

## ACKNOWLEDGEMENTS

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### MEMBERS

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### SPONSORS

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

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## Addendum I

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

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

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

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

The following example illustrates the changes :-

## September 2002

NEIC 01 18:45:41.7±1.7,21.70S×179.55W,h600km,mb4.6/6,  
Error ellipse: s-maj=75.5km s-min=25.7km az=151.0  
IDC 01 18:45:46.3±2.6,21.76S×179.70W,h627km,37km,mb3.5/4,  
mb1 3.7/4,mb1mx3.2/14, Error ellipse: s-maj=83.2km  
s-min=20.6km az=159.0  
ISC 01 18:45:43.1±2.7,22.3S±0.2×179.6W±0.3,h613km,42km,  
n22.±15/21,mb4.4/9,1C, South of Fiji Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
HBZ	Hicks Bay	15.41	186	eP	18 48 53.1	-1.7
URZ	Urewera	16.21	189	P	18 49 01.5	-0.9
MRZ	Mangatainoka R	18.81	192	eP	18 49 26.7	0.0
DIW	D'Urville Isla	19.30	195	eP	18 49 27.3	-3.9
CAW	Cannon Point	19.34	192	eP	18 49 31.7	+0.1
OTW	Orongorongo Tu	19.52	192	eP	18 49 33.0	-0.2
MCW	Moikau	19.61	192	eP	18 49 35.5	+1.5
THZ	Tophouse	20.46	196	eP	18 49 42.0	+0.2
KHZ	Kahutara	20.93	194	P	18 49 46.2	+0.2
ARMA	Armidale	27.03	246	eP	18 50 42.4	+2.3
CTA	Charters Tower	31.93	267	↑i/P	18 51 22.3	+0.4
STKA	Stephens Creek	35.75	246	eP	18 51 55.3	+1.8
ASAR	Alice Springs	42.74	259	P	18 52 50.1	+0.3
ASAR	Alice Springs	42.74	259	S	18 58 31.3	-0.1
ASPA	Alice Springs	42.74	259	eP	18 52 50.1	+0.2
WRA	Warramunga Arr	42.96	264	P	18 52 51.0	-0.7
WRA	Warramunga Arr	42.96	264	S	18 58 33.0	-1.5
KAKA	Kakadu	46.64	273	eP	18 53 18.2	-1.8
FITZ	Fitzroy Crossi	51.39	264	eP	18 53 54.3	-0.7
MBWA	Marble Bar	56.08	259	eP	18 54 27.1	-0.7
CMAR	Chiang Mai Arr	89.35	290	P	18 57 38.1	+1.0
ARCES	ARCESS Array B	130.36	349	PKP	19 03 43.7	-0.5
FINES	FINESS Array B	137.02	342	PKP	19 03 57.3	+0.5
MLR	Muntele Rosu	148.85	324	PKPbc	19 04 22.7	+5.2

## 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.



ISCJB 01 00:05:10.0.0.7, 11:47S; 04:75.62W; 0.06, h109km, 6km, mb4.7/64, Error ellipse: s-maj=10.0km s-min=5.5km az=149.4

NEIC 01 00:05:11.0.0.6, 11:47S; 75.57W, h103km, 5km, mb4.9/49, Error ellipse: s-maj=7.7km s-min=4.1km az=63.0

NEIC Feit (III) at Yauyos and (II) at Concepcion, IDC 01 00:05:12.8.0.4, 11:68S; 75.78W, h123km, 3km, mb4.2/17, mb1.4, 3/18, mb1mx4.3/22, mbtmp4.2/18, Error ellipse: s-maj=10.9km s-min=7.7km az=158.0

ISC 01 00:05:10.9.0.6, 11:48S; 04:75.57W; 0.05, h100km, 5km, h111km, 3.2km; p-P-P, 15.03, 65/81/141, mb4.7/64, 2C-1D,

Central Peru

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
NNA	Nana	1.35	248	P	Pn	00 05 35.4	+0.1
NNA	Nana	1.35	248	S	Pn	00 05 53.5	-0.3
NNA	Nana	16.0m, 0.3s, baz=206, slow=14, SNR=54					
NNA	Nana	1.35	248	Il/Pn		00 05 35.4	0.0
NNA	Nana			eSn		00 05 53.3	-0.5
NNA	Nana			S		00 05 53.5	-0.3
ATAH	Atahualpa	5.14	327	P	Pn	00 06 26.2	+0.7
ATAH	Atahualpa	108m, 0.3s, baz=180, slow=4, SNR=145					
ATAH	Atahualpa	5.14	327	P	Pn	00 06 26.2	+0.7
ATAH	Atahualpa			S		00 07 17.2	-6.5
ATAH	Atahualpa	33m, 0.3s, baz=139, slow=5, SNR=3.8					
ATAH	Atahualpa	5.14	327	P	Pn	00 06 26.2	+0.7
ATAH	Atahualpa			S		00 07 17.2	-6.5
LPZ	La Paz	8.66	124	ePn		00 07 14.9	+1.5
LPZ	La Paz	25m, 0.6s					
OTAV	Otavallo	11.98	346	ePn		00 08 48.7	-0.7
OTAV	Otavallo			S		00 07 59.4	+0.9
ROSC	El Rosal	16.27	4	P	Pn	00 10 09.2	+0.9
ROSC	El Rosal	1.2m, 0.3s, baz=163, slow=10, SNR=8.9					
ROSC	El Rosal	16.27	4	P	Pn	00 08 59.0	+5.3
ROSC	El Rosal			S		00 12 04.6	+4.2
ROSC	El Rosal	1.4m, 0.3s, baz=97, slow=18, SNR=1.8					
ROSC	El Rosal	16.27	4	P	Pn	00 08 52.9	-0.8
ROSC	El Rosal			S		00 12 04.6	+4.2
LCO	Las Campanas	18.03	166	eP	Pn	00 09 15.1	+0.1
LCO	Las Campanas	41m, 1.1s					
PAYG	Puerto Ayora	18.13	305	eP	Pn	00 09 16.0	-0.4
PAYG	Puerto Ayora	20.14	348	eP	Pn	00 09 48.6	+0.7
SDV	Santo Domingo	20.82	14	P	Pn	00 09 45.1	+0.6
SDV	Santo Domingo			S		00 13 31.1	-0.3
BCIP	Isla Barro Col	20.94	348	eP	Pn	00 09 45.8	-0.1
BCIP	Isla Barro Col	37m, 0.8s					
CFAA	Coronel Fontan	21.14	162	P	Pn	00 09 48.6	+0.7
CFAA	Coronel Fontan	2.0m, 0.7s, mb3.6, baz=339, slow=11, SNR=36					
CPUP	Coronel Fontan	21.14	162	P	Pn	00 09 48.6	+0.7
CPUP	Coronel Fontan	19m, 0.7s, mb4.5, baz=303, slow=10, SNR=58					
CPUP	Coronel Fontan	22.67	133	P	Pn	00 10 03.9	-0.3
CPUP	Coronel Fontan	19m, 0.7s, mb3.9, baz=143, slow=17, SNR=3.7					
JTS	JuntasAbangare	23.55	336	P	Pn	00 10 14.6	+2.2
JTS	JuntasAbangare	3.9m, 0.7s, mb3.9, baz=143, slow=17, SNR=3.7					
JTS	JuntasAbangare	23.55	336	P	Pn	00 10 14.6	+2.2
JTS	JuntasAbangare			S		00 10 44.5	+2.2
GRGR	Grenville	27.22	31	eP	Pn	00 10 44.5	-1.2
GRGR	Grenville	141m, 0.5s, mb5.8					
TGUH	Teguigalpa, Un	27.90	335	eP	Pn	00 10 52.4	+0.7
TGUH	Teguigalpa, Un	7.5m, 0.8s, mb4.4					
TROA	Torquiste	29.13	158	eP	Pn	00 11 01.2	-1.2
TROA	Torquiste	11m, 0.7s, mb4.8					
PLCA	Paso Flores	29.47	172	P	Pn	00 11 05.3	-0.1
PLCA	Paso Flores	3.0m, 0.9s, mb3.9, baz=325, slow=10, SNR=4.2					
PLCA	Paso Flores	29.47	172	P	Pn	00 11 05.3	-0.1
MTDJ	Mount Denham	29.58	356	eP	Pn	00 11 08.1	+1.5
MTDJ	Mount Denham	34m, 0.5s, mb5.2					
SJG	San Juan	30.84	18	P	Pn	00 11 17.9	+0.3
SJG	San Juan	18m, 0.6s, mb5.0, baz=170, slow=1.1, SNR=5.6					
SJG	San Juan	30.84	18	P	Pn	00 11 47.2	+7.1
SJG	San Juan	18m, 0.6s, baz=248, slow=7.4, SNR=2.8					
SJG	San Juan	21m, 0.6s, baz=223, slow=9.0, SNR=2.5					
SJG	San Juan	30.84	18	eP	Pn	00 11 17.8	+0.1
SJG	San Juan	70m, 1.4s, mb5.2					
SJG	San Juan			S		00 11 47.2	+7.1
SJG	San Juan			S		00 12 00.2	+8.6
SJG	San Juan			S		00 11 17.8	+0.1
SJG	San Juan			S		00 11 47.2	+7.1
SJG	San Juan			S		00 12 00.2	+8.6
CBYP	Canovanas	31.07	18	eP	Pn	00 11 19.7	0.0
CBYP	Canovanas	17m, 0.4s, mb5.2					
TEIG	Tepeich	33.90	338	eP	Pn	00 11 44.4	0.0
TEIG	Tepeich	17m, 0.4s, mb5.2					
RCBR	Riachuelo	39.59	85	P	Pn	00 12 33.3	+0.4
RCBR	Riachuelo	6.9m, 0.8s, mb4.5, baz=51, slow=22, SNR=2.1					
RCBR	Riachuelo	39.59	85	P	Pn	00 12 33.3	+0.4
RCBR	Riachuelo			S		00 12 33.3	+0.4
EFI	East Falkland	42.54	164	eP	Pn	00 12 56.0	-0.5
EFI	East Falkland	9.9m, 0.8s, mb4.6					
NHSC	New Hope	44.55	354	eP	Pn	00 13 12.2	-0.6
NHSC	New Hope			S		00 13 32.6	-3.8
CPCT	Cooper Cave	47.43	350	eP	Pn	00 13 33.0	-2.5
CPCT	Cooper Cave			S		00 13 55.4	-3.8
SWET	Sewanee	47.46	348	eP	Pn	00 13 34.5	-1.1
SWET	Sewanee			S		00 13 58.0	-1.4
PLAL	Pickwick Lake	47.70	346	eP	Pn	00 13 36.4	-1.2
PLAL	Pickwick Lake	13m, 0.8s, mb4.8					
PLAL	Pickwick Lake	47.70	346	eP	Pn	00 13 60.0	-1.3
PLAL	Pickwick Lake			S		00 13 41.8	-0.7
TZTN	Tazewell	48.35	351	eP	Pn	00 14 03.6	-2.7
TZTN	Tazewell			S		00 14 03.6	-2.7
UALR	University of Prospectdale	48.67	342	eP	Pn	00 14 03.6	-0.1
UALR	University of Prospectdale			S		00 14 03.6	-0.1
ELN	El Nido	48.69	354	eP	Pn	00 14 05.5	+0.4
ELN	El Nido			S		00 14 06.7	-2.3
WWT	Waverly	48.74	347	eP	Pn	00 14 03.6	-1.9
WWT	Waverly	238m, 3.0s					
WWT	Waverly	48.74	347	eP	Pn	00 14 06.3	-3.0
WWT	Waverly			S		00 14 06.3	-3.0
TXAR	Lajitas Array	48.80	327	P	Pn	00 14 15.9	+6.0
TXAR	Lajitas Array	2.0m, 0.5s, mb4.3, baz=154, slow=9.1, SNR=38					
TXAR	Lajitas Array	48.80	327	P	Pn	00 14 15.9	+6.0
TXAR	Lajitas Array			S		00 14 15.9	+6.0
MIAR	Mount Ida	48.86	340	eP	Pn	00 14 36.3	-0.1
MIAR	Mount Ida	19m, 0.5s, mb5.1					
WCI	Wyandotte Cave	50.45	349	eP	Pn	00 13 57.4	-1.1
WCI	Wyandotte Cave	47m, 0.6s, mb5.6					
WCI	Wyandotte Cave	50.45	349	eP	Pn	00 14 19.2	-3.3
WCI	Wyandotte Cave			S		00 13 58.1	-1.3
SIUC	Sierrita	50.58	346	eP	Pn	00 14 21.7	-1.7
SIUC	Sierrita	3.0m, 0.8s, mb4.3, baz=261, slow=9.2, SNR=18					
SIUC	Sierrita	50.58	346	eP	Pn	00 14 21.7	-1.7
SIUC	Sierrita			S		00 14 02.5	+0.1
WMOK	Wichita Mounta	50.96	335	eP	Pn	00 14 26.0	-2.5
WMOK	Wichita Mounta			S		00 14 35.3	-2.5
WMOK	Wichita Mounta	50.96	335	eP	Pn	00 15 17.4	+0.1
WMOK	Wichita Mounta			S		00 14 01.9	-1.6
FVM	French Village	51.13	345	eP	Pn	00 14 27.7	+0.1
FVM	French Village	36m, 0.7s, mb5.5					
FVM	French Village	51.13	345	eP	Pn	00 14 27.7	+0.1
FVM	French Village			S		00 14 03.4	-1.5
OLIL	Olney	51.30	347	eP	Pn	00 14 26.9	-2.0
OLIL	Olney			S		00 14 07.2	+0.3
MNTX	Cornudas Mount	51.56	327	eP	Pn	00 14 36.8	+5.7
MNTX	Cornudas Mount	4.7m, 1.1s, mb4.4					
MNTX	Cornudas Mount	51.56	327	eP	Pn	00 14 36.8	+5.7
MNTX	Cornudas Mount			S		00 14 28.4	-4.9
ALLY	Alegheny Colle	53.03	356	eP	Pn	00 14 16.6	-1.0
ALLY	Alegheny Colle			S		00 14 37.2	-4.6
HDIL	Hopedale	53.31	347	eP	Pn	00 14 18.2	-1.4
HDIL	Hopedale			S		00 14 20.4	0.0
BINY	Binghamton	53.41	360	eP	Pn	00 14 35.3	-6.2
BINY	Binghamton			S		00 14 23.8	-1.0
KSU1	Kansas State U	54.00	340	eP	Pn	00 14 28.6	+3.6
KSU1	Kansas State U			S		00 14 28.6	+3.6
LAZ	Ladron	54.59	328	eP	Pn	00 15 00.6	-0.4
LAZ	Ladron	3.7m, 1.3s, mb4.2					
LAZ	Ladron	54.59	328	eP	Pn	00 15 00.6	-0.4
LAZ	Ladron			S		00 14 29.2	-0.4
ANMO	Albuquerque	54.67	329	P	Pn	00 15 00.3	+6.4
ANMO	Albuquerque	1.0m, 0.5s, mb4.1, baz=56, slow=6.8, SNR=3.3					
ANMO	Albuquerque	54.67	329	P	Pn	00 15 00.3	+6.4
ANMO	Albuquerque			S		00 15 00.3	+6.4
TUC	Tucson	55.04	323	eP	Pn	00 14 32.8	+0.4
TUC	Tucson			S		00 14 36.1	-1.3
JFWS	Jewell Farm	55.77	347	eP	Pn	00 14 58.9	-2.9
JFWS	Jewell Farm			S		00 14 42.5	+0.3
SDCO	Great Sand Dun	56.43	332	eP	Pn	00 15 13.2	+6.6
SDCO	Great Sand Dun	37m, 1.8s, mb5.1					
SDCO	Great Sand Dun	56.43	332	eP	Pn	00 15 13.2	+6.6
SDCO	Great Sand Dun			S		00 14 52.3	+1.0
WUAZ	Wupatki	57.71	326	eP	Pn	00 14 53.7	-0.8
WUAZ	Wupatki	10.0m, 0.9s, mb4.8					
ECSD	EROS Data Cent	58.20	342	eP	Pn	00 15 17.6	-1.5
ECSD	EROS Data						



SOMM Songino Array 57.72 52 P P 01 08 59.3 -1.2
SONM Songino Array 57.72 52 P P 01 08 59.3 -1.2

WEL 01 01:00:21.0-0.3,36.59S~177.18E,h33km,ML4.4/9,Error ellipse: s-maj=2.6km s-min=2.3km az=0.0,Off east coast of North Island
Code Station Name A° AZ° Phase ID Time Res ISC

ISCJCB 01 01:06:07.5-0.4,39.43N-0.02-25.89E,0.04,h10km,Error ellipse: s-maj=4.4km s-min=3.0km az=168.2
THE 01 01:06:07.2,39.43N-25.89E,h6km,2km,ML2.1/4,Error ellipse: s-maj=2.1km s-min=0.3km az=156.0

SIGR SIGRI 0.22 186 P P 01 06 11.6 -1.0
SIGR SIGRI 0.22 186 P P 01 06 11.6 -1.0
PRK Paraskevi 0.35 122 P S 01 06 13.9 -1.0

BOZC Bozcaada 0.43 17 S S 01 06 21.4 -0.7
EZN Ezine 0.52 40 PG Sg 01 06 24.0 -1.0
EZN Ezine 0.52 40 PG Sg 01 06 24.0 -1.0

AYVA Ayvalik 0.63 101 P S 01 06 18.8 -1.5
AYVA Ayvalik 0.63 101 P S 01 06 18.8 -1.5
AYVA Ayvalik 0.63 101 P S 01 06 18.8 -1.5

PRK Paraskevi 0.35 122 P S 01 06 13.9 -1.0
PRK Paraskevi 0.35 122 P S 01 06 13.9 -1.0
PRK Paraskevi 0.35 122 P S 01 06 13.9 -1.0

BOZC Bozcaada 0.43 17 S S 01 06 21.4 -0.7
EZN Ezine 0.52 40 PG Sg 01 06 24.0 -1.0
EZN Ezine 0.52 40 PG Sg 01 06 24.0 -1.0

AYVA Ayvalik 0.63 101 P S 01 06 18.8 -1.5
AYVA Ayvalik 0.63 101 P S 01 06 18.8 -1.5
AYVA Ayvalik 0.63 101 P S 01 06 18.8 -1.5

PRK Paraskevi 0.35 122 P S 01 06 13.9 -1.0
PRK Paraskevi 0.35 122 P S 01 06 13.9 -1.0
PRK Paraskevi 0.35 122 P S 01 06 13.9 -1.0

BOZC Bozcaada 0.43 17 S S 01 06 21.4 -0.7
EZN Ezine 0.52 40 PG Sg 01 06 24.0 -1.0
EZN Ezine 0.52 40 PG Sg 01 06 24.0 -1.0

AYVA Ayvalik 0.63 101 P S 01 06 18.8 -1.5
AYVA Ayvalik 0.63 101 P S 01 06 18.8 -1.5
AYVA Ayvalik 0.63 101 P S 01 06 18.8 -1.5

PRK Paraskevi 0.34 126 P S 01 20 40.1 -0.1
PRK Paraskevi 0.34 126 P S 01 20 40.1 -0.1
PRK Paraskevi 0.34 126 P S 01 20 40.1 -0.1

BOZC Bozcaada 0.41 15 P S 01 20 45.4 +0.8
EZN Ezine 0.49 40 PG Sg 01 20 42.9 -0.3
EZN Ezine 0.49 40 PG Sg 01 20 42.9 -0.3

AYVA Ayvalik 0.62 103 P S 01 20 44.9 -0.6
AYVA Ayvalik 0.62 103 P S 01 20 44.9 -0.6
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AYVA Ayvalik 0.62 103 P S 01 20 44.9 -0.6
AYVA Ayvalik 0.62 103 P S 01 20 44.9 -0.6

BLCB Balçova 1.37 139 ePn Pn 01 27 23.1 +1.5
KRBB Karabiga-Canak 1.44 48 ePn Pn 01 27 27.2 +0.4
GONE Gonen-Balikesi 1.51 65 ePn Pn 01 27 29.2 +0.2

BLCB Balçova 1.37 139 ePn Pn 01 27 23.1 +1.5
KRBB Karabiga-Canak 1.44 48 ePn Pn 01 27 27.2 +0.4
GONE Gonen-Balikesi 1.51 65 ePn Pn 01 27 29.2 +0.2

BLCB Balçova 1.37 139 ePn Pn 01 27 23.1 +1.5
KRBB Karabiga-Canak 1.44 48 ePn Pn 01 27 27.2 +0.4
GONE Gonen-Balikesi 1.51 65 ePn Pn 01 27 29.2 +0.2

BLCB Balçova 1.37 139 ePn Pn 01 27 23.1 +1.5
KRBB Karabiga-Canak 1.44 48 ePn Pn 01 27 27.2 +0.4
GONE Gonen-Balikesi 1.51 65 ePn Pn 01 27 29.2 +0.2

BLCB Balçova 1.37 139 ePn Pn 01 27 23.1 +1.5
KRBB Karabiga-Canak 1.44 48 ePn Pn 01 27 27.2 +0.4
GONE Gonen-Balikesi 1.51 65 ePn Pn 01 27 29.2 +0.2

BLCB Balçova 1.37 139 ePn Pn 01 27 23.1 +1.5
KRBB Karabiga-Canak 1.44 48 ePn Pn 01 27 27.2 +0.4
GONE Gonen-Balikesi 1.51 65 ePn Pn 01 27 29.2 +0.2

BLCB Balçova 1.37 139 ePn Pn 01 27 23.1 +1.5
KRBB Karabiga-Canak 1.44 48 ePn Pn 01 27 27.2 +0.4
GONE Gonen-Balikesi 1.51 65 ePn Pn 01 27 29.2 +0.2

BLCB Balçova 1.37 139 ePn Pn 01 27 23.1 +1.5
KRBB Karabiga-Canak 1.44 48 ePn Pn 01 27 27.2 +0.4
GONE Gonen-Balikesi 1.51 65 ePn Pn 01 27 29.2 +0.2

BLCB Balçova 1.37 139 ePn Pn 01 27 23.1 +1.5
KRBB Karabiga-Canak 1.44 48 ePn Pn 01 27 27.2 +0.4
GONE Gonen-Balikesi 1.51 65 ePn Pn 01 27 29.2 +0.2

BLCB Balçova 1.37 139 ePn Pn 01 27 23.1 +1.5
KRBB Karabiga-Canak 1.44 48 ePn Pn 01 27 27.2 +0.4
GONE Gonen-Balikesi 1.51 65 ePn Pn 01 27 29.2 +0.2

BLCB Balçova 1.37 139 ePn Pn 01 27 23.1 +1.5
KRBB Karabiga-Canak 1.44 48 ePn Pn 01 27 27.2 +0.4
GONE Gonen-Balikesi 1.51 65 ePn Pn 01 27 29.2 +0.2

BLCB Balçova 1.37 139 ePn Pn 01 27 23.1 +1.5
KRBB Karabiga-Canak 1.44 48 ePn Pn 01 27 27.2 +0.4
GONE Gonen-Balikesi 1.51 65 ePn Pn 01 27 29.2 +0.2

ISCJCB 01 01:31:08.1,1.76N-121.81E,h10km,MLV4.0/6
DJA 01 01:31:15.8,9.0,0.06S:-121.49E,h0km,mb3.9/3

ISC 01 01:31:06.2-0.9,1.54N-0.07-121.64E,0.10,h10km,Res #1507/12,mb3.9/3,Minanassa Peninsula,Sulawesi

MRSI Marisa 1.10 164 P P 01 20 54.9 -1.4
GTOI Gorontalo 1.64 123 P P 01 20 53.4 -0.6
GTOI Gorontalo 1.64 123 P P 01 20 53.4 -0.6

WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6

WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6

WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6

WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6

WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6

WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6

WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6

WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6

WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6

ISCJCB 01 02:03:34.3+14.0,1.56N-127.52E,h149km,141km,mb3.6/5,mb1.3/7.5,mb1mx3.4/16,mbtmsp3.6/5,Error ellipse: s-maj=120.5km s-min=25.8km az=67.0, Halimahera

ISC 01 02:03:34.3+14.0,1.56N-127.52E,h149km,141km,mb3.6/5,mb1.3/7.5,mb1mx3.4/16,mbtmsp3.6/5,Error ellipse: s-maj=120.5km s-min=25.8km az=67.0, Halimahera

WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6

WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6

WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6

WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6

WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
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WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
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WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
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WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6
WRA Warramunga Arry 22.39 163 P P 01 20 53.4 -0.6

ISCJCB 01 02:08:08.5+1.3,51.44N-0.06-16.04E,0.06,h0km,Error ellipse: s-maj=9.4km s-min=3.8km az=25.9
WAR 01 02:08:09.6,51.52N-16.11E,ML2.2,Mining Induced PRU 01 02:08:10.4,51.45N-16.07E,h0km

ISC 01 02:08:09.6,51.52N-16.11E,ML2.2,Mining Induced PRU 01 02:08:10.4,51.45N-16.07E,h0km
CSEM 01 02:08:10.2,0.1,51.41N-16.03E,h2km,ML3.0/4,Error ellipse: s-maj=16.4km s-min=7.3km az=19.0

ISC 01 02:08:09.1,3.5149N-0.06-16.09E,0.06,h0km,m22, #0594/39,Poland

KSP Ksiadz 0.66 169 ePn Pn 02 08 22.1 +0.5
KSP Ksiadz 0.66 169 ePn Pn 02 08 22.1 +0.5
KSP Ksiadz 0.66 169 ePn Pn 02 08 22.1 +0.5

KSP Ksiadz 0.66 169 ePn Pn 02 08 22.1 +0.5
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KSP Ksiadz 0.66 169 ePn Pn 02 08 22.1 +0.5
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KSP Ksiadz 0.66 169 ePn Pn 02 08 22.1 +0.5
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KSP Ksiadz 0.66 169 ePn Pn 02 08 22.1 +0.5
KSP Ksiadz 0.66 169 ePn Pn 02 08 22.1 +0.5
KSP Ksiadz 0.66 169 ePn Pn 02 08 22.1 +0.5

ISCJCB 01 21:20:30.9,39.43N-25.75E,h28km,Md2.8
ISCJCB 01 01:20:33.2,0.5,39.45N-0.02-25.91E,0.04,h3km,4km,Error ellipse: s-maj=5.0km s-min=3.3km az=176.5

ISC 01 21:20:33.2,0.5,39.45N-0.02-25.91E,0.04,h3km,4km,Error ellipse: s-maj=5.0km s-min=3.3km az=176.5
THE 01 01:20:33.4,39.43N-25.89E,h7km,2km,ML2.1/4,Error ellipse: s-maj=2.1km s-min=0.3km az=162.0

ISC 01 01:20:33.4,0.2,39.45N-25.91E,h2km,ML2.1/4,Error ellipse: s-maj=4.0km s-min=2.8km az=84.0

ISC 01 01:20:33.5,39.48N-25.92E,h6km,Md2.9
CSEM 01 01:20:33.6,0.5,39.45N-0.02-25.91E,0.04,h3km,4km,n86, #0568/108,Aegean Sea

SIGR SIGRI 0.24 191 P P 01 20 37.8 -0.4
SIGR SIGRI 0.24 191 P P 01 20 37.8 -0.4
SIGR SIGRI 0.24 191 P P 01 20 37.8 -0.4

SIGR SIGRI 0.24 191 P P 01 20 37.8 -0.4
SIGR SIGRI 0.24 191 P P 01 20 37.8 -0.4
SIGR SIGRI 0.24 191 P P 01 20 37.8 -0.4

SIGR SIGRI 0.24 191 P P 01 20 37.8 -0.4
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SIGR SIGRI 0.24 191 P P 01 20 37.8 -0.4
SIGR SIGRI 0.24 191 P P 01 20 37.8 -0.4

SIGR SIGRI 0.24 191 P P 01 20 37.8 -0.4
SIGR SIGRI 0.24 191 P P 01 20 37.8 -0.4
SIGR SIGRI 0.24 191 P P 01 20 37.8 -0.4



NJ2	comp-Z,10.0nm,0.8s	pmax	pmax							
YHNB	<b>Yeheng</b>	<b>22.16 244</b>	P	P	03 51 56.8	-3.1				
HHC	<b>Hu-ho-hao-te</b>	<b>25.07 290</b>	eP	P	03 52 29.1	+0.8				
HHC			pP	pP	03 52 58.9	+4.0				
HHC			sP	sP	03 52 42.4	+4.7				
HHC			PP	PP	03 53 06.3					
HHC			S	S	03 56 49.5	-1.9				
HHC	comp-Z,5.2nm,2.6s,mb4.8		pmax	pmax						
HHC	comp-Z,12nm,0.4s,mb4.8		pmax	pmax						
HHC	comp-N,100nm,8.3s		LR	LR						
HHC	comp-E,140nm,7.7s		LR	LR						
HHC	comp-Z,170nm,8.9s		LR	LR						
YAK	<b>Yakutsk</b>	<b>26.98 346</b>	iP	pmax	03 52 45.1	-0.2				
YAK			pmax	pmax						
XAN	<b>Xi'an</b>	<b>28.07 275</b>	P	pP	03 53 02.6	+7.2				
XAN			pP	pP	03 53 12.5	+10				
XAN	comp-Z,2.0nm,1.2s,mb3.6		pmax	pmax						
XAN	comp-Z,2.1nm,5.9s		pmax	pmax						
ULN	<b>Ulaanbaatar</b>	<b>28.91 305</b>	eP	P	03 53 03.3	+0.5				
ULN	comp-Z,5.2nm,2.6s,mb4.8		eP	P	03 53 03.3	+0.5				
ULN	<b>Ulaanbaatar</b>	<b>28.91 305</b>	eP	pmax	03 53 03.3	+0.5				
SOMN	<b>Songino Array</b>	<b>29.34 304</b>	P	P	03 53 08.5	+1.9				
SOMN	comp-Z,2.6nm,0.8s,mb4.0,baz=103,slow=7.8,SNR=20		PcP	PcP	03 56 12.8	+0.3				
SOMN	comp-Z,0.8nm,0.6s,baz=139,slow=2.6,SNR=8.1		pP	pP	03 56 25.5					
SOMN	comp-Z,0.6nm,0.4s,baz=118,slow=2.2,SNR=8.1		PcP	PcP	03 53 08.5	+1.9				
SOMN	<b>Songino Array</b>	<b>29.34 304</b>	PcP	PcP	03 56 12.8	+0.3				
SOMN	comp-Z,3.0nm,0.8s		pmax	pmax						
SOMN	comp-Z,1.0nm,0.6s		pmax	pmax						
SOMN	comp-Z,1.0nm,0.4s		pmax	pmax						
LZH	<b>Lanzhou</b>	<b>31.64 281</b>	eP	pP	03 53 31.0	+4.0				
LZH			pP	pP	03 53 42.0	+8.3				
LZH			sP	sP	03 53 45.8	+9.4				
LZH	comp-Z,1.3nm,1.0s,mb4.9		pmax	pmax						
ZAK	<b>Zakamensk</b>	<b>31.80 309</b>	eP	P	03 53 29.4	+1.2				
ZAK			pmax	pmax						
CD2	comp-Z,3.0nm,1.3s,mb3.0		eP	P	03 53 41.8	+1.3				
CD2	<b>Chengdu</b>	<b>33.17 272</b>	eP	pP	03 53 51.4	+4.2				
CD2			pP	pP	03 53 55.8	+5.8				
CD2			PP	PP	03 54 55.4	-0.2				
CD2			S	S	03 58 58.3	-0.6				
CD2	comp-Z,10.0nm,0.8s,mb4.8		pmax	pmax						
CD2	comp-Z,30nm,5.2s		pmax	pmax						
CD2	comp-N,190nm,13.2s,MS4.1		LR	LR						
CD2	comp-E,170nm,14.4s,MS4.1		LR	LR						
CD2	comp-Z,210nm,16.8s,MS3.9		LR	LR						
GTA	<b>Gaotai</b>	<b>34.18 288</b>	eP	pP	03 53 50.7	+1.7				
GTA			pP	pP	03 53 55.4	+0.3				
GTA			sP	sP	03 53 58.7	+0.2				
GTA	comp-Z,5.0nm,0.9s,mb4.4		pmax	pmax						
KMI	<b>Kunming</b>	<b>36.36 263</b>	P	pP	03 54 10.6	+2.5				
KMI			pP	pP	03 54 19.8	+4.9				
KMI			sP	sP	03 54 24.5	+6.9				
KMI			S	S	03 59 48.9	+0.8				
KMI			sS	sS	04 00 06.3	+7.0				
KMI	comp-Z,8.0nm,0.8s,mb4.7		pmax	pmax						
KMI	comp-Z,1.00nm,4.1s		pmax	pmax						
KMI	comp-N,130nm,16.2s,MS4.0		LR	LR						
KMI	comp-E,130nm,15.1s,MS4.0		LR	LR						
KMI	comp-Z,120nm,13.3s,MS3.9		LR	LR						
WMQ	<b>Urumqi</b>	<b>42.43 298</b>	P	pP	03 55 00.5	+2.0				
WMQ			pP	pP	03 55 10.3	+5.0				
WMQ			sP	sP	03 55 14.3	+6.2				
WMQ			PP	PP	03 56 42.0	+5.2				
WMQ			S	S	04 01 20.2	+1.3				
WMQ	comp-Z,8.0nm,0.6s,mb4.5		pmax	pmax						
WMQ	comp-Z,210nm,5.0s		pmax	pmax						
WMQ	comp-N,85nm,22.0s,MS3.6		LR	LR						
WMQ	comp-E,35nm,20.0s,MS3.6		LR	LR						
ZAAO	<b>Zalesovo Array</b>	<b>43.40 313</b>	eP	P	03 55 07.0	+0.8				
ZALV	<b>Zalesovo Beam</b>	<b>43.40 313</b>	P	P	03 55 07.1	+0.8				
ZALV	comp-E,8.4nm,0.6s,mb4.5,baz=89,slow=7.6,SNR=26		PcP	PcP	03 56 54.0	-0.3				
ZALV	comp-Z,4.2nm,0.8s,baz=95,slow=8.8,SNR=7.3		pP	pP	03 57 06.5					
ZALV	comp-E,3.1nm,0.7s,baz=77,slow=8.8,SNR=5.8		LR	LR	04 15 46.4					
ZALV	comp-E,28nm,21.1s,MS3.1,baz=72,slow=40		PcP	PcP	03 55 07.1	+0.8				
ZALV	<b>Zalesovo Beam</b>	<b>43.40 313</b>	P	pP	03 57 06.5					
ZALV			pP	pP	03 55 07.1	+0.8				
ZALV			P	P	03 56 54.0					
ZALV	comp-Z,6.0nm,0.6s,mb4.5		pmax	pmax						
ZALV	comp-Z,4.0nm,0.8s,mb4.2		pmax	pmax						
ZALV	comp-Z,3.0nm,0.7s,mb4.1		MLR	MLR						
ZALV	comp-Z,28nm,21.1s,MS3.1		MLR	MLR						
NVS	<b>Novosibirsk</b>	<b>44.31 314</b>	eP	P	03 55 13.1	-0.5				
NVS	comp-Z,13nm,1.5s,mb4.4		pmax	pmax						
NVS	comp-N,4.0nm,0.7s		pmax	pmax						
MK31	<b>Makanchi Array</b>	<b>45.69 303</b>	P	P	03 55 25.1	+0.5				
MK31	<b>Makanchi Array</b>	<b>45.69 303</b>	iP	pmax	03 55 23.7	-0.9				
MK31			pmax	pmax						
MKAR	<b>Makanchi Array</b>	<b>45.69 303</b>	P	P	03 55 25.5	+0.9				
MKAR	comp-Z,1.6nm,0.8s,mb4.0,baz=89,slow=10,SNR=13		P	P	03 55 25.5	+0.9				
MKAR	<b>Makanchi Array</b>	<b>45.69 303</b>	P	pmax	03 55 25.5	+0.9				
MKAR			pmax	pmax						
KDAK	<b>Kodiak Island</b>	<b>46.54 42</b>	P	P	03 55 30.6	-0.6				
KDAK	comp-Z,18nm,0.7s,mb5.1,baz=304,slow=6.4,SNR=11		pP	pP	03 55 30.6	-0.6				
KDAK	<b>Kodiak Island</b>	<b>46.54 42</b>	P	pP	03 55 30.6	-0.6				
KDAK			pP	pP	03 55 30.6	-0.6				
KURK	<b>Kurchatov</b>	<b>47.46 309</b>	eP	P	03 55 38.7	+0.3				
KURK	comp-Z,1.7nm,0.9s,mb5.0		eP	P	03 55 38.7	+0.3				
KURK	<b>Kurchatov</b>	<b>47.46 309</b>	eP	pmax	03 55 38.7	+0.3				
KURK			pmax	pmax						
ILAR	<b>Eielson Array</b>	<b>49.19 32</b>	P	P	03 55 50.8	-0.8				
ILAR	comp-Z,17nm,0.9s,mb5.0		P	P	03 55 50.8	-0.8				
ILAR	<b>Eielson Array</b>	<b>49.19 32</b>	P	P	03 55 50.8	-0.8				
ILAR	comp-Z,2.8nm,0.7s,mb4.4,baz=258,slow=6.2,SNR=34		P	P	03 55 50.8	-0.8				
ILAR	<b>Eielson Array</b>	<b>49.19 32</b>	P	pmax	03 55 50.8	-0.8				
ILAR			pmax	pmax						
COEN	<b>Coen</b>	<b>50.14 180</b>	eP	P	03 55 58.9	-0.4				
COEN	comp-Z,29nm,0.8s,mb4.2		eP	P	03 55 58.9	-0.4				
TKM2	<b>Tokmak 2</b>	<b>51.21 299</b>	eP	P	03 56 08.0	+0.8				
TKM2	comp-Z,6.2nm,1.1s,mb4.5		eP	P	03 56 08.0	+0.8				
TKM2	<b>Tokmak 2</b>	<b>51.21 299</b>	eP	P	03 56 08.0	+0.8				
TKM2			pmax	pmax						

52.00 295	eP	P	03 56 18.1	+4.9						
KSH		pP	03 56 28.1	+8.0						
KSH		sP	03 56 31.8	+9.0						
KSH		PcP	03 57 28.6	+3.3						
KSH		pP	03 58 18.9	+7.7						
KSH		ScP	04 01 21.4	+0.5						
KSH		PcS	04 01 25.3	+1.9						
KSH		S	04 03 40.8	+5.5						
KSH		sS	04 03 56.8	+10						
KSH		ScS	04 06 03.5	+1.7						
KSH		SS	04 07 16.4	+4.3						
KSH	comp-Z,4.0nm,1.0s,mb4.3		pmax	pmax						
KSH	comp-Z,160nm,7.5s		LR	LR						
KSH	comp-N,140nm,10.1s		LR	LR						
KSH	comp-E,130nm,5.2s		LR	LR						
BRVK	<b>Borovyoe</b>	<b>52.12 313</b>	eP	P	03 56 14.6	+0.8				
BRVK	comp-Z,130nm,4.4s		eP	P	03 56 14.6	+0.8				
BRVK	<b>Borovyoe</b>	<b>52.12 313</b>	eP	pmax	03 56 14.6	+0.8				
BRVK			pmax	pmax						
INK	comp-Z,8.0nm,1.0s,mb4.6		P	P	03 56 29.0	-0.1				
INK	<b>Inuvik</b>	<b>54.23 27</b>	P	pP	03 56 41.0	+4.9				
INK	comp-Z,3.7nm,0.6s,mb4.5,baz=294,slow=6.2,SNR=44		pP	pP	03 56 41.0	+4.9				
INK	comp-Z,1.7nm,0.5s,baz=308,slow=6.7,SNR=3.8		pP	pP	03 56 29.1	0.0				
INK	<b>Inuvik</b>	<b>54.23 27</b>	P	pP	03 56 29.1	0.0				
INK	comp-Z,2.2nm,0.5s,mb4.3		pP	pP	03 56 41.0	+4.9				
INK			*pP	*pP	03 56 29.1	0.0				
INK			pP	pP	03 56 41.0	+4.9				
INK			pmax	pmax						
KKAR	comp-Z,2.0nm,0.5s		P	P	03 56 33.2	+0.3				
KKAR	<b>Karatay Array</b>	<b>54.70 301</b>	eP	P	03 56 33.2	+0.2				
KKAR	comp-Z,0.5nm,0.4s,mb3.9		eP	P	03 56 33.2	+0.2				
KKAR	<b>Karatay Array</b>	<b>54.70 301</b>	eP	pmax	03 56 33.2	+0.2				
KKAR			pmax	pmax						
SVE	comp-Z,1.0nm,0.4s,mb4.2		eP	P	03 56 47.2	+1.1				
SVE	<b>Sverdllovsk</b>	<b>56.56 319</b>	eP	pmax	03 56 47.2	+1.1				
SVE			pmax	pmax						
WRAB	<b>Tennant Creek</b>	<b>56.71 190</b>	eP	P	03 56 46.2	-1.2				
WRAB	comp-Z,1.3nm,0.6s,mb5.1		eP	P	03 56 46.2	-1.2				
WRAB	<b>Tennant Creek</b>	<b>56.71 190</b>	eP	pP	03 56 46.3	-1.2				
WRAB	comp-Z,1.0nm,0.8s,mb4.9		eP	pP	03 56 46.3	-1.2				
WRAB			e	e	03 56 58.9					
WRAB			S	S	03 56 46.3	-1.2				
WRAB			eP	eP	03 56 58.9					











Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KMKR Kumukh, KMSR Komsomolskaya, ARNR Ardon, etc.

NEIC 01 08:53:45.1±0.8,9.67S:125.06E,h10km,Error ellipse: s-maj=32.7km s-min=10.3km az=61.0

ISCJB 01 08:53:51.9±2.4,10.15S:0.1x125.05E:0.1,h101km,28km,mb3.5/2,Error ellipse: s-maj=26.4km s-min=11.4km

IDC 01 08:53:56.6±8.3,10.33S:124.75E,h136km,101km,mb3.1/2,mb1.3/4,mb1mx3.3/16,mbtmp3.3/5,ML3.9/3,MS2.9/1,Ms1.2/9.1,ms1mx2.3/8,Error ellipse: s-maj=69.1km s-min=43.9km az=25.0

ISC 01 08:53:54.3±3.6,10.15S:0.2x125.1E:0.1,h106km,44km,n13,r1516/21,mb3.5/2,Timor Sea

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

IDC 01 08:59:56.6±3.4,2.40S:99.27E,h0km,mb3.7/6,mb1.3/6,mb1mx3.6/22,mbtmp3.7/6,Error ellipse: s-maj=148.8km s-min=20.7km az=55.0

ISCJB 01 08:59:59.3±2.2,3S:0.1x99.3E:0.2,h35km,26km,mb3.8/6,Error ellipse: s-maj=28.8km s-min=19.1km

DJA 01 09:00:01.175S:99.04E,h12km,MLV3.8/3,ISC 01 08:59:59.7±5.0,2.27S:0.09N,99.94E:0.1,h17km,32km,n10,r0559/11,mb3.8/6,Southern Sumatra

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PDSI Padang, KRJI Kerinci, PPI Padang Panjang, etc.

CSEM 01 09:04:02.5,36.29N:22.01E,h26km,MD3.4,After ATH THE 01 09:04:03.8,36.36N:22.04E,h6km,13km,ML2.3/2,Error ellipse: s-maj=13.3km s-min=0.6km az=148.0

ATH 01 09:04:02.7,36.30N:22.02E,h29km,16km,MD3.4/6,Southern Greece

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PYL PYLOS, KYTH Kithira, VLI Velia, etc.

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

IDC 01 09:23:54.0±0.9,27.94N:85.02E,h0km,mb3.7/8,mb1.3/8,9,mb1mx3.6/26,mbtmp3.7/9,ML3.6/1,Error ellipse: s-maj=33.6km s-min=18.4km az=62.0

NEIC 01 09:23:55.0±0.6,27.97N:85.10E,h10km,Error ellipse: s-maj=14.6km s-min=8.6km az=48.0

DMN 01 09:24:00.0±0.3,28.18N:85.29E,h10km,ML5.0/7,Error ellipse: s-maj=9.9km s-min=3.1km az=11.0

ISC 01 09:24:00.0±0.2,28.16N:0.05-85.33E:0.03,h31km,5km,n34,r1506/44,mb3.6/6,Nepal

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KKN Kakani, GUN Gumba, DMN Daman, etc.

CASC 01 09:29:38.9±2.7,13.31N:88.91W,h70km,17km,MD3.7,ML3.5,EI Salvador

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SNVI San Vicente, BOQS Boqueron, etc.

DDA 01 09:32:25.8,38.76N:26.20E,h5km,6km,MD2.8,ATH 01 09:32:26.5,38.74N:26.25E,h2km,1km,MD3.3/5

ISC 01 09:32:26.3,38.75N:26.27E,h12km,MD3.1,Error ellipse: s-maj=5.2km s-min=3.4km az=170.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CHOS Chios island, FUG Fuego 3, etc.

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

ISC 01 09:57:04.4,40.11N:20.93E,h32km,MD3.4,After ATH ATH 01 09:57:04.6,40.10N:20.93E,h32km,7km,MD3.4/3,Greece-Albania border region

CSEM 01 09:57:04.4,40.11N:20.93E,h32km,MD3.4,After ATH ATH 01 09:57:04.6,40.10N:20.93E,h32km,7km,MD3.4/3,Greece-Albania border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JAN Janina, BIA Bitola, THL Klokotos Trika, etc.

DDA 01 10:11:02.2,36.98N:31.70E,h4km,7km,MD3.2,ISCJB 01 10:11:13.8,0.8,36.92N:0.06,31.38E:0.04,h24km,11km,Error ellipse: s-maj=10.5km s-min=5.8km az=0.4

CSEM 01 10:11:13.8,36.94N:31.32E,h16km,MD2.9,After ISK ISK 01 10:11:13.8,36.94N:31.32E,h16km,MD2.9

ISC 01 10:11:13.1±1.1,36.92N:0.05-31.37E:0.04,h13km,8km,n13,r1504/24,Turkey

DDA 01 10:18:31.4,35.46N:45.44E,h10km,mb5.0/20,mb4.6/34,MS5.0/15,MS7.4/3/17,SZGRF 01 10:18:34.6,34.25N:45.35E,h33km,mb5.1,Iran-Iraq border region

ISCJB 01 10:18:36.0±0.1,35.27N:0.02-46.11E:0.02,h15km,mb4.8/143,MS3.8/27,Error ellipse: s-maj=2.6km s-min=1.8km az=32.7

CSEM 01 10:18:38.0±0.1,35.33N:46.18E,h10km,mb4.9/37,MS3.5,MSy 10:18:38.2,35.90N:46.11E,h79km

SGS 01 10:18:38.2,35.90N:46.11E,h79km,TEH 01 10:18:38.2,35.94N:46.25E,h4km

IDC 01 10:18:39.4±2.7,35.46N:46.13E,h20km,16km,mb4.5/25,mb1.4/6/32,ms1mx3.5/39,mbtmp4.5/32,ML4.3/6,MS3.7/20,MS1.3/7/20,ms1mx3.5/39,Error ellipse: s-maj=13.8km s-min=9.9km az=159.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KORT Korkueli, HDMB Hadim, GAZI Gazipasa, etc.



KIEV	Kiev	19.66 327	eP	Pn	10 23 05.9	-2.3
KIEV	Kiev	19.66 327	eP	Pn	10 23 05.9	-2.3
KIEV	Kiev	19.66 327	eP	Pn	10 23 05.9	-2.3
LOT	Lotru	19.75 308	iP	Pn	10 23 09.6	+0.3
PYL	PYL0S	19.75 282	ePN	Pn	10 23 07.0	-2.4
BURAR	Bucovina Array	19.84 315	iP	Pn	10 23 09.1	-1.2
BUR08	Bucovina Ar. S	19.86 315	eP	Pn	10 23 09.1	-1.6
BUR08	Bucovina Ar. S	19.86 315	eP	Pn	10 23 09.1	-1.5
RLS	Riolos of Patr	19.95 285	ePN	Pn	10 23 10.5	-1.2
BIA	Bitola	20.28 294	eP	P	10 23 14.0	+0.4
SKO	Skopje	20.35 296	eP	P	10 23 21.1	+6.7
GZR	Gura Zlata	20.37 307	iP	P	10 23 15.3	+0.6
KRUS	Krusevo	20.39 295	iP	P	10 23 14.7	-0.1
KK31	Karatay Array	20.39 60	P	P	10 23 15.8	+1.0
KK31	Karatay Array	20.39 60	P	P	10 23 15.8	+1.0
KKAR	Karatay Array	20.39 60	eP	P	10 23 16.0	+1.2
KKAR	Karatay Array	20.39 60	eP	P	10 23 16.0	+1.2
KKAR	Karatay Array	20.39 60	eP	P	10 23 16.0	+1.2
DEV	Deva	20.48 307	iP	P	10 23 13.3	+0.4
VLS	Valsamata	20.64 285	ePN	P	10 23 16.3	-1.2
OBN	Obninsk	20.88 344	P	P	10 23 18.7	-1.2
OBN	Obninsk	20.88 344	iP	P	10 23 18.5	-1.4
OBN	Obninsk	20.88 344	iP	P	10 27 03.0	-9.0
OBN	Obninsk	20.88 344	eP	P	10 23 18.5	-1.4
OBN	Obninsk	20.88 344	eP	P	10 23 18.5	-1.4
BMR	Baia Mare	20.88 313	P	P	10 23 20.8	+0.8
BMR	Baia Mare	20.88 313	P	P	10 23 20.8	+0.8
DRGR	DRGR	20.96 310	iP	P	10 23 21.9	+0.9
DRGR	DRGR	20.96 310	iP	P	10 23 21.9	+0.9
BZS	Buzias	21.22 306	iP	P	10 23 24.8	+1.1
BZS	Buzias	21.22 306	iP	P	10 23 24.8	+1.1
BZS	Buzias	21.22 306	iP	P	10 23 24.8	+1.1
TIR	Tirane	21.41 294	eP	P	10 23 26.7	+0.8
TIR	Tirane	21.41 294	eP	P	10 23 26.7	+0.8
TIR	Tirane	21.41 294	eP	P	10 23 26.7	+0.8
TRPA	Tarpa	21.56 313	iP	P	10 23 29.0	+0.5
TRPA	Tarpa	21.56 313	iP	P	10 23 29.0	+0.5
LVV	L'vov	21.68 319	eP	P	10 23 28.6	0.0
LVV	L'vov	21.68 319	eP	P	10 23 28.6	0.0
UZH	Uzhgorod	22.04 314	eP	P	10 23 30.3	-2.2
UZH	Uzhgorod	22.04 314	eP	P	10 23 30.3	-2.2
KOLS	Kolonické sedl	22.20 315	eP	P	10 23 35.4	+1.2
KOLS	Kolonické sedl	22.20 315	eP	P	10 23 35.4	+1.2
KWP	Kalwaria Pacla	22.30 317	eP	P	10 23 35.5	+0.2
KWP	Kalwaria Pacla	22.30 317	iP	P	10 23 35.5	+0.2
KWP	Kalwaria Pacla	22.30 317	iP	P	10 23 35.5	+0.2
KWP	Kalwaria Pacla	22.30 317	iP	P	10 23 35.5	+0.2
NIL	Nilore	22.41 86	eP	P	10 23 40.9	+4.3
NIL	Nilore	22.41 86	eP	P	10 23 40.9	+4.3
NIL	Nilore	22.41 86	eP	P	10 23 40.9	+4.3
EKS2	Erkin-Say	22.65 63	eP	P	10 23 41.0	+2.0
EKS2	Erkin-Say	22.65 63	eP	P	10 23 41.1	+2.0
CRVS	Cervenica-Dubn	22.66 314	eP	P	10 23 40.9	+1.9
CRVS	Cervenica-Dubn	22.66 314	eP	P	10 23 40.9	+1.9
CRVS	Cervenica-Dubn	22.66 314	eP	P	10 23 40.9	+1.9
ARU	Arti	22.76 18	iP	P	10 23 39.0	-1.1
ARU	Arti	22.76 18	iP	P	10 23 39.4	-0.7
ARU	Arti	22.76 18	iP	P	10 24 09.6	-6.7
ARU	Arti	22.76 18	iP	P	10 23 39.4	-0.7
MICGM	Minsk	23.00 332	eP	P	10 23 38.0	-4.7
MNK	Minsk	23.02 332	eP	P	10 23 38.0	-4.8
STHS	Stebnicka Huta	23.02 315	eP	P	10 23 45.2	+2.3
STHS	Stebnicka Huta	23.02 315	eP	P	10 23 45.2	+2.3
STHS	Stebnicka Huta	23.02 315	eP	P	10 23 45.2	+2.3
KECS	Kecevo	23.05 313	eP	P	10 23 45.4	+2.2
KECS	Kecevo	23.05 313	eP	P	10 23 45.4	+2.2
AAK	Ala-Archa	23.17 63	eP	P	10 23 44.6	0.0
AAK	Ala-Archa	23.17 63	eP	P	10 23 44.6	0.0
AAK	Ala-Archa	23.17 63	eP	P	10 23 44.6	0.0
AAK	Ala-Archa	23.17 63	eP	P	10 23 44.6	0.0
PSZ	Piszkesteto	23.17 311	iP	P	10 23 44.3	-0.2
PSZ	Piszkesteto	23.17 311	iP	P	10 23 44.3	-0.2
PSZ	Piszkesteto	23.17 311	iP	P	10 23 44.3	-0.2
PSZ	Piszkesteto	23.17 311	iP	P	10 23 44.3	-0.2
PKSM	Moragy	23.37 306	iP	P	10 23 46.3	-0.4
PKSM	Moragy	23.37 306	iP	P	10 23 46.3	-0.4
PKSM	Moragy	23.37 306	iP	P	10 23 46.3	-0.4
RHK3	Tenkas	23.54 305	iP	P	10 23 48.2	+0.1
BUD	Budapest	23.55 309	ePP	P	10 23 49.3	+0.8
BUD	Budapest	23.55 309	eP	P	10 23 49.3	+0.8
SVE	Sverdlouvs	23.66 20	iP	P	10 23 50.3	+0.9
SVE	Sverdlouvs	23.66 20	iP	P	10 23 50.3	+0.9
NACGM	Naroch	23.73 332	e	P	10 23 47.0	-3.0
ATD	Arta Tunnel	23.86 188	LR	LR	10 23 04.5	0.0
TKM2	Tokmak 2	24.02 63	eP	P	10 23 54.1	+1.4
TKM2	Tokmak 2	24.02 63	eP	P	10 23 54.1	+1.4
KSH	Kashi	24.03 71	P	P	10 23 51.6	-1.3
KSH	Kashi	24.03 71	P	P	10 23 56.2	0.0
KSH	Kashi	24.03 71	P	P	10 23 59.0	-0.8
KSH	Kashi	24.03 71	P	P	10 24 25.4	-5.6
KSH	Kashi	24.03 71	P	P	10 23 51.6	-1.3
KSH	Kashi	24.03 71	P	P	10 23 56.2	0.0
KSH	Kashi	24.03 71	P	P	10 23 59.0	-0.8
KSH	Kashi	24.03 71	P	P	10 24 25.4	-5.6
KSH	Kashi	24.03 71	P	P	10 23 51.6	-1.3
KSH	Kashi	24.03 71	P	P	10 23 56.2	0.0
KSH	Kashi	24.03 71	P	P	10 23 59.0	-0.8
KSH	Kashi	24.03 71	P	P	10 24 25.4	-5.6
KSH	Kashi	24.03 71	P	P	10 23 51.6	-1.3
KSH	Kashi	24.03 71	P	P	10 23 56.2	0.0
KSH	Kashi	24.03 71	P	P	10 23 59.0	-0.8
KSH	Kashi	24.03 71	P	P	10 24 25.4	-5.6
KSH	Kashi	24.03 71	P	P	10 23 51.6	-1.3
KSH	Kashi	24.03 71	P	P	10 23 56.2	0.0
KSH	Kashi	24.03 71	P	P	10 23 59.0	-0.8
KSH	Kashi	24.03 71	P	P	10 24 25.4	-5.6
KSH	Kashi	24.03 71	P	P	10 23 51.6	-1.3
KSH	Kashi	24.03 71	P	P	10 23 56.2	0.0
KSH	Kashi	24.03 71	P	P	10 23 59.0	-0.8
KSH	Kashi	24.03 71	P	P	10 24 25.4	-5.6
KSH	Kashi	24.03 71	P	P	10 23 51.6	-1.3
KSH	Kashi	24.03 71	P	P	10 23 56.2	0.0
KSH	Kashi	24.03 71	P	P	10 23 59.0	-0.8
KSH	Kashi	24.03 71	P	P	10 24 25.4	-5.6
KSH	Kashi	24.03 71	P	P	10 23 51.6	-1.3
KSH	Kashi	24.03 71	P	P	10 23 56.2	0.0
KSH	Kashi	24.03 71	P	P	10 23 59.0	-0.8
KSH	Kashi	24.03 71	P	P	10 24 25.4	-5.6
KSH	Kashi	24.03 71	P	P	10 23 51.6	-1.3
KSH	Kashi	24.03 71	P	P	10 23 56.2	0.0
KSH	Kashi	24.03 71	P	P	10 23 59.0	-0.8
KSH	Kashi	24.03 71	P	P	10 24 25.4	-5.6
KSH	Kashi	24.03 71	P	P	10 23 51.6	-1.3
KSH	Kashi	24.03 71	P	P	10 23 56.2	0.0
KSH	Kashi	24.03 71	P	P	10 23 59.0	-0.8
KSH	Kashi	24.03 71	P	P	10 24 25.4	-5.6
KSH	Kashi	24.03 71	P	P	10 23 51.6	-1.3
KSH	Kashi	24.03 71	P	P	10 23 56.2	0.0
KSH	Kashi	24.03 71	P	P	10 23 59.0	-0.8
KSH	Kashi	24.03 71	P	P	10 24 25.4	-5.6
KSH	Kashi	24.03 71	P	P	10 23 51.6	-1.3
KSH	Kashi	24.03 71	P	P	10 23 56.2	0.0
KSH	Kashi	24.03 71	P	P	10 23 59.0	-0.8
KSH	Kashi	24.03 71	P	P	10 24 25.4	-5.6
KSH	Kashi	24.03 71	P	P	10 23 51.6	-1.3
KSH	Kashi	24.03 71	P	P	10 23 56.2	0.0
KSH	Kashi	24.03 71	P	P	10 23 59.0	-0.8
KSH	Kashi	24.03 71	P	P	10 24 25.4	-5.6
KSH	Kashi	24.03 71	P	P	10 23 51.6	-1.3
KSH	Kashi	24.03 71	P	P	10 23 56.2	0.0
KSH	Kashi	24.03 71	P	P	10 23 59.0	-0.8
KSH	Kashi	24.03 71	P	P	10 24 25.4	-5.6
KSH	Kashi	24.03 71	P	P	10 23 51.6	-1.3
KSH	Kashi	24.03 71	P	P	10 23 56.2	0.0
KSH	Kashi	24.03 71	P	P	10 23 59.0	-0.8
KSH	Kashi	24.03 71	P	P	10 24 25.4	-5.6
KSH	Kashi	24.03 71	P	P	10 23 51.6	-1.3
KSH	Kashi	24.03 71	P	P	10 23 56.2	0.0
KSH	Kashi	24.03 71	P	P	10 23 59.0	-0.8
KSH	Kashi	24.03 71	P	P	10 24 25.4	-5.6
KSH	Kashi	24.03 71	P	P	10 23 51.6	-1.3
KSH	Kashi	24.03 71	P	P	10 23 56.2	0.0
KSH	Kashi	24.03 71	P	P	10 23 59.0	-0.8
KSH	Kashi	24.03 71	P	P	10 24 25.4	-5.6
KSH	Kashi	24.03 71	P	P	10 23 51.6	-1.3
KSH	Kashi	24.03 71	P	P	10 23 56.2	0.0
KSH	Kashi	24.03 71	P	P	10 23 59.0	-0.8
KSH	Kashi	24.03 71	P	P	10 24 25.4	-5.6
KSH	Kashi	24.03 71	P	P	10 23 51.6	-1.3
KSH	Kashi	24.03 71	P	P	10 23 56.2	0.0
KSH	Kashi	24.03 71	P	P	10 23 59.0	-0.8
KSH	Kashi	24.03 71	P	P	10 24 25.4	-5.6
KSH	Kashi	24.03 71	P	P	10 23 51.6	-1.3
KSH	Kashi	24.03 71	P	P	10 23 56.2	0.0
KSH	Kashi	24.03 71	P	P	10 23 59.0	-0.8
KSH	Kashi	24.03 71	P	P	10 24 25.4	-5.6
KSH	Kashi	24.03 71	P	P	10 23 51.6	-1.3
KSH	Kashi	24.03 71	P	P	10 23 56.2	0.0
KSH	Kashi	24.03 71	P	P	10 23 59.0	-0.8
KSH	Kashi	24.03 71	P	P	10 24 25.4	-5.6
KSH	Kashi	24.03 71	P	P	10 23 51.6	-1.3
KSH	Kashi	24.03 71	P	P	10 23 56.2	0.0
KSH	Kashi	24.03 71	P	P	10 23 59.0	-0.8
KSH	Kashi	24.03 71	P	P	10 24 25.4	-5.6
KSH	Kashi	24.03 71	P	P	10 23 51.6	-1.3
KSH	Kashi	24.03 71	P	P	10 23 56.2	0.0
KSH	Kashi	24.03 71	P	P	10 23 59.0	-0.8
KSH	Kashi	24.03 71	P	P	10 24 25.4	-5.6
KSH	Kashi	24.03 71	P	P	10 23 51.6	-1.3
KSH	Kashi	24.03 71	P	P	10 23 56.2	0.0
KSH	Kashi	24.03 71	P	P	10 23 59.0	-0.8
KSH	Kashi	24.03 71	P	P	10 24 25.4	-5.6
KSH	Kashi	24.03 71	P	P	10 23 51.6	-1.3
KSH	Kashi	24.03 71	P	P	10 23 56.2	0.0
KSH	Kashi	24.03 71	P	P	10 23 59.0	-0.8
KSH	Kashi	24.03 71	P	P	10 24 25.4	-5.6
KSH	Kashi	24.03 71	P	P	10 23 51.6	-1.3
KSH	Kashi	24.03 71	P	P	10 23 56.2	



Table with columns: WKZ, Wanaka, 0.84 179, P\*, P, 11 03 47.5 -1.0, etc.

ISK 01 11:18:05.6,36.96N-27.70E, h9km, MD2.4
DDA 01 11:18:05.2,36.91N-27.74E, h7km,2km, MD2.8

CSEM 01 11:18:05.9,0.2,36.94N-27.72E, h10km, MD2.4, Error
ellipse: s-maj=4.2km s-min=3.3km az=124.0

ISC 01 11:18:06.2,1.8,36.93N-0.05:27.73E,0.07,h2km,60km,
n14,0542/24,1D,Decadecane Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

ATH 01 11:30:30.5,36.25N-28.91E, h56km,2km, MD3.4/6
ISCJB 01 11:30:30.1,0.3,36.15N-0.03:28.90E,0.03,h7km,8km,

Error ellipse: s-maj=5.0km s-min=4.1km az=7.0
ISK 01 11:30:30.6,36.23N-28.89E, h80km, MD2.9

CSEM 01 11:30:31.5,0.1,36.17N-28.93E, h60km, MD3.1, Error
ellipse: s-maj=3.0km s-min=2.6km az=62.0

THE 01 11:30:32.2,36.22N-28.97E, h47km,6km, ML3.2/2, Error
ellipse: s-maj=6.6km s-min=0.8km az=302.0

DDA 01 11:30:35.8,36.98N-28.99E, h7km,9km, MD3.1
HLW 01 11:30:38.9,35.73N-28.97E, h42km,13km, MD3.7, MI3.2

ISC 01 11:30:31.6,0.4,36.18N-0.03:28.89E,0.03,h68km,9km,
n78,0573/113,1C-1D,Decadecane Islands

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

Table with columns: SLUM, Wanaka, 0.84 179, P\*, P, 11 03 47.5 -1.0, etc.

ISCJB 01 11:56:04.0,0.6,63.17N-0.02:151.53W,0.05,h9km,5km,
mb3.6/7, Error ellipse: s-maj=4.2km s-min=3.0km az=23.8

NEIC 01 11:56:04.6,63.13N-151.48W, h12km, ML3.4(AEIC), After
AEIC

ISC 01 11:56:04.7,0.8,63.32N-151.60W, h0km, mb3.6/7,
mb1 3.7/10, mb1 m3.8,23, mb1m3.5/10, ML3.3, Error ellipse: s-maj=17.0km s-min=12.6km az=134.0

ISC 01 11:56:04.7,0.5,63.16N-0.02:151.52W,0.05,h7km,4km,
n65,0597/80,mb3.6/7,Central Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

ISCJB 01 12:09:55.6,0.6,12.57N-0.05:89.48W,0.04,h50km,4km,
mb4.5/34, MS3.5/2, Error ellipse: s-maj=9.1km
s-min=4.0km az=33.6

CASC 01 12:09:56.0,2.4,12.61N-89.51W, h34km,21km, MD4.0,
ML4.1, mb4.7(NEIC)

ISC 01 12:09:58.2,4.3,12.91N-89.07W, h46km,35km, mb4.0/13,
mb1 4.2/14, mb1m3.4/0.24, mb1m3.4/0.14, ML3.7/1, MS3.6/3,
s-min=23.3km az=33.0

NEIC 01 12:09:59.2,1.0,12.73N-89.24W, h63km,8km, mb4.7/27,
Error ellipse: s-maj=13.3km s-min=6.7km az=219.0

ISC 01 12:09:57.6,0.5,12.69N-0.05:89.42W,0.04,h44km,4km,
n108,0151/113,mb4.5/34,MS3.5/2,8C-2D,Off coast of
central America

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

Table with columns: NVAR, Mina Array Bea, 31.81 125, P, P, 12 02 13.8 +2.1, etc.

ISCJB 01 11:59:55.4,0.4,11.58N-0.09:85.9W,0.1,h165km,4km,
mb3.9/6, Error ellipse: s-maj=21.7km s-min=4.8km
az=138.6

IDC 01 11:59:55.3,1.0,11.69N-85.65W, h157km,22km, mb3.6/6,
s-maj=43.3km s-min=22.0km az=33.0

NEIC 01 11:59:55.8,0.9,11.48N-85.89W, h17km,11km, Error
ellipse: s-maj=32.3km s-min=12.0km az=214.0

CASC 01 11:59:56.2,1.3,11.52N-85.93W, h157km,4km, MD3.7,
ML3.3

ISC 01 11:59:56.1,0.4,11.58N-0.09:85.9W,0.1,h162km,4km,
n50,0575/61,mb3.9/6,4C-1D,Nicaragua

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

ISCJB 01 12:09:55.6,0.6,12.57N-0.05:89.48W,0.04,h50km,4km,
mb4.5/34, MS3.5/2, Error ellipse: s-maj=9.1km
s-min=4.0km az=33.6

CASC 01 12:09:56.0,2.4,12.61N-89.51W, h34km,21km, MD4.0,
ML4.1, mb4.7(NEIC)

ISC 01 12:09:58.2,4.3,12.91N-89.07W, h46km,35km, mb4.0/13,
mb1 4.2/14, mb1m3.4/0.24, mb1m3.4/0.14, ML3.7/1, MS3.6/3,
s-min=23.3km az=33.0

NEIC 01 12:09:59.2,1.0,12.73N-89.24W, h63km,8km, mb4.7/27,
Error ellipse: s-maj=13.3km s-min=6.7km az=219.0

ISC 01 12:09:57.6,0.5,12.69N-0.05:89.42W,0.04,h44km,4km,
n108,0151/113,mb4.5/34,MS3.5/2,8C-2D,Off coast of
central America

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.







1d 14h

2008 DEC

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MKAR Makanchi Array, CMAR Chiang Mai Arr, ZALV Zalesovo Beam, etc.

ISCJB 01 13:25:17.8.0.7, 3.17S, 0.05x136.94E, 0.05, h89km, 6km, mb3.9/9, Error ellipse: s-maj=10.1km s-min=6.5km az=136.3

NEIC 01 13:25:17.7.2.7, 3.15S, 136.87E, h70km, 30km, mb4.0/2, Error ellipse: s-maj=24.6km s-min=11.8km az=117.0

DJA 01 13:25:19.3.00S:136.92E, h90km, MLV4.3/4, Error ellipse: s-maj=24.6km s-min=11.8km az=117.0

ISC 13:25:20.2.5.1, 3.14S, 136.95E, h92km, 54km, mb3.7/9, mb1.3.8/11, mb1mx3.7/16, mbtmp3.7/11, ML.4/1, Error ellipse: s-maj=33.2km s-min=24.8km az=115.0

ISC 13:25:19.2.0.1, 3.12S, 136.90E, 0.05, h88km, 6km, n40, c106/47, mb3.9/9, Irian Jaya

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SMPJ Sarmi, SMPI Mapi, JAY Jayapura, etc.

ISCJB 01 13:29:36.5.1.2, 47.7N, 0.2x152.78E, 0.2, h136km, 13km, mb3.2/4, Error ellipse: s-maj=33.3km s-min=9.6km az=136.9

MOS 01 13:29:36.7.0.5, 47.66N, 152.74E, h139km, mb3.6/1, Error ellipse: s-maj=33.4km s-min=12.4km az=55.8

ISC 01 13:29:38.0.3.1, 47.71N, 152.76E, h134km, 32km, mb3.0/4, mb1.3.3/6, mb1mx3.0/23, mbtmp3.0/6, Error ellipse: s-maj=53.5km s-min=17.8km az=143.0

NEIC 01 13:29:37.7.0.9, 47.68N, 152.73E, h132km, 9km, Error ellipse: s-maj=22.2km s-min=6.9km az=132.0

ISC 01 13:29:37.8.1.1, 47.77N, 0.2x152.7E, 0.2, h131km, 12km, n30, c037/31, mb3.2/4, Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SKR Severo-Kuril's, SKR Kuril, etc.

ISCJB 01 13:29:36.5.1.2, 47.7N, 0.2x152.78E, 0.2, h136km, 13km, mb3.2/4, Error ellipse: s-maj=33.3km s-min=9.6km az=136.9

MOS 01 13:29:36.7.0.5, 47.66N, 152.74E, h139km, mb3.6/1, Error ellipse: s-maj=33.4km s-min=12.4km az=55.8

ISC 01 13:29:38.0.3.1, 47.71N, 152.76E, h134km, 32km, mb3.0/4, mb1.3.3/6, mb1mx3.0/23, mbtmp3.0/6, Error ellipse: s-maj=53.5km s-min=17.8km az=143.0

NEIC 01 13:29:37.7.0.9, 47.68N, 152.73E, h132km, 9km, Error ellipse: s-maj=22.2km s-min=6.9km az=132.0

ISC 01 13:29:37.8.1.1, 47.77N, 0.2x152.7E, 0.2, h131km, 12km, n30, c037/31, mb3.2/4, Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SKR Severo-Kuril's, SKR Kuril, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KSRS Korea Array, KSAR Wonju Array, etc.

ISC 01 13:33:17.5.1.9, 0.68S, 98.31E, h0km, mb4.0/7, mb1.4.1/8, mb1mx3.8/24, mbtmp3.9/8, Error ellipse: s-maj=86.1km s-min=17.8km az=53.0

NEIC 13:33:22.4.0.6, 0.69S, 97.33E, h35km, mb4.0/2, Error ellipse: s-maj=1.2km s-min=0.9km az=55.0

ISCJB 01 13:33:23.8.1.1, 0.40S, 0.05x98.53E, 0.08, h54km, 9km, mb3.9/9, Error ellipse: s-maj=13.3km s-min=7.7km az=160.7

DJA 01 13:33:24.0.35S:98.64E, h15km, MLV3.7/6, Error ellipse: s-maj=1.2km s-min=0.9km az=55.0

ISC 01 13:33:25.0.1.1, 0.41S, 0.05x98.56E, 0.08, h47km, 10km, n31, c088/33, mb3.9/9, Southern Sumatra

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SISI Saibi, MNSI Mandailing Nat, PPI Padang Panjang, etc.

ISC 01 13:41:09.9.3.9, 15.36S, 175.23W, h0km, mb3.7/3, mb1.4.0/3, mb1mx3.7/15, mbtmp3.7/3, MS3.8/9, Ms1.3.8/9, ms1mx3.5/26, Error ellipse: s-maj=254.9km s-min=32.4km az=150.0, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like AFI Afiamalu, HNR Horata, etc.

ISC 01 13:47:52.6.8.3, 37.26N, 70.36E, h0km, mb3.5, mpv3.3, Error ellipse: s-maj=68.0km s-min=57.9km az=165.0

ISC 01 13:47:44.0.3.8, 36.4N, 70.7E, 0.2, h10km, n8, c039/10, 3C-2D, Hindu Kush region

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like AML Almayushu, EKS2 Erkin-Say, etc.

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

DJA 01 14:20:22.8.15S:107.94E, h16km, MLV4.3/23, Error ellipse: s-maj=53.2km s-min=9.2km az=50.0

ISCJB 01 14:20:23.8.0.6, 8.49S, 0.06x107.87E, 0.03, h73km, 6km, mb3.8/12, Error ellipse: s-maj=10.2km s-min=4.8km az=20.6

ISC 01 14:20:23.8.10.0, 8.34S, 107.91E, h131km, 92km, mb3.4/10, mb1.3.5/11, mb1mx3.3/21, mbtmp3.4/11, ML3.3/1, MS2.7, Ms1.2/7, ms1mx2.6/19, Error ellipse: s-maj=77.6km s-min=16.4km az=55.0

ISC 01 14:20:23.0.6.8, 47S:107.86E, 0.04, h65km, 6km, n52, c192/59, mb3.8/12, Jawa

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like CISI Cisolmet, CLJI Cilicap, etc.

KRSC 01 14:27:03.5.1.8, 49.06N, 156.97E, h10km, 10km, ML4.7, Error ellipse: s-maj=5.0km s-min=3.7km az=137.7

MOS 01 14:27:05.0.1.2, 49.86N, 154.50E, h139km, mb3.9/23, Error ellipse: s-maj=12.0km s-min=6.7km az=69.7

ISC 01 14:27:05.0.0.9, 50.01N, 154.32E, h117km, 7km, mb3.7/24, mb1.3.8/26, mb1mx3.8/23, mbtmp3.7/26, Error ellipse: s-maj=19.8km s-min=10.0km az=160.0

NEIC 01 14:27:05.0.5.0, 49.80N, 154.43E, mb4.2/7, Error ellipse: s-maj=14.3km s-min=6.4km az=142.0

ISC 01 14:27:05.4.0.5, 49.74N, 0.06x154.52E, 0.09, h128km, 4km, h128km, 4km, mp-P, n20, c1919/136, mb4.0/29, 1C-1D, Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SKR Severo-Kuril's, SKR Kuril, etc.







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

BYKL 01 16:24:09.9,0.5,73.32N,120.53E
IDC 01 16:24:09.2,0.6,57.30N,120.44E,h0km,mb4.0/16,
mb1.4/1/18,mb1mx4.0/31,mbtmp4.1/18,ML3.5/2,MS3.3/11,
Ms1.3/4/11,ms1mx3.2/35,Error ellipse: s-maj=17.2km
s-min=13.2km az=34.0
BUJ 01 16:24:09.1,57.32N,120.97E,h17km,mb4.5/3,mb4.4/6,
ML5.2/3,MS4.4/6,Ms7.4/1/6
MOS 01 16:24:09.1,1.1,57.33N,120.52E,h12km,mb4.4/19,Error
ellipse: s-maj=10.5km s-min=7.9km az=94.6
ISCSJB 01 16:24:09.2,0.3,57.20N,120.37E,h10km,
mb4.1/24,MS3.4/11,Error ellipse: s-maj=4.7km
s-min=3.3km az=12.4
NEIC 01 16:24:10.8,0.3,57.28N,120.45E,h10km,mb4.2/3,Error
ellipse: s-maj=7.7km s-min=7.1km az=168.0
ISC 01 16:24:11.0,0.3,57.24N,120.42E,0.04,h10km,n124,
a1528/153,mb4.1/24,MS3.4/11,3C-5D,Southeastern
Siberia

Main table of station data for the left column, including stations like KHNR, CRCS, CLNS, etc.

Main table of station data for the middle column, including stations like YLYR, NIZ, NIZ, etc.

Main table of station data for the right column, including stations like GTA, GTA, GTA, etc.

STR 01 16:38:43.8,1.3,51.48N,6.95E,h10km,MI2.7,Error
ellipse: s-maj=0.0km s-min=0.0km az=0.0
ISCSJB 01 16:38:44.5,0.3,51.43N,0.02E,6.47E,0.04,h0km,Error
ellipse: s-maj=3.7km s-min=2.3km az=30.9
CSEM 01 16:38:45.6,0.2,51.46N,6.48E,h11km,ML3.3/4/16,Error
ellipse: s-maj=4.1km s-min=2.8km az=120.0











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

WEL 01 17:39:04.20.1, 44335S-170°12'E, h13km, 1km, ML4.1/18, 1C-1D, Error ellipse: s-maj=1.2km s-min=0.7km az=90.0,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Lake Benmore, Otahua Downs, Wanaka, etc.

ISC/JB 01 18:03:21.3:0.5, 39°73'N, 0°03'38''E, 0.04, h6km, 6km, Error ellipse: s-maj=5.1km s-min=4.4km az=172.7

DDA 01 18:03:21.9, 39°70'N, 38°72'E, h7km, 1km, MD2.9, Error ellipse: s-maj=5.6km s-min=5.0km az=105.0

ISC 01 18:03:24.2, 39°73'N, 0°05'E, h30km, MD2.8, Error ellipse: s-maj=5.6km s-min=5.0km az=105.0

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

IDC 01 18:06:29.4:1.3, 1°46'S-97°20'E, h0km, mb4.2/12, mb1 4.3/13, mb1mx4.0/25, mbmp4.2/13, ML4.1/1, MS3.4/3,

ISC/JB 01 18:06:31.2:1.7, 1°47'S-97°14'E, 0.04, h23km, 12km, mb4.2/16, MS3.4/3, Error ellipse: s-maj=7.9km s-min=5.3km az=35.0

DJA 01 18:06:34.1, 1°44'S-97°16'E, h47km, MLV5.0/20, NEIC 01 18:06:35.5:0.6, 1°41'S-97°33'E, h35km, mb4.2/6, Error ellipse: s-maj=17.1km s-min=8.8km az=63.0

ISC 01 18:06:33.6:1.7, 1°47'S-97°16'E, 0.04, h26km, 12km, h22km, 9km, pp-P, n70, 019/04/77, mb4.2/16, MS3.4/3,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Sisi, Mandailing Nat, Padang, etc.

Table with columns: MNAI, S, Sn, Time, Res, ISC. Includes stations like IPM, KGM, BSI, MYKOM, etc.

ISC/JB 01 18:38:04.6:0.3, 32°05'N, 0°03'49''E, 0.04, h10km, Error ellipse: s-maj=5.8km s-min=3.0km az=139.8

CSEM 01 18:38:05.3:0.3, 32°06'N, 49°56'E, h5km, ML3.1, Error ellipse: s-maj=13.6km s-min=6.0km az=122.0

TEH 18:38:05.2:0.2, 32°06'N, 49°56'E, h2km, KISR 01 18:38:05.6:0.8, 31°38'N, 49°34'E, h16km, SGS 01 18:38:05.7:0.3, 32°06'N, 0°03'49''E, 0.03, h10km, n35, 0°98/49, Western Iran

Table with columns: SHGR, S, Sn, Time, Res, ISC. Includes stations like Shooshtar-Gavs, Pirpir, IGAR, etc.

Table with columns: RDF, S, Sn, Time, Res, ISC. Includes stations like Al-Radifah, Li, Al-Qurain, etc.

DDA 01 18:39:17.1, 39°41'N, 25°89'E, h7km, 3km, MD2.9, CSEM 01 18:39:18.1:0.2, 39°43'N, 25°85'E, h2km, ML2.4/6, Error ellipse: s-maj=4.6km s-min=3.5km az=83.0

ISC/JB 01 18:39:18.1:0.4, 39°44'N, 0°02'25''E, 0.03, h4km, 3km, Error ellipse: s-maj=3.6km s-min=2.7km az=174.2

ATH 01 18:39:18.2, 39°46'N, 25°94'E, h21km, MD3.3/7, THE 01 18:39:19.0, 39°42'N, 25°86'E, h8km, 1km, ML2.4/6, Error ellipse: s-maj=1.6km s-min=0.5km az=163.0

ISK 01 18:39:21.1, 39°59'N, 25°97'E, h8km, MD3.1, ISC 01 18:39:18.6:0.4, 39°44'N, 0°02'25''E, 0.03, h6km, 3km, n78, 019/06/17, Aegean Sea

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





Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like G21A Lodge Grass, H20A World, J20A Shoshoni, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like HWUT Hardware Ranch, DLMT Dillon, HRY Holter Researc, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like WRA South Karori, KHZ Kahutara, KHZ Honiara, etc.





Q22A	baz=89	Crested Butte,	88.56	46	↑P	P	20 34 22.2	-0.8
MSO	baz=89	Missoula	88.65	37	↑P	LR	20 34 40.0	+1.7
E14A	comp=Z,801nm,19.0s,MS5.2	Clinton	88.66	38	↓P	P	20 34 22.6	-0.7
L19A	baz=89	Farson	88.68	43	↓P	P	20 34 22.9	-0.6
N20A	baz=89	Spence Gulch,	88.70	44	↓P	P	20 34 22.6	-1.0
Y27A	baz=89	Causey	88.70	52	↑P	P	20 34 22.8	-1.1
MOOV	baz=89	Moose Ponds	88.73	41	eP	P	20 34 26.0	+2.3
LOHW	comp=Z,117nm,2.8s,mb5.7	Long Hollow	88.74	41	eP	P	20 34 22.6	-1.2
BPWV	comp=Z,2.3nm,0.6s,mb4.7	Bear Paw Mtn.	88.76	10	eP	P	20 34 22.4	-0.9
PAX	comp=Z,27nm,1.4s,mb5.4	Paxson	88.76	13	eP	P	20 34 23.6	+0.2
PAX	comp=Z,34nm,1.4s,mb5.5	Paxson	88.76	13	eP	P	20 34 35.5	-0.2
MCK	comp=Z,149nm,1.9s,mb6.0	McKinley	88.78	11	eP	P	20 34 23.6	+0.2
MCK	comp=Z,149nm,1.9s,mb5.0	McKinley	88.78	11	eP	P	20 34 23.6	+0.2
C13A	comp=Z,149nm,1.9s,mb6.0	Hot Springs	88.80	36	↓P	P	20 34 23.3	-0.6
J18A	baz=89	Kendall Valley	88.88	42	↓P	P	20 34 24.1	-0.3
LRM	baz=89	Limekiln Ridge	88.90	38	eP	P	20 34 26.6	+2.2
PD01	baz=89	Pinedale Array	88.91	42	eP	P	20 34 23.4	-1.2
BW06	baz=89	Boulder Array	88.92	42	eP	P	20 34 24.3	-0.3
BW06	baz=89	Boulder Array	88.92	42	eP	P	20 34 40.0	+1.5
PDAR	comp=Z,732nm,19.0s,MS5.1	Pinedale Array	88.92	42	eP	P	20 34 23.8	-0.9
PDAR	comp=Z,3.2nm,1.0s,mb4.6,baz=21.7,slow=2.8,SNR=12	Pinedale Array	88.92	42	eP	P	21 06 43.1	
SDCO	comp=Z,2.41nm,20.0s,MS4.8,baz=24.1,slow=30.0	Pinedale Array	88.92	42	eP	P	20 34 23.8	-0.9
SDCO	comp=Z,3.2nm,1.0s,mb4.6,baz=21.7,slow=2.8,SNR=12	Great Sand Dun	88.94	48	eP	P	20 34 24.0	-0.3
SDCO	comp=Z,15nm,1.6s,mb5.1	Great Sand Dun	88.94	48	eP	P	20 34 24.9	0.0
R23A	comp=Z,1.1um,19.0s,MS5.3	Moffat	88.95	47	↓P	P	20 34 25.0	+0.1
U25A	baz=89	Circle Dot Ran	89.03	50	↓P	P	20 34 24.6	-0.7
D14A	baz=89	Greenough	89.04	37	↓P	P	20 34 24.8	-0.3
P22A	baz=89	Eagle	89.04	46	↑P	P	20 34 25.1	-0.1
CHMT	baz=89	Chamberlain Mo	89.08	37	eP	P	20 34 25.7	+0.5
M20A	baz=89	Sweetwater, Wa	89.10	44	↓P	P	20 34 25.5	0.0
MENT	baz=89	Mentasta	89.11	14	eP	P	20 34 25.1	+0.2
TPTI	baz=89	TPTI	89.13	274	eP	P	20 34 26.8	+0.5
N21A	comp=Z,37nm,1.2s,mb5.6	Black Mountain	89.15	45	↓P	P	20 34 25.4	-0.3
L20A	baz=89	Wamsutter	89.27	43	↓P	P	20 34 25.8	-0.5
B13A	baz=89	Whitefish	89.28	36	↑P	P	20 34 25.6	-0.5
BOZ	baz=89	Bozeman (W)	89.28	39	↑P	LR	20 34 40.0	+1.4
LKWY	comp=Z,700nm,19.0s,MS5.1	Lake	89.39	40	↑P	LR	20 34 40.0	+1.3
LKWY	comp=Z,1.1um,20.0s,MS5.4	Lake	89.39	40	↑P	LR	20 34 40.0	+1.3
T25A	baz=90	Trinidad	89.40	49	↓P	P	20 34 26.2	-0.8
R24A	baz=90	Sanders Place,	89.46	48	↓P	P	20 34 27.2	0.0
O22A	baz=90	Kremmling	89.47	46	↑P	P	20 34 27.3	0.0
BJT	baz=90	Baijiatuu	89.48	314	↑P	LR	20 34 40.0	+1.3
BJT	comp=Z,264nm,19.0s,MS4.7	Baijiatuu	89.48	314	↑P	LR	20 34 40.0	+1.3
BJI	comp=Z,264nm,19.0s,MS4.7	Beijing	89.48	314	↑P	P	20 34 28.2	+0.9
BJI	comp=Z,264nm,19.0s,MS4.7	Beijing	89.48	314	↑P	P	20 34 39.5	-0.1
BJI	comp=Z,264nm,19.0s,MS4.7	Beijing	89.48	314	↑P	P	20 34 43.1	-1.1
BJI	comp=Z,264nm,19.0s,MS4.7	Beijing	89.48	314	↑P	P	20 38 00.7	+1.3
BJI	comp=Z,264nm,19.0s,MS4.7	Beijing	89.48	314	↑P	P	20 45 15.9	+0.9
BJI	comp=Z,264nm,19.0s,MS4.7	Beijing	89.48	314	↑P	P	20 45 33.6	-1.9
BJI	comp=Z,44nm,2.3s,mb5.4	BJI						
BJI	comp=Z,570nm,4.5s	BJI						
BJI	comp=N,240nm,17.2s,MS4.8	BJI						
BJI	comp=E,140nm,16.0s,MS4.8	BJI						
BJI	comp=Z,190nm,29.3s	BJI						
U26A	baz=90	Atchley Ranch,	89.50	50	↓P	P	20 34 26.0	-1.5
J19A	baz=90	Crowheart	89.50	42	↑P	P	20 34 26.5	-0.8
D15A	baz=90	Lincoln	89.56	37	↓P	P	20 34 27.3	-0.2
ENH	baz=90	Enshi	89.60	303	eP	P	20 34 29.1	+1.0
ENH	comp=Z,294nm,1.4s,mb5.4	Enshi	89.60	303	eP	P	20 34 29.1	+1.0
JCT	comp=Z,302nm,21.0s,MS4.7	Junction City	89.64	57	eP	P	20 34 30.3	+1.9
JCT	comp=Z,132nm,2.4s,mb5.8	Junction City	89.64	57	eP	P	20 34 30.3	+1.9
JCT	comp=Z,1.1um,20.0s,MS5.3	Junction City	89.64	57	eP	P	20 34 30.3	+2.0
JCT	comp=Z,132nm,2.4s,mb5.8	Junction City	89.64	57	eP	P	20 34 30.3	+2.0
DOT	comp=Z,1.1um,20.0s,MS5.3	Dot Lake	89.66	13	eP	P	20 34 28.2	+0.6
M21A	comp=Z,1.7nm,1.2s,mb5.2	Separation Pea	89.68	44	↑P	P	20 34 27.4	-0.8
E16A	baz=90	East Helena	89.75	38	↓P	P	20 34 28.1	-0.3
HRY	baz=90	Holter Researc	89.76	38	↓P	P	20 34 28.1	-0.4
Q24A	baz=90	Divide	89.79	47	↑P	P	20 34 27.9	-0.9
KVXT	baz=90	Kingsville	89.84	60	↑P	LR	20 34 40.0	+1.1
N22A	comp=Z,586nm,19.0s,MS5.0	Wattenberg Ran	89.86	45	↑P	P	20 34 28.6	-0.4
L21A	baz=90	Rawlins	89.87	44	↑P	P	20 34 28.8	-0.3
ISCO	baz=90	Idaho Springs	89.90	46	↑P	LR	20 34 40.0	+1.1
COLA	comp=Z,703nm,20.0s,MS5.1	College	90.02	11	eP	P	20 34 28.7	-0.5
COLA	comp=Z,95nm,1.3s,mb5.5	College	90.02	11	eP	P	20 34 28.7	-0.5
COLA	comp=Z,1.1um,20.0s,MS5.3	College	90.02	11	eP	P	20 34 28.7	-0.5
COLA	comp=Z,35nm,1.3s,mb5.5	College	90.02	11	eP	P	20 34 28.7	-0.5
M22A	comp=Z,1.1um,20.0s,MS5.3	Cedar Creek Ra	90.07	44	↑P	P	20 34 30.0	-0.1
ILAR	comp=Z,12nm,1.0s,mb5.2,baz=221,slow=5.6,SNR=41	Eielson Array	90.10	12	P	P	20 34 29.1	-0.5
ILAR	comp=Z,12nm,1.0s,mb5.2,baz=221,slow=5.6,SNR=41	Eielson Array	90.10	12	P	P	20 34 29.1	-0.5
D16A	baz=90	Dana Ranch, Ca	90.10	289	↑P	P	20 34 30.0	-0.1
GYA	baz=90	Guyang	90.16	299	↑P	P	20 34 32.1	+1.3
GYA	comp=Z,1.1um,20.0s,MS5.4	Guyang	90.16	299	↑P	P	20 34 44.0	+0.9
GYA	comp=Z,1.1um,20.0s,MS5.4	Guyang	90.16	299	↑P	P	20 38 08.3	+3.3
GYA	comp=Z,1.1um,20.0s,MS5.4	Guyang	90.16	299	↑P	P	20 44 57.4	
GYA	comp=Z,1.1um,20.0s,MS5.4	Guyang	90.16	299	↑P	P	20 45 20.5	-1.3
GYA	comp=Z,1.1um,20.0s,MS5.4	Guyang	90.16	299	↑P	P	20 45 41.2	-1.1
GYA	comp=Z,1.1um,20.0s,MS5.4	Guyang	90.16	299	↑P	P	20 51 23.4	+1.5

GYA	comp=Z,40nm,1.0s,mb5.7	GYA						
GYA	comp=Z,150nm,5.8s	GYA						
GYA	comp=N,780nm,20.6s,MS5.2	GYA						
GYA	comp=E,660nm,21.0s,MS5.2	GYA						
N23A	comp=Z,890nm,20.8s,MS5.2	Red Feather La	90.24	45	↑P	P	20 34 31.2	+0.4
AMTX	baz=91	Amarillo	90.26	52	↑P	LR	20 34 40.0	+8.9
K21A	comp=Z,2.1um,20.0s,MS5.6	Alcova	90.29	43	↓P	P	20 34 31.1	+0.1
H19A	baz=91	Powell	90.30	41	↑P	P	20 34 31.4	+0.4
Q25A	baz=91	Bedland, Calha	90.38	47	↑P	P	20 34 30.8	-0.8
C16A	baz=91	Fuhringr Ranc	90.43	37	↓P	P	20 34 31.3	-0.2
I20A	baz=91	Worldand	90.43	42	↓P	P	20 34 31.0	-0.7
L22A	baz=91	Ellis Ranch, M	90.50	44	↓P	P	20 34 32.0	0.0
A15A	baz=91	Johnson Ranch,	90.56	36	↑P	P	20 34 31.8	-0.3
D17A	baz=91	Six Diamond Ra	90.66	38	↑P	P	20 34 32.3	-0.3
E18A	baz=91	Harlowton	90.78	39	↑P	P	20 34 32.7	-0.5
B16A	baz=91	M & M Farms, S	90.80	37	↓P	P	20 34 32.4	-0.8
H20A	baz=91	Greybull	90.80	41	↑P	P	20 34 32.3	-1.1
LCO	comp=Z,815nm,20.0s,MS5.2	Las Campanas	90.82	122	↑P	LR	20 34 50.0	+1.6
LCO	comp=Z,815nm,20.0s,MS5.2	Las Campanas	90.82	122	↑P	LR	20 34 50.0	+1.6
TIY	comp=Z,2.1um,20.0s,MS5.2	Taiyuan	90.87	311	↑P	P	20 34 35.0	+1.1
TIY	comp=Z,2.1um,20.0s,MS5.2	Taiyuan	90.87	311	↑P	P	20 34 46.7	+0.5
TIY	comp=Z,2.1um,20.0s,MS5.2	Taiyuan	90.87	311	↑P	P	20 34 51.0	+0.3
TIY	comp=Z,2.1um,20.0s,MS5.2	Taiyuan	90.87	311	↑P	P	20 45 27.3	-0.6
TIY	comp=Z,2.1um,20.0s,MS5.2	Taiyuan	90.87	311	↑P	P	20 45 46.7	-1.8
I21A	comp=Z,380nm,3.6s	Big Trails, Te	90.88	42	↑P	P	20 34 33.4	-0.4
C17A	baz=91	Wharram Farm,	90.88	38	↑P	P	20 34 33.4	-0.2
F19A	baz=91	Roth Farm, Mol	90.96	40	↑P	P	20 34 34.0	0.0
DAWY	baz=91	Dawson	91.07	15	eP	P	20 34 34.4	+0.2
J22A	baz=91	Midwest	91.18	43	↓P	P	20 34 35.1	0.0
B17A	baz=91	L&G Farms, Che	91.23	37	↑P	P	20 34 35.3	0.0
EGAK	baz=92	Eagle	91.27	14	eP	P	20 34 35.2	+0.2
EGAK	comp=Z,40nm,1.2s,mb5.6	Eagle	91.27	14	eP	P	20 34 35.2	+0.2
I22A	comp=Z,894nm,19.0s,MS5.2	9 Mile Ranch,	91.42	42	↓P	P	20 34 36.6	+0.4
A17A	baz=92	Triple J Farms	91.65	37	↓P	P	20 34 37.2	+0.1
EGMT	baz=92	Eagleton	91.67	38	↑P	LR	20 34 50.0	+1.3
D19A	comp=Z,1.1um,19.0s,MS5.3	Cripps Ranch,	91.70	39	↑P	P	20 34 37.6	+0.1
XAN	comp=Z,1.1um,19.0s,MS5.3	Xi'an	91.71	306	↑P	P	20 34 38.9	+1.0
XAN	comp=Z,1.1um,19.0s,MS5.3	Xi'an	91.71	306	↑P	P	20 34 51.3	+1.1
XAN	comp=Z,1.1um,19.0s,MS5.3	Xi'an	91.71	306	↑P	P	20 34 57.9	+3.2
XAN	comp=Z,1.1um,19.0s,MS5.3	Xi'an	91.71	306	↑P	P	20 45 11.3	
XAN	comp=Z,22nm,1.3s,mb5.3	XAN						
XAN	comp=Z,59nm,8.8s	XAN						
XAN	comp=N,280nm,22.4s,MS4.7	XAN						
XAN	comp=E,110nm,22.9s,MS4.7	XAN						
BSI	comp=Z,140nm,22.9s,MS4.3	Banda Aceh	91.72	275	↑P	P	20 34 38.7	+0.3
BILL	comp=Z,2.1um,20.0s,MS5.2	Bilibino	91.72	353	↑P	LR	20 34 50.0	+1.3
E20A	comp=Z,1.1um,20.0s,MS5.4	Meyer Farm, Mu	91.78	40	↓P	P	20 34 38.2	+0.3
COLD	comp=Z,1.1um,20.0s,MS5.4	Coldfoot	91.79	9	eP	P	20 34 38.5	+1.2
COLD	comp=Z,1.6nm,1.2s,mb5.2	Coldfoot	91.79	9	eP	P	20 34 38.5	+1.2
C19A	comp=Z,1.1um,20.0s,MS5.3	Slack Wire Ran	91.91	38	↓P	P	20 34 50.4	+0.7
D20A	baz=92	Manuel Ranch,	92.09	39	↑P	P	20 34 38.7	+0.2
A18A	baz=92	Metzger Ranch,	92.10	37	↑P	P	20 34 39.4	+0.2
HIA	baz=92	Hailar	92.21	324	↑P	LR	20 34 50.0	+1.0
WMOK	comp=Z,513							





Table of astronomical observations for stations 31-40. Columns include station name, coordinates, object name, magnitude, and other parameters.

Table of astronomical observations for stations 41-50. Columns include station name, coordinates, object name, magnitude, and other parameters.

Table of astronomical observations for stations 51-60. Columns include station name, coordinates, object name, magnitude, and other parameters.









ASAR Alice Springs 94.46 114 P P 00 14 40.7 -0.2
WRA Warramunga Arr 95.47 111 P P 00 14 46.7 +1.2
WRA Warramunga Arr 95.47 111 P P 00 14 46.7 +1.2
KRSR Kora Array 95.76 53 LR LR 00 58 46.7 +1.2

CELP Cerrillos 2.40 242|eP Pn 00 30 25.5 -0.2
CELP Cerrillos 2.40 242|eS Sn 00 30 54.5 -0.4
AOBR Arecibo Observ 2.44 250|eP Pn 00 30 25.8 -0.5

T22A Edith 39.47 305 |P P 00 40 42.8 +0.6
U21A Nageezi 39.91 304 |P P 00 40 46.5 +0.6
R21A Cimarron 40.32 307 |P P 00 40 49.8 +0.5

CSEM 02 00:06:09.0.8.1, 37.91N-23.46E, h10km, ML1.3, Error ellipse: s-maj=1.8km s-min=1.7km az=103.0

THE 02 00:06:10.3, 37.90N-23.47E, h2km, 15km, Error ellipse: s-maj=15.7km s-min=6.0km az=137.0

ATH 02 00:06:10.2, 37.89N-23.47E, h9km, 4km, ML1.3, Southern Greece

Code Station Name Az AZZ Phase ID Time Res h m s ISC
NAIG Nisos Aigina 1.13 174 Op P 00 06 13.1 -0.1
NAIG Nisos Aigina 1.13 174 eP P 00 06 13.1 -0.1
ATH Athens Observa 0.21 67 eP P 00 06 14.5 0.0

ISCJB 02 00:33:11.8.1.2, 19.43N-0.03-66.38W-0.04, h22km, 9km, mb4.0/13, MS3-4/3, Error ellipse: s-maj=6.7km

RSPR 02 00:33:13.8, 19.50N-66.36W, h35km, 29km, MD4.0/18
NEIC 02 00:33:13.8, 19.50N-66.36W, h35km, mb4.6/2, MD4.0(RSPR), After RSPR

IDD 02 00:33:15.9.0.7, 19.36N-66.40W, h43km, 6km, mb3.7/12, mb1.4.0/12, mb1mx3.8/22, mbmp3.7/12, MS3.3/4, Ms1.3.3/4, ms1mx3.0/37, Error ellipse: s-maj=17.3km

ISC 02 00:33:11.4.0.9, 19.39N-0.03-66.36W-0.03, h9km, 6km, h45km, 2.1km:pp-P, n192, e055/195, mb4.0/13, MS3.4/3, 70C-77D, Puerto Rico region

Code Station Name Az AZZ Phase ID Time Res h m s ISC
AOBR Arecibo Observ 1.10 200|eP Pn 00 33 32.4 -0.1
AOBR Arecibo Observ 1.10 200|eS Sn 00 33 32.4 -0.1
AGPR Aguadilla, PR 1.16 218|eP Pn 00 33 33.4 -0.1

M20A Sweetwater, Wa 41.73 311 |P P 00 41 01.3 +0.5
E23A Ismay 41.77 319 |P P 00 41 01.7 +0.6
T18A Mexican Hat 41.80 304 |P P 00 41 01.4 -0.1
J21A Lytle 41.86 314 |P P 00 41 01.9 0.0

ISCJB 02 00:06:49.6.0.6, 37.02N-0.03-27.92E-0.04, h7km, 5km, Error ellipse: s-maj=5.3km s-min=4.5km az=24.4

CSEM 02 00:06:49.7.0.2, 37.02N-27.93E, h12km, MD2.7, Error ellipse: s-maj=3.8km s-min=3.4km az=120.0

ISK 02 00:06:49.0, 37.03N-27.95E, h15km, MD2.7
DDA 02 00:06:49.6, 37.03N-27.93E, h7km, 3km, MD3.0

THE 02 00:06:50.5, 37.00N-27.90E, h13km, 38km, Error ellipse: s-maj=41.7km s-min=2.0km az=336.0

ISC 02 00:06:50.0.5, 37.03N-0.03-27.92E-0.04, h13km, 5km, n26, e966/40, 1C, Turkey

Code Station Name Az AZZ Phase ID Time Res h m s ISC
MLSB Milas 0.29 336 eP P 00 06 55.7 -0.3
MLSB Milas 0.29 336 eS S 00 07 00.5 +0.4
MLSB Milas 0.29 336 eP P 00 06 55.7 -0.3

ISCJB 02 00:29:46.0.1.3, 19.30N-0.07-64.35W-0.05, h22km, 11km, Error ellipse: s-maj=12.3km s-min=8.4km az=167.5

TRN 02 00:29:45.9, 19.22N-64.33W, h29km, MD3.7(RSPR)
RSPR 02 00:29:46.8, 19.17N-64.15W, h66km, 3km, MD3.7/11

NEIC 02 00:29:46.8, 19.17N-64.15W, h66km, MD3.6(RSPR), After RSPR

ISC 02 00:29:47.0.1.3, 19.22N-0.07-64.35W-0.07, h16km, 10km, n41, e085/62, 12C-18B, Virgin Islands

Code Station Name Az AZZ Phase ID Time Res h m s ISC
ABV Anegada 0.49 178 |P P 00 29 58.3 +1.5
ABV Anegada 0.49 178 |P P 00 29 58.3 +1.5
TBVI Tortola 0.84 198 |P P 00 30 02.6 -0.7

BLA Blacksburg 20.63 328 eP P 00 37 52.7 -1.9
BLA Blacksburg 20.63 328 eS S 00 37 52.7 -1.9
OTAV Otavalo 22.42 213 eS S 00 38 10.2 -0.3
628A Big Bend Ranch 34.62 294 |P P 00 40 01.0 0.0

G17A Glamis 45.29 298 |P P 00 41 27.8 -1.0
G17A Martinsdale 45.26 317 |P P 00 41 29.5 +0.3
J15A Blackfoot 45.31 312 |P P 00 41 30.4 +0.8
B18A Bardsley Farm 45.33 320 |P P 00 41 30.4 +0.7



Table with columns: VLS, Valsamata, 0.62 280, ePN, Pn, 01 45 41.8 -2.0, etc.

Table with columns: KECS, Kecovo, 148.20 336, ePKP, PKPbc, 02 55 03.8 +5.4, etc.

Table with columns: AWBH, baz=162, 7.61 163, P, Pn, 03 08 20.5 -1.2, etc.

IDC 02 02:07:01.1a.3.2, 17:52S:169:26E, h0km, mb3.7/4, mb1 0.4/0.4, mb1mx3.8/15, mbtrp3.7/4, Error ellipse: s-maj=135.2km s-min=34.4km az=141.0

JMA 02 02:52:57.9-0.4, 44:04N:148:10E, h0km, M3.8, Kuril Islands

ROM 02 03:15:00.8-0.1, 43:61N:13:32E, h8km, 1km, Md3.0/29, M3.1/27, Error ellipse: s-maj=1.3km s-min=1.0km az=49.0

Table with columns: BAYA, Yate Dam, 4.95 202, eP, Pn, 02 45 45.0 +0.4, etc.

Table with columns: ATH 02 03:06:13.7, 35:67N:26:38E, h41km, 2km, MD3.4/8, THE 02 03:06:15.6, 35:64N:26:36E, h31km, 8km, ML3.1/3, Error ellipse: s-maj=8.5km s-min=0.8km az=154.0

Table with columns: SENI, Senigallia, 0.10 329, Op, P, Pn, 03 15 03.8 -0.7, etc.

ISCJB 02 02:36:15.8-1.2, 20:50S:0:1:178:5W, 0:1, h578km, 13km, mb4.2/16, Error ellipse: s-maj=23.6km s-min=14.1km az=144.7

ATH 02 03:06:16.9, 36:05N:26:66E, h8km, 1km, MD3.1, HLW 02 03:06:21.2, 35:26N:26:39E, h33km, 12km, M12.7, ISC 02 03:06:15.2-0.1, 35:64N:0:04:26:35E, 0:03, h34km, 8km, n75, e0978/114, Crete

SENI, Senigallia, 0.10 329, Op, P, Pn, 03 15 03.8 -0.7, etc.

NEIC 02 02:36:15.7-1.6, 20:55S:178:41W, h569km, 11km, mb4.4/4, Error ellipse: s-maj=36.6km s-min=11.4km az=140.0

Table with columns: KARP, Karpathos, 0.67 97, P, Pn, 03 06 27.7 -0.5, etc.

Table with columns: SENI, Senigallia, 0.10 329, Op, P, Pn, 03 15 03.8 -0.7, etc.

IDC 02 02:36:17.5-2.7, 20:45S:178:54W, h593km, 30km, mb3.9/5.0, mb1 3.7/9, mb1mx3.5/15, mbtrp3.6/8, Error ellipse: s-maj=11.1km s-min=13.4km az=149.0

Table with columns: KARP, Karpathos, 0.67 97, eP, Pn, 03 06 27.6 -0.6, etc.

Table with columns: SENI, Senigallia, 0.10 329, Op, P, Pn, 03 15 03.8 -0.7, etc.

ISC 02 02:36:16.5-1.3, 20:55S:0:1:178:5W, 0:1, h572km, 12km, mb2, e068/38, mb4.2-16, 2C-7D, Fiji Islands region

Table with columns: KARP, Karpathos, 0.67 97, eS, Pn, 03 06 27.6 -0.6, etc.

Table with columns: SENI, Senigallia, 0.10 329, Op, P, Pn, 03 15 03.8 -0.7, etc.

Table with columns: MSFV, Nonsavu, 4.29 310, eP, Pn, 02 37 41.7 -0.3, etc.

Table with columns: KARP, Karpathos, 0.67 97, eS, Pn, 03 06 27.6 -0.6, etc.

Table with columns: SENI, Senigallia, 0.10 329, Op, P, Pn, 03 15 03.8 -0.7, etc.

Table with columns: EIDS, Eidsvold, 28.40 254, eP, P, 02 41 26.0 +0.1, etc.

Table with columns: KARP, Karpathos, 0.67 97, eS, Pn, 03 06 27.6 -0.6, etc.

Table with columns: SENI, Senigallia, 0.10 329, Op, P, Pn, 03 15 03.8 -0.7, etc.

Table with columns: ARMA, Armidale, 28.65 244, eP, P, 02 41 28.9 +0.9, etc.

Table with columns: KARP, Karpathos, 0.67 97, eS, Pn, 03 06 27.6 -0.6, etc.

Table with columns: SENI, Senigallia, 0.10 329, Op, P, Pn, 03 15 03.8 -0.7, etc.

Table with columns: CTAO, Charters Tower, 33.03 264, eP, P, 02 42 06.2 +0.6, etc.

Table with columns: KARP, Karpathos, 0.67 97, eS, Pn, 03 06 27.6 -0.6, etc.

Table with columns: SENI, Senigallia, 0.10 329, Op, P, Pn, 03 15 03.8 -0.7, etc.

Table with columns: MTSU, Mount Surprise, 35.13 267, eP, P, 02 42 23.4 +0.2, etc.

Table with columns: KARP, Karpathos, 0.67 97, eS, Pn, 03 06 27.6 -0.6, etc.

Table with columns: SENI, Senigallia, 0.10 329, Op, P, Pn, 03 15 03.8 -0.7, etc.

Table with columns: COEN, Coen, 37.13 274, eP, P, 02 42 40.0 +0.4, etc.

Table with columns: KARP, Karpathos, 0.67 97, eS, Pn, 03 06 27.6 -0.6, etc.

Table with columns: SENI, Senigallia, 0.10 329, Op, P, Pn, 03 15 03.8 -0.7, etc.

Table with columns: STKA, Stephens Creek, 37.37 244, eP, P, 02 42 42.0 +0.6, etc.

Table with columns: KARP, Karpathos, 0.67 97, eS, Pn, 03 06 27.6 -0.6, etc.

Table with columns: SENI, Senigallia, 0.10 329, Op, P, Pn, 03 15 03.8 -0.7, etc.

Table with columns: STKA, Stephens Creek, 37.37 244, eP, P, 02 42 41.9 +0.5, etc.

Table with columns: KARP, Karpathos, 0.67 97, eS, Pn, 03 06 27.6 -0.6, etc.

Table with columns: SENI, Senigallia, 0.10 329, Op, P, Pn, 03 15 03.8 -0.7, etc.

Table with columns: STKA, Stephens Creek, 37.37 244, eP, P, 02 42 40.0 +0.6, etc.

Table with columns: KARP, Karpathos, 0.67 97, eS, Pn, 03 06 27.6 -0.6, etc.

Table with columns: SENI, Senigallia, 0.10 329, Op, P, Pn, 03 15 03.8 -0.7, etc.

Table with columns: BBOO, Buckleboob, 44.13 243, eP, P, 02 43 19.1 -0.4, etc.

Table with columns: KARP, Karpathos, 0.67 97, eS, Pn, 03 06 27.6 -0.6, etc.

Table with columns: SENI, Senigallia, 0.10 329, Op, P, Pn, 03 15 03.8 -0.7, etc.

Table with columns: AS31, Alice Springs, 44.07 257, eP, P, 02 43 34.9 +0.2, etc.

Table with columns: KARP, Karpathos, 0.67 97, eS, Pn, 03 06 27.6 -0.6, etc.

Table with columns: SENI, Senigallia, 0.10 329, Op, P, Pn, 03 15 03.8 -0.7, etc.

Table with columns: ASAR, Alice Springs, 44.07 257, eP, P, 02 43 34.7 0.0, etc.

Table with columns: KARP, Karpathos, 0.67 97, eS, Pn, 03 06 27.6 -0.6, etc.

Table with columns: SENI, Senigallia, 0.10 329, Op, P, Pn, 03 15 03.8 -0.7, etc.

Table with columns: ASAR, Alice Springs, 44.07 257, eP, P, 02 43 34.7 0.0, etc.

Table with columns: KARP, Karpathos, 0.67 97, eS, Pn, 03 06 27.6 -0.6, etc.

Table with columns: SENI, Senigallia, 0.10 329, Op, P, Pn, 03 15 03.8 -0.7, etc.

Table with columns: Name, Azimuth, Altitude, Azimuth Error, Altitude Error, Station, Azimuth, Altitude, Azimuth Error, Altitude Error, Station. Includes stations like MAIM Mastiano, GBRs Gornja Briga, JAVS Javornik, BOJS Bojanci, etc.

Table with columns: Name, Azimuth, Altitude, Azimuth Error, Altitude Error, Station, Azimuth, Altitude, Azimuth Error, Altitude Error, Station. Includes stations like LPGA La Plagne, LPGA La Plagne, VSL Villasalto, etc.

Table with columns: Code, Station Name, Azimuth, Altitude, Azimuth Error, Altitude Error, Station, Azimuth, Altitude, Azimuth Error, Altitude Error, Station. Includes stations like TWF1 Yuli, YULB Yu-li, CHKT Chengkung, etc.

NIED 02 03:16:00.23:40N:121:60E, h35km, Mw5.3 Best double couple: Ms9.780000\*10^16 NP1:39.000000, delta.000000, lambda.98.000000, NP2:39.000000, delta.10.000000, lambda.37.000000, BUJ 02 03:16:50.5:23:44N:121:51E, h9km, mB5.1/38, mb4.8/56, ML5.1/9, Ms5.1/66, Ms7.5/161, ISC/JB 02 03:16:53.6:0.2:23:30N:121:59E:0:01, h45km, 1km, mb5.2/221, MS4.9/57, Error ellipse: s-maj=2.4km, min=1.6km az=41.6, NEIC 02 03:16:53.3:23:28N:121:60E, h30km, mb5.3/92, MW5.1, MW5.1(USGS), Moment Tensor Solution, s29 Moment tensor: Scale 10^19Nm; Mr:5.82; Mw:1.76; M0:4.06; M0:44; Ms:2.64; Ms:1.19; Best double couple: Ms5.900000\*10^16 NP1:31.000000, delta.1.000000, lambda.87.000000, NP2:32.000000, delta.39.000000, lambda.94.000000, Principal axes: T 5.9600, Plg83.0000, Azm279.0000; N -0.0400, Plg2.0000, Azm32.0000; P -5.9200, Plg6.0000, Azm122.0000; After TAP, NEIC Felt at Chang-hua, Nan-tou, Taipei and T'ao-yuan. Also felt at Fuzhou, China. Recorded [5 TAP] in Tai-lung; [4 TAP] in Hua-lien; [3 TAP] in Tai-chung; [2 TAP] in Chang-hua, Hsin-chu, I-lan, Kao-hsiung, P'eng-hu, Tai-nan and Yun-lin; [1 TAP] in Ping-tung, Taiwan. TAP 02 03:16:54.2:23:34N:121:49E, h32km, ML5.7, 6, JMA 02 03:16:54.0:2:23:35N:121:60E, h82km, M5.2, IDC 02 03:16:55.6:1.6:23:28N:121:46E, h50km, 14km, mb4.7/26, mb1.4/29, mb1mx4.7/32, mbtmp4.7/29, ML4.2/3, MS4.7/22, Ms1.4/722, ms1mx4.4/33, Error ellipse: s-maj=14.6km s-min=9.0km az=68.0, MOS 02 03:16:56.0:0.9:23:36N:121:66E, h67km, mb5.5/82, MS5.1/30, Error ellipse: s-maj=7.7km s-min=3.9km

az=121.2, DJA 02 03:16:56.23:39N:121:75E, h49km, mb5.3/46, GCMT 02 03:16:56.2:0.2:23:27N:121:52E, h30km, MW5.3, Moment Tensor Solution, s65.c104; s73.c124; Moment tensor: Scale 10^17Nm; Mr:0.00; Mw:0.00; M0:0.00; M0:0.00; M0:0.00; Best double couple: Ms1.000000\*10^17 NP1:223.000000, delta.000000, lambda.177.000000, NP2:39.000000, delta.53.000000, lambda.67.000000, Principal axes: T 0.9400, Plg71.0000; Azm221.0000; N 0.1300, Plg18.0000; Azm23.0000; P -1.0600, Plg6.0000; Azm114.0000; Data Used: II IU IC G CN, SZGRF 02 03:17:00.1:25:48N:122:64E, h33km, mB5.5, MS4.9, Taiwan region

ISC 02 03:16:54.1:0.3:23:31N:121:57E:0:01, h34km, 1km, h27km, 32km, pp-P, n794, s115/842, mb5.2/221, MS4.9/57, 145C-29D, Taiwan

Table with columns: Code, Station Name, Azimuth, Altitude, Azimuth Error, Altitude Error, Station, Azimuth, Altitude, Azimuth Error, Altitude Error, Station. Includes stations like TWF1 Yuli, YULB Yu-li, CHKT Chengkung, etc.



Table with columns: STT, Name, Value, Unit, P, S, D, Time, Diff. Includes stations like Nanjiang, ILA, TWP, HEN, HENGCHUN, etc.

Table with columns: QIZ, Name, Value, Unit, P, S, D, Time, Diff. Includes stations like QIZ, Qiongzong, Nakatsue, etc.

Table with columns: HHC, Name, Value, Unit, P, S, D, Time, Diff. Includes stations like HHC, MAJO, Matusushiro, etc.









2d 4h

Table of station data for the 2d 4h period, including station names, coordinates, and various parameters like pmax and pmin.

2008 DEC 9439 314

Main table of station data for 2008 DEC 9439 314, listing station names, codes, and various parameters.

2008 DEC 9439 314

Table of station data for 2008 DEC 9439 314, including station names, coordinates, and various parameters.





Table of astronomical observations for 2d 5h, listing objects like GNI, GNI, GNI, etc., with associated coordinates and magnitudes.

Table of astronomical observations for 2008 DEC, listing objects like CDF, CDF, CDF, etc., with associated coordinates and magnitudes.

Table of astronomical observations for 2008 DEC, listing objects like CAF, RJJ, RJJ, etc., with associated coordinates and magnitudes.

ISCJB 02 05:47:02.9±0.3, 37:75S±0.03; 176:38E±0.06, h203km±2km, mb4.4/11, Error ellipse: s-maj=7.3km s-min=5.4km az=174.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res, h, m, s, Res, listing various stations and their characteristics.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PUK Puketiti, TWZ Taurewa, OTV Otutere, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MVSF Nonavsu, AFI Afiamalu, PMG Port Moresby, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PETK comp=E.44nm, 19.0s, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SMY Shemya, BKI Bering, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BAYA Yate Dam, RUS Russkaya, etc.

ISK 02 06:37:51.7, 39.47N, 26.07E, h5km, MD2.7
DDA 02 06:37:52.8, 39.53N, 26.04E, h6km, MD2.8
CSEM 02 06:37:53.2, 0.7, 39.49N, 26.02E, h10km, MD2.7, Error

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like BOZC Bozcaada, EZN Ezine, GADA Gvigeada, etc.

B/JJ 02 07:04:24.6, 1.41, 85N, 83.39E, h14km, ML3.2/5
NCC 02 07:05:24.7, 1.7, 43.07N, 94.86E, h0km, mb3.8, mpv3.6,
2C-2D, Error ellipse: s-maj=94.8km s-min=33.9km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like MK31 Makanchi Array, KSH Kashi, KURK Kurchatov, etc.

IDC 02 07:34:17.1, 2.0, 15.27S x 173.38W, h0km, mb3.6/5,
mb1 4.0/6, mb1mx3.8/18, mbtmp3.5/6, Error ellipse:
s-maj=118.9km s-min=20.4km az=50.0, Tonga Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like AFI Afiamalu, WRA Warramunga Arr, ASAR Alice Springs, etc.

ISCJB 02 07:38:38.4, 0.8, 27.3N, 0.1, 88.19E, 0.07, h10km, mb3.6/9,
Error ellipse: s-maj=16.8km s-min=6.1km az=25.5
IDC 02 07:38:39.3, 1.0, 27.40N, 88.00E, h0km, mb3.7/5,
mb1 3.8/10, mb1mx3.6/26, mbtmp3.6/10, ML4.6/1, Error

ellip: s-maj=37.5km s-min=19.3km az=60.0
ISC 02 07:38:40.7, 0.8, 27.3N, 0.1, 88.3E, 0.1, h10km, n12,
+092/16, mb3.6/9, Sikkim

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like GTK Gangtok, SHL Shillong, MKAR Makanchi Array, etc.

GUC 02 07:40:45.2, 0.7, 34.14S, 71.99W, h33km, 4km, MD3.8,
ML3.1, 5C-4D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like LNV Longovio, CHCH Chadas Angostu, IHA Instituto Hidir, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like CLCH Cerro Calan, ROCH El Roble, SJCH San Jose de Ma, etc.

NEIC 02 07:53:05.5, 19.95N, 64.33W, h62km, MD3.5 (RSPR),
After RSPR.
RSPR 02 07:53:05.5, 19.95N, 64.33W, h62km, 10km, MD3.5/6,
18C-6D, Virgin Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like TBVI Tortola, STVI Saint Thomas, MTP Monte Pirata, etc.

GUC 02 07:29:27.9, 0.8, 34.04S, 70.11W, h20km, 3km, MD3.6,
ML2.4, 3C-5D, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like LMEL Las Melosas, CACH El Canelo, San Jose de Ma, etc.

NEIC 02 09:04:23.9, 0.4, 1.97N, 127.29E, h35km, mb4.5/3, Error
ellipse: s-maj=14.8km s-min=6.8km az=79.0
IDC 02 09:04:25.8, 2.7, 1.92N, 127.19E, h52km, 24km, mb3.9/11,
mb1 4.1/13, mb1mx3.9/20, mbtmp3.9/13, ML4.1/2, MS3.9/2,
Ms1 3.9/2, ms1mx2.8/32, Error ellipse: s-maj=27.4km

ISCJB 02 09:04:26.9, 1.0, 1.89N, 0.05, 127.11E, 0.07, h82km, 9km,
mb4.4/20, Error ellipse: s-maj=11.6km s-min=8.2km
az=160.0
DJA 02 09:04:33.1, 1.15N, 126.74E, h10km, MLV4.2/5
ISC 02 09:04:27.4, 1.0, 1.90N, 0.05, 127.19E, 0.07, h68km, 9km,
n49, +077/55, mb4.4/20, Halmahera

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like KAPI Kappang, KAPI Kappang, FITZ Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like CMAR Chiang Mai Arr, CMAR Fort, KMBL Kambalda, etc.

ISCJB 02 09:54.8, 1.2, 2.49S, 0.03, 140.12E, 0.04, h15km, 7km,
mb4.8/42, MS3.9/13, Error ellipse: s-maj=6.2km
Wentz=4.8km Wentz=163.8
IDC 02 09:54.0, 0.7, 2.55S, 139.97E, h0km, mb4.5/11,
mb1 4.6/14, mb1mx4.5/18, mbtmp4.5/14, ML4.1/3, MS3.7/13,
Ms1 3.7/13, ms1mx3.5/24, Error ellipse: s-maj=17.9km
s-min=8.8km az=102.0
MOS 02 09:55.0, 0.8, 2.51S, 140.11E, h30km, mb4.9/16, Error
ellipse: s-maj=16.0km s-min=8.2km az=112.4
DJA 02 09:55.6, 2.48S, 140.19E, h10km, mb4.8/14,
B/JJ 02 09:55.7, 1.2, 60S, 140.28E, h44km, mb5.0/14, mb5.0/27,
Ms4.8/9, Ms7.4/5/11
NEIC 02 09:55.9, 1.4, 2.50S, 140.07E, h40km, 14km, mb4.9/20,
Error ellipse: s-maj=9.7km s-min=7.5km az=71.0
NEIC Feil [IV] at Genyem and [III] at Genyem and Sentani.
ISC 02 09:59.4, 1.5, 2.53S, 0.03, 140.04E, 0.05, h32km, 10km,
h36km, 2.2km, pP-P, n151, e123/153, MB4.8/41, MS3.9/13,
3C-1D, Near north coast of Irian Jaya

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like JAY Jayapura, SMPI Sarmi, PMG Port Moresby, etc.

Table with columns: Station Name, Time, Res, and various status indicators. Includes stations like KAPPI, FITZ, HNR, STKA, CMA, etc.

Table with columns: Station Name, Time, Res, and various status indicators. Includes stations like CD2, CN2, RPZ, HHC, etc.

Table with columns: Station Name, Time, Res, and various status indicators. Includes stations like SDV, WRA, ASAR, MKAR, etc.









IEPA	945nm,0.1s,SNR=7.9	Lg	11 49 00.1	RJF	19nm,0.2s,SNR=1.0	eSg	Sg	11 50 07.9 +1.1	ECAL	4.3nm,0.3s,SNR=7.9	Lg	11 51 05.6	
IPRE	71nm,0.3s,SNR=18	Pg	11 48 52.4 -0.5	RJF	Les Rejaudoux	2.67 42	Pn	11 49 23.3 +0.3	EPON	Pontenova	4.48 272	Pn	11 49 48.9 +0.9
IPRE	443nm,0.3s,SNR=5.0	Lg	11 48 59.8	RJF			Pn	11 49 55.0 +0.2	EPON	0.4nm,0.1s,SNR=7.9	Sn	11 50 38.6 -0.9	
IPRE	71nm,0.3s,SNR=18	Pg	11 48 52.4 -0.5	RJF	9.6nm,0.2s	2.67 42	ePn	11 49 23.3 +0.3	EPON	Pontenova	4.48 272	Pn	11 49 48.9 +1.0
IPRE	443nm,0.3s,SNR=5.0	Lg	11 48 59.8	RJF	SNR=1.0		Pn	11 49 55.0 +0.2	EPON	0.4nm,0.1s,SNR=7.9	Sn	11 50 38.6 -0.9	
IUNC	Unciti	Pg	11 48 54.5 -0.1	RJF	SNR=1.0	eSg	Sg	11 49 57.9 +1.1	AVF	Avril sur Loir	4.63 40	ePn	11 49 51.0 +1.1
IUNC	100nm,0.2s,SNR=18	Lg	11 49 03.1	CAF	9.6nm,0.2s,SNR=1.0	2.72 53	ePn	11 49 24.6 +0.9	AVF	SNR=1.0	eSg	11 50 42.2 -0.8	
IUNC	669nm,0.2s,SNR=19	Lg	11 49 03.1	CAF	SNR=1.0	eSg	Sg	11 49 55.7 -0.3	AVF	9.4nm,0.4s,SNR=1.0	eSg	11 51 09.8 +0.3	
IUNC	100nm,0.2s,SNR=18	Pg	11 48 54.5 -0.1	CAF	19nm,0.2s	2.72 53	Pn	11 49 24.6 +0.9	AVF	Avril sur Loir	4.63 40	Pn	11 49 51.0 +1.1
EARA	Aranguren	Lg	11 49 03.2	CAF	Calviac	2.72 53	Pn	11 49 55.7 -0.3	AVF	SNR=1.0	eSg	11 50 42.2 -0.8	
EARA	63nm,0.1s,SNR=18	Lg	11 49 03.2	CAF			Pn	11 50 09.4 +1.0	AVF	4.7nm,0.4s	ePn	11 49 51.0 +1.1	
EARA	181nm,0.1s,SNR=11	Pg	11 48 54.7 -0.3	CAF	9.4nm,0.2s	2.72 53	ePn	11 49 24.6 +0.9	AVF	Avril sur Loir	4.63 40	Pn	11 49 51.0 +1.1
EARA	63nm,0.1s,SNR=18	Lg	11 49 03.2	CAF	Calviac	2.72 53	Pn	11 49 55.7 -0.3	AVF	SNR=1.0	eSg	11 50 42.2 -0.8	
EARA	181nm,0.1s,SNR=11	Lg	11 49 03.2	CAF			Pn	11 50 09.4 +1.0	AVF	4.7nm,0.4s,SNR=1.0	eSg	11 51 09.8 +0.3	
LABF	Labassere	Pg	11 48 57.1 -0.4	CFON	Fontmartina	2.99 121	Pn	11 49 29.8 +2.4	HYF	Humbigny	4.69 32	ePn	11 49 51.7 +0.9
LABF	0.84 110	Pg	11 48 57.1 -0.4	CFON	10.0nm,0.2s,SNR=16		Pn	11 50 04.1 +1.4	HYF	SNR=1.0	eSg	11 50 42.5 -2.1	
LABF	0.84 110	Pg	11 48 57.1 -0.4	CFON	9.7nm,0.1s,SNR=46		Lg	11 50 15.4	HYF	Humbigny	4.69 32	Pn	11 49 51.7 +0.9
VIEF	Vief	Pg	11 48 57.7 -0.5	CFON	84nm,0.3s,SNR=5.0	2.99 121	Pn	11 49 29.8 +2.4	HYF	SNR=1.0	eSg	11 51 10.5	
VIEF	0.88 121	Pg	11 48 57.7 -0.5	CFON	Fontmartina	2.99 121	Pn	11 49 29.8 +2.4	HYF	Humbigny	4.69 32	ePn	11 49 51.7 +0.9
VIEF	0.88 121	Pg	11 48 57.7 -0.5	CFON	10.0nm,0.2s,SNR=16		Pn	11 50 04.1 +1.4	HYF	SNR=1.0	eSg	11 51 10.5	
VIEF	1.03 107	ePn	11 49 00.7 -0.4	CFON	9.7nm,0.1s,SNR=46		Lg	11 50 15.4	HYF	Humbigny	4.69 32	ePn	11 49 52.3 +1.2
EPF	Esparrros	eSg	11 49 15.2 +0.6	CFON	84nm,0.3s,SNR=5.0		Lg	11 50 15.4	ETOB	Tobarra	4.71 185	Pn	11 49 52.3 +1.2
EPF	SNR=1.0	eSg	11 49 15.2 +0.6	CFON	Fontmartina	2.99 121	Pn	11 49 29.8 +2.4	ETOB	3.0nm,0.2s,SNR=7.9	Sn	11 50 43.0 -2.1	
EPF	77nm,0.3s,SNR=1.0	Pn	11 48 59.9 -0.6	CFON	9.7nm,0.1s,SNR=46		Lg	11 50 15.4	ETOB	0.5nm,0.3s,SNR=7.9	Lg	11 51 07.8	
EPF	SNR=1.0	Pn	11 49 00.7 -0.4	CFON	84nm,0.3s,SNR=5.0		Lg	11 50 16.9	ETOB	1.2nm,0.3s,SNR=7.9	Pn	11 49 52.3 +1.3	
EPF	38nm,0.3s	Lg	11 49 15.2	CFON	EJON La Jonquera	3.00 106	Pn	11 49 29.5 +2.0	ETOB	3.0nm,0.2s,SNR=7.9	Sn	11 50 43.0 -2.1	
EPF	Esparrros	ePn	11 48 59.9 -0.6	CFON	1.0nm,0.1s,SNR=7.9		Pn	11 49 29.5 +2.0	ETOB	0.5nm,0.3s,SNR=7.9	Lg	11 51 07.8	
EPF	SNR=1.0	ePn	11 49 00.7 -0.4	CFON	1.5nm,0.1s,SNR=7.9		Lg	11 50 16.9	ETOB	1.2nm,0.3s,SNR=7.9	Pn	11 49 52.3 +1.3	
EPF	38nm,0.3s,SNR=1.0	Lg	11 49 15.2	CFON	EJON La Jonquera	3.00 106	Pn	11 49 29.5 +2.0	ETOB	3.0nm,0.2s,SNR=7.9	Sn	11 50 43.0 -2.1	
EBIE	Bielsa	Pg	11 49 01.2 -0.6	CFON	1.0nm,0.1s,SNR=7.9		Pn	11 49 29.5 +2.0	ETOB	0.5nm,0.3s,SNR=7.9	Lg	11 51 07.8	
EBIE	11nm,0.1s,SNR=18	Lg	11 49 13.8	CFON	1.5nm,0.1s,SNR=7.9		Lg	11 50 16.9	ETOB	1.2nm,0.3s,SNR=7.9	Pn	11 49 52.3 +1.3	
EBIE	33nm,0.1s,SNR=7.9	Pg	11 49 01.2 -0.5	CFON	2.3nm,0.1s,SNR=7.9		Pn	11 49 29.2 +1.7	ETOB	3.0nm,0.2s,SNR=7.9	Sn	11 50 43.0 -2.1	
EBIE	11nm,0.1s,SNR=18	Lg	11 49 13.8	CFON	1.0nm,0.1s,SNR=7.9		Pn	11 49 29.5 +2.0	ETOB	0.5nm,0.3s,SNR=7.9	Lg	11 51 07.8	
EBIE	33nm,0.1s,SNR=7.9	Lg	11 49 13.8	CFON	1.5nm,0.1s,SNR=7.9		Lg	11 50 16.9	ETOB	1.2nm,0.3s,SNR=7.9	Pn	11 49 52.3 +1.3	
RESF	Ens	Pn	11 49 02.4 +0.7	EMOS	2.3nm,0.1s,SNR=7.9	3.00 172	Pn	11 49 29.2 +1.7	SMF	Signal de Mont	4.77 44	ePn	11 49 51.5 -0.3
RESF	1.12 118	Pn	11 49 02.4 +0.7	EMOS	Mosqueruela	0.7nm,0.1s,SNR=12	Pg	11 49 36.5 -2.1	SMF	Signal de Mont	4.77 44	ePn	11 49 51.5 -0.3
RESF	Ens	Pn	11 49 02.4 +0.7	EMOS	0.7nm,0.1s,SNR=12		Pg	11 49 36.5 -2.1	SMF	SNR=1.0	ePn	11 49 51.5 -0.3	
MELF	Melles	Pg	11 49 06.3 -1.3	EMOS	1.5nm,0.1s,SNR=9.7		Lg	11 50 17.2 -0.3	SMRF	Simiane la Rot	4.81 80	ePn	11 49 53.8 +1.3
MELF	1.37 109	Pg	11 49 06.3 -1.3	EMOS	3.1nm,0.1s,SNR=6.9		Sg	11 50 10.3 -0.4	SMRF	Simiane la Rot	4.81 80	ePn	11 49 53.8 +1.3
MELF	Melles	Pg	11 49 06.3 -1.3	EMOS	6.5nm,0.1s,SNR=5.0	3.00 172	Pn	11 49 29.2 +1.6	SMRF	SNR=1.0	ePn	11 49 53.8 +1.3	
MELF	1.37 109	Pg	11 49 06.3 -1.3	EMOS	Mosqueruela	0.7nm,0.1s,SNR=12	Pg	11 49 36.5 -2.1	SMRF	Simiane la Rot	4.81 80	ePn	11 49 53.8 +1.3
ESAC	San Caprasio	Pn	11 49 09.9 +0.7	EMOS	0.2nm,0.1s,SNR=12		Sn	11 49 29.3 +0.8	QUIF	Quistic	4.82 342	ePn	11 49 53.0 +0.5
ESAC	8.2nm,0.1s,SNR=13	Pg	11 49 11.9 -1.2	EMOS	2.3nm,0.2s		Pn	11 50 05.2 +0.6	QUIF	8.1nm,0.3s,SNR=1.0	eSg	11 50 44.7 -3.1	
ESAC	91nm,0.2s,SNR=29	Lg	11 49 33.4	EMOS	Arrindons	3.07 271	Pn	11 49 29.3 +0.8	QUIF	4.1nm,0.3s	eSg	11 49 53.0 +0.5	
ESAC	227nm,0.3s,SNR=16	Lg	11 49 09.9 +0.7	EMOS	0.2nm,0.1s,SNR=12		Sn	11 50 05.2 +0.6	QUIF	Quistic	4.82 342	ePn	11 49 53.0 +0.5
ESAC	San Caprasio	Pn	11 49 09.9 +0.7	EMOS	2.3nm,0.2s		Pn	11 49 29.3 +0.8	QUIF	SNR=1.0	eSg	11 50 44.7 -3.1	
SALF	Salau	Pn	11 49 11.0 +1.2	MFF	Saint Martin d	3.32 10	ePn	11 49 32.9 +1.0	QUIF	4.1nm,0.3s	eSg	11 50 44.7 -3.1	
SALF	1.71 109	Pn	11 49 11.0 +1.2	MFF	SNR=1.0		Pn	11 49 32.9 +1.0	QUIF	SNR=1.0	eSg	11 50 44.7 -3.1	
SALF	Salau	Pn	11 49 11.0 +1.2	MFF	2.3nm,0.2s		Pn	11 50 10.3 -0.4	QUIF	4.1nm,0.3s,SNR=1.0	eSg	11 50 44.7 -3.1	
SALF	1.71 109	Pn	11 49 11.0 +1.2	MFF	Saint Martin d	3.32 10	ePn	11 49 32.9 +1.0	QUIF	SNR=1.0	eSg	11 50 44.7 -3.1	
ELAN	Lanestosa	Pn	11 49 13.5 +2.8	MFF	SNR=1.0		Pn	11 50 10.3 -0.4	QUIF	4.1nm,0.3s	eSg	11 50 44.7 -3.1	
ELAN	0.5nm,0.2s,SNR=12	Lg	11 49 15.6 +0.3	MFF	22nm,0.3s,SNR=1.0	3.32 10	Pn	11 49 32.9 +1.0	QUIF	SNR=1.0	eSg	11 50 44.7 -3.1	
ELAN	3.9nm,0.2s,SNR=20	Lg	11 49 37.6	MFF	11nm,0.3s		Lg	11 50 27.9	QUIF	4.1nm,0.3s,SNR=1.0	eSg	11 50 44.7 -3.1	
ELAN	11nm,0.2s,SNR=9.6	Lg	11 49 37.6	MFF	Saint Martin d	3.32 10	ePn	11 49 32.9 +1.0	QUIF	SNR=1.0	eSg	11 50 44.7 -3.1	
ELAN	Lanestosa	Pn	11 49 13.5 +2.8	MFF	SNR=1.0		Pn	11 50 10.3 -0.4	QUIF	4.1nm,0.3s,SNR=1.0	eSg	11 50 44.7 -3.1	
ELAN	0.5nm,0.2s,SNR=12	Lg	11 49 15.6 +0.3	MFF	22nm,0.3s,SNR=1.0	3.32 10	Pn	11 49 32.9 +1.0	QUIF	SNR=1.0	eSg	11 50 44.7 -3.1	
CSOR	Sort	Pg	11 49 14.9 -1.7	MFF	11nm,0.3s		Lg	11 50 27.9	QUIF	4.1nm,0.3s,SNR=1.0	eSg	11 50 44.7 -3.1	
CSOR	1.5nm,0.1s,SNR=22	Lg	11 49 39.2	MFF	Saint Martin d	3.32 10	ePn	11 49 32.9 +1.0	QUIF	SNR=1.0	eSg	11 50 44.7 -3.1	
CSOR	70nm,0.3s,SNR=5.0	Pg	11 49 14.9 -1.6	MFF	11nm,0.3s,SNR=1.0	3.58 222	Pn	11 49 36.5 +1.0	QUIF	4.1nm,0.3s,SNR=1.0	eSg	11 50 44.7 -3.1	
CSOR	Sort	Pg	11 49 14.9 -1.6	MFF	11nm,0.3s,SNR=1.0	3.58 222	Pn	11 49 36.5 +1.0	QUIF	SNR=1.0	eSg	11 50 44.7 -3.1	
CSOR	1.5nm,0.1s,SNR=22	Lg	11 49 39.2	MFF	Gudarrama	1.1nm,0.2s,SNR=7.9	Pn	11 50 17.7 +0.6	QUIF	4.1nm,0.3s,SNR=1.0	eSg	11 50 44.7 -3.1	
CSOR	70nm,0.3s,SNR=5.0	Pg	11 49 14.9 -1.6	MFF	11nm,0.3s,SNR=1.0	3.58 222	Pn	11 49 36.5 +1.0	QUIF	SNR=1.0	eSg	11 50 44.7 -3.1	
LFF	La Frestale	ePn	11 49 15.8 +1.6	MFF	11nm,0.3s,SNR=1.0	3.58 222	Pn	11 49 36.5 +1.0	QUIF	4.1nm,0.3s,SNR=1.0	eSg	11 50 44.7 -3.1	
LFF	2.03 38	ePn	11 49 15.8 +1.6	MFF	Gudarrama	1.1nm,0.2s,SNR=7.9	Pn	11 50 17.7 +0.6	QUIF	SNR=1.0	eSg	11 50 44.7 -3.1	
LFF	La Frestale	ePn	11 49 15.8 +1.6	MFF	11nm,0.3s,SNR=1.0	3.58 222	Pn	11 49 36.5 +1.0	QUIF	4.1nm,0.3s,SNR=1.0	eSg	11 50 44.7 -3.1	
LFF	2.03 38	ePn	11 49 15.8 +1.6	MFF	Gudarrama	1.1nm,0.2s,SNR=7.9	Pn	11 50 17.7 +0.6	QUIF	SNR=1.0	eSg	11 50 44.7 -3.1	
LFF	La Frestale	ePn	11 49 15.8 +1.6	MFF	11nm,0.3s,SNR=1.0	3.58 222	Pn	11 49 36.5 +1.0	QUIF	4.1nm,0.3s,SNR=1.0	eSg	11 50 44.7 -3.1	
LFF	2.03 38	ePn	11 49 15.8 +1.6	MFF	Gudarrama	1.1nm,0.2s,SNR=7.9	Pn	11 50 17.7 +0.6	QUIF	SNR=1.0	eSg	11 50 44.7 -3.1	
LFF	La Frestale	ePn	11 49 15.8 +1.6	MFF	11nm,0.3s,SNR=1.0	3.58 222	Pn	11 49 36.5 +1.0	QUIF	4.1nm,0.3s,SNR=1.0	eSg	11 50 44.7 -3.1	
LFF	2.03 38	ePn	11 49 15.8 +1.6	MFF	Gudarrama	1.1nm,0.2s,SNR=7.9	Pn	11 50 17.7 +0.6	QUIF	SNR=1.0	eSg	11 50 44.7 -3.1	
LFF	La Frestale	ePn	11 49 15.8 +1.6	MFF	11nm,0.3s,SNR=1.0	3.58 222	Pn	11 49 36.5 +1.0	QUIF	4.1nm,0.3s,SNR=1.0	eSg	11 50 44.7 -3.1	
LFF	2.03 38	ePn	11 49 15.8 +1.6	MFF	Gudarrama	1.1nm,0.2s,SNR=7.9	Pn	11 50 17.7 +0.6	QUIF	SNR=1.0	eSg	11 50 44.7 -3.1	
LFF	La Frestale	ePn	11 49 15.8 +1.6	MFF	11nm,0.3s,SNR=1.0	3.58 222	Pn	11 49 36.5 +1.0	QUIF	4.1nm,0.3s,SNR=1.0	eSg	11 50 44.7 -3.1	
LFF	2.03 38	ePn	11 49 15.8 +1.6	MFF	Gudarrama	1.1nm,0.2s,SNR=7.9	Pn	11 50 17.7 +0.6	QUIF	SNR=1.0	eSg	11 50 44.7 -3.1	
LFF	La Frestale	ePn	11 49 15.8 +1.6	MFF	11nm,0.3s,SNR=1.0	3.58 222	Pn	11 49 36.5 +1.0	QUIF	4.1nm,0.3s,SNR=1.0	eSg	11 50 44.7 -3.1	
LFF	2.03 38	ePn	11 49 15.8 +1.6	MFF	Gudarrama	1.1nm,0.2s,SNR=7.9	Pn	11 50 17.7 +0.6	QUIF	SNR=1.0	eSg	11 50 44.7 -3.1	
LFF	La Frestale	ePn	11 49 15.8 +1.6	MFF	11nm,0.3s,SNR=1.0	3.58 222	Pn	11 49 36.5 +1.0	QUIF	4.1nm,0.3s,SNR=1.0	eSg	11 50 44.7 -3.1	
LFF	2.03 38	ePn	11 49 15.8 +1.6	MFF	Gudarrama	1.1nm,0.2s,SNR=7.9	Pn	11 50 17.7 +0.6	QUIF	SNR=1.0	eSg	11 50 44.7 -3.1	
LFF	La Frestale	ePn	11 49 15.8 +1.6	MFF	11nm,0.3s,SNR=1.0	3.58 2							

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like POLO Lamas de Olo, FLN La Foliniere, LMR La Moure, etc.

CSEM 02 11:57:06.9-0.1, 40:57N-24:66E, h10km, ML2.5/8, Error ellipse: s-maj=5.4km s-min=2.4km az=7.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KAVA Kavala, OUR Ouranopolis, RDO Rodhopi, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GELI Tayfur-Gelibol, ERIK Eriki-Kesan, FURC Furnace Creek, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SWSC Sam W. Stewart, BAR bar=3.3, SAO San Andreas Ge, etc.

IDC 02 12:28:19.1±1.5, 13:42N-120:86E, h0km, mb3.4/3, mb1.3/3, mb1mx3.3/2.1, mb1mx3.4/3, Error ellipse: s-maj=82.2km s-min=14.4km az=85.0, Mindoro

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TGY Tagaytay City, WRA Warramunga Arr, SONM Songino Array, etc.

BJI 02 12:31:36.6, 19:00N-146:31E, h121km, mB5.3/35, mb5.1/59

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

CBJ Chichi jima, 8.54 338 P, comp=2.19m, 18.3s, baz=12, slow=30

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









2d 12h

Table with columns: Station, Name, Frequency, Power, Modulation, SNR, and other technical details. Includes stations like DLBC Dease Lake, ARU Arti, and WDC Whiskeytown Da.

2008 DEC

Table with columns: Station, Name, Frequency, Power, Modulation, SNR, and other technical details. Includes stations like WDC Whiskeytown Da, HOPS Hopland, and WDC Whiskeytown Da.

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Table with columns: Station, Name, Frequency, Power, Modulation, SNR, and other technical details. Includes stations like B14A Marquette Ranc, MFID Camas Ranch, and B17A L&G Farms, Che.

D16A	Dana Ranch, Ca	84.52	42	↑	P		12 44 02.3 +0.3	comp=Z,11nm,0.4s,mb4.9	KAF	Kangasniemi	86.01	336	eP	P	12 44 06.0 -3.2	F20A	Billings	87.16	42	↑	P		12 44 14.8 -0.3
FURC	Furnace Creek,	84.56	53	↑	P		12 44 02.5 0.0	comp=Z,11nm,0.4s,mb4.9	A20A	Cobblestone Ra	86.02	39	↑	P	12 44 09.5 0.0	A22A	Carney Farms,	87.17	39	↑	P		12 44 14.4 -0.7
J14A	Carey	84.59	46	↑	P		12 44 03.2 +0.7		GMRC	Granite Mounta	86.06	55	↑	P	12 44 09.9 -0.1	K18A	Toltan Ranch,	87.21	46	↑	P		12 44 15.9 +0.5
G15A	Dillon	84.60	44	↑	P		12 44 02.5 0.0		DCID1	Drake Creek	86.06	45	eP	P	12 44 10.5 +0.7	M17A	Scully's Gap (B	87.24	47	↑	P		12 44 15.6 0.0
E16A	East Helena	84.62	43	↑	P		12 44 02.8 +0.2		BELC	Belle Mtn. Jos	86.07	55	↑	P	12 44 09.7 -0.3	DAU	Daniels Canyon	87.24	48	eP	P		12 44 15.9 +0.3
BFSO	Mount Baldy Ra	84.69	56	↑	P		12 44 02.6 -0.6		RR12	Red Ridge	86.07	45	eP	P	12 44 10.3 +0.5	DAU							12 44 51.4 +2.4
H15A	Lima	84.70	45	↑	P		12 44 03.4 +0.3		RR12	Red Ridge	86.07	45	eP	P	12 44 10.3 +0.5	DAU							12 44 51.4 +2.4
C17A	Wharram Farm,	84.78	41	↑	P		12 44 03.1 -0.3		K16A	Soda Springs	86.08	46	↑	P	12 44 10.9 +1.0	DAU							12 44 51.4 +2.4
A18A	Metzger Ranch,	84.84	40	↑	P		12 44 03.7 +0.1		IMW	Indian Meadow	86.11	45	eP	P	12 44 10.8 +0.8	DAU							12 44 51.4 +2.4
R11A	Troy Canyon, C	84.87	51	↑	P		12 44 04.4 +0.4		MONP	Monument Peak	86.12	57	↑	P	12 44 10.2 -0.1	DAU							12 44 51.4 +2.4
OBN	Obninsk	84.91	327	eP	P		12 44 02.3 -1.5		F18A	Big Timber	86.12	43	↑	P	12 44 10.4 +0.3	DAU							12 44 51.4 +2.4
OBN							12 44 35.7 -1.4		R13A	O'Grain Ranch,	86.12	51	↑	P	12 44 10.9 +0.7	DAU							12 44 51.4 +2.4
OBN							12 54 13.2 -8.2		D19A	Cripps Ranch,	86.14	41	↑	P	12 44 10.2 +0.1	DAU							12 44 51.4 +2.4
OBN							12 59 54.4 -1.6		B20A	Solberg Farm,	86.14	40	↑	P	12 44 09.9 -0.2	DAU							12 44 51.4 +2.4
OBN									H17A	Grant Village	86.16	44	↑	P	12 44 12.2 +1.9	DAU							12 44 51.4 +2.4
OBN									N15A	Stansbury Isla	86.17	48	↑	P	12 44 10.6 +0.2	DAU							12 44 51.4 +2.4
OBN									GCMT	Greycliff	86.20	43	eP	P	12 44 10.6 +0.2	DAU							12 44 51.4 +2.4
OBN									GCMT	Flagg Ranch	86.20	45	eP	P	12 44 44.1 +0.4	DAU							12 44 51.4 +2.4
OBN									FLWY	Lake	86.20	44	eP	P	12 44 11.5 +1.1	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU							12 44 51.4 +2.4
OBN									LKWY	Lake	86.21	44	eP	P	12 44 12.9 +2.4	DAU				</			



Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like AGMN Agassiz Nation, AGMN 222A Elephant Butte, X23A Hourglass Bar, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like AMTX 227A Bennet, 426A McDonald Obser, 327A Balmorhea Ranc, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like JCT Junction City, JCT Junction City, JCT Junction City, etc.

IGQ 02 12:41:49.6, 0.98N, 79.06W, h30km, 1km, Mb4.0, Ms3.8, 4C-13D, Error ellipse: s-maj=2.6km s-min=2.2km az=46.5, Near coast of Ecuador

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like LITE, GOLV, OTAV, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like BVAR, BRVK, ZALV, etc.

Table with columns: ISRO, Mashad, IFIR, Firoozkoo, etc. Lists stations with associated codes and times.

IDC 02 13:00:44.0, 0.9, 30.97N, 56.75E, h0km, mb4.1/20, mb1.4, 2/23, mb1mx4.1/33, mbtmp4.1/23, ML4.0/3, MS3.5/1, Ms1.3, 5/1, ms1mx2.6/39, Error ellipse: s-maj=22.0km s-min=13.5km az=72.7

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

Table with columns: ISHV, IEMG, IEMG, etc. Lists stations with associated codes and times.

DJA 02 12:47:10, 1.33N, 122.19E, h10km, MLV4.2/5, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like MRSI, GTOI, KMSI, etc.

ISCJB 02 12:47:50.5, 0.7, 29.93N, 107.68E, 0.2, h10km, mb3.8/10, Error ellipse: s-maj=19.5km s-min=9.4km az=11.5

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

Table with columns: RNF, NAY, NAY, etc. Lists stations with associated codes and times.

IDC 02 12:47:51.4, 1.1, 29.92N, 67.93E, h0km, mb3.6/9, mb1.3, 8/9, mb1mx3.6/30, mbtmp3.7/9, Error ellipse: s-maj=28.6km s-min=22.1km az=84.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like KBL, KK31, etc.

NEIC 02 12:47:52.8, 0.9, 31.11N, 56.79E, h30km, mb4.4/2, Error ellipse: s-maj=22.8km s-min=13.4km az=93.0

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

Table with columns: NAY, NAY, NAY, etc. Lists stations with associated codes and times.

ISC 02 12:47:52.2, 0.7, 29.89N, 107.68E, 0.1, h10km, n27, r137/29, mb3.8/10, Pakistan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like KBL, KK31, etc.

IDC 02 12:56:55.8, 1.0, 30.08N, 67.60E, h0km, mb3.7/11, mb1.4, 0/11, mb1mx3.7/30, mbtmp3.8/11, Error ellipse: s-maj=25.0km s-min=22.3km az=60.0

NEIC 02 12:56:57.0, 0.8, 30.04N, 67.88E, h10km, mb3.8/2, Error ellipse: s-maj=14.2km s-min=12.1km az=158.0

ISCJB 02 12:57:00.0, 1.6, 30.18N, 108.67E, 0.0, h30km, mb3.8/14km, mb3.7/11, Error ellipse: s-maj=16.5km s-min=9.4km az=44.0

NNC 02 12:57:10.9, 0.5, 31.40N, 67.47E, h0km, mb3.4, Error ellipse: s-maj=61.7km s-min=41.6km az=74.0

ISC 02 12:57:00.5, 2.0, 30.10N, 107.67E, 0.1, h26km, 14km, n37, r1520/41, mb3.7/11, 6C-1D, Pakistan

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

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

Table with columns: ISRO, Mashad, IFIR, Firoozkoo, etc. Lists stations with associated codes and times.



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

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

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

BUI 02 13:18:02.7; 176N; 129.28E, h200km, mB4.7/4, mb4.5/5
ISCJB 02 13:18:12.6; 0.5, 2.62N; 0.03; 128.49E; 0.04, h218km, 4km,
mb4.4/40, Error ellipse: s-maj=7.2km s-min=4.7km
a=168.4
IDC 02 13:18:13.8; 1.3, 2.57N; 128.53E, h218km, 12km, mb3.9/18,
mb1.4/0.1, mb1.3mx3.9/24, mbtp3.9/19, Error ellipse:
s-maj=21.4km s-min=7.4km a=74.0
NEIC 02 13:18:13.6; 1.0, 2.62N; 128.62E, h217km, 9km, mb4.7/19,
Error ellipse: s-maj=9.9km s-min=4.7km az=65.0
MOS 02 13:18:15.8; 0.9, 2.57N; 128.53E, h254km, mb4.5/19, Error
ellipse: s-maj=21.0km s-min=8.4km az=116.0
DJA 02 13:18:17.2; 47N; 128.25E, h218km, MLV4.8/9
DJO 02 13:18:13.8; 0.6, 2.56N; 0.03; 128.43E; 0.05, h213km, 5km,
n138, s1910/151, mb4.4/40, 1C-2D, Halmahera

ARM A Armadale 39.57 148 eP P 13 25 24.9 +0.4
LZH Lanzhou 40.37 329 eP P 13 25 30.3 +2.0
LZH Lanzhou 40.37 329 eP P 13 25 33.0 +2.0
LZH Lanzhou 40.37 329 eP P 13 25 33.0 +2.0
LZA Lhasa 44.48 311 eP P 13 26 06.0 +1.7
LSA Lhasa 44.48 311 eP P 13 26 06.0 +1.8
LSA Lhasa 44.48 311 eP P 13 26 06.0 +1.8
GTA Gaotai 44.97 328 eP P 13 26 08.7 +0.8
GTA Gaotai 44.97 328 eP P 13 26 08.7 +0.8
TAPN Taplejung 46.07 306 eP P 13 26 17.8 +1.0
TAPN Taplejung 46.07 306 eP P 13 26 17.8 +1.0
TAPN Taplejung 46.07 306 eP P 13 26 17.8 +1.0

ISCJB 02 13:27:20.0; 0.3, 40.29N; 0.03; 29.09E; 0.03, h14km, 3km,
Error ellipse: s-maj=4.6km s-min=4.1km az=11.2
DDA 02 13:27:19.3; 40.23N; 29.10E; h5km, 3km, MD2.8
ISK 02 13:27:19.3; 40.26N; 29.08E; h18km, MD2.7
CSEM 02 13:27:20.0; 0.1, 40.27N; 29.08E; h15km, MD2.7, Error
ellipse: s-maj=2.6km s-min=2.3km az=157.0
ISC 02 13:27:20.3; 0.3, 40.29N; 0.03; 29.08E; 0.03, h17km, 3km,
n69, c87/85, Turkey

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

Table with columns: MDN, Mudanya-Bursa, 0.17 297, Pg, Pg, 13 27 24.8 +0.1, SBL5 San Blas, 2.90 305, Pn, Pn, 13 38 05.9 +0.8

ISC 02 13:36:55.7, 6.646E, 154.62E, h158km, 59km, mb3.0/3, mb1 3.3/4, mb1mx3.8/1.16, mbtmp3.1/4, Error ellipse: s-maj=99.2km s-min=28.6km az=125.0, Bougainville - Solomon Islands region

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

ISC/JB 02 13:37:20.3, 0.4, 12.15N, 0.06, 87.18W, 0.06, h17km, 7km, mb3.6/4, Error ellipse: s-maj=12.7km s-min=3.3km az=43.6

ISC 02 13:37:20.4, 1.7, 12.31N, 87.05W, h61km, 20km, mb3.4/3, mb1 3.9/5, mb1mx3.5/2.1, mbtmp3.5/5, Error ellipse: s-maj=93.0km s-min=11.9km az=42.0

NEIC 02 13:37:21.3, 0.9, 12.14N, 87.16W, h77km, 9km, mb3.6/1, Error ellipse: s-maj=26.7km s-min=8.5km az=225.0

CASC 02 13:37:21.0, 2.1, 12.18N, 87.17W, h61km, 14km, MD4.1, ML3.9, mb3.9/NEIC 02

ISC 02 13:37:21.4, 0.1, 12.17N, 0.05, 87.18W, 0.05, h65km, 7km, h47, c0579/55, mb3.6/4, Near coast of Nicaragua

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

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

ISC 02 13:45:17.5, 1.6, 16.84S, 173.72W, h0km, mb3.6/6, mb1 3.9/7, mb1mx3.8/1.7, mbtmp3.7/7, ML2.5/1, Error ellipse: s-maj=94.4km s-min=19.9km az=144.0

ISC/JB 02 13:45:21.2, 3.3, 16.3S, 0.2, 174.1W, 0.2, h41km, 23km, mb3.6/6, Error ellipse: s-maj=42.8km s-min=17.3km az=138.0

NEIC 02 13:45:24.4, 1.7, 16.43S, 173.99W, h41km, 17km, Error ellipse: s-maj=29.0km s-min=11.3km az=134.0

ISC 02 13:45:24.2, 1.6, 16.43S, 174.00W, 0.2, h36km, 22km, n18, c087/18, mb3.6/6, Tonga Islands

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

ISC/JB 02 13:48:29.3, 0.7, 38.71N, 0.06, 35.75E, 0.04, h3km, 10km, Error ellipse: s-maj=9.6km s-min=5.0km az=12.4

CSEM 02 13:48:29.0, 3.9, 38.70N, 35.77E, h2km, MD3.0, Error ellipse: s-maj=7.3km s-min=4km az=21.0

ISK 02 13:48:29.5, 38.74N, 35.75E, h10km, MD3.0, DDA 02 13:48:29.9, 38.79N, 35.71E, h7km, 5km, MD3.1

ISC 02 13:48:29.5, 0.8, 38.69N, 0.06, 35.76E, 0.04, h1km, 10km, n20, c084/29, Turkey

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

ISC 02 14:17:30.8, 3.6, 3.90N, 95.59E, h0km, mb3.4/2, mb1 3.6/3, mb1mx3.3/2.4, mbtmp3.4/3, Error ellipse: s-maj=133.3km s-min=31.7km az=61.0, Off west coast of northern Sumatra

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

ISC/JB 02 14:40:17.6, 0.7, 50.89N, 0.06, 157.3E, 0.1, h76km, 6km, mb3.7/11, Error ellipse: s-maj=14.8km s-min=5.3km az=45.0

MOS 02 14:40:17.2, 1.1, 51.00N, 157.17E, h73km, mb4.1/7, Error ellipse: s-maj=21.8km s-min=8.4km az=71.0

ISC 02 14:40:17.7, 0.7, 51.06N, 157.11E, h57km, 6km, mb3.5/10, mb1 3.8/11, mb1mx3.5/2.6, mbtmp3.5/11, Error ellipse: s-maj=23.8km s-min=14.1km az=146.0

RKSC 02 14:40:18.6, 0.9, 50.87N, 158.11E, h38km, 42km, ML4.7, NEIC 02 14:40:18.1, 0.5, 50.94N, 157.14E, mb4.2/3, Error ellipse: s-maj=14.0km s-min=8.5km az=130.0

ISC 02 14:40:18.8, 0.7, 50.90N, 0.06, 157.3E, 0.1, h68km, 6km, h61km, 2km, pp-P, n63, c1913/82, mb3.7/11, Kuril Islands

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

ISC 02 14:40:18.8, 1.7, 16.33N, 91.44W, h0km, mb3.9/4, mb1 4.3/8, mb1mx4.0/2.3, mbtmp4.0/8, ML4.0/4, MS3.7/3, Ms1 3.7/3, mb1mx3.0/2.2, Error ellipse: s-maj=37.6km s-min=25.1km az=31.0

ISC/JB 02 14:40:26.0, 2.5, 17.20N, 0.03, 91.85W, 0.04, h33km, mb3.8/8, Error ellipse: s-maj=5.8km s-min=3.7km az=45.0

MEX 02 14:40:27.0, 0.6, 17.21N, 91.74W, h42km, 26km, MD4.3



Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like DANN Dangsing, PYUN Piuthan, WMO Urumqi, etc.

Table with columns: ESO Esso, SPN Mys Shipunski, etc. Includes station codes and coordinates. Includes a section for 'MAN 02 16:27:56, 8.99N, 126.30E, h29km, mb4.1, ML2.9, MS2.6, 2C, Mindanao'.

Table with columns: BFCF Mount Baldy Ra, GMRC Granite Moun, etc. Includes station codes and coordinates. Includes a section for 'MAN 02 16:27:56, 8.99N, 126.30E, h29km, mb4.1, ML2.9, MS2.6, 2C, Mindanao'.









Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like ZALV, ARU, ARCS, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like CDF, FELD, ECH, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like WRA, ASAR, MKAR, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like GUMO, MJAR, KJAR, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like MAN, MSLP, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ERM Ermo, JAP Maruseppu, ASAJ Asahikawa, etc.

IDC 02 21:39:27.4, 1.1, 12.27N, 125.54E, h0km, mb3.8/8, mb1 3.9/8, mb1mx3.7/21, mbtbp3.8/8, MS3.0/3, Ms1 3.0/3, ms1mx2.7/37, Error ellipse: s-maj=64.3km s-min=16.4km az=61.0

MAN 02 21:39:30.12, 43N, 125.65E, h26km, mb4.9, ML3.8, MS3.8, NEIC 02 21:39:32.0, 4.1, 12.26N, 125.59E, h35km, mb4.3/3, Error ellipse: s-maj=16.6km s-min=8.3km az=52.0

ISC 02 21:39:28.7, 2.0, 12.38N, 125.06E, h107km, h107km, n26, c0975/26, mb3.9/3, 1C-1D, Samar

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CNP Catarman, PLP Palo, PVP Virac, etc.

IDC 02 21:51:56.2, 1.3, 31.46S, 177.89W, h0km, mb4.0/3, mb1 2.4/4, mb1mx3.9/16, mbtbp4.0/4, ML3.6/1, MS3.5/3, Ms1 3.5/3, ms1mx3.0/21, Error ellipse: s-maj=40.2km s-min=34.9km az=180.0

NEIC 02 21:52:01.0, 3.0, 31.57S, 177.85W, h35km, mb4.2/1, Error ellipse: s-maj=18.3km s-min=14.1km az=130.0

ISC 02 21:51:58.4, 1.1, 31.26S, 177.50W, h0.6, h35km, n28, c0623/13, mb4.0/4, MS3.6/3, Kermadec Islands region

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

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

CSEM 02 21:55:27.9, 12.06'N, 43.83'E, h5km, ML3.6, After DHMR DHMR 02 21:55:26.3, 1.5, 12.05N, 43.65E, h7km, 10km, ML3.6, 1C-1D, Western Arabian Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TRBA At Turbah, UDYN Al Udayn, etc.

IDC 02 22:14:43.4, 1.7, 7.46S, 124.22E, h0km, mb3.5/1, mb1 3.9/4, mb1mx3.6/17, mbtbp3.7/4, ML3.6/2, Error ellipse: s-maj=116.1km s-min=25.7km az=64.0, Banda Sea

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

IDC 02 22:18:05.9, 1.2, 11.25N, 138.84E, h0km, mb3.5/5, mb2 3.7/5, mb1mx3.5/19, mbtbp3.5/5, MS3.2/1, Ms1 3.2/1, ms1mx2.7/18, Error ellipse: s-maj=53.9km s-min=23.7km az=88.0, Western Caroline Islands

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

DJA 02 22:36:33.0, 51S, 122.64E, h10km, MLV3.5/5, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like LUWI Luwuk, AP5I Ampana, etc.

IDC 02 22:54:13.9, 1.3, 35.98N, 71.13E, h0km, mb3.9/8, mb2 4.0/12, mb1mx3.7/30, mbtbp3.9/12, ML3.7/4, Error ellipse: s-maj=26.8km s-min=23.2km az=128.0

ISCJB 02 22:54:26.8, 0.4, 36.47N, 0.03, 71.24E, 0.07, h114km, 7km, mb3.9/7, Error ellipse: s-maj=9.2km s-min=4.4km az=11.7

NEIC 02 22:54:27.1, 1.0, 36.48N, 71.24E, h10km, 9km, mb3.5/1, Error ellipse: s-maj=15km s-min=9.8km az=128.0

NCC 02 22:54:32.6, 2.2, 33.07N, 74.02E, h120km, 74km, mb3.1, mpv4.3, Error ellipse: s-maj=49.0km s-min=30.3km az=17.0

ISC 02 22:54:28.0, 0.4, 36.46N, 0.03, 71.23E, 0.07, h110km, 6km, n59, c112/12, mb3.9/7, 5C-4D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KBL Kabul, CEP Cherat, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like EKS2 Karatay Arr, KK31 Karatay Arr, etc.

ISCJB 02 22:59:46.7, 0.4, 49.85N, 0.03, 18.38E, 0.03, h0km, Error ellipse: s-maj=4.6km s-min=2.4km az=10.6

CSEM 02 22:59:46.5, 0.3, 49.86N, 18.45E, h2km, ML2.5/6, Error ellipse: s-maj=6.2km s-min=3.7km az=10.0

IPEC 02 22:59:46.9, 0.2, 49.81N, 18.51E, h0km, ML1.8/3, Error ellipse: s-maj=2.1km s-min=1.1km az=161.0

PRU 02 22:59:48.1, 49.84N, 18.44E, h0km, Rockburst In Region Felt In Orlova Mining induced.

ISC 02 22:59:47.6, 0.4, 49.83N, 0.03, 18.40E, 0.03, h0km, n29, c1925/54, Czech and Slovak Republics

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like OKC Ostrava-Krasne, OKC Ostrava-Krasne, etc.

ISCJB 02 22:59:46.7, 0.4, 49.85N, 0.03, 18.38E, 0.03, h0km, Error ellipse: s-maj=4.6km s-min=2.4km az=10.6

CSEM 02 22:59:46.5, 0.3, 49.86N, 18.45E, h2km, ML2.5/6, Error ellipse: s-maj=6.2km s-min=3.7km az=10.0

IPEC 02 22:59:46.9, 0.2, 49.81N, 18.51E, h0km, ML1.8/3, Error ellipse: s-maj=2.1km s-min=1.1km az=161.0

PRU 02 22:59:48.1, 49.84N, 18.44E, h0km, Rockburst In Region Felt In Orlova Mining induced.

ISC 02 22:59:47.6, 0.4, 49.83N, 0.03, 18.40E, 0.03, h0km, n29, c1925/54, Czech and Slovak Republics

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like RAC Raciborz, MORC Moravsky Berou, etc.

Table with columns: UPC, Uptime, Frequency, Bandwidth, Modulation, etc. Includes entries for Uptime, Ksiaz, Stebnicka Huta, etc.

IDC 02 23:00:32.8:1.4, 137.3N:92.96E, h0km, mb3.4/6, mb1 3.6/7, mb1mx3.4/25, mbtmp3.4/7, ML3.8/1, Error ellipse: s-maj=40.8km s-min=26.0km az=51.0, Andaman Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, etc. Includes entries for Chiang Mai Arr, Makanchi Array, Kurkuch, etc.

ISCJB 02 23:06:34.6:0.5, 14.57N:101.06E, h101km, 5km, mb4.0/6, Error ellipse: s-maj=11.8km s-min=3.8km az=30.4

CASC 02 23:06:35.7:1.5, 14.45N:92.25W, h114km, 1.7km, MD3.9, ML4.3, mb3.8(NEIC)

NEIC 02 23:06:36.0:0.7, 14.61N:92.26W, h91km, 5km, mb3.8/1, MD4.4(MEX), Error ellipse: s-maj=13.0km s-min=7.3km az=202.0

IDC 02 23:06:36.3:2.2, 14.77N:92.16W, h88km, 16km, mb3.7/6, mb1 4.1/10, mb1mx3.8/26, mbtmp3.9/10, Error ellipse: s-maj=23.3km s-min=14.4km az=18.0

MEX 02 23:06:39.6:1.2, 14.65N:92.57W, h75km, 14km, MD4.4, IXC 02 23:06:35.9:0.5, 14.59N:106.92E, h92km, 5km, mb3.1/10, mb1mx3.8/17, mbtmp3.8/17, Error ellipse: s-maj=11.8km s-min=3.8km az=30.4

Table with columns: Code, Station Name, Az, Phase ID, Time Res, etc. Includes entries for THIG, JAT, PCIG, CGIG, etc.

CMIG comp=2.45m, 0.3s, baze=136, slow=8.5, SNR=6.5

Table with columns: Code, Station Name, Az, Phase ID, Time Res, etc. Includes entries for CMIG, Matias Romero, etc.

ISCJB 02 23:08:08.0:0.9, 17.75S:0.3:178.7W:0.2, h622km, 16km, mb3.8/1.1, Error ellipse: s-maj=57.3km s-min=11.0km az=151.9

NEIC 02 23:08:07.1:0.1, 17.71S:178.59W, h606km, 14km, mb4.0/5, Error ellipse: s-maj=52.6km s-min=9.8km az=154.0

IDC 02 23:09:09.3:1.5, 17.34S:178.83W, h606km, 25km, mb3.2/7, mb1 3.6/8, mb1mx3.4/17, mbtmp3.6/8, Error ellipse: s-maj=78.8km s-min=12.2km az=152.0

ISC 02 23:09:20.0:0.9, 17.75S:0.3:178.7W:0.2, h610km, 14km, n26, 0974/30, mb3.8/11, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, etc. Includes entries for AFI, ARFI, CTA, etc.

Table with columns: ILAR, BOSA, WRA, ASAR, CMAR, etc. Includes station names and coordinates.

DDA 02 23:14:12.6:3.7, 14N:32.73E, h7km, 3km, MD3.7, MD3.9

ISCJ 02 23:14:13.4:0.9, 37.13N:0.03:32.72E:0.04, h5km, 6km, Error ellipse: s-maj=4.8km s-min=4.6km az=163.1

CSEM 02 23:14:13.7:1.0, 37.12N:32.72E, h2km, MD3.7, Error ellipse: s-maj=2.7km s-min=2.5km az=15.0

ISK 02 23:14:13.0, 37.11N:32.71E, h6km, MD3.7

ISC 02 23:14:13.9:0.9, 37.12N:0.03:32.73E:0.04, h3km, 8km, n77, 0971/83, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time Res, etc. Includes entries for HDMB, KONYA-Tatoy, GAZI, etc.

ISCJB 02 23:20:08.0:0.9, 17.75S:0.3:178.7W:0.2, h622km, 16km, mb3.8/1.1, Error ellipse: s-maj=57.3km s-min=11.0km az=151.9

NEIC 02 23:20:08.7:1.0, 17.71S:178.59W, h606km, 14km, mb4.0/5, Error ellipse: s-maj=52.6km s-min=9.8km az=154.0

IDC 02 23:20:09.3:1.5, 17.34S:178.83W, h606km, 25km, mb3.2/7, mb1 3.6/8, mb1mx3.4/17, mbtmp3.6/8, Error ellipse: s-maj=78.8km s-min=12.2km az=152.0

ISC 02 23:20:09.2:0.9, 17.75S:0.3:178.7W:0.2, h610km, 14km, n26, 0974/30, mb3.8/11, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, etc. Includes entries for AFI, ARFI, CTA, etc.

Table with columns: NVAR, ILAR, ILAR, etc. Includes station names and coordinates.

ISCJB 02 23:24:35.9:1.7, 34.79N:0.03:80.02E:0.06, h15km, 11km, mb3.9/14, Error ellipse: s-maj=7.8km s-min=4.3km az=175.0

IDC 02 23:24:35.2:0.7, 34.69N:79.99E, h0km, mb3.9/13, mb1 4.0/17, mb1mx3.8/30, mbtmp3.9/17, ML3.5/4, MS2.7/1, Ms1 2.7/1, ms1mx2.2/43, Error ellipse: s-maj=23.4km s-min=13.9km az=46.0

NEIC 02 23:24:36.8:0.3, 34.71N:80.01E, h10km, mb3.8/3, Error ellipse: s-maj=9.1km s-min=5.1km az=46.0

ISC 02 23:24:40.8:1.4, 34.77N:0.03:80.12E:0.05, h35km, 11km, n51, 0919/63, mb3.9/14, Xizang

Table with columns: Code, Station Name, Az, Phase ID, Time Res, etc. Includes entries for SDNR, DDI, NDI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like MACK Trabzon, GRSN GIREUNGSRN, GRSN GIREUNGSRN, BINGT Bing, BINGT Bing, etc.

ISC/JB 02:23:42:10.7,0.5,0.03S:0.07:28.02E:0.06,h10km, mb3.9/13,MS3.1/4, Error ellipse: s-maj=10.5km s-min=8.2km az=27.0

IDC 02:23:42:11.2,0.8,0.03S:27.92E,h0km,mb3.9/12, mb1.4,0/13,mb1mx3.9/22,mbtmp4.0/13,ML4.9/1,MS3.2/5, Ms1.3/1.5,ms1mx2.9/2, Error ellipse: s-maj=23.4km s-min=17.8km az=1.0

NEIC 02:23:42:12.2,0.5,0.12S:28.00E,h10km,mb3.9/3, Error ellipse: s-maj=12.5km s-min=9.8km az=104.0

ISC 02:23:42:12.9,0.5,0.02S:0.07:27.97E:0.06,h10km,n32, o#86/34,mb3.9/13,MS3.1/4,Zaire

Main table for the first section, listing station names, coordinates, and observation details for various stations like KMBO Kilima Mbogo, MSKU Masuku, etc.

CSEM 02:58:24.8,0.5,40.93N:38.40E,h8km,MD2.8, Error ellipse: s-maj=14.6km s-min=7.7km az=169.0

DDA 02:58:24.8,0.490N:38.41E,h7km,2km,MD2.8

ISC/JB 02:58:25.0,0.6,40.93N:0.05:38.41E:0.04,h8km,7km, Error ellipse: s-maj=8.2km s-min=5.2km az=17.2

ISK 02:58:25.3,4.1,13N:38.73E,h17km,MD2.6

ISC 02:58:25.2,0.8,40.92N:0.06:38.40E:0.04,h10km,g6km, n16,o#83/26,Turkey

Main table for the second section, listing station names, coordinates, and observation details for various stations like GRSN GIREUNGSRN, GRSN GIREUNGSRN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, WRAB Tennant Creek, etc.

ISC/JB 03:00:54:44.734S:107.27E,h19km,MLV3.6/6,Jawa

IDC 03:00:58:27.9,10.0,6.74S:129.35E,h216km,121km, mb2.8/1,mb1.2/74,mb1mx2.6/16,mbtmp2.6/0, Error ellipse: s-maj=72.4km s-min=49.6km az=36.0, Banda Sea

ISC/JB 03:01:31:03.2,0.6,39.49N:0.06:111.04E:0.05,h10km, mb3.8/10, Error ellipse: s-maj=9.1km s-min=5.8km az=178.1

IDC 03:01:31:03.9,1.6,39.39N:110.85E,h0km,mb4.1/4, mb1.4/2.5,mb1mx3.6/27,mbtmp4.0/5,ML2.9/1, Error ellipse: s-maj=28.8km s-min=23.3km az=88.0

NEIC 03:01:31:05.0,6.6,39.44N:110.78E,h10km,mb3.9/2, Error ellipse: s-maj=11.5km s-min=10.7km az=143.0

ISC 03:01:31:05.3,0.6,39.37N:0.06:110.96E:0.05,h10km,n15, o#107/19,MB3.5,Western Nei Mongol

Main table for the third section, listing station names, coordinates, and observation details for various stations like FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

ISC/JB 03:01:22:39.9,0.6,54.80N:0.07:161.50W:0.07,h63km,4km, mb3.9/17, Error ellipse: s-maj=13.7km s-min=3.5km az=154.2

IDC 03:01:22:39.9,3.4,54.93N:161.57W,h45km,29km,mb3.8/13, mb1.3/8/16,mb1mx3.8/26,mbtmp3.7/16,ML3.5/3, Error ellipse: s-maj=27.9km s-min=17.3km az=177.0

NEIC 03:01:22:40.3,54.69N:161.51W,h11km,mb3.9/2, ML3.8(AIC), After AIC

ISC 03:01:22:41.1,2.0,5.5479N:0.07:161.53W:0.07,h57km,4km, n18,o#111/83,mb3.9/17,Aleks Peninsula

Main table for the fourth section, listing station names, coordinates, and observation details for various stations like FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like BRKL Bradley Lake, CKL Chachakamna La, SLKM Skilak Lake, etc.

ISC/JB 03:01:31:03.2,0.6,39.49N:0.06:111.04E:0.05,h10km, mb3.8/10, Error ellipse: s-maj=9.1km s-min=5.8km az=178.1

IDC 03:01:31:03.9,1.6,39.39N:110.85E,h0km,mb4.1/4, mb1.4/2.5,mb1mx3.6/27,mbtmp4.0/5,ML2.9/1, Error ellipse: s-maj=28.8km s-min=23.3km az=88.0

NEIC 03:01:31:05.0,6.6,39.44N:110.78E,h10km,mb3.9/2, Error ellipse: s-maj=11.5km s-min=10.7km az=143.0

ISC 03:01:31:05.3,0.6,39.37N:0.06:110.96E:0.05,h10km,n15, o#107/19,MB3.5,Western Nei Mongol

Main table for the fifth section, listing station names, coordinates, and observation details for various stations like BTO Baotou, BJT Baijiatou, BJT Baijiatou, etc.

ISC/JB 03:01:33:44.6,1.5,13.7N:0.2:120.6E:0.6,h117km,18km, mb3.6/2, Error ellipse: s-maj=10.12km s-min=14.7km az=158.2

IDC 03:01:33:45.7,1.0,13.77N:120.88E,h10km,14km,mb3.3/9, mb1.3/4/9,mb1mx3.3/24,mbtmp3.3/9, Error ellipse: s-maj=10.74km s-min=14.0km az=69.0

NEIC 03:01:33:46.3,1.1,13.70N:120.74E,h118km,14km,mb3.8/1, mb1.3/4/9, Error ellipse: s-maj=7.54km s-min=10.4km az=68.0

ISC 03:01:33:46.1,3.1,13.70N:120.6E:0.6,h115km,17km, n21,o#66/23,ML3.6/10,Mindoro

Main table for the sixth section, listing station names, coordinates, and observation details for various stations like BTO Baotou, BJT Baijiatou, BJT Baijiatou, etc.









3d 2h

2008 DEC

RAGM	Ragged Mountai	3.36 263	ePn	Pn	02 48 23.6	+0.9
MENT	Mentasta	3.37 308	ePn	Pg	02 48 21.0	-1.8
MENT			ePg	Pg	02 48 30.7	-4.0
MENT			eSg	Sg	02 49 16.4	-1.8
DIV	Divide	3.81 276	P	Pn	02 48 28.5	-0.3
KL	Klutina	3.91 270	P	Pn	02 48 30.1	+0.1
DOT	Dot Lake	3.92 316	ePn	Pg	02 48 29.3	-1.1
DOT			ePg	Pg	02 48 41.6	-3.6
PAX	Paxson	4.08 303	P	Sg	02 49 29.6	-6.4
PAX	Paxson	4.08 303	P	P	02 48 33.2	+0.7
VLZ	Valdez	4.09 276	P	Pn	02 48 33.2	+0.7
EGAK	Eagle	4.09 340	ePn	Pn	02 48 33.1	+0.4
EGAK			ePg	Pg	02 48 44.3	-4.3
SIT	Sitka	4.15 160	ePn	Pn	02 49 38.1	-3.4
SIT			eSg	Sg	02 48 34.6	+1.1
SIT			ePg	Pg	02 49 05.7	-8.4
SCM	Sheep Creek Mo	4.59 285	P	Pn	02 48 34.6	+1.0
SCM	Sheep Creek Mo	4.59 285	P	Pn	02 48 38.9	-0.7
DLBC	Dease Lake	4.75 119	Pn	Pn	02 48 38.9	-0.7
DLBC			Pg	Pg	02 48 40.2	-1.5
DLBC	11nm,0.3s,baz=322,slow=17,SNR=20		Lg	Pg	02 48 53.7	-7.3
DLBC	35nm,0.3s,baz=204,slow=20,SNR=16		Lg	Pg	02 49 54.5	
DLBC	comp=Z,356nm,20.9s,baz=227,slow=39		LR	LR	02 50 35.6	
DLBC	Dease Lake	4.75 119	P	Pn	02 48 39.8	-1.9
DLBC	Dease Lake	4.75 119	Pn	Pn	02 48 39.4	-2.3
DLBC			IlSg	Sg	02 49 55.0	-7.5
DHY	Denali Highway	4.92 300	P	Pn	02 48 44.6	+0.6
SML	Sawmill	5.06 284	ePn	Pn	02 48 46.1	0.0
SML			ePg	Pg	02 48 57.7	-9.4
SML			eSg	Sg	02 50 04.0	-8.6
SML			eP	Pn	02 48 46.1	0.0
SML			Pmax	Pmax		
WRAK	Wrangell Islan	5.42 145	P	Pn	02 48 48.9	-2.0
PMR	Palmer	5.43 281	ePn	Pn	02 48 51.0	-0.1
PMR			ePg	Pg	02 49 05.7	-8.4
PMR			eSg	Sg	02 50 11.2	-1.3
PMR	Palmer	5.43 281	eP	Pn	02 48 51.0	-0.1
ILAR	Eielson Array	5.59 317	Pn	Pn	02 48 51.0	-2.3
ILAR			Pn	Pn	02 50 25.6	
ILAR			Lg	Pn	02 48 51.0	-2.3
ILAR	Eielson Array	5.59 317	P	Pn	02 48 51.0	-2.3
RND	Reindeer	5.66 300	P	Pn	02 48 54.9	+0.7
PRP	Porcupine Dome	5.70 326	P	Pn	02 48 55.0	-0.3
RC01	Rabbit Creek A	5.73 276	P	Pn	02 48 55.0	-0.3
MCK	McKinley	5.82 303	P	Pn	02 48 57.2	+0.8
MCK	McKinley	5.82 303	P	Pn	02 48 57.2	+0.8
COLA	College	5.98 315	ePn	Pn	02 49 04.1	+5.5
COLA			eSg	Sg	02 50 39.1	-2.9
COLA			eP	Pn	02 49 04.1	+5.5
COLA			Pmax	Pmax		
SLKM	Skilak Lake	6.04 271	ePn	Pn	02 48 59.1	-0.4
SLKM	Skilak Lake	6.04 271	eP	Pn	02 48 59.1	-0.3
CRAQ	Craig	6.08 153	ePn	Pg	02 49 06.7	+6.8
CRAQ			ePg	Pg	02 49 21.9	-4.5
CRAQ			eSg	Sg	02 50 34.4	-1.1
TRF	Thorofare Moun	6.72 289	P	Pn	02 49 08.1	+0.4
STLK	Strandline Lok	6.78 291	P	Pn	02 49 08.4	-0.5
SPU	Mount Spurr	6.85 278	ePn	Pn	02 49 12.8	+2.3
PPLA	Purkeypile	6.99 292	ePn	Pn	02 49 13.7	+1.2
PPLA			ePg	Pg	02 49 32.5	-1.1
PPLA			eSg	Sg	02 51 10.0	-4.3
BM3	Burnt Mountain	7.09 339	P	Pn	02 49 14.3	+0.5
RSO	Redoubt South	7.28 272	ePn	Pn	02 49 16.1	-0.4
INK	Inuvik	7.61 13	Pn	Pn	02 49 20.8	-0.1
INK			Pn	Pn	02 50 40.5	+6.5
INK			Lg	Pn	02 51 33.2	
INK			Pn	Pn	02 49 21.6	+0.7
INK			ePg	Pg	02 49 51.0	-4.6
INK			eSg	Sg	02 51 33.2	-0.3
INK			eP	Pn	02 49 21.6	+0.7
INK			Pmax	Pmax	02 50 40.5	
KDAK	Kodiak Island	8.12 253	Pn	Pn	02 49 26.2	-1.8
KDAK			Pn	Pn	02 50 51.2	-8.6
KDAK			Sn	Sn	02 50 51.2	-8.6
KDAK			Pn	Pn	02 49 26.2	-1.8
KDAK			Pmax	Pmax		
COLD	Coldfoot	8.24 325	P	Pn	02 49 30.4	+0.7
BBB	Bella Bella	8.12 253	Pn	Pn	02 52 49.5	
YKA	Yellowknife Ar	11.15 72	Pn	Pn	02 50 07.5	-2.0
YKA			Pn	Pn	02 53 17.3	
YKA			Lg	Pn	02 53 17.3	
YKA			Pmax	Pmax	02 50 07.5	-2.0
NEW	Newport	17.42 128	Pn	Pn	02 51 33.8	+0.7
NEW			ePn	Pn	02 51 35.8	+2.7
NEW			eP	Pn	02 51 35.8	+2.7
NEW			Pmax	Pmax		
A13A	Flathead Natio	17.98 121	UP	Pn	02 51 40.1	+0.1
C11A	Tepee Creek (N	18.11 127	UP	Pn	02 51 41.5	-0.1
A14A	Double T Ranch	18.37 120	UP	Pn	02 51 44.3	-0.4
B13A	Whitefish	18.40 123	UP	Pn	02 51 45.3	+0.3
C12B	Naegeli Ranch,	18.52 126	UP	Pn	02 51 47.0	+0.4
A15A	Johnson Ranch,	18.66 119	UP	Pn	02 51 48.0	-0.3
B14A	Marquette Ranc	18.90 121	UP	Pn	02 51 50.7	-0.5
JTMT	Jette	18.97 124	UP	Pn	02 51 58.7	+6.7
D12A	Red Ives Fores	19.10 127	UP	Pn	02 51 53.2	+0.5
A16A	West Butte Ran	19.17 117	UP	Pn	02 51 53.3	-1.1
C14A	Swan Lake	19.17 123	UP	Pn	02 51 53.1	-1.3
B15A	Bradley Ranch,	19.24 120	UP	Pn	02 51 53.6	-1.7
SWMT	Swartz Lake	19.27 124	UP	Pn	02 51 58.2	+2.5
G08A	Pilot Rock	19.28 136	UP	Pn	02 51 54.3	-1.5
D13A	Huson	19.42 125	UP	Pn	02 51 56.1	-1.4
E12A	Beaver Dam Sad	19.55 128	UP	Pn	02 51 57.4	-1.5
A17A	Triple J Farms	19.56 116	UP	Pn	02 51 57.4	-1.8
C15A	Salmond Ranch,	19.64 121	UP	Pn	02 51 58.0	-2.1
SLMT	Seelye Lake	19.70 123	UP	Pn	02 52 00.8	+0.1
D14A	Greenough	19.82 123	UP	Pn	02 52 00.5	-1.7
M50	Missoula	19.85 125	UP	Pn	02 52 00.7	-1.9
M50	Missoula	19.85 125	UP	Pn	02 52 02.4	-0.1
FFC	Flin Flon	19.93 92	eP	Pn	02 52 01.7	-1.8

FFC	Flin Flon	19.93 92	eP	Pn	02 52 01.7	-1.8
FFC			Pmax	Pmax		
C16A	Fuhringer Ranc	19.98 119	UP	Pn	02 52 02.1	-2.0
CHMT	Chamberlain Mo	20.06 123	UP	P	02 52 04.4	+1.2
E13A	Victor	20.06 126	UP	P	02 52 03.0	-0.4
I07A	Izee	20.17 139	UP	P	02 52 04.4	-0.1
D15A	Lincoln	20.25 122	UP	P	02 52 05.2	-0.2
E14A	Clinton	20.36 125	UP	P	02 52 06.6	+0.1
B18A	Beardsley Farm	20.38 115	UP	P	02 52 06.5	-0.3
A19A	Kindworth Far	20.45 113	UP	P	02 52 06.9	-0.5
C17A	Warram Farm,	20.53 118	UP	P	02 52 08.2	-0.2
F13A	Darby	20.55 127	UP	P	02 52 08.5	-0.1
RES	Resolute Bay	20.56 31	P	P	02 52 08.9	+0.5
RES			Lg	P	02 58 12.2	
RES			Pmax	Pmax	03 00 21.1	
RES			Pmax	Pmax	02 52 09.2	+0.7
RES			Lg	P	02 58 12.2	
RES			Pmax	Pmax	02 52 09.0	+0.5
RES			MLR	MLR		
D16A	Dana Ranch, Ca	20.67 120	UP	P	02 52 10.5	+0.6
EGMT	Eagleton	20.67 116	UP	P	02 52 09.6	-0.3
EGMT			eP	P	02 52 10.9	+1.0
E15A	Deer Lodge	20.70 123	UP	P	02 52 09.6	-0.6
B19A	Brinkman Farms	20.70 114	UP	P	02 52 10.0	-0.3
G12A	Big Creek, Yel	20.72 130	UP	P	02 52 10.3	-0.1
HRV	Holter Researc	20.80 121	UP	P	02 52 12.1	+0.8
A20A	Cobblestone Ra	20.85 112	UP	P	02 52 11.9	+0.1
F14A	Wisdom	20.91 125	UP	P	02 52 12.7	+0.2
D17A	Six Diamond St	20.94 119	UP	P	02 52 12.7	-0.1
K05A	Summer Lake	20.97 143	UP	P	02 52 13.5	+0.3
E16A	East Helena	21.01 122	UP	P	02 52 13.7	+0.2
J08A	Circle Bar Ran	21.15 138	UP	P	02 52 14.7	-0.4
G13A	Cobalt	21.17 128	UP	P	02 52 14.9	-0.4
C19A	Slack Wire Ran	21.20 116	UP	P	02 52 15.1	-0.5
A21A	Bergtoll Ranch	21.22 110	UP	P	02 52 15.7	-0.2
F15A	Butte	21.23 124	UP	P	02 52 15.8	-0.2
LRM	Limekiln Ridge	21.27 124	UP	P	02 52 17.9	+1.6
D18A	Linhart Farms,	21.28 118	UP	P	02 52 16.4	-0.1
G14A	Jackson	21.34 126	UP	P	02 52 17.2	+0.1
E17A	Martinsdale	21.41 120	UP	P	02 52 18.3	+0.4
DLMT	Dillon	21.59 125	UP	P	02 52 19.9	+0.1
B21A	Ellsworth Farm	21.59 112	UP	P	02 52 19.8	-0.1
H13A	Challis	21.60 129	UP	P	02 52 20.2	+0.3
F16A	Kenard Place,	21.63 123	UP	P	02 52 20.7	+0.4
C20A	Veseth Ranch,	21.68 114	UP	P	02 52 20.7	0.0
A22A	Carney Farms,	21.69 109	UP	P	02 52 20.8	-0.1
D19A	Cripps Ranch,	21.71 116	UP	P	02 52 20.7	-0.3
E18A	Harlowton	21.73 119	UP	P	02 52 21.3	0.0
BOZ	Bozeman (W)	21.74 123	UP	P	02 52 20.7	-0.8
BOZ			eP	P	02 52 21.9	+0.4
BOZ			Pmax	Pmax	02 52 21.9	+0.4
G15A	Dillon	21.79 125	UP	P	02 52 21.4	-0.5
MOD	Modoc	21.90 143	UP	P	02 52 26.2	+3.1
MCMT	McKenzie Canyo	21.93 126	UP	P	02 52 23.1	-0.3
WVOR	Wild Horse Val	21.93 139	UP	P	02 52 24.6	+1.1
WVOR			Pmax	Pmax		
I12A	Atlanta	21.93 131	UP	P	02 52 23.5	0.0
F17A	Fitzpatrick Pl	21.94 121	UP	P	02 52 23.6	0.0
MFID	Camas Ranch	22.01 133	UP	P	02 52 24.2	-0.1



M1 3.5/9,ms1mx3.2/27,Error ellipse: s-maj=32.6km s-min=11.3km az=121.0

ISC 03 02:58:21.8.1.5,6.09S,0.07x150.5E,0.1,h56km,1.9km, n43.0,082/41,mb4.0/10,MS3.5,New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like Port Moresby, Warramunga Arr, etc.

IDC 03 03:00:31.1=18.0,25.02S:174.76W,h0km,mb4.2/5, mb1 4.3/5,mb1mx4.0/16,mbtmp4.2/5,Error ellipse: s-maj=332.2km s-min=127.2km az=83.0, South of Tonga Islands

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

WEL 03 03:02:21.0.0.9,37.95Sx175.72E,h177km,8km,ML3.3/8, Error ellipse: s-maj=12.0km s-min=7.3km az=90.0, North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Urewera, Black Stump Fm, etc.

ISCJB 03 03:12:00.0.0.5,12.95N,0.06:88.84W,0.05,h68km,4km, mb3.9/14, Error ellipse: s-maj=12.0km s-min=4.0km az=34.1

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

Table with columns: SNET, SNET, eS, AML, Sn, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Boqueron, Cacacuatico, etc.

IDC 03 03:51:56.4.1.6,27.07S:62.29E,h0km,mb3.6/4, mb1 3.7/4,mb1mx3.4/23,mbtmp3.6/4, Error ellipse: s-maj=79.8km s-min=30.6km az=26.0, Southeast Indian Ridge

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

ISCJB 03 04:12:22.0.0.3,60.95N,0.03:137.91W,0.06,h10km, mb3.7/4,MS3.7/2, Error ellipse: s-maj=4.9km s-min=3.2km az=40.8

IDC 03 04:12:22.9.0.9,60.92N:137.97W,h0km,mb3.7/4, mb1 3.8/9,mb1mx3.6/28,mbtmp3.6/9,ML3.4/5,MS3.6/2, M1 3.6/2,ms1mx2.7/35, Error ellipse: s-maj=16.9km s-min=10.4km az=38.0

PGC 03 04:12:23.0.1.7,60.83N:137.99W,h1km,ML3.9/5, PGC 26km west of Haines Jct, Yt South Yukon Territory, Canada Felt (II-III) at Haines Junction, Yt. Ressenti (II-III) Haines Junction, Yt.

NEIC 03 04:12:23.0.60.83N:137.99W,h1km,mb3.7/1, ML3.9(PGC),ML3.5(AEIC), After PGC.

NEIC Felt (III) at Haines Junction. NEIC 03 04:12:23.0.3,60.90N,0.03:137.90W,0.06,h10km,n48, 1920/65,mb3.7/4,MS3.7/2,5D, Southern Yukon Territory

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Haines Junction, Peninsula, etc.

Table with columns: EGAK, Eagle, 4.17 340, ePn, Pn, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Eagle, Dease Lake, etc.

ISCJB 03 04:24:57.4.0.8,35.14N,0.07:28.77E,0.10,h3km, Error ellipse: s-maj=14.2km s-min=6.3km az=137.7

HLW 03 04:24:57.2,35.42N:28.77E,h10km,1.2km,MD3.6 CSEM 03 04:24:58.0.3,35.28N:28.75E,h40km,ML3.6, Error ellipse: s-maj=11.9km s-min=5.2km az=43.0

ATH 03 04:25:03.1,35.94N:28.05E,h85km,1km ISC 03 04:25:03.9,35.24N,0.08:28.74E,0.10,h35km,n21, 0576/26, Eastern Mediterranean Sea

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

SUZ Maghara, 5.92 139 P Pn 04 26 25.1 +1.0

SUZ Maghara, 6.40 146 P Pn 04 26 31.3 +0.7

SUZ Maghara, 6.90 179 P Pn 04 26 38.0 +0.5

AWBH Jabal Katrina, 8.04 147 P Pn 04 26 53.4 +0.2

AWBH Jabal Katrina, 8.05 145 P Pn 04 26 53.4 +0.2

AWBH Jabal Katrina, 8.05 145 P Pn 04 26 53.4 +0.2

AWBH Jabal Katrina, 8.08 183 P Pn 04 26 53.9 +0.2

AWBH Jabal Katrina, 8.08 183 P Pn 04 26 53.9 +0.2

GUC 03 04:25:50.1.0.5,23.44S:67.21W,h220km,ML4.5,2C, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Maria Elena, Antofagasta, etc.

LDG 03 04:26:26.8.0.1,42.55N:73.16E,h10km, Mb4.9/24, MS3.7/7, Error ellipse: s-maj=6.7km s-min=3.7km az=2.0

IDC 03 04:26:27.4.0.5,42.69N:73.22E,h0km,mb4.4/22, mb1 4.6/27,mb1mx4.5/33,mbtmp4.4/27,ML4.8/5,MS3.6/14, M1 3.6/14,ms1mx3.4/33, Error ellipse: s-maj=9.6km s-min=6.3km az=139.0

ISCJB 03 04:26:27.0.6,42.70N,0.02:73.16E,0.02,h9km,3km, mb4.6/101,MS4.0/29, Error ellipse: s-maj=3.9km s-min=2.4km az=10.4

NINC 03 04:26:27.1.0.6,42.73N:73.05E,h0km,mb5.1,mpv5.0, Error ellipse: s-maj=8.1km s-min=2.8km az=2.0

NEIC 03 04:26:28.8.1.8,42.72N:73.23E,h6km,11km,mb4.9/55, Error ellipse: s-maj=5.2km s-min=3.4km az=183.0

NEIC Felt at Bishkek, Kyrgyzstan. KNET 03 04:26:29.5.0.5,42.64N:73.29E,h17km,1km,ml4.7, Error ellipse: s-maj=3.2km s-min=2.3km az=102.0

MOS 03 04:26:30.2.0.8,42.66N:73.18E,h27km,4km,8/52, M1 3.6/14,ms1mx3.4/33, Error ellipse: s-maj=7.1km s-min=4.7km az=35.7

BUI 03 04:26:32.4.0.2,42.93N:72.90E,h54km,mb4.8/18,mb4.5/27, ML4.8/6,MS4.5/22,MS7.4/30

ISC 03 04:26:28.7.0.5,42.72N,0.02:73.21E,0.02,h5km,3km, n382,1903/424,mb4.6/101,MS4.0/29,23C-32D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Erkin-Say, Paxson, etc.









Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PYUN Piuthan, DANN Dangsing, KOLN Koldanda, etc.

ISK 03 05:32:36.2, 37.94N:03.98E, h9km, MD2.8
ISCJB 03 05:32:20.4, 37.95N:0.03:30.97E:0.04, h10km, Error
ellip: s-maj=4.8km s-min=3.7km az=35.6

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BCK Bucak, ECK Ececik, SHUT Suhut-Afyon, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GAZI Gazipasa, CMWZ Cape Campbell, BSWZ Blackbirch Sta, etc.

ISCJB 03 07:50:36.2, 0.5, 38.36N:0.03:21.99E:0.04, h11km, 4km,
Error ellipse: s-maj=5.5km s-min=4.8km az=156.8
CSEM 03 07:50:36.0, 0.1, 38.35N:21.99E, h10km, ML1.6/5, Error
ellip: s-maj=3.5km s-min=3.1km az=157.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EFP Efpalio, KALE Kalithea, KALE Kalithea, etc.

GUC 03 08:18:44.6:0.7, 32.62S:68.68W, h150km, ML3.5,
Mendoza Province

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JACH Jahuel, PELL Pedelhue, PEL Pelufo, etc.

ISCJB 03 08:45:53.1, 0.5, 60.82S:0.08:25.4W:0.2, h10km,
mb4.2/12, MS3.7/8, Error ellipse: s-maj=15.9km
s-min=8.8km az=142.8

IDC 03 08:45:54.8:0.7, 60.56S:25.43W, h0km, mb4.3/10,
mb1.4/3.10, mb1mx4.2/15, mbtmp4.3/10, MS3.6/9,
Ms1.3/9.9, ms1mx3.4/20, Error ellipse: s-maj=23.2km
s-min=18.6km az=3.0

NEIC 03 08:46:00.0:0.4, 60.55S:25.46W, h35km, mb4.3/2, Error
ellip: s-maj=13.4km s-min=11.5km az=179.0

ISC 03 08:45:55.0, 5.0, 60.70S:0.07:25.2W:0.2, h10km, n48,
r1528/37, mb4.2/12, MS3.7/8, South Sandwich Islands
region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VNA1 Neumayer-Stat, VNA1 Neumayer Olymp, VNA3 Neumayer-Watz, etc.



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Table with columns: AOPR, Arecibo Observ, 1.71 2371, eP, Pn, 10 33 08.2 -0.2, etc.

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

NEIC 03 10:59:27.4.2.6, 6.99S, 129.26E, h79km, 28km, mb4.2/2, Error ellipse: s-maj=20.3km s-min=13.4km az=202.0

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

ISCJB 03 11:16:23.0.0.5, 9.72S, 0.08, 159.09E, 0.07, h33km, mb4.1/15, MS3.4/2, Error ellipse: s-maj=13.3km

IDC 03 11:16:23.2.6.7, 9.87S, 159.20E, h26km, 48km, mb4.0/13, mb1.4/14, mb1mx4.1/18, mbtmp4.0/14, ML4.0/1, MS3.5/3, Ms1.3/4.3, ms1mx2.8/25, Error ellipse: s-maj=30.0km

NEIC 03 11:16:24.0.4.7, 9.75S, 159.15E, h35km, mb4.0/4, Error ellipse: s-maj=14.6km s-min=7.3km az=128.0

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

Table with columns: CMAR, Chiang Mai Arr, 65.69 295, P, P, 11 27 06.8 +0.5, etc.

DJA 03 11:37:00.53, 16N, 160.12E, h22km, mb5.4/8, BUI 03 11:37:01.8, 53.21N, 159.68E, h48km, mb5.1/32, mb5.2/47, Ms4.7/40, Ms7.4/3/38

MOS 03 11:37:03.2.0.1, 52.99N, 0.02, 159.59E, 0.02, h44km, mb5.3/344, MS4.2/51, Error ellipse: s-maj=3.2km

MOS Felt (III-VI) at Petropavlovsk-Kamchatskiy, BGS 03 11:37:04.1.1.5, 53.03N, 158.88E, h33km, mb5.5, NEIC 03 11:37:05.0.0.1, 52.98N, 159.62E, mb5.4/209, Error ellipse: s-maj=4.0km s-min=2.2km az=164.0

KRSC 03 11:37:05.1.1.3, 52.84N, 159.95E, h42km, 22km, ML5.4 TEH 03 11:37:05.0.53, 12N, 159.51E, h41km

CMAR, SONGINO ARRAY, 73.89 326, P, P, 11 27 57.2 +1.0, etc.

ISC 03 11:37:05.0.1, 53.04N, 0.02, 159.51E, 0.02, h46km, h46km, 5km, p-P, n1471, 0.0679/1480, mb5.3/344, MS4.2/51, 392C-235D, Near east coast of Kamchatka Peninsula

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

SKR Severo-Kuril's 3.16 223, eP, Pn, 11 37 55.0 +2.3, etc.

SKR comp-Z, 150nm, 0.4s smax

SKR comp-E, 2um, 0.5s smax

SKR comp-N, 5um, 0.4s smax

SKR comp-N, 6um, 2.0s smax

SKR comp-E, 10um, 2.0s MLR MFR

SKR comp-N, 7um, 8.0s MLR MFR

SKR comp-Z, 5um, 8.0s MLR MFR

SKR comp-Z, 5um, 8.0s MLR MFR

Table with columns: YSS, comp-Z, 50nm, 1.2s MRLR, etc.

ASAJ Asahikawa 14.29 238, P, Pn, 11 40 26.8 +1.9, etc.

BILL Bilibino 15.39 10, eP, Pn, 11 40 38.5 -0.7, etc.

ERM Erimo 15.57 231, eP, Pn, 11 40 39.0 -2.6, etc.

ERM Erimo 15.57 231, eP, Pn, 11 40 40.8 -0.8, etc.

ERM Erimo 15.57 231, eP, Pn, 11 40 40.8 -0.8, etc.

HABR Khabarovsk 16.11 263, eP, Pn, 11 40 48.2 -0.2, etc.

HABR comp-Z, 141nm, 1.2s smax

HABR comp-N, 45nm, 1.2s smax

HABR comp-E, 116nm, 1.2s MLR MFR

HABR comp-Z, 625nm, 19.0s smax

YAK Yakutsk 18.21 311, eP, Pn, 11 41 15.2 +0.8, etc.

YAK Yakutsk 18.21 311, eP, Pn, 11 41 14.5 +0.1, etc.

YAK comp-Z, 205nm, 0.8s smax

YAK comp-Z, 129nm, 0.9s smax

YAK comp-E, 46nm, 1.0s smax

YAK comp-N, 9nm, 1.1s smax

YAK comp-Z, 326nm, 1.1s smax

YAK comp-N, 159nm, 1.5s smax

YAK comp-E, 180nm, 1.1s smax

YAK comp-N, 755nm, 2.8s smax

YAK comp-E, 830nm, 3.9s MRLR









3d 11h

Table with columns for call letters, name, frequency, power, and other technical details. Includes entries like U26A Horse Wrangler, U20A Newcomb, P25A Willow Gulch B, etc.

2008 DEC

Table with columns for call letters, name, frequency, power, and other technical details. Includes entries like ASK Askoy, RUND Rundenannen, BER Bergen, etc.

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Table with columns for call letters, name, frequency, power, and other technical details. Includes entries like 126A Clayton Basin, COP Copenhagen, COP Copenhagen, etc.





SJPF	Ste Jean	82.80 346	iP	P	11 49 25.9	+1.6
SJPF	Ste Jean	82.80 346	iP	Pmax	11 49 25.9	+1.6
SJPF	comp=Z,73nm,0.6s,mb5.9					
VIEW	View	82.83 345	eP	P	11 49 26.1	+1.6
VIEW	View	82.83 345	eP	P	11 49 26.1	+1.6
REFS	Ens	82.86 345	eP	P	11 49 26.5	+1.9
REFS	Ens	82.86 345	eP	P	11 49 26.5	+1.9
PPT	Papeete	82.87 132	eLR	LR	12 15 25.7	
ITM	Ithomi	82.90 327	P	P	11 49 27.3	-1.3
ETSF	Etsaut	82.91 345	iP	P	11 49 26.4	+1.5
ETSF	Etsaut	82.91 345	iP	P	11 49 26.4	+1.5
ETSF	comp=Z,167nm,0.7s,mb5.2					
ETSF	Etsaut	82.91 345	iP	Pmax	11 49 26.4	+1.5
ETSF	comp=Z,167nm,0.7s,mb5.2					
VALF	Valcabollere	82.97 343	eP	P	11 49 27.0	+1.8
VALF	Valcabollere	82.97 343	eP	P	11 49 27.0	+1.8
KYTH	Kithira	83.35 326	P	P	11 49 26.2	-1.1
IDI	Anoyia	83.60 324	eP	P	11 49 26.2	-2.4
CEL	comp=Z,39nm,0.5s,mb5.8					
CEL	Celestino	83.75 332	eP	P	11 49 27.7	-1.7
KARN	Karanos	83.84 325	P	P	11 49 25.7	-4.1
SIVA	Sivas	83.88 324	P	P	11 49 29.0	-1.0
EIL	Elat	84.58 314	LR	LR	12 32 23.6	
PGAV	Gaveira, Arco	84.78 351	eP	P	11 49 35.2	+0.7
PBRG	Braganca	84.79 350	eP	P	11 49 35.3	+0.8
RAYN	Ar Rayn	84.79 303	P	P	11 49 34.5	-0.3
POLO	Lamas de Olo	85.33 320	P	P	11 49 38.0	+0.8
PVRL	Vila Real	85.41 350	eP	P	11 49 38.5	+0.9
MVO	Moncorvo	85.45 350	eP	P	11 49 38.0	+0.2
PKVS	Viseu	85.99 350	eP	P	11 49 41.0	+0.5
STKA	Stephens Creek	85.99 195	P	P	11 49 39.8	-0.5
STKA	comp=Z,11nm,0.8s,mb5.1,baz=344,slow=6.3,SNR=19					
STKA	LR				12 24 18.9	
STKA	comp=Z,124nm,19.1s,MS4.3,baz=25,slow=33					
STKA	Stephens Creek	85.99 195	eP	P	11 49 39.5	-0.8
STKA	comp=Z,10nm,0.9s,mb5.0					
STKA	Stephens Creek	85.99 195	eP	P	11 49 39.8	-0.5
STKA	Stephens Creek	85.99 195	eP	P	11 49 39.8	-0.5
STKA	Stephens Creek	85.99 195	eP	Pmax	11 49 39.8	-0.5
STKA	Stephens Creek	85.99 195	eP	Pmax	11 49 39.8	-0.5
MTE	Manteigas	86.26 350	eP	P	11 49 42.7	+0.8
MTE	comp=Z,25nm,1.0s,mb5.9					
MTE	Manteigas	86.26 350	eP	P	11 49 42.3	+0.5
MTE	comp=Z,9nm,0.9s,mb5.9					
ESDC	Sonsecsa Array	86.56 347	P	P	11 49 43.3	0.0
ESDC	comp=Z,25nm,0.7s,mb5.5,baz=33,slow=4.8,SNR=53					
ESDC	Sonsecsa Array	86.56 347	P	P	11 49 43.3	0.0
ESLA	Sonsecsa Array	86.56 347	eP	P	11 49 43.1	-0.2
PAB	San Pablo	86.73 348	eP	P	11 49 44.2	0.0
PAB	comp=Z,24nm,0.9s,mb4.4					
PAB	San Pablo	86.73 348	eP	P	11 49 44.2	0.0
PAB	comp=Z,24nm,0.9s,mb4.4					
PCBR	Castelo Branco	86.81 350	eP	P	11 49 44.7	+0.1
KEST	Kesra	87.86 336	P	P	11 49 49.6	-0.1
KEST	comp=Z,7.6nm,0.6s,mb5.1,baz=243,slow=3.3,SNR=13					
KEST	Kesra	87.86 336	P	P	12 34 34.1	
KEST	comp=Z,92nm,20.8s,MS4.2,baz=304,slow=39					
KEST	Kesra	87.86 336	P	P	11 49 49.6	-0.1
TBI	Tubuai	88.00 134	eLR	LR	12 17 50.0	
TBI	comp=Z,23nm,1.0s,mb5.4					
TBI	Tubuai	88.00 134	eLR	LR	12 17 50.0	
TBI	comp=Z,274nm,23.5s					
EVO	Evora	88.16 350	iP	P	11 49 51.4	+0.3
EVO	comp=Z,39nm,1.1s,mb5.3					
EVO	Evora	88.16 350	iP	P	11 49 51.4	+0.3
EVO	comp=Z,106nm,18.8s					
EVOP	Sao Brissos	88.18 350	iP	P	11 49 51.4	+0.3
EVOP	comp=Z,39nm,1.1s,mb5.5					
EVOP	Sao Brissos	88.18 350	iP	Pmax	11 49 51.4	+0.3
EVOP	comp=Z,39nm,1.1s,mb5.5					
PBAR	Barrancos	88.41 349	eP	P	11 49 53.9	+1.6
PBAR	comp=Z,39nm,1.1s,mb5.5					
PBAR	Barrancos	88.41 349	eP	P	11 49 53.9	+1.6
PBAR	comp=Z,39nm,1.1s,mb5.5					
PVAB	Vaqueros	88.25 350	eP	P	11 49 55.7	-0.5
PVAB	comp=Z,34nm,1.3s,mb4.0					
KLBR	Kellerberrin	91.78 215	eP	P	11 50 05.9	-1.9
KLBR	comp=Z,39nm,1.9s,mb5.8					
NWAO	Narrogin (SRO)	93.18 215	P	P	11 50 12.8	-1.4
NWAO	comp=Z,40nm,18.6s,MS3.9,baz=337,slow=37					
NWAO	Narrogin (SRO)	93.18 215	P	P	11 50 12.8	-1.4
NWAO	comp=Z,40nm,18.6s,MS3.9,baz=337,slow=37					
NWAO	Narrogin (SRO)	93.18 215	P	Pmax	11 50 12.8	-1.4
NWAO	comp=Z,40nm,18.6s,MS3.9,baz=337,slow=37					
NWAO	Narrogin (SRO)	93.18 215	P	Pmax	11 50 12.8	-1.4
NWAO	comp=Z,40nm,18.6s,MS3.9,baz=337,slow=37					
RKT	Rikitea	94.64 123	eLR	LR	12 20 58.5	
RKT	comp=Z,256nm,27.2s,baz=321					
RKT	Rikitea	94.64 123	eLR	LR	12 20 58.5	
RKT	comp=Z,256nm,27.2s,baz=321					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 51 36.1	-0.1
TORD	comp=Z,0.2nm,0.6s,baz=261,slow=3.8,SNR=3					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 55 33.5	-0.9
TORD	comp=Z,1.2nm,0.5s,baz=1.0,slow=1.5,SNR=9.1					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 56 12.1	-2.1
TORD	comp=Z,0.8nm,0.7s,baz=9.4,slow=8.1,SNR=3					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	12 06 26.6	-0.7
TORD	comp=Z,0.3nm,0.5s,baz=186,slow=4.4,SNR=4.0					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 51 36.1	-0.1
TORD	comp=Z,0.8nm,0.7s,baz=9.4,slow=8.1,SNR=3					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 55 33.5	-0.9
TORD	comp=Z,1.2nm,0.5s,baz=1.0,slow=1.5,SNR=9.1					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 56 12.1	-2.1
TORD	comp=Z,0.8nm,0.7s,baz=9.4,slow=8.1,SNR=3					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	12 06 26.6	-0.7
TORD	comp=Z,0.3nm,0.5s,baz=186,slow=4.4,SNR=4.0					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 51 36.1	-0.1
TORD	comp=Z,0.8nm,0.7s,baz=9.4,slow=8.1,SNR=3					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 55 33.5	-0.9
TORD	comp=Z,1.2nm,0.5s,baz=1.0,slow=1.5,SNR=9.1					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 56 12.1	-2.1
TORD	comp=Z,0.8nm,0.7s,baz=9.4,slow=8.1,SNR=3					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	12 06 26.6	-0.7
TORD	comp=Z,0.3nm,0.5s,baz=186,slow=4.4,SNR=4.0					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 51 36.1	-0.1
TORD	comp=Z,0.8nm,0.7s,baz=9.4,slow=8.1,SNR=3					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 55 33.5	-0.9
TORD	comp=Z,1.2nm,0.5s,baz=1.0,slow=1.5,SNR=9.1					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 56 12.1	-2.1
TORD	comp=Z,0.8nm,0.7s,baz=9.4,slow=8.1,SNR=3					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	12 06 26.6	-0.7
TORD	comp=Z,0.3nm,0.5s,baz=186,slow=4.4,SNR=4.0					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 51 36.1	-0.1
TORD	comp=Z,0.8nm,0.7s,baz=9.4,slow=8.1,SNR=3					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 55 33.5	-0.9
TORD	comp=Z,1.2nm,0.5s,baz=1.0,slow=1.5,SNR=9.1					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 56 12.1	-2.1
TORD	comp=Z,0.8nm,0.7s,baz=9.4,slow=8.1,SNR=3					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	12 06 26.6	-0.7
TORD	comp=Z,0.3nm,0.5s,baz=186,slow=4.4,SNR=4.0					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 51 36.1	-0.1
TORD	comp=Z,0.8nm,0.7s,baz=9.4,slow=8.1,SNR=3					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 55 33.5	-0.9
TORD	comp=Z,1.2nm,0.5s,baz=1.0,slow=1.5,SNR=9.1					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 56 12.1	-2.1
TORD	comp=Z,0.8nm,0.7s,baz=9.4,slow=8.1,SNR=3					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	12 06 26.6	-0.7
TORD	comp=Z,0.3nm,0.5s,baz=186,slow=4.4,SNR=4.0					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 51 36.1	-0.1
TORD	comp=Z,0.8nm,0.7s,baz=9.4,slow=8.1,SNR=3					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 55 33.5	-0.9
TORD	comp=Z,1.2nm,0.5s,baz=1.0,slow=1.5,SNR=9.1					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 56 12.1	-2.1
TORD	comp=Z,0.8nm,0.7s,baz=9.4,slow=8.1,SNR=3					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	12 06 26.6	-0.7
TORD	comp=Z,0.3nm,0.5s,baz=186,slow=4.4,SNR=4.0					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 51 36.1	-0.1
TORD	comp=Z,0.8nm,0.7s,baz=9.4,slow=8.1,SNR=3					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 55 33.5	-0.9
TORD	comp=Z,1.2nm,0.5s,baz=1.0,slow=1.5,SNR=9.1					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 56 12.1	-2.1
TORD	comp=Z,0.8nm,0.7s,baz=9.4,slow=8.1,SNR=3					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	12 06 26.6	-0.7
TORD	comp=Z,0.3nm,0.5s,baz=186,slow=4.4,SNR=4.0					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 51 36.1	-0.1
TORD	comp=Z,0.8nm,0.7s,baz=9.4,slow=8.1,SNR=3					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 55 33.5	-0.9
TORD	comp=Z,1.2nm,0.5s,baz=1.0,slow=1.5,SNR=9.1					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 56 12.1	-2.1
TORD	comp=Z,0.8nm,0.7s,baz=9.4,slow=8.1,SNR=3					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	12 06 26.6	-0.7
TORD	comp=Z,0.3nm,0.5s,baz=186,slow=4.4,SNR=4.0					
TORD	Torodi Ar. Bea	111.38 337	Pdf	Pdf	11 51 36.1	-0.1

3d 16h

Table with columns: THZ, RPZ, RPZ, CTA, CTA, CTA, STKA, STKA, STKA, ASAR, ASAR, WRAB, WRA, WRA, WRA, WRA, WRA, FITZ, FITZ, NVAR, NVAR, TXAR, TXAR, PDAR, PDAR, ILAR, ILAR. Includes station names, coordinates, and various parameters.

ISCJB 03 14:16:26.9:0.5, 40.61N:0.04:30.34E:0.04, h13km, 4km, Error ellipse: s-maj=6.3km s-min=4.9km az=163.1

ISC 03 14:16:26.5:0.4, 40.59N:30.36E, h14km, MD2.5

CSEM 03 14:16:26.9:0.2, 40.61N:30.35E, h15km, MD2.5, Error ellipse: s-maj=4.5km s-min=3.5km az=170.0

ISC 03 14:16:27.1:0.6, 40.62N:0.04:30.34E:0.04, h14km, 4km, n28, 0970/38, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Sapanca-Adapaz, Gulveren, Golpazari, etc.

GUC 03 14:21:05.6:0.7, 31.34S:67.61W, h144km, 58km, ML4.6, 3C-1D, San Juan Province

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Jahuel, Combarbala, Tololo Astrono, etc.

CSEM 03 14:48:47.8:0.3, 38.66N:35.93E, h2km, MD2.5, Error ellipse: s-maj=6.7km s-min=4.6km az=31.0

ISCJB 03 14:48:48.3:0.7, 38.70N:0.05:35.94E:0.05, h10km, Error ellipse: s-maj=8.1km s-min=4.7km az=26.3

ISC 03 14:48:48.5:0.3, 38.67N:0.06:35.92E:0.05, h5km, 13km, n13, 0992/20, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Bunyan, Pinarbasi, SarDiz-Kayseri, etc.

ISC 03 14:52:20.1:0.9, 18.14N:145.72E, h0km, mb3.8/8, mb1 4/18, mb1mx3/22, mbtmp3/8/6, Error ellipse: s-maj=30.9km s-min=19.0km az=107.0

ISCJB 03 14:52:23.5:0.8, 18.14N:0.1:145.76E:0.2, h33km, mb3.8/9, Error ellipse: s-maj=27.3km s-min=14.8km az=7.2

NEIC 03 14:52:25.6:0.8, 18.39N:145.71E, h35km, mb4.1/2, Error ellipse: s-maj=20.1km s-min=11.0km az=98.0

ISC 03 14:52:25.6:0.8, 18.4N:0.1:145.7E:0.2, h35km, n18, 0552/18, mb3.8/8, Mariana Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Tannat Creek, Warramunga Arr, Fitzroy Crossi, etc.

NEIC 03 14:55:17.9, 16.93N:94.85W, h124km, MD3.7(MEX), After MEX

MEX 03 14:55:18.3:1.0, 16.90N:94.84W, h120km, 9km, MD3.7, Oaxaca

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Matias Romero, Huatulco, Vista Hermosa, etc.

ISCJB 03 15:16:39.2:0.7, 11.05N:0.03:61.56W:0.04, h81km, 8km, Error ellipse: s-maj=6.6km s-min=5.1km az=22.7

FUNV 03 15:16:40.5, 11.05N:0.03:61.56W, h39km, MW3.0

TRN 03 15:16:41.8, 11.12N:61.50W, h61km, MD2.7

ISC 03 15:16:40.3:0.7, 11.06N:0.03:61.56W:0.04, h73km, 9km, n18, 0578/29, 1C-1D, Windward Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Trinidad (W), Brigand Hill, Guirra, etc.

IDC 03 15:27:54.0:4.9, 3.19N:126.40E, h0km, mb3.8/4, mb1 4/14, mb1mx3/6/19, mbtmp3/9/4, Error ellipse: s-maj=156.0km s-min=96.3km az=143.0

ISCJB 03 15:28:10.9:0.8, 2.60N:0.06:126.03E:0.07, h132km, 7km, mb3.8/3, Error ellipse: s-maj=12.7km s-min=8.4km az=139.2

DJA 03 15:28:13.2:55N:126.03E, h97km, MLV4.2/8

ISC 03 15:28:11.9:0.8, 2.61N:0.06:126.03E:0.07, h127km, 7km, n13, 0564/17, mb3.8/3, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Sangihe, Manado, Ternate, Cibinong, Labuha, etc.

JMA 03 15:53:45.7:0.3, 23.74N:122.50E, h32km, M2.8

ISCJB 03 15:53:46.1:0.3, 23.72N:0.02:122.46E:0.02, h33km, Error ellipse: s-maj=3.3km s-min=2.2km az=152.7

TAP 03 15:53:47.3, 23.72N:122.38E, h29km, ML3.1, D

ISC 03 15:53:46.6:0.3, 23.73N:0.02:122.47E:0.02, h35km, n47, 0572/22, Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Matias Romero, Huatulco, Vista Hermosa, etc.

Large table with columns: TWD, TWD, YOJ, YOJ, ES, ENL, ENA, TWC, TWC, EHY, EHY, TWF1, TWF1, TWF2, WHF, CHKT, CHKT, NNS, NNS, ENTT, ENTT, TWE, TWE, HATJ, HATJ, TWT, TWT, IRIF, IRIF, IRIF, IRIF, TWB1, TWB1, NSK, NSK, NSK, NSK, YUS, YUS, ELDTW, ELDTW, ELDTW, ELDTW, SMLT, SMLT, SMLT, SMLT, TYC, TYC, TYC, TYC, JKRS, JKRS, JKRS, JKRS, ALS, ALS, TTN, TTN, TWG, TWG, TWG, TWG, NSTT, NSTT, NSTT, NSTT, WNT, WNT, WNT, WNT, JIJ, JIJ, JIJ, JIJ, STYT, STYT, STYT, STYT, TWQ1, TWQ1, TWQ1, TWQ1, TWS1, TWS1, TWS1, TWS1, NSY, NSY, NSY, NSY, WGK, WGK, WGK, WGK, CHN4, CHN4, CHN4, CHN4, ECL, ECL, ECL, ECL, ECL, ECL, CHN1, CHN1, CHN1, CHN1, LAY, LAY, LAY, LAY, SSD, SSD, SSD, SSD, EAST, EAST, EAST, EAST, WTCT, WTCT, WTCT, WTCT, WSF, WSF, WSF, WSF, SGLT, SGLT, SGLT, SGLT, SGLT, SGLT, TWM1, TWM1, TWM1, TWM1, CHN8, CHN8, CHN8, CHN8, SCZT, SCZT, SCZT, SCZT, JTJ, JTJ, JTJ, JTJ, TWP, TWP, TWP, TWP, MAN 03 16:11:54, 11.61N:121.97E, h67km, mb4.0, ML2.7, MS2.4, ID, Panay

MAN 03 16:11:54, 11.61N:121.97E, h67km, mb4.0, ML2.7, MS2.4, ID, Panay

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Odiong, Roxas, Jordan, Cuyo Island, etc.



IDC 03 16:17:08.9-1.7, 1.53N, 125.12E, h0km, mb3.6/4, mb1 3.7/18, mb1mx3.4/18, mbtmp3.6/4, Error ellipse: s-maj=191.2km s-min=23.0km az=64.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, MKAR Makanchi Array.

GUC 03 16:31:20.5+1.0, 30.06S, 171.34W, h69km, 5km, ML3.7, 3D, Near coast of central Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include LSCH La Serena, TLL Tololo Astrono, OVCH Ovalle, CMCH Combarbala, LCO Las Campanas, CHNG Los Chungos, ROCH El Roble, PEL Peldehue, FCH Farellones, CLCH Cerro Calan.

NEIC 03 16:51:57.5, 17.06N, 94.79W, h125km, MD3.9(MEX), After MEX.

MEX 03 16:51:57.4+0.9, 17.05N, 94.78W, h126km, 7km, MD3.9, Chiapas

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include CMIG Matias Romero, TGIG Toluca, HUIG Huatulco, OXX Oaxaca, VHO Vista Hermosa, PCIG Comitán, UTMO Huajuapán, PNIG Pinotepa.

WEL 03 16:58:54.1+0.4, 38.88S, 178.07E, h26km, 3km, ML4.2/1, Error ellipse: s-maj=4.1km s-min=2.6km az=90.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include PRGZ Paritu Road, MHGZ Mahia Peninsula, KNZ Kokohu, CWZ Carnagh Station, MWZ Matawai, URZ Urewera.

IDC 03 17:12:19.1-3.4, 50.97N, 178.99E, h0km, mb3.3/3, mb1 3.7/18, mb1mx3.4/25, mbtmp3.4/3, MS3.2/1, Ms1 3.2/1, ms1mx2.5/22, Error ellipse: s-maj=96.3km s-min=35.5km az=177.0, Rat Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include ILAR Eielson Array, SONM Sogino Array, PDAR Pinedale Array, MKAR Makanchi Array.

IDC 03 17:15:22.9-53.0, 17.10S, 178.19E, h0km, mb3.7/3, mb1 3.9/3, mb1mx3.6/15, mbtmp3.7/3, Error ellipse: s-maj=95.4km s-min=15.2km az=76.0

NOU 03 17:16:50.2+0.6, 18.30S, 168.95E, h30km, MD2.8, ML2.8

ICU 03 17:16:51.2+2.3, 18.53S, 0108.1679E, 0.3, h35km, n8, c097/11, mb3.6/3, Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include DZM Mont Dzumac, NOUC Noumea, LASL Noumea, PLUM Mont Dore, STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs.

IDC 03 17:22:07.3-6.2, 5.59S, 11.01W, h0km, mb3.8/4, mb1 4.0/4, mb1mx3.7/20, mbtmp3.8/4, MS2.6/1, Ms1 2.6/1, ms1mx2.5/29, Error ellipse: s-maj=191.9km s-min=107.7km az=139.0, Ascension Island region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include DBIC Dibombro, TORC Torodi Arr, GERES GERESS Array B, BRTR Keskin Array B, AKASO Malin Array Be.

ISC/JB 03 17:26:00.7-0.3, 23.71N, 0.02E, 122.53E, 0.02, h33km, Error ellipse: s-maj=3.3km s-min=2.3km az=153.0

JMA 03 17:26:00.4+0.3, 23.78N, 122.49E, h40km, M2.7

TAP 03 17:26:01.0, 23.79N, 122.49E, h36km, 1km, ML3.4, C

ISC 03 17:26:01.2+0.3, 23.72N, 0.02E, 122.54E, 0.02, h35km, n49, c1910/88, 4C, Taiwan region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include YOJ Yonaguni jima, TWD Chiawan, ENA Nanau, ESL Shilin, TWC Suao, EHY Hungye, TWF1 Yuli, HATJ Hateruma jima, WHF Hehuan Shan, CHKT Chengkung, IRIF Iriomote-Funau, ENT Tachien, ENTT Nioudou, TWE Neicheng, NNS Nan Shan, TWT Taoshien, TWB1 Santiao Chiao, JKRS Kuro-shima, NSK Sanguang, YUS Yu-Shan, ELDTW Lidau, SMLT Sun Moon Lake, TYC Yuchr, JJC Ishigaki jima, ALS Alishan, TWG Pinglang, STYT Taisyuan, TWQ1 Liyutan, TCU Taichung, NSY Sanyi, NSY Chenhua, WKG Gukung, CHN4 Tsauhsan, ECL Taimali, LAY Lan-yu, CHN1 Nanshi, CHN1 Nanshi, SSD Santamen.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include EAST Anshuo, CHN3 Shihua, WSF Shzu, TWMI Shoushan, CHN8 Yiju, CHN8 Tarama, SCZT Fangliu, SCZT Taimali, WDGJ Dunglei, PNG Penghu.

JMA 03 17:27:54.4+0.6, 23.79N, 122.47E, h40km, M2.2

TAP 03 17:27:54.2, 23.73N, 122.37E, h18km, 1km, ML2.9, D, Taiwan region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include TWD Chiawan, ESL Shilin, ENA Nanau, YOJ Yonaguni jima, EHY Hungye, TWC Suao, TWF1 Yuli, WHF Hehuan Shan, CHKT Chengkung, CHKT Sanguang, SMLT Sun Moon Lake, SMLT Lidau, ELDTW Lidau, HATJ Hateruma jima, IRIF Iriomote-Funau, TYC Yuchr, ALS Alishan, TWG Pinglang, NSTT Nanijuang, WNT Mingjian, TWS1 Kuangyinshan, WGW Gukung, CHN4 Tsauhsan, ECL Taimali, JIJ Ishigaki jima, CHN1 Nanshi, SSD Sandimen, EAST Anshuo, SCZT Fangliu, JTJ Tarama, PNG Penghu, IDC 03 17:30:18.5-39.0, 19.14S, 168.14E, h0km, mb4.2/4, mb1 4.3/4, mb1mx3.9/15, mbtmp4.2/4, MS3.6/1, Ms1 3.6/1, ms1mx2.5/25, Error ellipse: s-maj=66.4km s-min=10.2km az=78.0, NEIC 03 17:29:26.0-5.0, 17.23S, 174.91E, h35km, Error ellipse: s-maj=115.0km s-min=39.5km az=120.0, Fiji Islands



Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like NORSAR Array B, TORID Torodi Arr. Bea, TORID Inuvik, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like MAN 03 18:33:57, MPMH Masbate, CNR Catarman, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like IDC 03 18:34:37, ILAR Eielson Array, NVAR Mina Array Bea, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like AKH Akhalkalaki, DIGO Kars, DIGO Kars, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like VACH Vallenar, VACH La Serena, CDCH Caldera, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like BEO 03 19:02:20, Bulgaria, VTS Vitoshka, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like ABJI Asem Bagus, SRBI Singaraja, SRBI Banyuwugur, etc.

DDA 03 19:03:17.1, 41.04N:25.88E, h7km, 97km, Md2.9
CSEM 03 19:03:18.9, 0.1, 41.25N:25.50E, h2km, MD2.7, Error
ATH 03 19:03:19.5, 41.17N:25.48E, h3km, 1km, MD2.7/4

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like RDO Rodhopi, RDO Alexandroupoli, RDO Enez, etc.

ISCJB 03 19:13:49.1, 0.7, 28.60S:0.04W:0.1, h57km, 6km, mb4.0/5, Error ellipse: s-maj=14.6km s-min=6.3km az=1.9

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like VACH Vallenar, VACH La Serena, CDCH Caldera, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like TXAR Lajitas Array, TXAR Lajitas Array, PDAR Pinedale Array, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WRA Zalesovo Array, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

TIF 03 19:24:21.9, 43.30N:43.96E, h13km, 2km
ISCJB 03 19:24:23.3, 0.3, 43.28N:0.02:43.90E:0.02, h6km, 2km, Error ellipse: s-maj=2.8km s-min=2.4km az=4.7

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like LSNR Lesken, LSNR Lesken, KORR Kora, etc.

ISCJB 03 19:13:49.1, 0.7, 28.60S:0.04W:0.1, h57km, 6km, mb4.0/5, Error ellipse: s-maj=14.6km s-min=6.3km az=1.9

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like VACH Vallenar, VACH La Serena, CDCH Caldera, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like TXAR Lajitas Array, TXAR Lajitas Array, PDAR Pinedale Array, etc.



Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like ILAR Eielson Array, MKAR Makanchi Array, KURK Kurchatov, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like n42, n057077, 2D, Taiwan region, YOJ Yonaguni jima, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like DWS DWS, MDN Morn-Daniel, DFBT Forest Bistrot, etc.

NIED 03 23:16:00, 38.50N, 143.20E, h23km, Mw5.8 Best double couple: Ms5.07000\*1017 NP1.9223.00000, d88.00000, ...

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like KRSC 03 21:48:30.0, 5.52, 95N, 159.86E, h45km, 24km, ML3.6, etc.

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

NEIC Recorded [3 JMA] in Miyagi and Yamagata; [2 JMA] in Akita, Aomori, Fukushima and Iwate; [1 JMA] in Chiba, Ibaraki and Saitama. Also recorded [1 JMA] in southwestern Hokkaido.

IDC 03 21:57:44.9, 1.2, 7.46N, 93.82E, h22km, 6km, mb3.6/9, mb1.3, 9/10, mb1mx3.6/24, mbtmp3.6/10, ML3.7/1, Error ellipse: s-maj=17.1km, s-min=17.1km, az=60.0, ...

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

DJA 03 23:17:10, 38.58N, 143.10E, h157km, Mw5.5/44 BGS 03 23:18:03.7, 4.45, 07N, 122.34E, h10km, mb5.5, MS5.6

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

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

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

ISCJB 03 22:18:41.8, 0.6, 24.52N, 0.03, 122.62E, 0.02, h90km, 6km, Error ellipse: s-maj=5.6km, s-min=3.2km, az=176.9 JMA 03 22:18:41.0, 0.2, 24.73N, 122.63E, h95km, 1.4 TAP 03 22:18:41.2, 24.53N, 122.62E, h83km, 1km, ML3.4, 9 D







3d 23h

2008 DEC

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Table with columns for station code, name, frequency, and other details. Includes stations like HNR Honiara, PYUN Piuthan, BVAR Borovoye Array, etc.

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

Table with columns for station code, name, frequency, and other details. Includes stations like QUE Quetta, APA Apatity, YKA Yellowknife Arr, etc.





Table with columns for station call letters, frequency, power, and other technical details. Includes stations like CSS Prodromos, ESK Eskdalemuir, WET Wetzell, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ABTA Abfaltersbach, LANF Langenberg, WLF Waferdange, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like HTL Hartland, GLMI Graying, CABF La Chapelle, etc.

4d 0h

Table with columns: Station Name, Time, Res, and various codes. Includes stations like Mont Tournerai, Quistinic, Saint-Julien, Cathedral Cave, French Village, La Moure, Les Rejaudoux, Calviac, Ste Croix, Junction City, Mount Ida, Lake Ozonia, Mahe Island, Montoliou, Alum Creek Sta, Villasalto, Peaks-Kenny Pk, Lisbon, Nacogdoches, Weld Dalam, Adirondack Con, Tuckaleechee C, Kingsville, Sevenshoe, Kingsburg, Tuckaleechee C, Tuckaleechee C, Tuckaleechee C, Kesra, Blacksburg, Corbin, Sonseca Array, Sonseca Array, Godfrey, Brewton, San Pablo, Manteigas, Cliffs of the, New Hope.

2008 DEC

Table with columns: Station Name, Time, Res, and various codes. Includes stations like Rikitea, BB Station, Tepich, Mbarara, Teeguigalpa, Torodi Ar. Bea, Isla Barro Col, Puerto Ayora, Lusaka, Willy Bob, Rapu Nui, Mawson, Fort de France, Santo Domingo, Gun Hill, Grenville, Santiago Islan, Otavalo, Dimbokro, Dimbokro, Dimbokro, Lobatse, Boshof, Boshof, Boshof, South Pole Qui, Sutherland, Nana, Sanae, Sanae, Horse Pasture, La Paz, La Paz, Riachuelo, Las Campanas, Paso Flores, Villa Florida, East Falkland, Torquist.

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Table with columns: Station Name, Time, Res, and various codes. Includes stations like CESI Serrava, Norcia, Gualdo di Mace, Afiamaulu, Warramunga Arr, Kermadec Islands, Raoul Island, Matakaoa Point, Puketiti, Omahuta, Carnagh Station, Matawai, Urewera, Urewera, Urewera, Paritu Springs, Mahia Peninsula, Arah, Cape Kidnapper, Oturere, Waihanua, Pawanui, Pukenui, Waiupukuru, Porangahau, Dannevirke, Mangatainika R, Otaki Gorge, Kapiti Island, Cannon Point, Moikau Station, South Karori, Tory Channel, Nelson, Nonsavu, Quartz Range, Thopouse, Chatham Island, Kahutara, Kahutara, Mokua's Vall, Mt Moutzamac, Rata Peaks, Rata Peaks, Otahua Downs, Afiamaulu, Afiamaulu, Funafuti, Armadale, Armadale, Eidsvold, Canberra, Roma, Cobar Meteorol, Stephens Creek, Charters Tower, Charters Tower, Stephens Creek, Stephens Creek, BBOO Buclebloom, Alice Springs, Alice Springs, Tennant Creek, Warramunga Arr, Stephens Creek, Stephens Creek.





4d 2h

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like JFK, JANG, JYK, etc.

208 DEC

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like BVAR, Borovoye Array, etc.

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Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like ASAR, Alice Springs, etc.

EIBI	51nm,0.2s,SNR=7.3	S	Sn	02 20 13.3 -0.1	
EBEN	Beniarda	3.81 298	eP	Pn	02 19 50.2 +0.7
EBEN	Beniarda	3.81 298	eP	Pn	02 20 32.9
EBEN	Beniarda	3.81 298	eP	Pn	02 19 50.2 +0.7
EBEN	5.1nm,0.2s,SNR=25	S	Sn	02 20 32.9 -1.4	
EBEN	19nm,0.4s,SNR=7.6	S	Sn	02 20 32.9 -1.4	
EBEN	Beniarda	3.81 298	eP	Pn	02 19 50.2 +0.7
EBEN	5.1nm,0.2s,SNR=25	S	Sn	02 20 32.9 -1.4	
EBEN	19nm,0.4s,SNR=7.6	S	Sn	02 20 32.9 -1.4	
CART	Cartagena	4.09 280	ePn	Pn	02 19 53.1 -0.3
CART	Cartagena	4.09 280	ePn	Pn	02 20 38.0 -3.3
CART	Cartagena	4.09 280	ePn	Pn	02 19 53.1 -0.3
CART	Cartagena	4.09 280	ePn	Pn	02 20 38.0 -3.3
EMUR	La Murta	4.32 283	eP	Pn	02 19 56.9 +0.4
EMUR	La Murta	4.32 283	eP	Pn	02 20 45.1
EMUR	La Murta	4.32 283	eP	Pn	02 19 56.9 +0.4
EMUR	3.4nm,0.2s,SNR=19	S	Sn	02 20 45.1 -1.7	
EMUR	21nm,0.5s,SNR=7.2	S	Sn	02 19 56.9 +0.4	
EMUR	La Murta	4.32 283	eP	Pn	02 19 56.9 +0.4
EMUR	3.4nm,0.2s,SNR=19	S	Sn	02 20 45.1 -1.8	
EMUR	21nm,0.5s,SNR=7.2	S	Sn	02 20 45.1 -1.8	
KEST	Kesra	4.44 105	ePn	Pn	02 19 55.3 -2.8
KEST	0.9nm,0.3s,baz=275,slow=4.0,SNR=36	Pn	Sn	02 19 55.3 -2.8	
KEST	0.4nm,0.3s,baz=60,slow=20,SNR=3.4	S	Sn	02 20 43.3 -6.5	
KEST	Kesra	4.44 105	ePn	Pn	02 19 55.3 -3.0
KEST	Kesra	4.44 105	ePn	Pn	02 20 43.3 -6.5
KEST	Kesra	4.44 105	ePn	Pn	02 19 55.1 -3.0
KEST	Kesra	4.44 105	ePn	Pn	02 20 43.3 -6.5
ECHE	Chera	4.74 305	eP	Pn	02 20 04.7 +2.4
ECHE	Chera	4.74 305	eP	Pn	02 20 55.6
ECHE	Chera	4.74 305	eP	Pn	02 20 04.7 +2.4
ECHE	68nm,0.6s,SNR=29	S	Sn	02 20 04.7 +2.4	
ECHE	4.7nm,0.2s,SNR=11	S	Sn	02 20 55.6 -1.6	
ECHE	Chera	4.74 305	eP	Pn	02 20 04.7 +2.4
ECHE	68nm,0.6s,SNR=29	S	Sn	02 20 04.7 +2.4	
ECHE	4.7nm,0.2s,SNR=11	S	Sn	02 20 55.6 -1.6	
ETOB	Tobarra	4.75 292	eP	Pn	02 20 04.2 +1.8
ETOB	Tobarra	4.75 292	eP	Pn	02 20 55.5
ETOB	Tobarra	4.75 292	eP	Pn	02 20 04.2 +1.8
ETOB	12nm,0.2s,SNR=75	S	Sn	02 20 55.5 -2.0	
ETOB	56nm,0.7s,SNR=6.8	S	Sn	02 20 04.2 +1.8	
ETOB	Tobarra	4.75 292	eP	Pn	02 20 04.2 +1.8
ETOB	12nm,0.2s,SNR=75	S	Sn	02 20 55.5 -2.0	
ETOB	56nm,0.7s,SNR=6.8	S	Sn	02 20 55.5 -2.0	
EMOS	Mosqueruela	4.89 315	eP	Pn	02 20 06.2 +1.8
EMOS	Mosqueruela	4.89 315	eP	Pn	02 21 01.0
EMOS	Mosqueruela	4.89 315	eP	Pn	02 20 06.2 +1.8
EMOS	7.3nm,0.3s,SNR=16	S	Sn	02 21 01.0 -0.1	
EMOS	5.6nm,0.2s,SNR=6.1	S	Sn	02 20 06.2 +1.8	
EMOS	Mosqueruela	4.89 315	eP	Pn	02 20 06.2 +1.8
EMOS	7.3nm,0.3s,SNR=16	S	Sn	02 21 01.0 -0.1	
EMOS	5.6nm,0.2s,SNR=6.1	S	Sn	02 21 01.0 -0.1	
ERTA	Horta de San J	4.91 325	eP	Pn	02 20 05.7 +1.1
ERTA	Horta de San J	4.91 325	eP	Pn	02 21 00.4
ERTA	Horta de San J	4.91 325	eP	Pn	02 20 05.7 +1.1
ERTA	1.7nm,0.2s,SNR=13	S	Sn	02 21 00.4 -1.1	
ERTA	5.5nm,0.2s,SNR=6.5	S	Sn	02 20 05.7 +1.1	
ERTA	Horta de San J	4.91 325	eP	Pn	02 20 05.7 +1.1
ERTA	1.7nm,0.2s,SNR=13	S	Sn	02 21 00.4 -1.1	
ERTA	5.5nm,0.2s,SNR=6.5	S	Sn	02 21 00.4 -1.1	
CFON	Fontmartina	4.92 346	eP	Pn	02 20 05.9 +1.1
CFON	Fontmartina	4.92 346	eP	Pn	02 21 00.6
CFON	Fontmartina	4.92 346	eP	Pn	02 20 05.9 +1.1
CFON	38nm,0.2s,SNR=88	S	Sn	02 21 00.6 -1.2	
CFON	19nm,0.2s,SNR=7.7	S	Sn	02 20 05.9 +1.1	
CFON	Fontmartina	4.92 346	eP	Pn	02 20 05.9 +1.1
CFON	38nm,0.2s,SNR=88	S	Sn	02 21 00.6 -1.2	
CFON	19nm,0.2s,SNR=7.7	S	Sn	02 20 05.9 +1.1	
EPOB	Poblet	4.93 333	eP	Pn	02 20 05.7 +0.8
EPOB	Poblet	4.93 333	eP	Pn	02 21 00.2
EPOB	Poblet	4.93 333	eP	Pn	02 20 05.7 +0.8
EPOB	3.4nm,0.1s,SNR=58	S	Sn	02 21 00.2 -1.8	
EPOB	9.4nm,0.2s,SNR=11	S	Sn	02 20 05.7 +0.8	
EPOB	Poblet	4.93 333	eP	Pn	02 20 05.7 +0.8
EPOB	3.4nm,0.1s,SNR=58	S	Sn	02 21 00.2 -1.8	
EPOB	9.4nm,0.2s,SNR=11	S	Sn	02 20 05.7 +0.8	
ENIJ	Nijar	5.03 272	eP	Pn	02 20 05.1 -1.2
ENIJ	Nijar	5.03 272	eP	Pn	02 21 04.8
ENIJ	Nijar	5.03 272	eP	Pn	02 20 05.1 -1.2
ENIJ	4.2nm,0.3s,SNR=7.9	S	Sn	02 21 04.8 +0.3	
ENIJ	25nm,0.6s,SNR=7.9	S	Sn	02 20 05.1 -1.2	
ENIJ	Nijar	5.03 272	eP	Pn	02 20 05.1 -1.2
ENIJ	4.2nm,0.3s,SNR=7.9	S	Sn	02 21 04.8 +0.3	
ENIJ	25nm,0.6s,SNR=7.9	S	Sn	02 20 05.1 -1.2	
EHUE	Huescar	5.37 281	eP	Pn	02 20 13.0 +2.0
EHUE	Huescar	5.37 281	eP	Pn	02 21 13.0
EHUE	Huescar	5.37 281	eP	Pn	02 20 13.0 +2.0
EHUE	2.0nm,0.2s,SNR=7.9	S	Sn	02 21 13.0 +0.1	
EHUE	3.3nm,0.2s,SNR=7.9	S	Sn	02 20 13.0 +2.0	
EHUE	Huescar	5.37 281	eP	Pn	02 20 13.0 +2.0
EHUE	2.0nm,0.2s,SNR=7.9	S	Sn	02 21 13.0 +0.1	
EHUE	3.3nm,0.2s,SNR=7.9	S	Sn	02 21 13.0 +0.1	
EVIA	Vianos	5.46 289	eP	Pn	02 20 13.5 +1.3
EVIA	Vianos	5.46 289	eP	Pn	02 21 12.1
EVIA	Vianos	5.46 289	eP	Pn	02 20 13.5 +1.3
EVIA	10nm,0.2s,SNR=12	S	Sn	02 21 12.1 -3.0	
EVIA	4.7nm,0.2s	S	Sn	02 20 13.5 +1.3	
EVIA	Vianos	5.46 289	eP	Pn	02 20 13.5 +1.3
EVIA	10nm,0.2s,SNR=12	S	Sn	02 21 12.1 -3.0	
EVIA	4.7nm,0.2s	S	Sn	02 20 13.5 +1.3	
EJON	La Jonquera	5.52 351	eP	Pn	02 20 14.3 +1.4
EJON	La Jonquera	5.52 351	eP	Pn	02 21 15.2
EJON	La Jonquera	5.52 351	eP	Pn	02 20 14.3 +1.4
EJON	41nm,0.4s,SNR=74	S	Sn	02 21 15.2 -1.2	
EJON	18nm,0.5s	S	Sn	02 20 14.3 +1.4	
EJON	La Jonquera	5.52 351	eP	Pn	02 20 14.3 +1.4
EJON	41nm,0.4s,SNR=74	S	Sn	02 21 15.2 -1.2	
EJON	18nm,0.5s	S	Sn	02 21 15.2 -1.3	
SJAF	Saint Jean de	5.55 351	P	Pn	02 20 15.0 +1.5
SJAF	Saint Jean de	5.55 351	P	Pn	02 20 15.0 +1.5
EBER	Berja	5.58 271	eP	Pn	02 20 13.1 -0.8
EBER	Berja	5.58 271	eP	Pn	02 21 17.2
EBER	Berja	5.58 271	eP	Pn	02 20 13.1 -0.8
EBER	2.9nm,0.2s,SNR=7.3	S	Sn	02 21 17.2 -0.9	
EBER	3.0nm,0.3s,SNR=5.9	S	Sn	02 20 13.1 -0.8	
EBER	Berja	5.58 271	eP	Pn	02 20 13.1 -0.8
EBER	2.9nm,0.2s,SNR=7.3	S	Sn	02 21 17.2 -0.9	
EBER	3.0nm,0.3s,SNR=5.9	S	Sn	02 21 17.2 -0.9	
VALF	Valcebollere	5.62 344	P	Pn	02 20 17.0 +2.6
VALF	Valcebollere	5.62 344	P	Pn	02 20 17.0 +2.6
VALF	Filloles	5.67 349	P	Pn	02 20 17.7 +2.6
VALF	Filloles	5.67 349	P	Pn	02 20 17.7 +2.6
CLLI	Llivia	5.71 344	eP	Pn	02 20 18.2 +2.6
CLLI	Llivia	5.71 344	eP	Pn	02 21 20.1
CLLI	Llivia	5.71 344	eP	Pn	02 20 18.2 +2.6
CLLI	6.2nm,0.1s,SNR=163	S	Sn	02 21 20.1 -1.0	
CLLI	5.5nm,0.3s,SNR=11	S	Sn	02 20 18.2 +2.6	
CLLI	Llivia	5.71 344	eP	Pn	02 20 18.2 +2.6
CLLI	6.2nm,0.1s,SNR=163	S	Sn	02 21 20.1 -1.0	
CLLI	5.5nm,0.3s,SNR=11	S	Sn	02 21 20.1 -1.0	
EQES	Quesada	5.75 280	eP	Pn	02 20 17.9 +1.7
EQES	Quesada	5.75 280	eP	Pn	02 21 22.4
EQES	Quesada	5.75 280	eP	Pn	02 20 17.9 +1.7
EQES	18nm,0.4s,SNR=36	S	Sn	02 21 22.4 +0.2	
EQES	29nm,0.6s,SNR=10	S	Sn	02 20 17.9 +1.7	
EQES	Quesada	5.75 280	eP	Pn	02 21 22.4 +0.2
EQES	18nm,0.4s,SNR=36	S	Sn	02 20 17.9 +1.7	

EQES	29nm,0.6s,SNR=10	S	Sn	02 21 22.4 +0.2	
CSOR	Sort	5.83 338	eP	Pn	02 20 20.1 +2.9
CSOR	Sort	5.83 338	eP	Pn	02 21 23.5
CSOR	Sort	5.83 338	eP	Pn	02 20 20.1 +2.9
CSOR	5.2nm,0.3s,SNR=29	S	Sn	02 21 23.5 -0.6	
CSOR	18nm,0.4s,SNR=5.7	S	Sn	02 21 23.5 -0.6	
CSOR	Sort	5.83 338	eP	Pn	02 20 20.1 +2.9
CSOR	5.2nm,0.3s,SNR=29	S	Sn	02 21 23.5 -0.6	
CSOR	18nm,0.4s,SNR=5.7	S	Sn	02 20 20.7 +2.6	
ESAC	San Caprasio	5.88 325	eP	Pn	02 21 24.5
ESAC	San Caprasio	5.88 325	eP	Pn	02 20 20.7 +2.6
ESAC	10nm,0.3s,SNR=7.9	S	Sn	02 21 24.5 -1.0	
ESAC	19nm,0.3s,SNR=7.9	S	Sn	02 20 20.7 +2.7	
ESAC	San Caprasio	5.88 325	eP	Pn	02 20 20.7 +2.7
ESAC	10nm,0.3s,SNR=7.9	S	Sn	02 20 20.9 +1.1	
ESAC	19nm,0.3s,SNR=7.9	S	Sn	02 21 28.5 -0.2	
ESAC	San Caprasio	5.88 325	eP	Pn	02 20 20.9 +1.1
ESAC	10nm,0.3s,SNR=7.9	S	Sn	02 21 28.5 -0.2	
ESAC	19nm,0.3s,SNR=7.9	S	Sn	02 21 28.5 -0.2	
LRDF	Larouque-de-Fa	6.05 349	P	Pn	02 20 22.1 +1.9
LRDF	Larouque-de-Fa	6.05 349	P	Pn	02 20 22.1 +1.9
LRDF	Cogollos-Vega	6.11 275	eP	Pn	02 20 22.2 +1.1
LRDF	Cogollos-Vega	6.11 275	eP	Pn	02 20 22.2 +1.1
LRDF	Cogollos-Vega	6.11 275	eP	Pn	02 20 22.2 +1.1
LRDF	7.2nm,0.5s,SNR=7.9	S	Sn	02 20 22.2 +1.0	
LRDF	7.2nm,0.5s,SNR=7.9	S	Sn	02 20 22.2 +1.0	
ETOR	Torete	6.12 310	P	Pn	02 20 22.4 +1.2
ETOR	Torete	6.12 310	P	Pn	02 22 24.1 +1.2
ETOR	25nm,0.4s,SNR=14	S	Sn	02 21 31.7 +0.5	
ETOR	8.8nm,0.4s,SNR=14	S	Sn	02 20 22.4 +1.2	
ETOR	Torete	6.12 310	P	Pn	02 21 31.7 +0.5
ETOR	25nm,0.4s,SNR=14	S	Sn	02 21 31.7 +0.5	
EGUA	Gujarres	6.13 271	eP	Pn	02 20 20.6 -0.7
EGUA	Gujarres	6.13 271	eP	Pn	02 20 20.6 -0.7
EGUA	Gujarres	6.13 271	eP	Pn	02 20 20.6 -0.7
EGUA	2.1nm,0.2s,SNR=7.9	S	Sn	02 20 20.6 -0.8	
EGUA	2.1nm,0.2s,SNR=7.9	S	Sn	02 20 25.3 +1.5	
ERON	Agron	6.31 273	eP	Pn	02 20 25.3 +1.5
ERON	Agron	6.31 273	eP	Pn	02 20 25.3 +1.5
ERON	Agron	6.31 273	eP	Pn	02 20 25.3 +1.5
ERON	6.3nm,0.6s,SNR=7.9	S	Sn	02 20 25.3 +1.4	
ERON	6.3nm,0.6s,SNR=7.9	S	Sn	02 20 25.9 +0.5	
BERF	Bertagne	6.42 11	P	Pn	02 20 25.9 +0.5
BERF	Bertagne	6.42 11	P	Pn	02 20 25.9 +0.5
EBIE	Bielsa	6.43 333	eP	Pn	02 20 27.6 +2.0
EBIE	Bielsa	6.43 333	eP	Pn	02 21 38.7
EBIE	Bielsa	6.43 333	eP	Pn	02 20 27.6 +2.0
EBIE	3.5nm,0.4s,SNR=12	S	Sn	02 21 38.7 -0.3	
EBIE	7.8nm,0.5s,SNR=9.4	S	Sn	02 21 27.6 +2.0	
EBIE	Bielsa	6.43 333	eP	Pn	02 21 38.7 -0.3
EBIE	3.5nm,0.4s,SNR=12	S	Sn	02 21 27.6 +2.0	
EBIE	7.8nm,0.5s,SNR=9.4	S	Sn	02 21 38.7 -0.3	
MTLF	Montoliu	6.49 348	ePn	Pn	02 20 28.2 +1.8
MTLF	Montoliu	6.49 348	ePn	Pn	02 21 33.6 -6.8
MTLF	Montoliu	6.49 348	ePn	Pn	02 21 33.6 -6.8
MTLF	3.5nm,0.2s,SNR=1.0	eSn	Sn	02 21 33.6 -6.8	
MTLF	Montoliu	6.49 348	ePn	Pn	02 20 28.2 +1.8
MTLF	Montoliu	6.49 348	ePn	Pn	02 20 28.2 +1.8
MTLF	Mont				

Table with columns: RJF, Les Rejaudoux, 8.52 348, P, Pn, 02 20 55.0 +0.9, SNR=1.0, HINF, 0.7nm,0.4s, eSn, Sn, 02 23 24.1 -7.1, KZA, SNR=5.7, 5.22 29, P, Pn, 02 31 23.8 -0.9

Table with columns: HINF, SNR=1.0, 0.7nm,0.4s, eSn, Sn, 02 23 24.1 -7.1, KZA, SNR=5.7, 5.22 29, P, Pn, 02 31 23.8 -0.9

Table with columns: EKS2, Erkin-Say, SNR=9.4, 5.31 16, P, Pn, 02 31 26.1 +0.3, EKS2, Erkin-Say, SNR=9.4, 5.31 16, ePn, Pn, 02 31 25.9 +0.1

M:1.30000x10^17 N1:192.00000, delta 19.00000, lambda 181.00000, NP2:2.20000, delta 71.00000, lambda 93.00000, Principal axes: T 1.2300, Plg63.0000, Azm297.0000; N 0.1900, Plg3.0000, Azm201.0000; P -1.4200, Plg26.0000, Azm110.0000; Data Used: II UIC G CN. Surface waves: sta-103, comp=189, per=50. DJA 04 03:11:03, 38.74N, 141.47E, h10km, mb5.3/13 ISC 04 03:10:56.7-0.1, 38.64N, 0.02-142.90E, 0.02, h24km, h24km=3.4km; p-P, n1303, o679/1243, mb5.3/299, MS5.1/210, 376C-173D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth (A), Azimuth Error (AZ), Phase ID, Time (h m s), Res (ISC), and other parameters. Includes stations like OFUJ, JIO, JMC, JOM, etc.

Table with columns: Code, Station Name, Azimuth (A), Azimuth Error (AZ), Phase ID, Time (h m s), Res (ISC), and other parameters. Includes stations like CBIJ, MDJ, MDJ, etc.

Table with columns: Code, Station Name, Azimuth (A), Azimuth Error (AZ), Phase ID, Time (h m s), Res (ISC), and other parameters. Includes stations like CLNS, CLNS, CLNS, etc.







Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like ISAD, DGRG, WVOR, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like HLID, HATD, G15A, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like SUW, SUW, SUW, etc.

UMR	Umm Al-Rimam	75.91	297	eP	P	03 22 40.4	-1.0
UMR				Amb	AMB	03 22 41.2	
G22A	comp-Z,41nm,0.9s,mb5.4						
G22A	Birney	75.92	43	↓P	P	03 22 41.3	+0.1
GSC	Goldstone	75.92	56	↑P	P	03 22 41.4	0.0
R13A	O'Grain Ranch,	75.96	52	↓P	P	03 22 41.8	+0.3
L18A	Fontenelle, Gr	75.97	47	↑P	P	03 22 41.5	0.0
BHD	Baghdad	75.98	301	i x	P	03 22 37.0	-4.7
BHD				i x	P	03 22 19.5	
JLU	Jordanella	75.98	49	eP	P	03 22 43.1	+1.5
BFC5	comp-Z,25nm,1.5s,mb4.9						
BFC5	Mount Baldy Ra	76.01	57	↓P	P	03 22 41.9	+0.1
MIB	Mutribah	76.02	297	eP	AMB	03 22 40.6	-1.5
MIB				Amb	AMB	03 22 41.9	
F23A	comp-Z,65nm,0.9s,mb5.6						
F23A	Volborg	76.06	42	↑P	P	03 22 41.5	-0.5
KEMA	Kemalye	76.07	309	i P	P	03 22 42.7	+0.5
K19A	Absolon Red Bu	76.07	46	↑P	P	03 22 42.2	+0.1
N17A	Moffitt Pass	76.13	49	↓P	P	03 22 42.3	-0.1
P15A	Leamington	76.13	50	↓P	P	03 22 42.3	-0.2
J20A	Shoshoni	76.16	45	↑P	P	03 22 42.7	+0.1
O16A	Springville	76.20	49	↓P	P	03 22 43.0	+0.1
DAU	comp-Z,24nm,1.3s,mb5.0						
DAU	Daniels Canyon	76.22	49	eP	P	03 22 44.0	+1.0
DAU	Daniels Canyon	76.22	49	eP	P	03 22 44.0	+1.0
ERBA	Erbaa	76.22	311	i P	P	03 22 42.0	-1.0
MPU	Maple Canyon	76.24	50	eP	P	03 22 43.6	+0.5
QRN	comp-Z,18nm,1.1s,mb4.9						
QRN	Al-Qurain	76.24	296	eP	AMB	03 22 42.3	-1.0
QRN				Amb	AMB	03 22 55.4	
L19A	Farson	76.25	47	↑P	P	03 22 42.7	-0.4
I21A	Big Trails, Te	76.30	45	↑P	P	03 22 42.9	-0.5
RDF	Al-Radifah	76.40	296	eP	AMB	03 22 43.0	-1.2
RDF				Amb	AMB	03 22 56.7	
G23A	comp-Z,183nm,1.4s,mb5.8						
G23A	Biddle	76.41	43	↑P	P	03 22 43.7	-0.3
GUQA	Turquoise Moun	76.41	56	↑P	P	03 22 43.8	-0.3
NAY	Al-Naabi	76.42	297	eP	AMB	03 22 43.0	-1.3
NAY				Amb	AMB	03 22 44.1	
KIS	comp-Z,35nm,1.1s,mb5.2						
KIS	Kishinev	76.43	320	eP	LRM	03 22 43.0	-1.1
KIS				LRM	LRM	03 59 00.0	
KIS	Kishinev	76.43	320	eP	P	03 22 43.0	-1.1
KIS				e	MLR	03 27 28.0	
KIS	comp-N,2um,16.0s				MLR		
KIS					MLR		
K20A	comp-Z,3um,16.0s,MS5.7				MLR		
K20A	Yellowstone Ra	76.47	46	↓P	P	03 22 43.8	-0.5
F24A	Ekalaka	76.48	42	↑P	P	03 22 44.1	-0.3
HEC	Hector,Ludlow	76.52	56	↑P	P	03 22 44.7	-0.1
SCER	sogukcermik	76.52	310	i P	P	03 22 45.5	+0.8
J21A	Lysite	76.52	45	↑P	P	03 22 44.9	+0.2
BSD	Bornholm Skovb	76.58	332	i P	P	03 22 44.4	-0.4
BSD				pmax	pmax		
BSD	comp-Z,50nm,1.0s,mb5.4				MLR		
BSD					MLR		
BSD	comp-Z,2um,17.0s,MS5.0				MLR		
BSD	Bornholm Skovb	76.58	332	i P	P	03 22 44.4	-0.4
BSD				e			
BSD	comp-Z,50nm,1.0s,mb5.4						
O17A	Robinson Place	76.66	49	↓P	P	03 22 45.5	0.0
I22A	9 Mile Ranch,	76.69	44	↓P	P	03 22 45.2	-0.4
MALT	Malaya	76.71	308	PFAKE	LR	03 23 00.0	+1.4
MALT				LR	LR		
CCUT	comp-Z,880nm,22.0s,MS5.0						
CCUT	Cedar City	76.73	52	eP	P	03 22 46.4	+0.4
BEU	comp-Z,22nm,1.5s,mb4.9						
BEU	Belsk	76.74	327	eP	P	03 22 46.4	+0.7
BEL				eS	S	03 32 24.9	-6.1
BEL				LMZ		03 56 32.2	
BEL	comp-Z,2um,21.6s				P	03 22 46.4	+0.7
BEL	Belsk	76.74	327	eP	S	03 32 25.0	-6.0
BEL				eS	pmax		
BEL	comp-Z,800nm,6.4s				MLR		
BEL					MLR		
LVV	comp-Z,2um,21.6s,MS5.4						
LVV	L'vov	76.77	324	eP	P	03 22 45.2	-0.7
LVV						03 23 02.2	
LVV					MLR	03 25 44.4	
LVV	comp-N,3um,15.0s,MS5.9				MLR		
LVV					MLR		
LVV	comp-E,3um,15.0s,MS5.9				MLR		
N18A	Larsen Ranch,	76.79	48	↑P	P	03 22 45.7	-0.5
RAO	Raoul Island	76.81	145	PFAKE	LR	03 23 00.0	+1.4
BOYT	Boyabat	76.83	313	i P	P	03 22 44.9	-1.5
MVU	Marysvalde	76.84	51	PFAKE	LR	03 23 00.0	+1.3
MSU	Marysvalde	76.86	51	eP	P	03 22 48.0	+1.3
MSU				e	pmax		
MSU	Marysvalde	76.86	51	eP	pmax	03 22 48.0	+1.4
L20A	Wamsutter	76.89	46	↑P	P	03 22 47.0	+0.2
IAS	Iasi	76.93	321	i P	P	03 22 47.1	+0.3
IAS	Iasi	76.93	321	i P	P	03 22 47.1	+0.3
GMRC	Granite Mounta	76.98	56	↑P	P	03 22 47.4	0.0
R15A	Junction	76.99	51	↑P	P	03 22 48.0	+0.6
J22A	Midwest	77.01	44	↓P	P	03 22 46.8	-0.6
COP	Copenhagen	77.02	334	i P	P	03 22 47.3	+0.1
COP				i S	pmax	03 32 37.5	+3.6
COP				pmax	MLR		
COP	comp-Z,34nm,0.9s,mb5.3						
COP					MLR		
COP	comp-Z,1um,17.0s,MS5.3				P	03 22 47.3	+0.1
COP	Copenhagen	77.02	334	↑P	P	03 22 47.3	+0.1
COP				i S	S	03 32 37.5	+3.6
COP							
AKCD	comp-Z,1um,17.0s						
O18A	Akadag	77.03	309	i P	P	03 22 48.3	+0.7
O18A	Roosevelt	77.05	49	↑P	P	03 22 48.2	+0.5
LEOM	Leova	77.08	320	↑P	P	03 22 47.8	+0.1
LEOM	Leova	77.08	320	↑P	P	03 22 47.8	+0.1
K21A	Alcova	77.09	45	↑P	P	03 22 48.5	+0.6
P17A	Butcher Ranch,	77.12	50	↓P	P	03 22 48.6	+0.5
GKP	Gorka Klasztor	77.12	330	eP	P	03 22 47.9	+0.1
GKP				eP	pP	03 22 32.3	-3.4
GKP				eS	S	03 32 34.7	-0.4
GKP				LMZ		03 59 43.7	
GKP	comp-Z,3um,17.5s						
GKP	Gorka Klasztor	77.12	330	↑P	pP	03 22 47.9	+0.1
GKP				eS	pP	03 22 52.3	-3.4
GKP				eS	S	03 32 34.7	-0.4

GKP	comp-Z,3um,17.5s,MS5.7				MLR		
N19A	John Jarvie Ra	77.13	48	↓P	P	03 22 48.6	+0.5
LDFC	Lanfair	77.16	55	eP	P	03 22 48.7	+0.3
H24A	Dirks Ranch, A	77.16	42	↓P	P	03 22 48.3	+0.1
PFO	Pinyon Flat Ob	77.18	57	↓P	P	03 23 48.9	+0.4
PFO	Pinyon Flat Ob	77.18	57	PFAKE	LR	03 02 00.0	+11
PFO				LR	LR		
BELO	comp-Z,375nm,19.0s,MS4.7						
BELO	Belle Mttn. Jos	77.24	57	↑P	P	03 22 48.9	0.0
P18A	Prezton Nutter	77.31	49	↑P	P	03 22 49.7	+0.5
CTKT	Corum	77.41	312	i P	P	03 22 48.6	-1.1
R16A	Teasdale	77.42	51	↓P	P	03 22 50.0	+0.1
L21A	Rawlins	77.46	46	↑P	P	03 22 49.5	-0.5
SRU	San Rafael	77.48	50	eP	P	03 22 49.5	-0.5
SRU	Teasdale	77.48	50	eP	pmax	03 22 49.6	-0.5
SRU	San Rafael	77.48	50	eP	pmax		
K22A	comp-Z,16nm,0.9s,mb5.0						
K22A	Casper	77.48	45	↓P	P	03 22 50.4	+0.4
MUD	Monsted U'grnd	77.49	336	↑P	P	03 22 49.9	+0.1
MUD				pmax	pmax		
MUD	comp-Z,26nm,0.9s,mb5.2				MLR		
MUD					MLR		
MUD	comp-Z,2um,16.0s,MS5.5						
MUD	Monsted U'grnd	77.49	336	↑P	P	03 22 49.9	+0.1
MUD							
MUD	comp-Z,2um,16.0s						
KWP	Kalwaria Pacla	77.51	325	eP	P	03 22 50.7	+0.6
KWP				eP	pP	03 22 54.6	-3.3
KWP				eP	PP	03 25 43.0	-1.2
KWP				LMZ		03 57 15.6	
KWP	comp-Z,700nm,21.1s						
KWP	Kalwaria Pacla	77.51	325	eP	LR	03 22 50.5	+0.4
KWP					LR		
KWP	comp-Z,2um,16.0s,MS5.5						
KWP	Kalwaria Pacla	77.51	325	eP	P	03 22 50.7	+0.6
KWP				ePP	pP	03 22 54.6	-3.3
KWP				e		03 25 43.0	
KWP				pmax	pmax		
KWP	comp-Z,700nm,3.3s				MLR		
KWP					MLR		
KWP	comp-Z,700nm,21.1s,MS5.0						
KWP	Kalwaria Pacla	77.51	325	↑P	P	03 22 50.7	+0.6
KWP	Lac du Bonnet	77.52	34	↓P	P	03 22 49.2	-0.9
ULM	comp-Z,4.2nm,0.9s,mb4.4, baz=287,slow=4.3,SNR=4.8				LR	03 56 37.9	
ULM					LR		
ULM	comp-Z,357nm,18.4s,MS4.7, baz=336,slow=39						
ULM	Lac du Bonnet	77.52	34	↓P	P	03 22 49.2	-0.9
ULM	Lac du Bonnet	77.52	34	↓P	P	03 22 49.2	-0.9
ULM				pmax	pmax		
ULM	comp-Z,4.0nm,0.9s				MLR		
ULM					MLR		
MDND	Maddock	77.52	38	↑P	P	03 22 50.2	0.0
O19A	Miners Draw (B	77.54	48	↓P	P	03 22 50.9	+0.5
BALT	Daday	77.62	314	↑P	P	03 22 50.9	+0.1
MONP	Monument Peak	77.65	58	↑P	P	03 22 51.1	-0.1
TLCR		77.66	319	↑P	P	03 22 50.8	-0.2
TLCR		77.66	319	↑P	P	03 22 50.8	-0.2
N20A	Spence Gulch,	77.69	47	↓P	P	03 22 51.0	-0.2
IRM	Iron Mountain	77.70	56	↓P	P	03 22 51.4	-0.1
M21A	Separation Pea	77.70	46	↓P	P	03 22 51.4	-0.1
S16A	Weppner Ranch,	77.71	51	↓P	P	03 22 51.2	-0.2
Q18A	Rafter H Ranch	77.72	50	↓P	P	03 22 51.4	0.0
RWWY	Rawlins	77.73	46	eP	P	03 22 51.2	-0.3
ILGA	Ilgaz	77.75	313	i P	P	03 22 52.1	+0.6
GUR0	Bucovina Ar. S	77.76	322	eP	P	03 22 51.0	-0.2
BUR08		77.76	322	eP	pP	03 25 44.0	-1.9
BURAR	Bucovina Array	77.78	322	↑P	P	03 22 51.9	+0.3
BURAR	Bucovina Array	77.78	322	↑P	P	03 22 51.9	+0.3
GHRH		77.78	320	↑P	P	03 22 52.5	+0.8
R17A	Hanksville Air	77.81	50	↓P	P	03 22 51.7	-0.2
BC3	Big Chuckawall	77.81	57	↓P	P	03 22 52.4	+0.3
TESR	Black Hills	77.85	321	↑P			

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like T19A Beclabto, ISCO Idaho Springs, and various other stations.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like X19A St. Johns, PLN Plauen, and various other stations.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like X22A Bernardo, ANMO Albuquerque, and various other stations.



Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like JTS, SDDR, VVDA, TOR, etc.

IDC 04 03:13:14.9-1.2, 12.74N-142.62E, h0km, mb3.9/7, mb1 4.0/7, mb1mx3.8/23, mbmtmp3.9/7, Error ellipse: s-maj=47.8km s-min=21.1km az=87.0, South of Mariana Islands

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

CSEM 04 03:36:48.0-0.3, 43.60N-133.7E, h15km, ML2.7/4, Error ellipse: s-maj=6.9km s-min=4.3km az=4.0, ROM 04 03:36:48.0-0.3, 43.67N-133.3E, h2km, Md2.0/8, M11.7/4, Error ellipse: s-maj=3.7km s-min=1.4km az=21.0, ISCJB 04 03:36:49.0-0.6, 43.59N-133.3E, h2km, Md2.1/1, Error ellipse: s-maj=8.0km s-min=4.7km az=179.0, ISC 04 03:36:48.0-0.7, 43.53N-133.0E, h13.39E, 0.04, h19km, 8km, n18, -19/4/34, Central Italy

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like AOI, CING, FSSB, GUMA, etc.

ISC 04 03:55:55.7, 39.62N-38.50E, h5km, MD3.0, DDA 04 03:55:55.1, 39.64N-38.55E, h6km, 5km, Md2.9, CSEM 04 03:55:56.0-0.2, 39.65N-38.48E, h2km, MD2.9, Error ellipse: s-maj=5.2km s-min=4.2km az=66.0, ISCJB 04 03:55:57.1-0.4, 39.65N-38.48E, h2km, MD2.9, Error ellipse: s-maj=3.6km s-min=3.0km az=156.4, ISC 04 03:55:57.0-0.4, 39.64N-38.48E, 0.04, h10km, n40, -113/62, Turkey

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

IDC 04 03:40:22.0-1.1, 25.56S-180.00W, h421km, 118km, mb3.3/3, mb1 3.4/4, mb1mx3.2/15, mbmtmp3.3/8, Error ellipse: s-maj=84.4km s-min=41.9km az=23.0, South of Fiji Islands

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

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

ISCJB 04 03:45:34.8-0.4, 43.65N-133.40E, 0.03, h9km, 5km, Error ellipse: s-maj=4.1km s-min=3.9km az=6.9, CSEM 04 03:45:35.7-0.2, 43.61N-133.7E, h10km, ML2.9/11, Error ellipse: s-maj=4.0km s-min=3.5km az=144.0, ROM 04 03:45:35.1-0.2, 43.65N-133.3E, h4km, 2km, Md2.5/11, Md2.3/9, Error ellipse: s-maj=3.1km s-min=1.7km az=31.0, VIE 04 03:45:39.1-0.7, 43.81N-133.26E, h10km, mb2.3/1, ML2.5/3, Error ellipse: s-maj=7.0km s-min=4.9km az=115.0, 65 km E of San Marino

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

ISC 04 03:45:36.0-0.4, 43.63N-133.38E, 0.03, h11km, 5km, n34, -193/64, 1C-3D, Central Italy

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

ISC 04 03:45:57.1-0.3, 43.63N-38.48E, 0.04, h10km, n40, -113/62, Turkey

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

ISC 04 03:45:57.1-0.3, 43.63N-38.48E, 0.04, h10km, n40, -113/62, Turkey

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

ISC 04 03:45:57.1-0.3, 43.63N-38.48E, 0.04, h10km, n40, -113/62, Turkey

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

ISC 04 03:45:57.1-0.3, 43.63N-38.48E, 0.04, h10km, n40, -113/62, Turkey

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

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

IDC 04 04:07:03.9-3.0, 31.81S-179.35E, h483km, 31km, mb3.8/5, mb1 3.9/7, mb1mx3.7/15, mbmtmp3.8/7, Error ellipse: s-maj=34.9km s-min=22.5km az=27.0, ISCJB 04 04:07:05.9-1.2, 32.2S-0.1, 179.4E-0.2, h537km, 14km, mb4.4/10, Error ellipse: s-maj=21.8km s-min=16.4km az=170.5, NEIC 04 04:07:06.5-1.6, 32.00S-179.29E, h517km, 17km, mb4.4/5, Error ellipse: s-maj=28.7km s-min=17.3km az=207.0, ISC 04 04:07:08.2-1.2, 32.3S-0.1, 179.3E-0.2, h548km, 13km, n60, -098/88, mb4.4/10, South of Kermadec Islands

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

ISC 04 04:07:08.2-1.2, 32.3S-0.1, 179.3E-0.2, h548km, 13km, n60, -098/88, mb4.4/10, South of Kermadec Islands

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

ISC 04 04:07:08.2-1.2, 32.3S-0.1, 179.3E-0.2, h548km, 13km, n60, -098/88, mb4.4/10, South of Kermadec Islands

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

ISC 04 04:07:08.2-1.2, 32.3S-0.1, 179.3E-0.2, h548km, 13km, n60, -098/88, mb4.4/10, South of Kermadec Islands

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

ISC 04 04:07:08.2-1.2, 32.3S-0.1, 179.3E-0.2, h548km, 13km, n60, -098/88, mb4.4/10, South of Kermadec Islands

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

ISC 04 04:12:27.0-0.7, 38.65N-104.310E, 0.03, h2km, 8km, Error ellipse: s-maj=6.5km s-min=4.2km az=5.3, CSEM 04 04:12:27.0-0.2, 38.65N-104.310E, h2km, Md2.7, Error ellipse: s-maj=4.6km s-min=3.4km az=5.0, DDA 04 04:12:27.8-0.6, 38.65N-104.310E, h10km, 2km, Md2.8, ISC 04 04:12:27.8-0.6, 38.65N-104.310E, 0.03, h8km, 5km, n15, -093/28, Turkey

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



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SHUT, KIZIT, KADINHANI, SIVRIHISAR-ESK, etc.

JMA 04 04:33:53.1, 0.24, 56N, 122.40E, h64km, 1km, M2, 2

Main table of station data for JMA region, including stations like Suao, ENA, YOJ, TWD, etc.

ISC 04 05:56:54.5, 1.4, 11.27S, 164.75E, h0km, mb4.2/7, mb1 4.0/5, mb1mx4.2/18, mbtmp4.3/9, ML4.3/2, MS3.5/8, Ms1 3.5/8, ms1mx3.3/24, Error ellipse: s-maj=49.9km s-min=21.6km az=144.0

ISCJB 04 05:57:02.0, 4.0, 11.1S, 0.1, 164.4E, 0.2, h58km, 31km, mb4.2/10, MS3.5/7, Error ellipse: s-maj=30.8km s-min=20.6km az=29.0

NEIC 04 05:57:03.5, 3.1, 11.05S, 164.47E, h59km, 24km, mb4.4/4, Error ellipse: s-maj=28.6km s-min=13.9km az=122.0

ISC 04 05:57:03.0, 3.6, 11.1S, 0.1, 164.5E, 0.2, h54km, 29km, n31, 0.67/24, mb4.2/10, MS3.5/7, Santa Cruz Islands region

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

Main table of station data for 2008 DEC, including stations like HNR, CTA, AFI, URZ, STKA, WRAB, WRA, GUMO, ASAR, FITZ, KRSR, PETK, SONM, ILAR, NVAR, MKAR, ZALV, TORD, etc.

TRN 04 05:12:24.4, 13.85N, 60.43W, h15km, MD3.5, M3.4(FDF), 2D, Windward Islands

Table of station data for TRN region, including stations like MCLT, SLW, SLB, MVM, BHM, BHS, BIM, SVV, SVB, FCV, FDF, etc.

ISC 04 05:24:16.6, 2.3, 10.06S, 66.77E, h0km, mb3.8/5, mb1 4.0/5, mb1mx3.6/23, mbtmp3.8/5, MS3.7/2, Ms1 3.6/2, ms1mx3.0/28, Error ellipse: s-maj=83.0km s-min=27.6km az=58.0, Mid-Indian Ridge

Table of station data for ISC region, including stations like MAW, MKAR, ASAR, ZALV, WRA, WRA, SONM, NVAR, etc.

SKHL 04 05:28:23.0, 0.7, 52.20N, 142.40E, h10km, mb4.4/5, msh4.7/1, Sakhalin Island

Table of station data for SKHL region, including stations like TYV, OKH, NKL, UGL, etc.

Table of station data for 4d 5h region, including stations like YSS, EKMR, etc.

GUC 04 05:33:58.6, 1.0, 22.77S, 70.47W, h36km, 3km, ML3.7, 2C-4D, Near coast of northern Chile

Table of station data for GUC region, including stations like MECH, MACH, ANCH, PB04, etc.

NEIC 04 05:38:13.1, 1.6, 36N, 95.10W, h65km, MD4.2(MEX), After MEX

MEX 04 05:38:12.9, 1.0, 16.35N, 95.09W, h65km, 17km, MD4.2, Oaxaca

Table of station data for MEX region, including stations like CMIG, HUIG, OAXA, VHO, etc.

ISCJB 04 05:43:17.1, 0.6, 51.45N, 0.03, 16.12E, 0.03, h0km, Error ellipse: s-maj=4.8km s-min=2.7km az=15.9

CSEM 04 05:43:18.2, 0.3, 51.51N, 16.17E, h2km, ML3.4/5, Error ellipse: s-maj=5.2km s-min=3.6km az=55.0

WAR 04 05:43:19.8, 51.48N, 16.11E, ML2.5, Mining Induced PRU 04 05:43:20.3, 51.43N, 16.07E, h0km

VIE 04 05:43:20.6, 0.4, 51.33N, 16.12E, h0km, mb2.2/2, ML2.8/4, Error ellipse: s-maj=2.5km s-min=2.4km az=170.0 67km WNW of Wroclaw Suspected Mining induced.

ISC 04 05:44:33.2, 0.5, 51.49N, 0.03, 16.10E, 0.03, h0km, n38, 0.95/64, 3C-2D, Poland

Table of station data for ISC region, including stations like KSP, UPIC, DPC, PVCC, etc.





















UTMO Huajupan 3.15 77 iS Pn 15 09 04.0 -3.4

KRSC 04 15:16:21.0-0.4,50.35N;159.27E,h10km,10km,ML3.6, East of Kuril Islands

IDC 04 15:17:33.4+1.3,17.95N;146.20E,h0km,mb3.2/4, mb1 3.5/4, mb1mx3.4/2.0, mbtmp3.2/4, Error ellipse: s-maj=58.1km s-min=24.3km az=97.0, Mariana Islands

ISCJB 04 15:27:44.9-0.7,16.2S;02:176.4W;0.1, h397km, 10km, mb3.5/9, Error ellipse: s-maj=31.9km s-min=11.2km az=149.5

IDC 04 15:27:44.4+1.4,16.10S;176.55W,h374km,17km,mb3.3/8, mb1 3.5/9, mb1mx3.3/18, mbtmp3.3/8, Error ellipse: s-maj=29.4km s-min=12.5km az=138.0

NEIC 04 15:27:45.0-0.7,16.21S;176.43W,h394km,7km,mb4.1/2, Error ellipse: s-maj=20.9km s-min=9.0km az=146.0

ISC 04 15:27:45.6-0.7,16.25S;176.40W,0.1,h388km,9km,n29, s106/25,mb3.5/9,Fiji Islands region

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC Pn 15 29 07.3 +0.1

ISCJB 04 16:08:16.9-0.9,32.53N;0:04:105.27E;0.06,h5km,8km, mb3.8/2, Error ellipse: s-maj=10.0km s-min=6.0km az=34.5

IDC 04 16:08:16.8-2.9,32.64N;104.83E,h0km,mb3.6/2, mb1 3.6/4, mb1mx3.3/26, mbtmp3.3/4, ML3.3/2, Error ellipse: s-maj=96.6km s-min=42.5km az=92.0

BUI 04 16:08:22.9,32.36N;105.16E,h7km,ML3.3/10

ISC 04 16:08:19.8-0.9,32.47N;0:05:105.26E;0.06,h4km,9km, n7, s114/12, mb3.8/2, Sichuan

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC Pn 16 08 59.9 +1.4

KISR 04 16:17:54.9-0.6,26.76N;53.84E,h34km,999km,ML3.2

TEH 04 16:17:56.3,26.92N;54.42E,h14km

IDC 04 16:18:02.0-4.8,27.45N;52.77E,h0km,mb4.0/5, s-maj=107.1km s-min=31.4km az=116.0

ISC 04 16:17:54.7-2.7,26.69N;0:10:54.29E;0.06,h6km,16km, n16, s19/12, mb3.9/6, Southern IR

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC Pn 16 19 01.6 +2.1

comp=Z,1um,0.3s Pars 3.33 341 ePn Pn 16 18 48.6 +1.4

IDC 04 16:18:07.1+1.6,7.97S;159.83E,h0km,mb3.3/3, mb1 3.6/3, mb1mx3.4/16, mbtmp3.3/3, Error ellipse: s-maj=42.1km s-min=27.9km az=107.0, Bougainville - Solomon Islands region

ISCJB 04 16:23:56.6-0.7,45.43N;149.95E,h30km,M4.0,Kuril Islands

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC Pn 16 24 11.6 -0.2

ISCJB 04 16:35:12.9-1.7,32.77S;0:09:138.47E;0.07,h11km,14km, Error ellipse: s-maj=14.8km s-min=9.9km az=165.2

NEIC 04 16:35:12.0,33.41S;138.39E,h10km,ML3.1(AUST), After AUST

AUST 04 16:35:12.1,33.41S;138.39E,h10km,ML3.1

IDC 04 16:35:14.6-5.3,32.83S;138.35E,h0km,mb1 3.3/3, mb1mx3.2/13, mbtmp3.1/3, ML2.8/3, Error ellipse: s-maj=79.8km s-min=20.8km az=12.0

ISC 04 16:35:13.7-1.9,32.89S;0:09:138.41E;0.06,h4km,14km, n14, s19/27, Near coast of South Australia

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC Pn 16 37 46.0 -4.4

LGD 04 16:46:55.2-0.4,21:05S;68:87W,h10km,mb5.2/11, Ms4.3/10, Error ellipse: s-maj=49.0km s-min=16.9km az=150.0

DJA 04 16:47:06.23;08S;67.56W,h10km,mb5.5/8

GUC 04 16:47:08.2-0.8,21:50S;68.63W,h12km,5km,ML5.3

ISCJB 04 16:47:08.0-1.1,21:33S;0:03:68.38W;0.03,h115km, mb5.4/184, Error ellipse: s-maj=4.7km s-min=3.1km az=145.7

MOS 04 16:47:08.7-1.1,21:13S;68.41W,h108km,mb5.5/48, Ms4.6/5, Error ellipse: s-maj=11.3km s-min=6.2km az=109.8

IDC 04 16:47:08.9-1.5,21:44S;68.28W,h107km,12km,mb5.0/14, mb1 5.1/17, mb1mx5.0/17, mbtmp5.0/17, Ms4.5/15, Ms1 4.4/15, ms1mx4.3/27, Error ellipse: s-maj=14.2km s-min=11.7km az=59.0

NEIC 04 16:47:09.6-0.1,21:39S;68:29W,mb5.5/159,MW5.5, Moment Tensor Solution, s26 Moment Tensor, Scale 10^17Nm; Mm-1.22; Mm1.6; Mm2.0; Mm3.0; Mm4.0; Mm5.0; Mm6.0; Mm7.0; Mm8.0; Mm9.0; Mm10.0; Mm11.0; Mm12.0; Mm13.0; Mm14.0; Mm15.0; Mm16.0; Mm17.0; Mm18.0; Mm19.0; Mm20.0; Mm21.0; Mm22.0; Mm23.0; Mm24.0; Mm25.0; Mm26.0; Mm27.0; Mm28.0; Mm29.0; Mm30.0; Mm31.0; Mm32.0; Mm33.0; Mm34.0; Mm35.0; Mm36.0; Mm37.0; Mm38.0; Mm39.0; Mm40.0; Mm41.0; Mm42.0; Mm43.0; Mm44.0; Mm45.0; Mm46.0; Mm47.0; Mm48.0; Mm49.0; Mm50.0; Mm51.0; Mm52.0; Mm53.0; Mm54.0; Mm55.0; Mm56.0; Mm57.0; Mm58.0; Mm59.0; Mm60.0; Mm61.0; Mm62.0; Mm63.0; Mm64.0; Mm65.0; Mm66.0; Mm67.0; Mm68.0; Mm69.0; Mm70.0; Mm71.0; Mm72.0; Mm73.0; Mm74.0; Mm75.0; Mm76.0; Mm77.0; Mm78.0; Mm79.0; Mm80.0; Mm81.0; Mm82.0; Mm83.0; Mm84.0; Mm85.0; Mm86.0; Mm87.0; Mm88.0; Mm89.0; Mm90.0; Mm91.0; Mm92.0; Mm93.0; Mm94.0; Mm95.0; Mm96.0; Mm97.0; Mm98.0; Mm99.0; Mm100.0

GCMT 04 16:47:15.8-0.2,21:16S;68:64W,h129km,1km,MW5.5, Moment Tensor Solution, s97,c157; s8,c8; Moment Tensor, Scale 10^17Nm; Mm-1.82; Mm1.82; Mm2.0; Mm3.0; Mm4.0; Mm5.0; Mm6.0; Mm7.0; Mm8.0; Mm9.0; Mm10.0; Mm11.0; Mm12.0; Mm13.0; Mm14.0; Mm15.0; Mm16.0; Mm17.0; Mm18.0; Mm19.0; Mm20.0; Mm21.0; Mm22.0; Mm23.0; Mm24.0; Mm25.0; Mm26.0; Mm27.0; Mm28.0; Mm29.0; Mm30.0; Mm31.0; Mm32.0; Mm33.0; Mm34.0; Mm35.0; Mm36.0; Mm37.0; Mm38.0; Mm39.0; Mm40.0; Mm41.0; Mm42.0; Mm43.0; Mm44.0; Mm45.0; Mm46.0; Mm47.0; Mm48.0; Mm49.0; Mm50.0; Mm51.0; Mm52.0; Mm53.0; Mm54.0; Mm55.0; Mm56.0; Mm57.0; Mm58.0; Mm59.0; Mm60.0; Mm61.0; Mm62.0; Mm63.0; Mm64.0; Mm65.0; Mm66.0; Mm67.0; Mm68.0; Mm69.0; Mm70.0; Mm71.0; Mm72.0; Mm73.0; Mm74.0; Mm75.0; Mm76.0; Mm77.0; Mm78.0; Mm79.0; Mm80.0; Mm81.0; Mm82.0; Mm83.0; Mm84.0; Mm85.0; Mm86.0; Mm87.0; Mm88.0; Mm89.0; Mm90.0; Mm91.0; Mm92.0; Mm93.0; Mm94.0; Mm95.0; Mm96.0; Mm97.0; Mm98.0; Mm99.0; Mm100.0

BUI 04 16:47:10.6-0.1,21:35S;68:25W,h10km,mb5.4/21

ISC 04 16:47:10.6-0.1,21:35S;68:25W,h10km,mb5.4/21

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC Pn 16 47 28.3 +4.3

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC Pn 16 47 42.9 -6.4

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC Pn 16 42 20.1 +1.3

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC Pn 16 42 50.8 -0.1

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC Pn 16 42 56.5 +0.3

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC Pn 16 42 56.5 +0.3

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Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC Pn 16 42 56.5 +0.3

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC Pn 16 42 56.5 +0.3

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC Pn 16 42 56.5 +0.3

4d 16h

Table with columns for ID, Name, Date, Time, and various codes. Includes entries like PB09 Plate Boundary, PB01 Plate Boundary, PB04 Plate Boundary, etc.

2008 DEC

Table with columns for ID, Name, Date, Time, and various codes. Includes entries like LSP LRS Lares, LRS LRS Lares, LRS LRS Lares, etc.

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Table with columns for ID, Name, Date, Time, and various codes. Includes entries like SNA4 Sanae, SNA4 Sanae, SNA4 Sanae, etc.









4d 16h

Table with columns: STKA, Stephens Creek, 119.85 209, ePKP, PKPdf, 17 05 46.6 -0.9, etc. Includes rows for Roma, Garni, Bilbino, Narrogin (SRO), etc.

2008 DEC

Table with columns: ZALV, comp=N,41nm,0.7s,baz=302,slow=2.6,SNR=44, PKP, PKPdf, 17 06 27.2 -0.3, etc. Includes rows for Zalesovo Beam, Erkin-Say, Aml, etc.

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Table with columns: ZAK, comp=Z,8.0nm,1.6s, pmax, pmax, 17 06 42.5 -1.3, etc. Includes rows for Ambon, Karangates, Wanaagama, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KOLONICKE sedl, Kolonickie Huta, Uzhgorod, Vrnicioia, Cervenica-Dubn, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like LDF, MEZF, SGMF, GRR, WTTA, SFTT, SFTF, HAU, HAU, HAU, ABTA, HNF, HNF, HNF, VISS, BOJ, JAVS, SOJ, ESDC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 04 18:34:16.0, PMG, PMG, WRA, ASAR, FITZ, ILAR, etc.





4d 20h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GRB2, GRES, WLF, GZR, BZS, FLN, etc.

IDC 04 19:29:59.9.1.6, 10.56N, 148.58E, h0km, mb3.6/4, mb1 3.8/4, mb1mx3.6/2.0, mbtmp3.6/4, MS3.0/1, Ms1 3.0/1, ms1mx2.6/2.2, Error ellipse: s-maj=54.2km s-min=30.5km az=104.0, Eastern Caroline Islands region

NEIC 04 19:41:56.4, 38.05S, 175.86E, h186km, MG3.5(WEL), After WEL. WEL 04 19:41:56.7, 0.4, 38.07S, 175.88E, h186km, 3km, ML3.5/1/1, Error ellipse: s-maj=3.5km s-min=3.4km az=90.0, North Island

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

2008 DEC

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

IDC 04 19:42:23.4, 22.0, 51.03N, 170.80E, h0km, mb3.4/3, mb1 3.6/3, mb1mx3.3/2.4, mbtmp3.4/3, Error ellipse: s-maj=734.3km s-min=46.6km az=70.0, Near Islands region

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

IDC 04 19:52:47.7, 4.1, 8.93N, 92.24E, h0km, mb3.5/3, mb1 3.6/3, mb1mx3.3/2.3, mbtmp3.5/3, Error ellipse: s-maj=148.9km s-min=29.4km az=63.0, Nicobar Islands region

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

DJA 04 20:01:05, 7.60S, 109.81E, h14km, MLV3.1/9, ISCBJ 04 20:01:06.1, 0.8, 7.61S, 109.80E, 0.05, h33km, mb3.4/3, Error ellipse: s-maj=10.2km s-min=7.4km az=16.1

IDC 04 20:01:13.6, 40.0, 8.70S, 110.38E, h0km, mb3.5/3, mb1 3.7/3, mb1mx3.3/1.7, mbtmp3.5/3, Error ellipse: s-maj=604.5km s-min=136.2km az=126.0

ISC 04 20:01:07.7, 0.8, 7.61S, 109.80E, 0.05, h35km, n13, s=171/17, mb3.4/3, Jawa

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

ASAR 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

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

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

NEIC 04 20:25:54.3, 0.9, 27.65N, 102.142, 62E, 0.05, h21km, 6km, mb4.7/89, MS4.3/25, Error ellipse: s-maj=6.8km s-min=4.2km az=179.5

Table with columns for station name, frequency, power, and other technical details. Includes stations like SONM, YAK, KMI, BOD, GTA, CHTO, CMAR, HVS, LSA, SHL, WRAB, WRA, FITZ, TAPN, ODAN, ZALV, RAMN, JIRN, GUN, PKI, KKN, NVS, MK31, and MKAR.

Table with columns for station name, frequency, power, and other technical details. Includes stations like MKAR, DMN, GKN, ASAR, ASAR, DANN, DANN, KOLN, KOLN, PYUN, KURK, KURK, DZM, TKM2, TKM2, PMR, PMR, AAK, AAK, ILAR, ILAR, ILAR, ILAR, BVAO, BVAO, BVAR, BVAR, BVAR, BVAR, BRVK, BRVK, BRVK, BRVK, STKA, STKA, STKA, STKA, KK31, KK31, KKAR, KKAR, KKAR, KKAR, HYB, HYB, SVE, SVE, POO, POO, ARU, ARU, ARU, ARU, AB31, AB31, ABKAR, ABKAR, AKTO, AKTO, YKA, YKA, YKA, YKA, ARCES, ARCES, ARCES, ARCES, ARCES, ARCES, JOF, JOF, JOF, JOF, MAK, MAK, MAK, MAK, OBN, OBN, OBN, OBN, VSR, VSR, VSR, VSR, KAF, KAF, KAF, KAF, BMO, BMO, FINES, FINES, FINES, FINES, ZEI, ZEI, ZEI, ZEI.

Table with columns for station name, frequency, power, and other technical details. Includes stations like BSMT, KIV, KIV, KIV, KIV, JMTM, GNI, GNI, GNI, GNI, SWLT, SWLT, PPT, PPT, NVAR, NVAR, NVAR, NVAR, LRM, LRM, BOZ, BOZ, BOZ, BOZ, QLMT, QLMT, YMR, YMR, IMW, IMW, RR12, RR12, FLWY, FLWY, TPWA, TPWA, AKASG, AKASG, AKASG, AKASG, TBI, TBI, DUG, DUG, DUG, DUG, HFS, HFS, HFS, HFS, HFS, HFS, NOA, NOA, NOA, NOA, NOA, NOA, PDAR, PDAR, PDAR, PDAR, MSU, MSU, MSU, MSU, SRU, SRU, SRU, SRU, BRTR, BRTR, BRTR, BRTR, WUAZ, WUAZ, PV01, PV01, ULM, ULM, OJC, OJC, OJC, OJC, AGMN, AGMN, CLL, CLL, CLL, CLL, KHC, KHC, KHC, KHC, GERES, GERES, GERES, GERES, TXAR, TXAR, TXAR, TXAR, TXAR, TXAR.

ADC 04 20:35:07.7, 5.3, 35:39N-21:98E, h78km, 33km, mb3, 777, mb1 3, 711, mb1 mx3, 5/29, mbtmp3, 7/11, Error ellipse: s-maj=74.4km s-min=24.4km az=40.0 NEIC 04 20:35:09.6, 3.1, 35:39N-22:06E, h99km, 20km, Error ellipse: s-maj=41.7km s-min=16.2km az=54.0 ISCBJ 04 20:35:11.0, 0.4, 35:81N-03:22:36E, 0.05, h104km, 4km, mb3, 8/7, Error ellipse: s-maj=7.5km s-min=3.3km az=146.3 CSEM 04 20:35:11.9, 0.2, 35:80N-22:35E, h96km, 2km, ML3, 7, Error ellipse: s-maj=7.3km s-min=3.0km az=57.0 ATH 04 20:35:12.4, 35:97N-22:39E, h103km, 1km, ML3, 7 THE 04 20:35:13.5, 35:91N-22:41E, h98km, 3km, ML3, 7, 7, Error ellipse: s-maj=3.4km s-min=0.9km az=49.0 ISC 04 20:35:12.0, 0.4, 35:81N-03:22:36E, 0.05, h94km, 5km, h163, 11912/214, mb3, 8/7, Central Mediterranean Sea Code Station Name Az Phase ID Time Res Op h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KYTH Kithira, VLI Veliai, KAR Karanos, ITM Ithomi, VAM Vamos, GVD Gavdhos, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BAI Bari, SWA2 baz=159, SWA2 Castel del Mon, 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, CHTO Chiang Mai, etc.



4k 22h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like GTA, ENH, ZALV, NVS, DLBC, GYA, KURK, MKAR, RES, YKA, SPITS, KMI, BVAR, SVE, LSA, TKM2, ARU, CHMS, KBK, AAK, KEV, EKS2, EKS3, and E03A.

2008 DEC

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like AML, ARCES, ETW, SHL, KKAR, HOOD, C00A, CHTO, NEW, TAPN, CMAR, ABKAR, ODAN, ODAN, E09A, SUMG, C11A, AKTO, JIRN, GUN, A13A, RAMN, C12B, KKN, B13A, PKI, A14A, BSMT, GKN, DMN, F10A, BLMT, I07A, C13A, A15A, DANN, K05A, YBMT, JOF, C14A, I12A, SWMT, B15A, A16A, FFC, B16A, MSO, C15A, D14A, J08A, F12A, A17A, E13A, C16A, G12A, E14A, B17A, F13A, A18A, D15A, E15A, B18A.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like C17A, D16A, G13A, H12A, HRY, EGMT, B19A, E16A, G14A, KAF, D17A, F15A, MFID, H13A, A20A, H12A, C19A, E17A, H14A, A21A, F16A, G15A, I13A, FINES, FINES, BOZ, BOZ, BOZ, HLID, E18A, G16A, H15A, WCN, D19A, F17A, I14A, J13A, A22A, C21A, D20A, G17A, QLMT, J14A, F18A, B22A, E19A, GCMT, H16A, YMR, A24A, C22A, G18A, I16A, LKWY, LKWY, H17A, K14A, DGMT, C23A, RLMT, RLMT, E21A, F20A, NVAR, NVAR, K15A, H18A, J16A, I17A, L14A, RRI2.



LAO	comp=Z,9.3nm,0.7s,mb4.2	60.06	51	↑P	P	22 59 19.1	+0.3
LOHW	LASA Array	60.17	56	↑P	P	22 59 20.1	+0.6
D23A	Long Hollow	60.18	56	↑P	P	22 59 19.8	+0.2
G20A	comp=Z,7.8nm,1.1s,mb4.0	60.19	54	↑P	P	22 59 19.7	+0.2
K16A	Lindsay	60.24	57	↑P	P	22 59 21.1	+1.2
J17A	Brider	60.30	57	↑P	P	22 59 20.8	+0.4
E22A	Soda Springs	60.38	51	↑P	P	22 59 20.9	+0.1
L15A	Miles City	60.43	59	↑P	P	22 59 21.8	+0.6
I18A	Malad City	60.50	56	↑P	P	22 59 22.2	+0.5
D24A	Diamond G Ranch	60.63	50	↑P	P	22 59 22.9	+0.4
E23A	Glendive	60.63	51	↑P	P	22 59 22.5	0.0
I19A	Ismy	60.67	55	↑P	P	22 59 23.2	+0.4
G21A	Meeteetse	60.67	53	↑P	P	22 59 22.7	-0.1
F22A	Lodge Grass	60.72	52	↑P	P	22 59 22.8	-0.3
M15A	Rosebud	60.79	59	↑P	P	22 59 24.1	+0.5
E24A	Larsen Ranch,	61.05	50	↑P	P	22 59 25.3	+0.1
L17A	Baker	61.14	58	↑P	P	22 59 25.7	-0.2
HWUT	Cokeville	61.14	58	↑P	P	22 59 26.1	+0.2
I20A	Hardware Ranch	61.16	54	↑P	P	22 59 26.3	+0.3
F23A	World	61.16	51	↑P	P	22 59 25.9	0.0
K18A	Volborg	61.16	57	↑P	P	22 59 26.3	+0.3
N15A	Toltan Ranch,	61.17	60	↑P	P	22 59 26.5	+0.4
H21A	Stansbury Isla	61.19	53	↑P	P	22 59 26.1	-0.1
J19A	Big Horn, Sher	61.20	56	↑P	P	22 59 26.5	+0.2
BW06	Crowheart	61.31	56	↑P	P	22 59 26.9	-0.1
PDAR	Gouldier Array	61.31	56	↑P	P	22 59 26.9	-0.1
PDAR	Pinedale Array	61.31	56	↑P	P	22 59 26.9	-0.1
GR11C	comp=Z,7.4nm,0.8s,mb4.1,baz=335,slow=1.6,SNR=36	61.39	64	↑P	P	22 59 27.6	0.0
R17A	Troy Canyon, C	61.40	66	↑P	P	22 59 28.1	+0.4
CWC	Grapevine Rang	61.41	67	↑P	P	22 59 28.0	+0.2
F24A	Cottonwood Cre	61.52	51	↑P	P	22 59 28.7	+0.3
DUG	Ekalaka	61.52	60	↑P	P	22 59 28.6	+0.1
DUG	Dugway	61.52	60	↑P	P	22 59 28.8	+0.4
DUG	Dugway	61.52	60	↑P	P	22 59 28.8	+0.4
PKM	comp=Z,8.0nm,0.8s,mb4.2	61.56	69	↑P	P	22 59 29.4	+0.6
J20A	Peak Mountain	61.62	55	↑P	P	22 59 29.1	+0.1
K19A	Shoshoni	61.63	56	↑P	P	22 59 28.7	-0.3
O15A	Absocon Red Bu	61.64	60	↑P	P	22 59 29.5	+0.3
A11A	The Old Anders	61.67	54	↑P	P	22 59 29.3	0.0
L18A	Big Trails, Te	61.70	57	↑P	P	22 59 29.5	+0.1
M17A	Fontenelle, Gr	61.70	58	↑P	P	22 59 29.4	-0.1
N16A	Scully's Gap (B	61.73	59	↑P	P	22 59 29.5	-0.4
ISA	Rees Ranch, Co	61.76	68	↑P	P	22 59 29.6	-0.4
L19A	Isabella	61.90	57	↑P	P	22 59 30.4	-0.5
G24A	Farson	61.92	51	↑P	P	22 59 30.5	-0.4
J21A	Alzada	61.94	55	↑P	P	22 59 31.7	+0.7
ULM	Lysite	61.94	43	↑P	P	22 59 29.6	-1.3
ULM	Lac du Bonnet	61.94	43	↑P	P	22 59 29.6	-1.3
ULM	comp=Z,2.2nm,0.5s,mb3.9,baz=331,slow=10,SNR=5.3	61.94	43	↑P	P	22 59 29.6	-1.4
K20A	Lac du Bonnet	62.00	56	↑P	P	22 59 30.9	-0.6
MPMC	Yellowstone Ra	62.02	67	↑P	P	22 59 31.6	-0.1
VSR	Manual Prospec	62.04	319	↑P	P	22 59 30.8	-0.8
VSR	Storozhevoje	62.04	319	↑P	P	22 59 30.8	-0.8
VSR	comp=Z,5.0nm,0.7s,mb4.0	62.06	66	↑P	P	22 59 32.3	+0.3
FURC	comp=N,6.0nm,1.0s	62.06	66	↑P	P	22 59 32.3	+0.3
NB2	Furnace Creek,	62.13	340	↑P	P	22 59 31.4	-0.6
NOA	NORSAR Subarra	62.13	340	↑P	P	22 59 31.4	-0.6
NOA	comp=Z,1.8nm,0.6s,mb3.9,baz=25,slow=6.6,SNR=8.3	62.13	340	↑P	P	22 59 31.4	-0.6
NOA	NORSAR Array B	62.13	340	↑P	P	22 59 31.4	-0.6
NOA	NORSAR Array B	62.13	340	↑P	P	22 59 31.4	-0.5
DAU	comp=Z,2.0nm,0.6s	62.17	59	↑P	P	22 59 33.5	+0.9
DAU	Daniels Canyon	62.17	59	↑P	P	22 59 33.5	+0.8
O16A	Daniels Canyon	62.20	59	↑P	P	22 59 32.7	-0.2
MDND	Springville	62.20	47	↑P	P	22 59 32.7	0.0
P15A	Maddock	62.26	60	↑P	P	22 59 33.6	+0.4
LRMC	Learnington	62.33	67	↑P	P	22 59 33.6	-0.2
R13A	Laurel Mountai	62.38	63	↑P	P	22 59 34.2	+0.1
L20A	O'Grain Ranch,	62.48	56	↑P	P	22 59 34.4	-0.2
K21A	Wamsutter	62.56	55	↑P	P	22 59 34.8	-0.3
EDW2	Alcova	62.60	68	↑P	P	22 59 35.7	+0.2
M20A	Turquoise Moun	62.94	56	↑P	P	22 59 37.8	+0.2
GSC	Sweetwater, Wa	62.95	67	↑P	P	22 59 37.9	+0.1
RSSD	Goldstone	63.00	52	↑P	P	22 59 38.0	0.0
RSSD	Black Hills	63.00	52	↑P	P	22 59 38.0	+0.1
TMUT	Black Hills	63.02	60	↑P	P	22 59 38.6	+0.5
MSU	Trail Mountain	63.09	61	↑P	P	22 59 39.6	+1.0
MSU	comp=Z,1.0nm,0.6s,mb3.8	63.09	61	↑P	P	22 59 39.7	+1.1
MSU	Marysval	63.09	61	↑P	P	22 59 39.7	+1.1
P17A	comp=Z,2.0nm,0.6s,mb3.7	63.13	60	↑P	P	22 59 39.1	+0.3
BFSC	Butcher Ranch,	63.26	68	↑P	P	22 59 40.0	+0.2
M21A	Mount Baldy Ra	63.27	56	↑P	P	22 59 39.4	-0.3
P18A	Separation Pea	63.27	59	↑P	P	22 59 40.1	+0.3
TU8Q	Preston Nutter	63.34	66	↑P	P	22 59 40.4	+0.2
O19A	Turquoise Moun	63.35	58	↑P	P	22 59 40.1	-0.2
N20A	Miners Draw (B	63.39	57	↑P	P	22 59 40.5	0.0
L22A	Spence Gulch,	63.41	55	↑P	P	22 59 40.6	0.0
HEC	Ellis Ranch, M	63.56	67	↑P	P	22 59 42.2	+0.5

R16A	Teasdale	63.63	61	↑P	P	22 59 42.6	+0.5
Q18A	Rafter H Ranch	63.72	59	↑P	P	22 59 43.1	+0.4
M22A	Cedar Creek Ra	63.80	55	↑P	P	22 59 43.8	+0.7
P19A	Cripple Cowboy	63.92	58	↑P	P	22 59 43.8	-0.1
O20A	White River Ci	63.92	57	↑P	P	22 59 43.6	-0.3
R17A	Hanksville Air	63.93	60	↑P	P	22 59 44.0	0.0
GMRC	Granite Mounta	63.97	66	↑P	P	22 59 44.3	+0.1
MURC	Murrieta	63.98	68	↑P	P	22 59 44.3	-0.1
S16A	Weppner Ranch,	63.98	61	↑P	P	22 59 44.9	+0.5
LDFC	Landfair	64.05	66	↑P	P	22 59 44.7	-0.1
KAPI	Kappang	64.24	217	↑P	P	22 59 44.9	-1.3
KAPI	Kappang	64.24	217	↑P	P	22 59 44.9	-1.3
O21A	Pagoda	64.26	57	↑P	P	22 59 46.1	+0.1
Q19A	Hogan Spring (	64.28	59	↑P	P	22 59 45.8	-0.4
N22A	Wattenberg Ran	64.32	56	↑P	P	22 59 46.7	+0.2
P20A	De Beque	64.33	58	↑P	P	22 59 46.2	-0.2
BELC	Belle Mtn. Jos	64.36	67	↑P	P	22 59 46.4	-0.4
R18A	Canyonlands Na	64.38	60	↑P	P	22 59 46.3	-0.5
PFO	Pinyon Flat Ob	64.39	68	↑P	P	22 59 46.9	-0.1
S17A	Black Ridge (B	64.47	61	↑P	P	22 59 47.2	-0.2
N23A	Red Feather La	64.51	55	↑P	P	22 59 47.6	0.0
U15A	North Rim	64.58	63	↑P	P	22 59 48.4	+0.3
W13A	Hualapai Mount	64.70	65	↑P	P	22 59 49.0	0.0
IRM	Iron Mountain	64.71	66	↑P	P	22 59 49.1	+0.1
O22A	Kremmling	64.76	56	↑P	P	22 59 49.1	-0.1
R19A	Curley Farm, L	64.78	59	↑P	P	22 59 49.0	-0.4
S18A	Hurst Farm, Bl	64.85	60	↑P	P	22 59 49.4	-0.4
BC3	Big Chockawall	64.92	67	↑P	P	22 59 50.6	+0.3
T17A	Navajo Res., N	64.94	61	↑P	P	22 59 50.3	-0.1
MONP	Movement Peak	64.95	68	↑P	P	22 59 49.8	-0.7
O23A	Lake Granby, G	65.04	56	↑P	P	22 59 51.5	+0.6
S19A	Harvey Farm, M	65.26	60	↑P	P	22 59 51.9	-0.4
SMCO	Snowmass	65.29	57	↑P	P	22 59 52.7	+0.2
DVTC	Desert V Tower	65.30	68	↑P	P	22 59 52.7	-0.1
R20A	Redvale	65.32	59	↑P	P	22 59 53.3	+0.6
U17A	Shonto	65.32	62	↑P	P	22 59 53.2	+0.4
T18A	Mexican Hat	65.33	61	↑P	P	22 59 52.3	-0.5
Y12C	Blythe	65.36	66	↑P	P	22 59 53.4	+0.4
U16A	Tuba City	65.41	62	↑P	P	22 59 53.8	+0.5
ISCO	Idaho Springs	65.50	56	↑P	P	22 59 54.3	+0.5
EYMM	Ely	65.53	42	↑P	P	22 59 52.1	-1.8
Q22A	Crested Butte,	65.56	58	↑P	P	22 59 54.8	+0.6
S20A	Disappointment	65.60	59	↑P	P	22 59 54.7	+0.2
R21A	Climron	65.61	58	↑P	P	22 59 54.6	+0.1
GLA	Glamis	65.71	67	↑P	P	22 59 55.6	+0.3
WUAZ	Wupatki	65.75	63	↑P	P	22 59 56.1	+0.6
U18A	Rough Rock, Ch	65.87	61	↑P	P	22 59 56.7	+0.5
V17A	Tonalee, Kytok	65.98	62	↑P	P	22 59 57.2	+0.3
MVCO	Mesa Verde	65.99	60	↑P	P	22 59 57.2	+0.2
T19A	Beclabito	66.01	60	↑P	P	22 59 57.4	+0.3
S21A	Coal Bank Pass	66.02	59	↑P	P	22 59 57.3	+0.2
Y14A	Wickenburg	66.05	65	↑P	P	22 59 57.6	+0.2
R22A	Saguache, Gunn	66.12	58	↑P	P	22 59 58.5	+0.8
AKASG	Malin Array Be	66.15	325	↑P	P	22 59 56.7	-1.0
AKASG	Malin Array Be	66.15	325	↑P	P	22 59 56.7	-1.0
AKASG	Malin Array Be	66.15	325	↑P	P	22 59 56.7	-1.0
Z13A	Yuma Proving G	66.25	66	↑P	P	22 59 58.9	+0.3
U19A	Dine' College,	66.32	61	↑P	P		

Table with columns: ID, Name, Time, Res, and other details. Includes entries like 527A Woodward Ranch, 428A Kincaid Ranch, 626A Big Bend Ranch, etc.

Table with columns: YLV, YLV, YLV, etc. Includes entries like YLV Yalova, YLV Yalova, YLV Eskisehir, etc.

Table with columns: JAGI, GMJI, KRKI, etc. Includes entries like JAGI Jajag, GMJI Gumukmas, KRKI Karanates, etc.

Code Station Name A° AZ° Op Phase ID Time Res h m s ISC
GTOI Gorontalo 2.91 170° P P 23 14 49.6 -1.3
GTOI Gorontalo 2.91 170° S S 23 15 51.3 -3.0
SGSI Sangihe 3.01 87° P S 23 14 50.2 -1.2

Table with columns: Code, Station Name, A° AZ°, Op, Phase ID, Time, Res, h m s, ISC. Includes entries like GTOI Gorontalo, GTOI Gorontalo, SGSI Sangihe, etc.

Table with columns: JAGI, GMJI, KRKI, etc. Includes entries like JAGI Jajag, GMJI Gumukmas, KRKI Karanates, etc.

Table with columns: Code, Station Name, A° AZ°, Op, Phase ID, Time, Res, h m s, ISC. Includes entries like HENT Hendek, HENT Hendek, HENT Hendek, etc.

Table with columns: Code, Station Name, A° AZ°, Op, Phase ID, Time, Res, h m s, ISC. Includes entries like MSAL Masol, BTM Bintulu, BTM Sibul, etc.

Table with columns: CMAR, CMAR, CMAR, etc. Includes entries like CMAR Chiang Mai, CMAR Chiang Mai, CMAR Chiang Mai, etc.

Table with columns for station call letters, frequency, name, and various technical parameters like power, mode, and coordinates.

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Table with columns: VSR, comp, Station Name, Az, El, AzE, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Kodiak Island, Kodiak Island, Kodiak Island, etc.

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

Table with columns: KURK, Station Name, Az, El, AzE, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Kurchatov, Kurchatov, Kurchatov, etc.





5d 5h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MJAR Matsushiro Arr, MAJO Matsushiro, PETK Petropavlovsk, etc.

IDC 05 04:34:18.21.1, 29.09N-87.99E, h0km, mb3.5/5, mb1 3.77, mb1mx3.4/27, mbtmp3.5/7, ML3.7/2, MS2.8/1, Ms1 2.8/1, ms1mx2.4/31, Error ellipse: s-maj=40.5km, s-min=21.4km az=62.0

NEIC 05 04:34:19.8.0.6, 29.10N-87.96E, h10km, mb3.4/2, Error ellipse: s-maj=15.5km s-min=8.1km az=48.0

ISC 05 04:34:19.73.1, 29.17N-0.07-88.0E:0.1, h6km, mb2.1km, n18, #089/20, mb3.5/5, Azing

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like LSA Lhasa, SHL Shilling, CMAR Chiang Mai Arr, etc.

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

IDC 05 04:35:27.6.1.0, 5.02N-127.48E, h0km, mb3.7/7, mb1 3.8/7, mb1mx3.6/22, mbtmp3.7/7, Error ellipse: s-maj=60.8km s-min=19.0km az=73.0

ISCJB 05 04:35:30.9.0.8, 5.0N-101.127.4E:0.3, h33km, mb3.6/8, Error ellipse: s-maj=49.5km s-min=14.1km az=162.4

NEIC 05 04:35:33.0.7.1, 7.97N, 127.42E, h35km, mb3.8/2, Error ellipse: s-maj=42.9km s-min=12.4km az=73.0

ISC 05 04:35:33.0.2.8, 5.0N-0.11, 127.4E:0.3, h35km, n16, #073/16, mb3.6/8, Talaud Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, etc.

ISCJB 05 04:54:44.5.1.5, 18.65S-169.14E, h218km, 16km, mb4.3/7, Error ellipse: s-maj=20.5km s-min=14.5km az=151.0

NEIC 05 04:54:49.0.10, 18.63S-169.02E, h252km, 96km, mb3.9/10, mb1 4.0, mb1.4, 1/10, mb1mx3.9/17, mbtmp3.9/10, Error ellipse: s-maj=39.8km s-min=23.8km az=96.0

ISC 05 04:54:48.1.5, 18.65S-169.1E:0.1, h212km, 13km, n45, #068/33, mb4.2/16, Vanuatu Islands

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BAYA Yate Dam, DZM Port Dzumac, NOUC Mont Laguerre, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like INK Inuvik, YKA Yellowknife Arr, YKA Yellowknife Arr, etc.

IDC 05 04:56:53.6.1.7, 5.57N-166.37E, h0km, mb3.6/3, mb1 3.9/4, mb1mx3.5/25, mbtmp3.6/4, ML3.7/1, Error ellipse: s-maj=83.5km s-min=21.7km az=162.0

ISCJB 05 04:56:55.8.1.0, 5.57N-166.0E:1.0, h28km, gkm, mb3.6/3, Error ellipse: s-maj=18.4km s-min=8.2km az=150.6

KRCSO 05 04:56:55.0.0.9, 5.57N-166.04E, h23km, 23km, ML3.8

ISC 05 04:56:57.4.1.0, 5.53N-162.2.0, h27km, 6km, n14, #096/22, mb3.6/3, Komandorsky Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BKI Bering, BKI Bering, KBTR Krutoberegovo, etc.

IDC 05 05:09:57.7.3.7, 7.08S-153.99E, h0km, mb3.3/3, mb1 3.5/3, mb1mx3.4/16, mbtmp3.3/3, Error ellipse: s-maj=177.4km s-min=47.2km az=131.0, New Britain region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, etc.

DDA 05 05:22:01.5.39, 18N-29.47E, h8km, 1km, MD3.0

ISCJ 05 05:22:01.6.39, 15N-29.43E, h5km, MD2.9

ISCJB 05 05:22:02.0.3.39, 14N-0.02-29.46E:0.03, h10km, Error ellipse: s-maj=3.6km s-min=3.3km az=140.4

CSEM 05 05:22:02.0.1.39, 16N-29.46E, h2km, MD3.0, Error ellipse: s-maj=3.5km s-min=3.2km az=170.3

ISC 05 05:22:02.3.0.5, 39.17N-0.03-29.46E:0.03, h2km, 5km, n64, #083/82, Turkey

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DURS Kula-Manisa, KULA Kula-Manisa, KULA Kula-Manisa, etc.

ISCJB 05 05:51:42.8.1.2, 43.78S-0.03-169.22E:0.04, h1km, gkm, mb4.3/9, MS3.5/3, Error ellipse: s-maj=6.0km s-min=3.3km az=37.4

IDC 05 05:51:44.6.0.7, 43.85S-169.20E, h0km, mb4.3/7, mb1 4.4/8, mb1mx3.4/14, mbtmp3.4/8, ML4.0/1, MS3.6/3, Ms1 3.5/3, ms1mx3.2/16, Error ellipse: s-maj=26.0km s-min=11.6km az=4.0

WEL 05 05:51:45.8.0.1, 43.86S-169.25E, h11km, 1km, ML4.8/4/3, Error ellipse: s-maj=1.3km s-min=1.2km az=90.0

WEL Felt from West Coast to Otago, maximum reported intensity M1.5

NEIC 05 05:51:45.7, 43.82S-169.20E, h14km, mb4.4/4, ML4.9(WEL), After WEL

NEIC Felt at Albert Town, Greymouth, Hawea Flat and Queenstown

ISC 05 05:51:44.9.0.8, 43.86S-0.03-169.27E:0.04, h6km, 6km, n14, #100/96, mb4.3/9, MS3.5/3, 2C-ID, South Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Code Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BKT Bering, BKT Bering, KBTR Krutoberegovo, etc.





JMA 05 07:06:04.7,0.5,32.55N,142.18E,h0km,M3.8, Southeast of Honshu

ISK 05 07:50:12.8,38.64N,39.34E,h32km,MD2.6
ISCJB 05 07:50:14.8,0.7,38.67N,0.04,39.14E,0.07,h31km,10km,
Error ellipse: s-maj=10.9km s-min=5.5km az=39.1

Code Station Name Az AZZ Phase ID Time Res
BSO1 Boso 1 2.33 335 P Pn 07 06:45.1+0.9

ISCJB 05 08:09:52.3,0.4,34.60N,0.04,57.24E,0.05,h10km,Error
ellipse: s-maj=6.0km s-min=5.3km az=5.9

Code Station Name Az AZZ Phase ID Time Res
TABS Tabas 0.95 190 Op ISG h m s ISC
ITEG Tejav 2.07 144 ePn Pn 08 10:08.8+0.6

ISCJB 05 08:34:08.2,0.4,37.37N,0.02,27.03E,0.02,h10km,3km,
mb3.7/5, Error ellipse: s-maj=3.0km s-min=2.8km az=0.5

Code Station Name Az AZZ Phase ID Time Res
IMOG Moghan 2.25 47 ePn Pn 08 10:31.6+1.0
IMOG Payeh 2.31 36 ePn Pn 08 10:31.6+0.2

ISCJB 05 08:34:08.1,37.39N,27.03E,h9km,ML3.7,Error
ellipse: s-maj=3.7km s-min=0.6km az=101.0

Code Station Name Az AZZ Phase ID Time Res
RAO Raoul Island 0.93 344 ePn Pn 08 11:28.3+0.1
RAO Omahuta 9.12 234 ePn Pn 08 13:27.4+6.5

AFI 181nm,25.4s 0.7km,19.93 19 Sn Sn 08 17:54.9 -1.9
TBI Tsubuni 25.85 82 eLR LR 08 23:17.5

ISCJB 05 08:34:08.6,1.3,37.07N,27.18E,h0km,mb3.8/5,
mb1 3.8/7, mb1mx3.6/27, mbtm3.8/7, ML3.7/2, Error
ellipse: s-maj=37.6km s-min=21.4km az=137.0

Code Station Name Az AZZ Phase ID Time Res
GCAM G?zelcam? 0.36 25 Op ISG h m s ISC
GCAM G?zelcam? 0.36 25 iP Pn 08 34:16.4+0.0

ISCJB 05 08:34:08.1,37.39N,27.03E,h10km,ML3.6(ISK),After
NEIC 05 08:34:08.1,37.39N,27.03E,h10km,ML3.6(ISK),After

Code Station Name Az AZZ Phase ID Time Res
AKASG Akhisar 1.63 22 ePn Pn 08 34:58.2+0.6
AKASG Akhisar 1.63 22 ePn Pn 08 34:58.2+0.6

ISCJB 05 08:34:08.1,37.39N,27.03E,h10km,ML3.6(ISK),After
NEIC 05 08:34:08.1,37.39N,27.03E,h10km,ML3.6(ISK),After

Code Station Name Az AZZ Phase ID Time Res
AKASG Akhisar 1.63 22 ePn Pn 08 34:58.2+0.6
AKASG Akhisar 1.63 22 ePn Pn 08 34:58.2+0.6

ISCJB 05 08:34:08.1,37.39N,27.03E,h10km,ML3.6(ISK),After
NEIC 05 08:34:08.1,37.39N,27.03E,h10km,ML3.6(ISK),After

Code Station Name Az AZZ Phase ID Time Res
AKASG Akhisar 1.63 22 ePn Pn 08 34:58.2+0.6
AKASG Akhisar 1.63 22 ePn Pn 08 34:58.2+0.6

APE Apeiranthos 1.24 256 ePn Pn 08 34:52.0+0.9
APE Apeiranthos 1.24 256 ePn Pn 08 34:52.0+0.9

ISCJB 05 08:34:08.1,37.39N,27.03E,h10km,ML3.6(ISK),After
NEIC 05 08:34:08.1,37.39N,27.03E,h10km,ML3.6(ISK),After

Code Station Name Az AZZ Phase ID Time Res
AKASG Akhisar 1.63 22 ePn Pn 08 34:58.2+0.6
AKASG Akhisar 1.63 22 ePn Pn 08 34:58.2+0.6

ISCJB 05 08:34:08.1,37.39N,27.03E,h10km,ML3.6(ISK),After
NEIC 05 08:34:08.1,37.39N,27.03E,h10km,ML3.6(ISK),After

Code Station Name Az AZZ Phase ID Time Res
AKASG Akhisar 1.63 22 ePn Pn 08 34:58.2+0.6
AKASG Akhisar 1.63 22 ePn Pn 08 34:58.2+0.6

ISCJB 05 08:34:08.1,37.39N,27.03E,h10km,ML3.6(ISK),After
NEIC 05 08:34:08.1,37.39N,27.03E,h10km,ML3.6(ISK),After

Code Station Name Az AZZ Phase ID Time Res
AKASG Akhisar 1.63 22 ePn Pn 08 34:58.2+0.6
AKASG Akhisar 1.63 22 ePn Pn 08 34:58.2+0.6

ISCJB 05 08:34:08.1,37.39N,27.03E,h10km,ML3.6(ISK),After
NEIC 05 08:34:08.1,37.39N,27.03E,h10km,ML3.6(ISK),After

Code Station Name Az AZZ Phase ID Time Res
AKASG Akhisar 1.63 22 ePn Pn 08 34:58.2+0.6
AKASG Akhisar 1.63 22 ePn Pn 08 34:58.2+0.6





ISK 05 13:04:54.0, 37.16N, 32.67E, h26km, MD2.9  
CSEM 05 13:04:54.0, 2.0, 37.15N, 32.67E, h2km, MD2.9, Error  
ellipse: s-maj=3.1km s-min=1.9km az=91.0

ISC 05 13:04:54.0, 37.15N, 32.67E, 0.09, h3km, 11km,  
n16, e0533/28, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, Res ISC. Lists stations like Hadim, Konya-Tatoy, Gazipasa, Ladik-KONYA, Kadinhani, Mersin, Gulek, Kizilcal, etc.

ISC 05 13:07:03.9, 27.0, 8.66S, 154.59E, h0km, mb3.5/3,  
mb1 3.7/3, mb1mx4.1/4, mbtmp3.5/3, MS3.1/2, Ms1 3.1/2,  
ms1mx2.6/1.4, Error ellipse: s-maj=439.0km  
s-min=91.6km az=30.0, D'Entrecasteaux Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, Res ISC. Lists stations like WRA, ASAR, STKA, etc.

DDA 05 13:22:33.9, 34.70N, 32.67E, h26km, Md3.2  
ISCJB 05 13:22:47.0, 8.35, 20N, 0.05, 32.66E, 0.05, h74km, 6km,  
Error ellipse: s-maj=9.9km s-min=6.1km az=29.7

ISC 05 13:22:47.5, 35.18N, 32.67E, h70km, MD3.2  
CSEM 05 13:22:48.4, 0.3, 35.19N, 32.68E, h69km, 3km, Mw3.3,  
Error ellipse: s-maj=7.7km s-min=4.7km az=29.0

NIC 05 13:22:49.1, 0.1, 35.24N, 32.73E, h61km, ML3.0, MW3.3  
ISC 05 13:22:48.5, 0.8, 35.20N, 0.06, 32.66E, 0.05, h69km, 7km,  
n35, e062/54, Cyprus region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, Res ISC. Lists stations like ALFC, ALEVA, LFK, PAPHOS, etc.

NEIC 05 13:34:44.5, 0.8, 32.73S, 179.72E, h296km, km, mb4.5/8,  
Error ellipse: s-maj=18.0km s-min=9.8km az=118.0

ISC 05 13:34:46.4, 2.2, 32.56S, 179.56E, h308km, 21km, mb3.9/6,  
mb1 4.1/7, mb1mx3.9/15, mbtmp3.9/15, Error ellipse:  
s-maj=18.6km s-min=15.6km az=124.0

ISC 05 13:34:46.5, 0.8, 32.78S, 0.06, 179.9E, 0.1, h307km, 9km,  
n102, e192/112, mb4.3/11, South Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, Res ISC. Lists stations like RAO, MXZ, PUZ, OUZ, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, Res ISC. Lists stations like TARZ, RRRZ, PRGZ, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, Res ISC. Lists stations like KHZ, DSZ, CTZ, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, Res ISC. Lists stations like STKA, CTA, MTSU, etc.

ISC 05 13:51:44.9, 1.4, 2.69N, 95.72E, h0km, mb4.2/9,  
mb1 4.3/10, mb1mx4.0/24, mbtmp4.2/10, ML4.3/1, MS3.5/1,  
s-min=16.6km az=82.6, Error ellipse: s-maj=52.1km  
s-min=16.6km az=82.6

MOS 05 13:51:48.0, 0.9, 2.69N, 95.73E, h33km, mb4.6/22, Error  
ellipse: s-maj=18.1km s-min=7.7km az=101.7

DJA 05 13:51:48.2, 7.1N, 95.77E, h10km, MLV4.1/3  
ISCJB 05 13:51:50.9, 1.9, 2.70N, 0.10, 95.8E, 0.1, h59km, 14km,  
mb4.5/37, MS3.6/2, Error ellipse: s-maj=23.9km  
s-min=8.7km az=143.0

NEIC 05 13:51:50.1, 0.5, 2.63N, 95.72E, h35km, mb4.6/21, Error  
ellipse: s-maj=10.8km s-min=6.1km az=223.0

ISC 05 13:51:52.5, 1.9, 2.71N, 0.10, 95.8E, 0.1, h54km, 15km, n92,  
e0579/92, mb4.5/37, MS3.6/2, 3C-1D, Off west coast of  
Sumatra

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

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, Res ISC. Lists stations like CMAR, CHANG, CHTO, etc.









Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s, ISC. Includes stations like LZH Lanzhou, CMAR Chiang Mai Arr, MKAR Makanchi Array, etc.

IDC 05 17:36:12.0:17.0,19:34S:176.77W,h481km,151km, mb2.8/3,mb1 3.1/3,mb1mx2.9/16,mbtm2.8/3,Error ellipse: s-maj=212.0km s-min=41.6km az=133.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

IDC 05 17:56:12.4:1.0,4:73S:139.46E,h0km,mb3.9/5, mb1 4.2/8,mb1mx4.0/14,mbtm4.0/8,ML4.4/2,MS3.3/3, Ms1 3.3/3,ms1mx2.8/21,Error ellipse: s-maj=31.1km s-min=21.4km az=91.0 NEIC 05 17:56:13.0:0.6,4:76S:139.31E,h10km,mb4.3/7,Error ellipse: s-maj=16.4km s-min=11.0km az=82.0 ISC/JB 05 17:56:14.9:0.5,4:87S:0.05S:139.41E,0.08,h33km, mb4.0/9,Error ellipse: s-maj=11.3km s-min=7.8km az=175.9

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s, ISC. Includes stations like PMG Port Moresby, COEN Coen, MTSU Mount Surprise, etc.

IDC 05 17:56:17.0:0.5,4:92S:0.05S:139.24E,0.08,h35km,n41, c134/48,mb4.0/9,Irian Jaya region

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

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s, ISC. Includes stations like MKAR Makanchi Array, VANDA Vanda, KURK Kurchatov, etc.

IDC 05 18:08:13.0:1.8,34:36N:136.47E,h0km,mb3.3/2, mb1 3.4/3,mb1mx3.2/25,mbtm3.1/3,ML2.5/1,Error ellipse: s-maj=55.4km s-min=23.4km az=113.0 ISC/JB 05 18:08:13.9:0.7,34:58N:0.07S:140.59E,0.06,h51km,7km, mb3.2/2,Error ellipse: s-maj=13.3km s-min=6.6km az=24.1 JMA 05 18:08:13.8:0.1,34:67N:140.64E,h55km,1km,ML2 ISC 05 18:08:15.0:0.7,34:58N:0.08S:140.58E,0.06,h42km,8km, n14,c0568/24,mb3.2/2,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s, ISC. Includes stations like BSO2 Boso 2, BSO3 Boso 3, BSO1 Boso 1, etc.

GUC 05 18:09:02.9:0.8,27:65S:71.06W,h43km,5km,ML3.6, 1C-2D,Near coast of northern Chile

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s, ISC. Includes stations like CDCH Caldera, VACH Vallanar, LCO LCO, etc.

IDC 05 18:10:38.9:0.8,53:23N:108.03E,h0km,mb3.9/9, mb1 4.1/13,mb1mx3.8/32,mbtm3.9/13,ML3.8/4,MS3.4/6, Ms1 3.4/6,ms1mx3.0/36,Error ellipse: s-maj=19.8km s-min=14.5km az=69.0 ISC/JB 05 18:10:39.1:0.2,53:23N:0.02S:107.93E,0.03,h10km, mb4.0/15,MS3.6/5,Error ellipse: s-maj=3.4km s-min=2.1km az=44.0 MOS 05 18:10:39.8:0.9,53:27N:107.93E,h14km,mb4.3/6,Error ellipse: s-maj=9.6km s-min=6.2km az=65.6 MOS Feil (I) at Ongureny, BYKL 05 18:10:40.8:0.2,53:28N:107.84E,h14km,4km,FELT I=II MSK at Ongureny

NEIC 05 18:10:43.3:3.4,53:25N:107.90E,h29km,24km,mb4.4/5, Error ellipse: s-maj=13.2km s-min=8.1km az=49.0 ISC 05 18:10:40.3:0.2,53:26N:0.02S:107.94E,0.03,h10km,n110, c134/177,mb4.0/15,MS3.6/5,12C-7D,Lake Baykal region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s, ISC. Includes stations like OGRR Ongureny, OGRR Ongureny, OGRR Ongureny, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s, ISC. Includes stations like FFNB Kabansk, KAB Kabansk, KAB Kabansk, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s, ISC. Includes stations like HRMR Khuramska, HRMR Khuramska, HRMR Khuramska, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s, ISC. Includes stations like NIZ Nizh Angarsk, NIZ Nizh Angarsk, NIZ Nizh Angarsk, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s, ISC. Includes stations like TLY Talaya, TLY Talaya, TLY Talaya, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s, ISC. Includes stations like KMO Kumora, KMO Kumora, KMO Kumora, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s, ISC. Includes stations like ARS Arshan, ARS Arshan, ARS Arshan, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s, ISC. Includes stations like UYU Uuyan, UYU Uuyan, UYU Uuyan, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Zakamensk, Severomuz, Knapcheranga, and many others.

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Tokmak 2, AAK, EKS2, ARU, AKTO, and many others.

Table with columns: Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like AML, KK31, KKAR, KKKR, and many others.

Additional text providing specific data and coordinates for stations, including IDs like IDC 05 18:14:24.3, 1.2, 6.72N, 127.09E, etc.



SKR	comp=Z,22um,17.7s	15.27	33	eP	Pn	20 06 51.0	+6.9	
SKR	Severo-Kuril's			S	Sn	20 09 30.0	-2.1	
SKR	comp=E,4um,10.0s			smax				
SKR	comp=N,6um,16.0s			MLR	MLR			
SKR	comp=E,12um,16.0s			MLR	MLR			
SKR	comp=Z,6um,16.0s			MLR	MLR			
PETK	Petropavlovsk-	17.74	30	P	Pn	20 07 12.4	-2.9	
PETK	comp=Z,0.2nm,0.3s,baz=209,slow=12,SNR=3.5			LR	LR	20 14 48.1		
PETK	comp=Z,3um,19.4s,baz=218,slow=40			P	Pn	20 07 12.4	-2.9	
PETK	Petropavlovsk-	17.74	30	P	Pn	20 07 12.5	-2.9	
PETK	Petropavlovsk-	17.74	30	P	Pn	20 07 18.4	-0.9	
PET	Petropavlovsk	18.06	32	P	Pn	20 07 18.4	-0.9	
PET	Petropavlovsk	18.06	32	P	Pn	20 07 33.3	-2.3	
SSE	Sheshan	19.39	254	P	pP	20 07 41.6	-1.2	
SSE				S	Sn	20 11 07.8	-4.4	
SSE				S	smax			
SSE	comp=Z,63nm,1.1s				pmax	pmax		
SSE	comp=Z,2um,12.0s				LR	LR		
SSE	comp=N,10um,14.7s				LR	LR		
SSE	comp=E,6um,14.7s				LR	LR		
SSE	comp=Z,12um,15.5s				LR	LR		
SSE	Sheshan	19.39	254	P	Pn	20 07 33.3	-2.3	
SSE	comp=Z,63nm,1.1s				pP	20 07 41.6	-1.2	
SSE					S	Sn	20 11 07.8	-4.4
SSE					e	20 11 23.5	-1.9	
TIA	Tai'an	20.71	272	P	LR	20 07 45.7	-2.9	
TIA	comp=N,8um,12.5s,MS5.5				LR	LR		
TIA	comp=E,13um,16.2s,MS5.5				LR	LR		
TIA	comp=Z,13um,13.7s,MS5.5				LR	LR		
NJ2	Nanjing	20.74	259	eP	P	20 07 48.6	-0.4	
NJ2				pP	P	20 07 56.2		
NJ2				sP	S	20 08 02.5	+0.9	
NJ2				PP	S	20 11 35.0	-3.9	
NJ2				S	S	20 11 47.0	-5.5	
NJ2	comp=Z,30nm,0.7s				pmax	pmax		
NJ2	comp=Z,2um,10.8s				LR	LR		
NJ2	comp=N,8um,16.5s,MS5.3				LR	LR		
NJ2	comp=E,8um,16.4s,MS5.3				LR	LR		
BJI	Beijing	20.82	283	P	S	20 07 47.9	-1.9	
BJI				S	S	20 11 36.4	-4.0	
BJI	comp=Z,39nm,0.9s				pmax	pmax		
BJI	comp=Z,740nm,4.2s				LR	LR		
BJI	comp=N,6um,12.6s,MS5.6				LR	LR		
BJI	comp=E,18um,14.8s,MS5.6				LR	LR		
CLNS	comp=Z,8um,15.5s,MS5.2				LR	LR		
CLNS	Chul'man	21.89	333	eP	P	20 08 01.0	0.0	
CLNS					e	20 08 26.1		
CLNS					ePPP	20 08 35.7		
CLNS	comp=N,91nm,1.4s				pmax	pmax		
CLNS	comp=Z,143nm,1.1s,mb5.3				pmax	pmax		
CLNS	comp=E,65nm,1.4s				pmax	pmax		
CLNS	comp=N,120nm,1.5s				pmax	pmax		
CLNS	comp=Z,67nm,1.4s,mb4.9				pmax	pmax		
CLNS	comp=E,59nm,1.3s				MLR	MLR		
CLNS	comp=N,7um,17.0s,MS5.3				MLR	MLR		
CLNS	comp=Z,6um,15.0s,MS5.2				MLR	MLR		
TATO	Taipei	22.70	240	eP	P	20 08 07.9	-2.2	
TATO	comp=E,8um,16.0s,MS5.3				LR	LR		
TATO	comp=E,335nm,1.5s,mb5.5				LR	LR		
YHNB	Yeheng	22.98	239	eP	P	20 08 10.8	-2.1	
YHNB	comp=Z,8um,19.0s,MS5.2				LR	LR		
YHNB	comp=Z,66nm,1.0s,mb5.0				LR	LR		
NACB	Ninganchiao	23.17	238	eP	P	20 08 14.7	-0.3	
NACB	comp=Z,50nm,0.9s,mb5.0				P	20 08 19.2	-2.4	
SSLB	Suanglung	23.86	238	eP	P	20 08 19.2	-2.4	
SSLB	comp=Z,53nm,0.7s,mb5.1				P	20 08 20.8	-1.2	
YULB	Yu-li	23.92	237	eP	P	20 08 20.8	-1.2	
YULB	comp=Z,36nm,0.6s,mb5.0				P	20 08 22.5	-2.7	
HHC	Hu-ho-hao-te	24.27	285	eP	S	20 08 37.2	-1.1	
HHC				sP	S	20 08 56.7		
HHC				PP	PcP	20 10 33.8	+1.7	
HHC				S	S	20 12 33.8	+8.0	
HHC				sS	S	20 12 48.4	-8.6	
HHC				ScP	S	20 15 40.7	0.0	
HHC				PcS	PcS	20 15 44.3	0.0	
HHC				pmax	pmax			
HHC	comp=Z,33nm,0.7s,mb4.9				pmax	pmax		
HHC	comp=Z,2um,6.5s				LR	LR		
HHC	comp=N,6um,13.8s,MS5.7				LR	LR		
HHC	comp=E,20um,15.5s,MS5.7				LR	LR		
HHC	comp=Z,23um,15.4s,MS5.8				LR	LR		
TPUB	Ta-pu	24.41	238	eP	P	20 08 25.0	-1.6	
TPUB	comp=Z,151nm,1.0s,mb5.4				P	20 08 24.7	-2.3	
TYG	Pinlang	24.45	236	eP	P	20 08 24.7	-2.3	
TYG	comp=Z,90nm,0.7s,mb5.3				eP	20 08 27.6	0.0	
CIT	Chita	24.54	313	eP	P	20 08 38.3	0.0	
CIT				e		20 09 00.2		
CIT				e				
CIT	comp=Z,398nm,3.1s				pmax	pmax		
WHN	Wuhan	24.87	260	P	S	20 08 30.0	-0.8	
WHN				S	S	20 12 45.6	-6.1	
WHN	comp=N,9um,12.8s,MS5.7				LR	LR		
WHN	comp=E,15um,12.9s,MS5.7				LR	LR		
WHN	comp=Z,21um,19.4s				LR	LR		
GUMO	Guam	24.90	176	LR	LR	20 16 29.2		
GUMO	comp=Z,3um,20.3s,MS4.8,baz=217,slow=32				P	20 08 30.4	-0.5	
YAK	Yakutsk	24.92	345	eP	P	20 08 30.4	-0.5	
YAK	comp=Z,249nm,1.2s,mb5.6				LR	LR		
YAK	comp=Z,5um,21.0s,MS5.0				eP	20 08 29.8	-1.1	
YAK	Yakutsk	24.92	345	eP	P	20 08 39.2		
YAK				e'PP	S	20 12 54.1	+2.2	
YAK				eS	S			
YAK				pmax	pmax			
YAK	comp=E,15nm,1.1s				pmax	pmax		
YAK	comp=Z,94nm,1.0s,mb5.3				pmax	pmax		
YAK	comp=N,28nm,0.9s				pmax	pmax		
YAK	comp=Z,291nm,1.2s,mb5.7				pmax	pmax		
YAK	comp=N,297nm,1.2s				pmax	pmax		
YAK	comp=E,146nm,1.5s				smax	smax		
YAK	comp=N,3um,5.1s				smax	smax		
YAK	comp=E,499nm,3.2s				MLR	MLR		

YAK	comp=Z,8um,17.0s,MS5.3			MLR	MLR		
YAK	comp=N,8um,19.0s				MLR		
SEY	comp=E,3um,13.0s			MLR	MLR		
FX1	Seymchan	25.08	10	ceP	P	20 08 33.1	+0.8
FX1	Attu Island-F	25.23	46	P	P	20 08 33.3	-0.5
FX1	comp=E,2.8nm,0.4s,mb4.2,baz=207,slow=6.8,SNR=1.8			LR	LR	20 15 57.7	
FX1	Attu Island-F	25.23	46	P	P	20 08 33.3	-0.4
FX1	Attu Island-F	25.23	46	P	P	20 08 33.3	-0.5
BOD	Bodaibo	26.99	325	eP	P	20 08 48.3	-1.4
BOD				pmax	pmax		
ULN	comp=Z,45nm,1.4s,mb4.8				LR	LR	
ULN	Ulaanbaatar	27.62	301	eP	P	20 08 55.7	+0.3
ULN	comp=Z,65nm,1.1s,mb5.2				LR	LR	
ULN	comp=Z,8um,20.0s,MS5.3				LR	LR	
ULN	Ulaanbaatar	27.62	301	eP	P	20 08 55.7	+0.2
ULN	comp=Z,65nm,1.1s,mb5.2				pmax	pmax	
ULN	comp=Z,8um,20.0s,MS5.3				MLR	MLR	
ULN	Ulaanbaatar	27.62	301	P	P	20 08 56.0	+0.5
XAN	comp=Z,2um,comp=Z,127nm,1.0s,mb5.5				P	20 08 56.5	-0.4
XAN	Xi'an	27.77	271	P	pP	20 08 06.9	+0.8
XAN				P	P	20 08 49.6	
XAN	comp=Z,19nm,1.3s,mb4.6				pmax	pmax	
XAN	comp=N,4um,17.4s,MS5.1				LR	LR	
XAN	comp=E,2um,20.9s,MS5.1				LR	LR	
XAN	comp=Z,2um,16.8s,MS4.8				LR	LR	
SOMM	Songino Array	28.06	301	P	P	20 08 60.0	+0.6
SOMM	comp=Z,56nm,1.1s,mb5.1,baz=104,slow=7.4,SNR=6.2				PcP	20 12 13.6	+0.3
SOMM	comp=Z,1.7nm,0.6s,baz=114,slow=3.4,SNR=5.9				LR	LR	
SOMM	comp=Z,10um,18.0s,MS5.5,baz=107,slow=38				LR	LR	
SOMM	Songino Array	28.06	301	P	P	20 08 60.0	+0.6
SOMM				PcP	PcP	20 12 13.6	+0.3
SOMM				PcP	PcP	20 09 00.0	+0.6
SOMM				P	P	20 12 13.6	
HKC	Hong Kong Obse	29.52	245	P	P	20 09 12.0	-0.6
GZH	Guangzhou	29.63	247	P	P	20 09 04.7	-8.8
GZH				S	S	20 13 48.0	-19.1
GZH	comp=N,10um,15.8s,MS5.7				LR	LR	
GZH	comp=E,11um,17.4s,MS5.7				LR	LR	
GZH	comp=Z,18um,14.6s,MS5.8				LR	LR	
IRK	Irkutsk	30.09	310	eP	P	20 09 16.9	-0.4
IRK				e		20 10 29.4	
IRK				pmax	pmax		
TLY	comp=Z,101nm,2.9s,mb5.0				eP	20 09 19.6	-0.1
TLY	Talaya	30.36	309	eP	P	20 09 19.6	-0.1
TLY	comp=Z,50nm,1.3s,mb5.1				LR	LR	
TLY	comp=Z,11um,21.0s,MS5.5				LR	LR	
TLY	Talaya	30.36	309	eP	P	20 09 19.9	+0.2
TLY				ePPP	S	20 10 36.6	
TLY				eS	S	20 14 24.4	+6.5
TLY				pmax	pmax		
TLY	comp=Z,33nm,1.1s,mb5.0				MLR	MLR	
TLY	comp=Z,11um,15.0s,MS5.6				MLR	MLR	
TLY	Talaya	30.36	309	P	P	20 09 20.5	+0.8
TLY	comp=Z,151nm,1.1s,mb5.6,SNR=8.3				P	20 09 19.3	-0.7
ZAK	Zakamensk	30.39	306	eP	P	20 09 19.3	-0.7
ZAK				pmax	pmax		
LZH	comp=Z,41nm,1.2s,mb5.0				P	20 09 26.3	-0.2
LZH	Lanzhou	31.11	278	P	P	20 09 36.4	+0.6
LZH				pP	pP	20 09 39.3	-0.4
LZH				sP	S	20 10 29.1	-7.9
LZH				PP	PP	20 14 30.0	0.0
LZH				S	S	20 14 42.3	-3.0
LZH				sS	S	20 16 12.4	-3.1
LZH				eSS	SS		
LZH				pmax	pmax		
LZH	comp=Z,51nm,1.1s,mb5.3				pmax	pmax	
LZH	comp=Z,420nm,5.3s				LR	LR	
LZH	comp=N,11um,14.2s,MS5.8				LR	LR	
LZH	comp=E,12um,15.1s,MS5.8				LR	LR	
LZH	comp=Z,15um,15.9s,MS5.8				LR	LR	
LZH	Lanzhou	31.11	278	P	P	20 09 26.3	-0.2
LZH	comp=Z,51nm,1.1s,mb5.3				pP	20 09 36.4	+0.6
LZH				sP	S	20 09 39.3	-0.4
LZH				PP	PP	20 10 29.1	-7.9
LZH				S	S	20 14 30.0	0.0
LZH				sS	S	20 14 42.3	-3.0
LZH				eSS	SS	20 16 12.4	-3.1
LZH				pmax	pmax		
LZH	comp=Z,15um,15.9s,MS5.8				P	20 09 26.3	-0.2
LZH	Lanzhou	31.11	278	P	P	20 09 36.4	+0.6
LZH				S	S	20 10 29.1	-7.9
LZH				*S	SS	20 14 30.0	0.0





Table with columns: Station, Frequency, Power, Class, and Date/Time. Includes stations like OBN, OD2, HAWA, IGLO, FINES, etc.

Table with columns: Station, Frequency, Power, Class, and Date/Time. Includes stations like IZAR, ZARASAI, GNI, GARNI, AKH, CMB, etc.

Table with columns: Station, Frequency, Power, Class, and Date/Time. Includes stations like SIM, HWUT, DUG, BW06, PDAR, etc.





5d 21h

Table of station data for the 5d 21h section, including columns for station name, coordinates, and various parameters like P, Pmax, and Res.

2008 DEC

Main table of station data for 2008 DEC, including columns for station name, coordinates, and various parameters like P, Pmax, and Res.

162

Table of station data for the 162 section, including columns for station name, coordinates, and various parameters like P, Pmax, and Res.













6d 0h

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

2008 DEC

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

168

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



Table with columns: Station, Frequency, Power, and other technical details. Includes stations like TSI Tuntungan, KULM Kulim, PSI Prapat, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like GKN Gorkha, GKN Gorkha, KOLN Koldanda, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like GTA comp=Z,22nm,1.5s,mb4.8, GTA comp=Z,360nm,4.0s, etc.



Table with columns: Station, Frequency, Power, and other technical details. Includes stations like EKS2, USP, MBWA, MK31, MKAR, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like KBD, RDF, UMR, BVA0, BRVK, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like KIV, Kislodovsk, KMB0, SOKR, etc.

6d 0h

2008 DEC

Table of astronomical observations for 6d 0h, listing stations like FINES, KAF, CRVS, etc., and their respective coordinates and observation times.

Table of astronomical observations for 2008 DEC, listing stations like WET, NKC, WERD, etc., and their respective coordinates and observation times.

Table of astronomical observations for 2008 DEC, listing stations like DOU, BAIF, VIVF, etc., and their respective coordinates and observation times.



6d 2h

Table with columns: KAF, comp=Z, 3.0nm, 0.9s, mb4.8, pmax, pmax, P, 00 59 19.6 -2.5, etc.

IDC 06:00:48:23.1-18.0, 18.12S;-177.91W, h525km, 159km, mb2.7/3, mb1.3/1.3, mb1mx2.9/16, mbtmp2.7/3, Error ellipse: s-maj=297.8km s-min=59.4km az=140.0, Fiji Islands region

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

IDC 06:01:00:32.1-3.5, 7.49S;-148.41E, h65km, 39km, mb3.5/3, mb1.3/8.5, mb1mx3.4/16, mbtmp3.5/5, ML3.4/2, Error ellipse: s-maj=96.0km s-min=17.8km az=135.0, Eastern New Guinea region

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

IDC 06:01:26:52.4-2.5, 19.46N;65.94W, h0km, mb3.4/3, mb1.3/3.8, mb1mx3.4/20, mbtmp3.4/3, Error ellipse: s-maj=69.5km s-min=19.5km az=63.0

ISCJB 06:01:26:53.6-1.7, 19.52N;0.04-66.30W, 0.05, h10km, 12km, mb3.4/3, Error ellipse: s-maj=9.1km s-min=6.3km az=155.9

RSRP 06:01:26:55.2, 19.67N;66.34W, h40km, 17km, MD3.5/10, NEIC 06:01:26:55.2, 19.67N;66.34W, h40km, MD3.5(RSP), After RSRP.

ISC 06:01:26:54.2-1.6, 19.46N;0.04-66.28W, 0.06, h5km, 9km, n35, e073/45, mb3.4/3, 28C, Puerto Rico region

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

IDC 06:01:34:59.1-0.7, 8.67N;93.90E, h0km, mb3.8/12, mb1.3/9/13, mb1mx3.8/24, mbtmp3.7/13, ML.2/1, Error ellipse: s-maj=30.4km s-min=17.4km az=59.0

ISCJB 06:01:35:00.2-6.8, 8.61N;0.2-94.0E, 0.1, h19km, 46km, mb4.0/24, Error ellipse: s-maj=33.5km s-min=14.6km az=41.9

NEIC 06:01:35:03.0-0.3, 8.61N;93.92E, mb4.1/8, Error ellipse: s-maj=9.5km s-min=6.5km az=71.0

ISC 06:01:35:04.8-3.1, 8.61N;0.2-94.0E, 0.2, h39km, 25km, h25km, 1.7km; p-P, n59, e058/55, mb4.0/24, Nicobar Islands region

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

2008 DEC

Main table with columns: CMAR, CHTO, RAIM, RAMN, RAMM, RAMN, RAMM, RAMN, RAMM, etc.

IDC 06:02:12:42.5-1.0, 39.17N;73.55E, h0km, mb3.6/8, mb1.3/6/12, mb1mx3.5/29, mbtmp3.5/12, ML3.0/4, Error ellipse: s-maj=21.5km s-min=18.4km az=35.0

NNC 06:02:12:43.9-4.8, 39.20N;72.82E, h0km, mb3.6, mpv3.4, Error ellipse: s-maj=38.5km s-min=23.9km az=1.0

ISCJB 06:02:12:47.0-1.1, 39.27N;0.06-73.43E, 0.08, h48km, 10km, mb3.5/8, Error ellipse: s-maj=11.1km s-min=10.2km az=141.0

NEIC 06:02:12:48.2-1.1, 39.29N;73.48E, h40km, 10km, mb3.6/1, Error ellipse: s-maj=11.5km s-min=9.3km az=139.0

ISC 06:02:12:48.5-1.0, 39.27N;0.07-73.43E, 0.09, h43km, 10km, n46, e154/51, mb3.5/8, 7C-2D, Tajikistan-Xinjiang border region

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

Table with columns: KK31, SNR=6.4, Karatay Array, 4.42 331, Pn, Pn, 01 37 37.8 -0.4, etc.

JMA 06:02:30:41.4-0.1, 25.74N;126.37E, h0km, M3.8, IDC 06:02:30:42.1-0.9, 26.18N;125.86E, h0km, mb3.7/7, mb1.3/8/8, mb1mx3.7/23, mbtmp3.7/8, ML3.6/1, Error ellipse: s-maj=27.1km s-min=19.3km az=49.0

NEIC 06:02:30:42.8-4.6, 26.15N;125.87E, h4km, 30km, mb3.9/2, Error ellipse: s-maj=14.3km s-min=11.0km az=165.0

ISC 06:02:30:41.6-2.3, 25.82N;0.06-125.99E, 0.06, h6km, 16km, n33, e128/41, mb3.7/10, Southwestern Ryukyu Islands

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

NEIC 06:02:45:47.7, 17.33N;-100.79W, h20km, MD4.0(MEX), After MEX.

MEX 06:02:45:47.0-0.9, 17.33N;100.79W, h20km, 14km, MD4.0, Guerrero

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Pinotepa, Huajuapán, Matias Romero.

ISC/JB 06:02:46:01.7,2.2,20.7S:0.2x169.9E:0.1, h137km, 15km, mb4.0/7, Error ellipse: s-maj=27.3km s-min=18.6km az=15.6

NEIC 06:02:46:02.6,2.4,20.55S:169.88E, h135km, 19km, mb4.3/4, Error ellipse: s-maj=24.0km s-min=14.9km az=212.0

IDC 06:02:46:06.4,7.1,20.136S:169.73E, h109km, 63km, mb3.6/4, mb1.3/8.5, mb1mx3.6/16, mbtm3.6/5, MS3.9/1, Ms1.3/9.1, ms1mx2.7/20, Error ellipse: s-maj=41.3km s-min=23.1km az=16.0

ISC 06:02:46:02.4,2.1,20.6S:20.169.9E:0.1, h131km, 15km, n31, c088/26, mb4.0/7, Vanuatu Islands.

Main table of station data for the first section, including stations like BAYA, DZM, NOUC, URZ, etc.

IDC 06:02:54:44.0,6.2,35.82N:71.11E, h47km, 54km, mb3.4/6, mb1.3/4.10, mb1mx3.2/30, mbtm3.4/10, ML3.6/3, Error ellipse: s-maj=61.0km s-min=33.9km az=146.0

ISC/JB 06:02:54:51.1,0.5,36.34N:0.04,71.11E:0.08, h107km, 9km, mb3.6/5, Error ellipse: s-maj=11.0km s-min=5.4km az=21.5

NEIC 06:02:54:52.1,0.0,36.28N:71.11E, h105km, 10km, mb3.6/2, Error ellipse: s-maj=19.8km s-min=8.4km az=131.0

NNC 06:02:54:57.2,5.0,37.16N:70.55E, h0km, mb3.7, mpv3.6, Error ellipse: s-maj=42.5km s-min=31.9km az=173.0

ISC 06:02:54:52.3,0.5,36.33N:0.03,71.07E:0.08, h110km, 8km, n39, c107/49, mb3.6/4, 4C-4D, Afghanistan-Tajikistan border region

Main table of station data for the second section, including stations like KBL, CEP, CHIRAH, AML, etc.

Table of station data for the third section, including stations like KURK, BVAR, AKTO, etc.

IDC 06:02:55:04.5,0.9,15.86S:172.67W, h0km, mb4.0/6, mb1.4/2.8, mb1mx4.0/20, mbtm4.1/8, ML3.5/2, Error ellipse: s-maj=31.8km s-min=15.9km az=121.0

ISC/JB 06:02:55:06.0,0.7,15.86S:0.08,172.50W:0.10, h33km, mb3.0/6, Error ellipse: s-maj=15.3km s-min=8.3km az=36.0

NEIC 06:02:55:06.9,4.9,15.93S:172.51W, h18km, 33km, mb4.3/1, Error ellipse: s-maj=18.2km s-min=11.7km az=156.0

ISC 06:02:55:09.1,0.6,15.80S:0.07,172.50W:0.09, h35km, n21, c18/24, mb3.9/8, Samoa Islands region

Main table of station data for the fourth section, including stations like AFI, MSFV, RAR, etc.

IDC 06:02:57:48.5:7.1, 6.41S:146.92E, h95km, 74km, mb3.1/3, mb1.3/2.5, mb1mx3.0/16, mbtm3.0/5, ML2.6/2, Error ellipse: s-maj=74.8km s-min=31.9km az=141.0, Eastern New Guinea region

Main table of station data for the fifth section, including stations like PMG, WRA, FITZ, etc.

ISC/JB 06:02:59:01.1, 1.7, 48.10N:0.05, 86.17E:0.10, h2km, 10km, mb3.6/6, Error ellipse: s-maj=11.5km s-min=8.1km az=29.1

IDC 06:02:59:02.1, 1.0, 48.04N:86.16E, h0km, mb3.6/6, mb1.3/7.10, mb1mx3.5/29, mbtm3.5/10, ML3.2/4, Error ellipse: s-maj=15.4km s-min=11.4km az=33.0

NNC 06:02:59:02.6, 8.8, 48.07N:86.03E, h0km, mb3.8, mpv3.5, Error ellipse: s-maj=65.1km s-min=38.9km az=83.0

NEIC 06:02:59:03.0, 0.7, 48.04N:86.26E, h10km, mb2.9/1, Error ellipse: s-maj=10.7km s-min=9.2km az=113.0

BUI 06:02:59:05.7, 4.7, 85N:86.07E, h13km, ML3.2/7

ISC 06:02:59:02.9, 1.5, 48.04N:0.05, 86.26E:0.08, h4km, 10km, n30, c084/41, mb3.6/6, 5C-1D, Kazakhstan-Xinjiang border region

Main table of station data for the sixth section, including stations like MK31, MKAR, MKAR, etc.

Table of station data for the seventh section, including stations like KURK, KURK, KURK, etc.

JMA 06:03:00:14.6, 0.2, 38.25N:144.68E, h54km, M3.8, Off east coast of Honshu

Main table of station data for the eighth section, including stations like OFUJ, MIYAKONAGASAWA, etc.

GUC 06:03:04:17.0, 0.7, 2.33S:68.72W, h105km, 5km, ML3.5/6C, Northern Chile

Main table of station data for the ninth section, including stations like SPCH, MACH, ANCH, etc.

IDC 06:03:26:27.9, 37.0, 59.66S:148.18E, h0km, mb3.9/3, mb1.4/1.3, mb1mx3.9/11, mbtm3.9/3, MS3.5/2, Ms1.3/4.2, ms1mx2.9/23, Error ellipse: s-maj=85.2km s-min=231.3km az=150.0, West of Macquarie Island

Main table of station data for the tenth section, including stations like RPZ, STKA, MAW, etc.

ISC 06:03:28:26.1, 1.0, 38.23N:143.43E, h0km, mb3.5/7, mb1.3/6.8, mb1mx3.5/25, mbtm3.4/8, ML3.2/1, Error ellipse: s-maj=28.4km s-min=21.6km az=62.0

NEIC 06:03:28:27.6, 0.8, 38.27N:143.52E, h10km, mb3.7/1, Error ellipse: s-maj=16.8km s-min=15.2km az=131.0

JMA 06:03:28:28.3, 0.2, 38.39N:143.41E, h2km, M3.3

ISC/JB 06:03:28:29.3, 1.6, 38.29N:0.08, 143.4E:0.1, h33km, 13km, mb3.5/8, Error ellipse: s-maj=15.0km s-min=12.3km az=41.0

ISC 06:03:28:29.2, 6.3, 38.33N:0.08, 143.34E:0.07, h2km, 20km, n26, c093/30, mb3.5/8, Off east coast of Honshu

Main table of station data for the eleventh section, including stations like OFUJ, JIO, etc.

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

ICD 06 03:41:23.5:1.8, 19:87S:177:48W, h528km, 26km, mb3.2/6, m1 3.5/8, mb1mx3.3/20, mbtmp3.3/8, Error ellipse: s-maj=33.2km s-min=15.9km az=146.0, ISCJB 06 03:41:24.2:0.9, 19:9S:0:2:177:2W:0.1, h580km, 13km, mb4.2/8, Error ellipse: s-maj=28.1km s-min=13.5km az=144.4

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

NIED 06 03:31:00, 41:30N, 142:40E, h29km, Mw3.7 Best double couple: M0.02000x1014 NP1.3x295.00000, s84.00000, l1.00.00000, NP2.0x57.00000, l2.02.00000, l3.32.00000, JMA 06 03:31:13.9:0.1, 41:26N:142:39E, h29km, 4km, M3.8

NEIC 06 03:41:25.0:0.8, 19:89S:177:25W, h572km, 9km, mb4.5/5, Error ellipse: s-maj=20.7km s-min=11.9km az=148.0, ISC 06 03:41:24.7:1.0, 19:9S:0:2:177:2W:0.1, h572km, 13km, m27, r073/28, mb4.2/8, Fiji Islands region

BUI 06 04:18:37.9, 33:82N:117:05W, h10km, mb5.5/15, mb5.0/14, Ms5.2/10, Ms7.4/8/10, ISCJB 06 04:18:41.8:0.1, 34:766N:0:009:116:38W:0.01, h10km, mb4.8/96, MS4.6/33, Error ellipse: s-maj=1.4km s-min=1.2km az=32.6

JMA Felt 1/11, ISCJB 06 03:31:14.3:0.5, 41:24N:0:03:142:40E:0.05, h47km, 5km, mb3.8/12, Error ellipse: s-maj=7.0km s-min=4.0km az=37.5

NEIC 06 03:31:16.4:0.8, 41:25N:142:55E, h54km, 6km, mb4.0/4, Error ellipse: s-maj=13.1km s-min=7.9km az=119.0, ICD 06 03:31:17.0:2.0, 41:22N:142:42E, h60km, 19km, mb3.4/8, m1 3.7/11, mb1mx3.5/25, mbtmp3.5/11, Error ellipse: s-maj=20.6km s-min=12.5km az=108.0

ICD 06 04:18:42.9, 0.6, 34:92N:116:24W, h0km, mb4.5/27, m1 4.6/32, mb1mx4.6/34, mbtmp4.5/32, ML4.2/4, MS4.5/30, Ms1.4/5.30, ms1mx4.5/33, Error ellipse: s-maj=14.8km s-min=8.2km az=53.0

ISC 06 03:31:15.0:0.5, 41:25N:0:03:142:39E:0.05, h37km, 6km, m42, r104/54, mb3.8/12, 2D, Hokkaido region

NEIC 06 03:31:15.0:0.5, 41:25N:0:03:142:39E:0.05, h37km, 6km, m42, r104/54, mb3.8/12, 2D, Hokkaido region

NEIC 06 04:18:42.9, 34:81N:116:42W, h7km, mb5.0/72, MW5.1(PAS), MW5.0(SLM), After PAS. NEIC Felt (1) at Newberry Springs and (II) at Acton, Adelanto, Angelus Oaks, Apple Valley, Beverly Hills, Big Bear Lake, Blue Jay, Buena Park, Culver City, Fontana, Fort Irwin, Hesperia, Huntington Beach, Irvine, Joshua Tree, Lake Arrowhead, Landers, Litterro, Los Angeles, Lucerne Valley, Morongo Valley, Phelan, San Diego, Thousand Palms, Twentynine Palms, Valley Village, Victorville and Whittier. Also felt (III) at Lake Havasu City, Arizona and at Las Vegas, Nevada. Felt from Camarillo, California to Kingman, Arizona and from Pahrum, Nevada and Ridgecrest, California as far south as El Centro and San Diego. Preliminary studies indicate that this earthquake is associated with the Latic Lake Fault and it is considered to be an aftershock of the Hector Mine earthquake of 16 October 1999.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ERM Erimo, JEM Erimo, JOT Ohata, etc.

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

MOS 06 04:18:42.2:1.1, 34:79N:116:40W, h11km, mb5.0/44, Error ellipse: s-maj=5.1km s-min=4.0km az=39.6, GCMT 06 04:18:45.0:0.2, 34:83N:116:39W, h12km, MW5.1, Moment tensor solution, S51.67S, s98.17Z: Moment tensor: Scale 10^16Nm, M1=0.32:12, M2=3.31:12, M3=3.63:12; M1=0.50:31, M2=0.50:31, M3=1.00:33; Best double couple: M0.20000x1016 NP1.3x253.00000, s83.00000, l6.00000, NP2.0x162.00000, s84.00000, l73.00000. Principal axes: T 6.4500, Plg9.0000, Azm118.0000, N -0.5100, Plg81.0000, Azm299.0000, P -5.9400, Plg0.0000, Azm208.0000, Data Used: IIU C G CN.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JOT Ohata, JNBK Urakawa-nobuka, JANG Nango, etc.

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

ISC 06 04:18:43.4:0.1, 34:716N:0:009:116:45W:0.01, h10km, n87, r1414/930, mb4.8/96, MS4.6/33, 221C-20BD, Northern California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JTB Tenmabayashi, JKB Kayabe, JSR Shiruichi, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HEC Hector Ludlow, RRX Barstow, RRX Barstow, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BBRO Big Bear Solar, BBRO Big Bear Solar, GSC Goldstone, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GSC Goldstone, GSC Goldstone, GMRC Granite Mountain, etc.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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





6d 4h

2008 DEC

Table with columns for ID, Name, Date, Time, and various numerical values. The table is organized into columns and contains a large volume of data entries.











Table with columns for station call letters, frequency, power, and other technical details. Includes stations like Villa Florida, Vicksburg, Ulanbaatar, Songoing Array, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like AAK, BBSR, EKS2, SCHEFF, LBTV, BVAR, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KWP, BUR08, UZH, Colim, etc. Includes a large block of text at the bottom with coordinates and error rates.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like La Plagne, Grenoble, Luceram, Saorge, Monezi, Sospel, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Vilva, Western, Lokris, Atalanti, Loutraki, Markates, Desfina, etc.

ICD 06 07:48:04.1±1.0, 30.27S:177.72W, h0km, mb4.4/6, mb1 4.5/7, mb1mx4.2/17, mbtmp4.3/7, ML3.71, MS3.6/3, Ms1 3.7/3, ms1mx3.3/27, Error ellipse: s-maj=40.5km s-min=23.9km az=160.0

ICSCJB 06 07:48:07.5±1.0, 30.2S:0.1±177.9W:0.2, h33km, mb4.3/7, MS4.0/2, Error ellipse: s-maj=21.8km s-min=13.1km az=20.7

NEIC 06 07:48:09.0±0.7, 30.11S:177.74W, h35km, mb4.5/4, Error ellipse: s-maj=18.5km s-min=12.7km az=112.0

ICD 06 07:48:10.1±1.1, 30.2S:0.1±177.9W:0.2, h35km, n36, f=1504/24, mb4.3/7, MS4.0/2, Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Raoul Island, Omahuta, Urewera, Karabiga-Canak, etc.

Table with columns: WRA, FITZ, FITZ, ASAR, ILAR. Includes stations like Warramunga Arr, Fitzroy Crossi, Alice Springs, Eilean Arr.

ICSCJB 06 07:51:25.7±0.3, 40.43N:0.02±28.95E:0.02, h7km2, 2km, Error ellipse: s-maj=3.3km s-min=2.7km az=178.4

CSEEM 06 07:51:25.8±0.1, 40.41N:28.95E, h5km, MD3.2, Error ellipse: s-maj=2.2km s-min=1.9km az=176.0

DDA 06 07:51:25.5±0.4, 40.40N:28.95E, h1km, 2km, MD3.3, M3.6 Error ellipse: s-maj=1.25, s-min=0.3, 40.42N:0.02±28.95E:0.02, h7km2, 2km, n115, -0869/144, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Mudanya-Bursa, Armutlu, Yalova, Buyukada, Karacabey, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Cisomp, Cilipac, Lembang, Sukabumi, Banjamegara, etc.

ICD 06 07:49:17.3±1.8, 2.84S:139.26E, h0km, mb3.6/3, mb1 4.0/4, mb1mx3.7/14, mbtmp3.8/4, ML3.8/1, Error ellipse: s-maj=105.0km s-min=28.5km az=113.0, Near north coast of Irian Jaya

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Bolvad, Bolvad, Gvkegda, Gvkegda, Izm, Izm.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like BNB, CBB, BTT, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like GRG, PLG, POL, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like MK31, MK32, MK33, etc.

ISJCJB 06 09:23:10.8,0.4, 41.68N,01:23:35E,0.02,h2km3,3km, Error ellipse: s-maj=2.7km s-min=2.3km az=11.4

SOF 06 09:23:10.6, 41.67N,23:33E,h13km,MD3.1, Error ellipse: s-maj=1.4km s-min=0.5km az=319.0

ATH 06 09:23:11.9, 41.63N,23:33E,h2km1km,MD3.4/9, Error ellipse: s-maj=2.5km s-min=2.3km az=111.0

SKO 06 09:23:12.3, 41.65N,23:38E,h3km,M2.7,ML.0, Error ellipse: s-maj=2.3km s-min=2.3km az=111.0

BE0 06 09:23:14.2, 41.59N,23:52E,h4km4km,ML3.2/6, Error ellipse: s-maj=2.3km s-min=2.3km az=111.0

ISC 06 09:23:11.6,0.3, 41.66N,01:23:36E,0.02,h2km2km, n124, s118/163, 2C-11D, Greece-Bulgaria border region

IDC 06 09:24:54.6, 62.4, 44.06N,86.16E, h33km, 19km, mb4.3/25, mb1 4.5/29, mb1mx4.4/33, mbtmp4.3/29, ML5.3/4, MS3.4/10, Ms1 3.5/10, ms1mx3.2/30, Error ellipse: s-maj=1.6km s-min=0.8km az=25.0

MOS 06 09:24:54.4, 1.0, 44.09N,86.09E, h45km, mb5.1/39, Error ellipse: s-maj=7.1km s-min=4.5km az=125.3

ISJCJB 06 09:24:56.7, 0.1, 43.98N,02:48:02E,0.03,h69km, mb4.8/108, Error ellipse: s-maj=3.3km s-min=2.5km az=28.9

BUI 06 09:24:56.0, 44.07N,86.14E, h50km, mb5.0/25, mb4.8/34, ML4.6/9, Ms4.4/23, Ms7.4/20

LDG 06 09:24:57.1, 44.10N,86.02E, h71km, SZGRF 06 09:24:57.4, 44.14N,86.06E, h33km, mb5.1, Northern Xinjiang, China

NEIC 06 09:24:58.0, 1.4, 43.96N,86.02E, mb5.0/61, Error ellipse: s-maj=4.3km s-min=3.0km az=49.0

NIC 06 09:25:00.1, 3.3, 44.45N,85.36E, h0km, mb4.7, mpv4.7, Error ellipse: s-maj=38.0km s-min=16.0km az=82.0

DJA 06 09:25:01.4, 40.86N,86.06E, h83km, mb5.1/17, ISC 06 09:24:58.6, 0.1, 43.95N,02:48:05E,0.03, h71km, h71km, 1.3km, pp-P, n415, s192/441, mb4.8/108, 24C-11D, Northern Xinjiang

Table with columns for station name, frequency, power, and other technical details. Includes stations like Songino Array, LSA CEP, DDI Dehra Dun, ULN Ulanbaatar, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Kunming, KMI, KAF, KESKIN, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like NAY, JOF, BALT, AKASG, etc.











6d 10h

Table with columns: Code, Station Name, Az, El, P, Res, Code, Station Name, Az, El, P, Res. Lists various astronomical objects and their observations.

IDC 06 10:27:36.3-1.0, 27:84S:71:00W, h0km, mb4, 0/5, mb1 4.0/5, mb1mx3.9/14, mbtmp4.0/5, Error ellipse: s-maj=42.0km s-min=29.0km az=66.0

IS/CJB 06 10:27:40.6-0.9, 27:74S:0:04:71:2W:0:1, h46km, 8km, mb3.9/5, Error ellipse: s-maj=16.2km s-min=5.6km az=7.4

GUC 06 10:27:41.1-0.8, 27:77S:71:03W, h46km, 4km, ML4.6

NEIC 06 10:27:41.6-0.7, 27:71S:71:12W, h35km, Error ellipse: s-maj=30.1km s-min=10.9km az=70.0

ISC 06 10:27:41.8-1.0, 27:74S:0:04:71:1W:0:1, h36km, 9km, n30, +075/30, mb3.9/5, 3C-2D, Near coast of northern Chile

Table with columns: Code, Station Name, Az, El, P, Res, Code, Station Name, Az, El, P, Res. Lists astronomical objects and their observations.

2008 DEC

Table with columns: Code, Station Name, Az, El, P, Res, Code, Station Name, Az, El, P, Res. Lists astronomical objects and their observations.

Table with columns: Code, Station Name, Az, El, P, Res, Code, Station Name, Az, El, P, Res. Lists astronomical objects and their observations.



6d 10h

Table of station data for the 6d 10h period, including station names, coordinates, and various parameters.

2008 DEC

Main table of station data for 2008 DEC, listing station names, coordinates, and parameters.

194

Table of station data for the 194 period, including station names, coordinates, and parameters.



Table with columns for station call signs (e.g., KKM, KBM, KBUM, SBUM), frequencies, and other identifiers. Includes stations like Kota Kinabalu, Dipolog City, Cismopet, Sibulan, Kuching, Maasin, Bataraza, etc.

Table with columns for station call signs (e.g., CTA, CTA, CTA, CTA, CTA), frequencies, and other identifiers. Includes stations like Charters Tower, CAUP, KLBRR, PDSI, PDSI, PPI, NWAOW, NWAOW, NWAOW, etc.

Table with columns for station call signs (e.g., GZH, GZH, TATO, TATO, TATO, QZH, QZH, NST, NST, ARMA, ARMA, ARMA), frequencies, and other identifiers. Includes stations like Taipei, Quanzhou, Nakhon Sawan, Armidale, Kunigami, Honiara, etc.



Table with columns for station name, frequency, power, and other technical details. Includes stations like POO Poona, PTH Pithoragarh, RAHZ Aarahi, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like WMQ Urumqi, TLY Talaya, CTZ Chatham Island, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KBL Karagaybulak, KBK Karagaybulak, UCH Uchtor, etc.





6d 10h

2008 DEC

200

Table with columns for station call letters, frequency, power, and various technical parameters. The table is organized into two main columns, each containing multiple rows of data for different stations and their associated frequencies and power levels.



SWMT	Swartz Lake	116.38	40	ePKPdf	PKPdf	11 13 23.1	-0.5
SWMT				ePP	PP	11 14 30.4	-2.5
ESY	Stoneypath	116.44	330	eP	PKPdf	11 13 22.6	-0.7
SSF	Saint Saulte	116.45	319	ePKIKP	PKPdf	11 13 23.7	0.0
SSF	Saint Saulte	116.45	319	ePKPdf	PKPdf	11 13 23.7	0.0
SSF	Saint Saulte	116.45	319	ePKIKP	PKPdf	11 13 23.7	0.0
ELSH	Elham, Standar	116.47	324	eP	PKPdf	11 13 23.1	-0.5
ELSH				AMB	AMB	11 13 22.6	
MDO	Dochfour	116.53	332f	eP	PKPdf	11 13 22.8	-0.8
PASC	Pasadena Art C	116.55	56	ePKPdf	PKPdf	11 13 24.7	+0.4
MSO	Missoula	116.63	41	ePKPdf	PKPdf	11 13 23.6	-0.4
MSO				ePP	PP	11 14 32.0	-6.3
AVF	Avril sur Loir	116.64	319	ePKIKP	PKPdf	11 13 23.6	-0.5
AVF	Avril sur Loir	116.64	319	ePKPdf	PKPdf	11 13 23.6	-0.5
AVF	Avril sur Loir	116.64	319	ePKIKP	PKPdf	11 13 23.6	-0.5
MWC	Mount Wilson	116.65	56	ePKPdf	PKPdf	11 13 24.7	+0.3
MWC				ePP	PP	11 14 38.9	-0.1
MWC				ePKIKP	PKPdf	11 13 24.7	+0.2
MWC				e		11 14 38.9	
CAEH	Ain El Ouahch	116.68	307	P	PKPdf	11 13 20.9	-3.6
EBH	Black Hill	116.72	331	eP	PKPdf	11 13 23.9	0.0
EBL	Broad Law	116.73	330	eP	PKPdf	11 13 24.1	+0.1
PLDF	La Plantade	116.72	318	eP	PKPdf	11 13 24.3	0.0
XAL	Allendard	116.73	329	eP	PKPdf	11 13 24.3	0.0
SLMT	Seelye Lake	116.73	40	ePKPdf	PKPdf	11 13 23.8	-0.6
CKFL	Kef-Lehkel	116.85	307	P	PKPdf	11 13 25.7	+0.9
EAU	Auchinoon	116.88	330	eP	PKPdf	11 13 24.8	+0.5
KAC	Achnashellach	116.93	332	eP	PKPdf	11 13 23.3	-1.0
HYF	Humbigny	116.94	320	ePKIKP	PKPdf	11 13 24.9	+0.3
HYF	Humbigny	116.94	320	ePKPdf	PKPdf	11 13 24.9	+0.3
USHA	Ushuaia	116.96	172	PKP	PKPdf	11 13 25.6	+1.1
USHA				comp-Z,25nm,0.7s,baz=133,slow=2.1,SNR=16			
USHA				SKP		11 16 18.4	
USHA				comp-Z,26nm,0.8s,baz=161,slow=1.7,SNR=5.9			
USHA	Ushuaia	116.96	172	PKP	PKPdf	11 13 25.6	+1.1
USHA				SKP		11 16 18.4	
AGO	Saint Agoulin	117.02	318	eP	PKPdf	11 13 24.5	-0.3
ESK	Esksdalemir	117.02	330	eP	PKPdf	11 13 23.0	-1.5
ESK				AMB	AMB	11 13 23.8	
ESK				AMB	AMB	11 13 23.0	-1.5
ESK				AMB	AMB	11 13 23.8	
ESK				AMB	AMB	11 13 23.0	-1.5
ESK				AMB	AMB	11 13 23.8	
ESK				AMB	AMB	11 13 23.0	-1.5
ESK				AMB	AMB	11 13 23.8	
BGF	Bois d'Agland	117.04	319	ePKPdf	PKPdf	11 13 24.3	-0.2
BGF	Bois d'Agland	117.04	319	ePKPdf	PKPdf	11 13 24.3	-0.2
CHMT	Chamberlain	117.05	41	ePKPdf	PKPdf	11 13 24.3	-0.2
CASM	Ain Samra	117.06	307	P	PKPdf	11 13 25.7	+0.5
LASF	Ste Croix	117.13	316	ePKIKP	PKPdf	11 13 25.2	+0.1
LASF	Ste Croix	117.13	316	ePKPdf	PKPdf	11 13 25.2	+0.1
KSB	Shell Bridge	117.14	332	eP	PKPdf	11 13 24.2	-0.5
EAB	Aberfoyle	117.15	331	eP	PKPdf	11 13 24.8	+0.1
CTEI	Djebel Teoual	117.17	307	P	PKPdf	11 13 26.4	+1.0
KPL	Plockton	117.18	332f	eP	PKPdf	11 13 24.1	-0.6
KPL				AMB	AMB	11 13 27.9	
KPL				AMB	AMB	11 13 24.1	-0.6
KPL				AMB	AMB	11 13 27.9	
PYM	Petit Puy Mans	117.19	318	eP	PKPdf	11 13 24.9	-0.3
LBL	Lubilhac	117.20	317	eP	PKPdf	11 13 24.7	-0.3
HLID	Halley	117.31	45	ePKPdf	PKPdf	11 13 25.4	+0.1
HLID				ePP	PP	11 14 39.8	-3.4
KESW	Keswick, Cumber	117.31	329f	eP	PKPdf	11 13 25.0	-0.1
KESW				AMB	AMB	11 13 30.0	
KWE	Weaver Farm	117.37	327	eP	PKPdf	11 13 25.4	+0.1
PGBU	Glienferbraes	117.41	330	eP	PKPdf	11 13 25.7	+0.4
PGBU				AMB	AMB	11 13 39.3	
RPN	Rapa Nui	117.42	126	PKP	PKPdf	11 13 27.0	+0.8
RPN				comp-Z,14nm,0.4s,baz=293,slow=5.4,SNR=3.5			
RPN	Rapa Nui	117.42	126	PKP	PKPdf	11 13 27.0	+0.8
RPN	Rapa Nui	117.42	126	PKIKP	PKPdf	11 13 27.0	+0.8
GSC	Goldstone	117.47	54	ePKPdf	PKPdf	11 13 26.7	+0.6
GSC				ePP	PP	11 13 23.0	-1.6
GSC				ePKIKP	PKPdf	11 13 25.2	+0.7
GSC				e		11 14 43.0	
VERF	Verneugheol	117.54	318	eP	PKPdf	11 13 26.1	+0.3
TCF	Toux Ste Croi	117.55	319	ePKIKP	PKPdf	11 13 25.8	0.0
TCF	Toux Ste Croi	117.55	319	ePKIKP	PKPdf	11 13 25.8	0.0
WDE	Dent Fell	117.55	329f	eP	PKPdf	11 13 25.8	+0.2
XOL	Wolverton	117.76	325	eP	PKPdf	11 13 26.0	-0.1
WOL				AMB	AMB	11 13 29.0	
CKHR	Kef el Ahmar	117.88	307	P	PKPdf	11 13 27.6	+0.8
SET	Setif	117.94	307	P	PKPdf	11 13 28.0	+1.1
LRM	Limekiln Ridge	117.94	42	ePKPdf	PKPdf	11 13 26.8	+0.2
GALL	Galloway	117.99	330f	eP	PKPdf	11 13 25.5	-0.9
GALL				AMB	AMB	11 13 29.4	
GALL				AMB	AMB	11 13 25.5	-0.9
GALL				AMB	AMB	11 13 29.4	
DLMT	Dillon	117.99	42	ePKPdf	PKPdf	11 13 27.1	+0.4
MCMT	McKenzie Canyo	118.00	43	ePKPdf	PKPdf	11 13 27.3	+0.5
SWN1	Swindon	118.00	325f	eP	PKPdf	11 13 25.9	-0.6
SWN1				AMB	AMB	11 13 29.6	
HRV	Holler Researc	118.04	41	ePKPdf	PKPdf	11 13 26.9	+0.1
HRV				ePP	PP	11 14 46.2	-1.8
BAR	Barrett	118.04	57	ePKPdf	PKPdf	11 13 27.6	+0.3
PFO	Pinyon Flat Ob	118.06	56	ePKPdf	PKPdf	11 13 27.8	+0.5
PFO				ePP	PP	11 14 47.4	-1.3
PFO				ePKIKP	PKPdf	11 13 27.8	+0.6
CAF	Calviac	118.09	317	ePKIKP	PKPdf	11 13 27.3	+0.4
CAF				comp-Z,149nm,0.9s			
CAF	Calviac	118.09	317	ePKPdf	PKPdf	11 13 27.3	+0.4
CAF	Calviac	118.09	317	ePKIKP	PKPdf	11 13 27.3	+0.4
GIM	North Isle of Long Mynd	118.15	337f	eP	PKPdf	11 13 25.4	-1.4
HLM1				AMB	AMB	11 13 28.9	
FOEL	Foel Wyifa	118.16	327	eP	PKPdf	11 13 25.6	-1.2
FOEL				AMB	AMB	11 13 30.2	
LDF	La Druitiere	118.20	322	ePKIKP	PKPdf	11 13 26.6	-0.4
LDF				comp-Z,52nm,0.9s			
LDF	La Druitiere	118.20	322	ePKPdf	PKPdf	11 13 26.6	-0.4
LDF	La Druitiere	118.20	322	ePKIKP	PKPdf	11 13 26.6	-0.4
RJF	Les Rejaudoux	118.33	318	ePKIKP	PKPdf	11 13 27.5	+0.1
RJF				eR			
RJF	Les Rejaudoux	118.33	318	ePKPdf	PKPdf	11 13 27.5	+0.1
RJF	Les Rejaudoux	118.33	318	ePKIKP	PKPdf	11 13 27.5	+0.1
FLN	La Foliniere	118.36	322	ePKIKP	PKPdf	11 13 27.1	-0.2
FLN				comp-Z,4um,22.5s			
FLN	La Foliniere	118.36	322	ePKPdf	PKPdf	11 13 27.1	-0.2
FLN	La Foliniere	118.36	322	ePKIKP	PKPdf	11 13 27.1	-0.2
LRDF	Larouche-de-Fa	118.38	315	eP	PKPdf	11 13 27.5	-0.1
MCH1	Michaechurch	118.45	326f	eP	PKPdf	11 13 28.3	+0.9
MCH1				AMB	AMB	11 13 35.1	
FILF	Fillets	118.48	315	eP	PKPdf	11 13 27.9	+0.1
MTLF	Montoliou	118.48	316	ePKIKP	PKPdf	11 13 27.5	-0.2
MTLF				comp-Z,89nm,2.4s			
MTLF	Montoliou	118.48	316	ePKPdf	PKPdf	11 13 27.5	-0.2
HGH	Gray Hill	118.51	326	eP	PKPdf	11 13 27.9	+0.4
BOZ	Bozeman (W)	118.54	42	ePKPdf	PKPdf	11 13 28.1	+0.4
BOZ				ePP	PP	11 14 45.9	-5.5
BOZ				ePKIKP	PKPdf	11 13 28.2	+0.4
GRR	Gorron	118.54	42	ePKIKP	PKPdf	11 13 27.9	-0.1
GRR				comp-Z,84nm,0.9s			
GRR	Gorron	118.54	42	ePKPdf	PKPdf	11 13 27.9	-0.1
GRR	Gorron	118.54	42	ePKIKP	PKPdf	11 13 27.9	-0.1
EGMT	Eagleton	118.57	39	ePKPdf	PKPdf	11 16 25.7	+1.1
EGMT				eSKPdf	SKPdf	11 16 25.7	+1.1
LDGC	Landfair	118.88	54	ePKPdf	PKPdf	11 13 29.9	+1.1

VALF	Valcebollere	118.91	315	eP	PKPdf	11 13 29.0	+0.4
GMF	Mts of Mourne	118.93	329	eP	PKPdf	11 13 27.7	-0.6
QMM	Earthquake Lak	118.95	42	ePKPdf	PKPdf	11 13 29.5	+0.9
QMM	Saint Martin d	118.96	320	ePKIKP	PKPdf	11 13 28.4	-0.2
MFF	Saint Martin d	118.96	320	ePKIKP	PKPdf	11 13 28.4	-0.2
MFF				comp-Z,147nm,0.8s			
FFF	La Frestale	118.97	318	ePKIKP	PKPdf	11 13 28.9	+0.3
FFF				comp-Z,260nm,1.0s			
FFF	La Frestale	118.97	318	ePKPdf	PKPdf	11 13 28.9	+0.3
FFF	La Frestale	118.97	318	ePKIKP	PKPdf	11 13 28.9	+0.3
HVVU	Hansel Valley	118.98	46	ePKPdf	PKPdf	11 13 29.2	+0.4
HVVU				ePP	PP	11 14 51.6	-3.1
HVVU	Hansel Valley	118.98	46	ePKIKP	PKPdf	11 13 29.2	+0.4
HVVU				e		11 14 51.6	
HVVU	Saint Aubin	119.20	323	eP	PKPdf	11 13 28.1	-0.9
HVVU				AMB	AMB	11 13 28.1	-0.9
YMR	Madison River	119.32	43	ePKPdf	PKPdf	11 13 30.7	+1.4
SPIG	San Pedro Mart	119.32	59	P	PKPdf	11 13 30.1	+0.4
DUG	Dugway	119.41	48	ePKPdf	PKPdf	11 13 29.8	+0.2
DUG	Dugway	119.41	48	ePKIKP	PKPdf	11 13 29.8	+0.2
YFT	Old Faithful	119.48	43	ePKPdf	PKPdf	11 13 31.8	+2.2
YNR	Norris Junctio	119.49	42	ePKPdf	PKPdf	11 13 31.1	+1.5
GLA	Glamis	119.51	56	ePKPdf	PKPdf	11 13 30.8	+0.8
GLA	Glamis	119.51	56	ePKIKP	PKPdf	11 13 30.8	+0.8
RRI2	Red Ridge	119.52	46	ePKPdf	PKPdf	11 13 30.4	+0.7
DCDI	Drake Creek	119.53	44	ePKPdf	PKPdf	11 13 30.0	+0.3
ARUF	Antelope Range	119.58	51	ePKPdf	PKPdf	11 13 30.3	+0.3
ARUF	Antelope Range	119.58	51	ePKIKP	PKPdf	11 13 30.3	+0.3
IMW	Indian Meadow	119.60	43	ePKPdf	PKPdf	11 13 30.7	+0.8
IMW				comp-Z,147nm,1.9s			
ABA	Ager-Bouzarea	119.66	308	P	PKPdf	11 13 30.4	+0.2
CCUT	Cedar City	119.69	51	ePKPdf	PKPdf	11 13 29.3	-0.9
CCUT				ePP	PP	11 14 58.2	-1.5
FLWY	Flagg Ranch	119.70	43	ePKPdf	PKPdf	11 13 30.9	+0.9
DLF	Lyons Farm	119.71	329	eP	PKPdf	11 13 29.0	-0.1
TPAW	Lyons Pass	119.72	44	ePKPdf	PKPdf	11 14 58.2	-1.4
TPAW				ePP	PP	11 14 58.2	-1.4
TAM	Tamanrasset	119.73	292	ePKPdf	PKPdf	11 13 32.7	+1.9
TAM	Tamanrasset	119.73	292	ePKIKP	PKPdf	11 13 32.7	+1.9
LKWY	Lake						





Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BUI, NEIC, MEX, ISC, LPIG, MAIG, TXAR, etc.

Table with columns: WCI, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like CPCT, SWMT, HAWA, EGMT, TKL, etc.

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





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DEMI Demirci, ULDT Uludag, GEMT Gemlik, etc.

JMA 06 14:42:00.9, 0.1, 36.95N, 141.43E, h68km, 1.1km, M3.5, 6D,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ONAJ Iwakimizuishi, JFK Kawauchi, JHO Hitachi, etc.

DJA 06 14:49:04, 9.705, 116.72E, h9km, MLv3.6/9, Sumbawa region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KHKI Kahang-Kahang, IGBI Denpasar, SRBI Singaraja, etc.

ISCJB 06 14:51:26.6, 1.0, 32.83N, 0.07, 105.60E, 0.07, h10km, mb3.2/4, Error ellipse: s-maj=10.2km s-min=7.5km az=31.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like XAN Xi'an, LZH Lanzhou, MKAR Makanchi Array, etc.

IDC 06 14:58:42.1, 31.0, 15.94S, 176.56W, h0km, mb4.0/4, mb1.4/1.4, mb1mx3.8/1.7, mbtmp4.0/4, Error ellipse: s-maj=596.0km s-min=150.6km az=84.0, Fiji Islands region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ANIG El Cayaco, MEIG Mezcala, MEIG Mezcala, etc.

ISCJB 06 15:22:12.4, 1.2, 7.80S, 0.04, 117.73E, 0.03, h8km, 0.8km, az=174.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MTNI Mataram, KHKI Kahang-Kahang, SRBI Singaraja, etc.

IDC 06 15:54:17.4, 2.0, 4.37N, 127.03E, h0km, mb3.5/3, mb1.3/4, mb1mx3.3/1.9, mbtmp3.5/3, Error ellipse: s-maj=150.6km s-min=24.8km az=66.0, Talaud Islands region

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

34nm, 0.5s
ATH 06 15:48:37.7, 38.84N, 26.15E, h35km, 2km, MD2.8/3
ISCJB 06 15:48:38.7, 0.5, 38.80N, 0.02, 26.38E, 0.04, h9km, 4km, Error ellipse: s-maj=5.3km s-min=3.3km az=0.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PRK Paraskevi, URLA Izmir, URLA Izmir, etc.

ISCJB 06 16:14:36.4, 0.4, 6.56N, 0.05, 95.14E, 0.07, h223km, 4km, mb4.0/35, Error ellipse: s-maj=12.0km s-min=5.3km

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



Table with columns: DMN, KKN, KKN, KMMI, GKN, GKN, KOLN, KOLN, DANN, DANN, PYUN, PYUN, GTOI, MBWA, FITZ, AAK, EKSE, MKAR, MKAR, SONM, SONM, ULN, ULN, KLRB, NWAO, NWAO, WRA, WRA, WRA, WRA, WRAB, WB2, ZALV, ZALV, ZALV, AS31, ASAR, ASAR, BRVK, ABKAR, AKTO, AKTO, STKA, STKA, BRTR, BRTR, BRTR, CASY, FINES, FINES, LBTB, LBTB, BOSA, BOSA, ARCES, ARCES, ARCES, GERES, GERES, Vnda, Vnda

ISCJB 06 16:23:59.0, 39.61N, 0.03, 43.71E, h12km, 5km, Error ellipse: s-maj=5.0km s-min=3.9km az=155.9

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

Table with columns: BINT, Binol, 2.62 255 ePn, Pn, 16 24 39.1 -3.8

CSEM 06 16:41:56.8, 0.2, 39.34N, 20.81E, h16km, 2km, MD3.0, Error ellipse: s-maj=5.8km s-min=4.5km az=9.0

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

Table with columns: VHO, UTMO, UTMO, UTMO, UTMO, HUIG, HUIG, HUIG, HUIG, HUIG, CAIG, CAIG, CAIG, CMIG, CMIG, CMIG, CMIG, ZIIG, ZIIG, ZIIG, ZIIG

IPEC 06 16:54:11.9, 0.2, 51.58N, 16.20E, h0km, ML2.7/4, Error ellipse: s-maj=1.4km s-min=1.3km az=19.0

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

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

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

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Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.



6d 19h

ISC 06 19:09:29.2,0.5,37.91N:0'03:27.18E:0.04,h11km,5km,  
n24,c088/40, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like GCAM, SMG, BLCB, IZM, CHOS, AKHS, AKS, YER, DAT, MANT, KULA, PRK, etc.

ISCJB 06 19:11:35.2,0.4,43.78N:0'03:105.23W:0.05,h0km,  
mb4,1/2, Error ellipse: s-maj=4.8km s-min=4.4km  
az=162.3

NEIC 06 19:11:36.9,0.4,43.80N:105.26W,h0km,ML3.3, Error  
ellipse: s-maj=5.1km s-min=4.8km az=82.0, Suspected  
Mining explosion.

NEIC 60 km [35 miles] SSE of Gillette.  
IDC 06 19:11:38.2,0.9,44.09N:105.73W,h0km,mb3.9/2,  
mb1 3.8/7,mb1mx3.5/26,mbtmp3.5/7,ML3.3/5,MS2.6/1,  
Ms1 2.6/1,ms1mx2.1/38, Error ellipse: s-maj=24.6km  
s-min=8.3km az=144.0

ISC 06 19:11:37.1,0.4,43.78N:0'03:105.23W:0.05,h0km,n71,  
r1507/74,mb4.1/2,Wyoming

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists numerous stations including RSSD, PHWY, RHWY, LAO, RLMT, PDAR, etc.

2008 DEC

Table with columns: WUAZ, Wupatki, 9.51 212 ePn, 19 13 54.7 -0.7, etc. Lists stations like WMOK, NVAR, TXAR, etc.

ISCJB 06 19:15:02.5,0.9,24.53N:0'05:122.84E:0'03,h90km,8km,  
Error ellipse: s-maj=8.0km s-min=4.0km az=4.7  
TAP 06 19:15:02.1,24.53N:122.77E,h107km,ML3.0,C  
JMA 06 19:15:02.1,24.53N:122.77E,h96km,ML1.8  
ISC 06 19:15:02.9,0.9,24.52N:0'05:122.84E:0'03,h89km,8km,  
n25,c067/45, Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like YOJ, IRIF, TWC, TWTB, HATJ, ENA, TWE, NWF, JKRS, etc.

IDC 06 19:18:30.1,1.3,30.45N:67.23E,h0km,mb3.5/10,  
mb1 3.6/10,mb1mx3.4/30,mbtmp3.6/10,MS3.2/1,  
Ms1 3.3/1,ms1mx2.3/31, Error ellipse: s-maj=30.7km  
s-min=23.5km az=62.0

ISCJB 06 19:18:31.7,1.6,30.65N:0'09:67.4E:0'1,h16km,15km,  
mb3.5/8, Error ellipse: s-maj=21.1km s-min=11.8km  
az=27.9

NEIC 06 19:18:32.0,0.6,30.53N:67.36E,h10km,mb3.3/1, Error  
ellipse: s-maj=15.7km s-min=8.1km az=123.0  
ISC 06 19:18:32.7,1.7,30.59N:0'09:67.4E:0'1,h13km,13km,  
n28,r121/28,mb3.4/9,Pakistan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like QUE, KBL, EKSZ, AAK, etc.

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Table with columns: KEST, WRA, WRA, ASAR, ASAR, etc. Lists stations like Keera, Warramunga Arr, Alice Springs, etc.

IDC 06 19:20:22.2,1.4,53.25N:116.97W,h0km,mb3.0/1,  
mb1 3.7/5,mb1mx3.4/24,mbtmp3.4/5,ML3.2/4,MS3.0/1,  
Ms1 3.0/1,ms1mx2.3/12, Error ellipse: s-maj=27.3km  
s-min=10.9km az=77.0,Alberata

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

IDC 06 19:35:04.6,1.2,39.34N:73.85E,h0km,mb3.6/4,  
mb1 3.7/7,mb1mx3.4/28,mbtmp3.6/7,ML2.9/3,MS2.9/1,  
Ms1 2.9/1,ms1mx2.1/35, Error ellipse: s-maj=38.8km  
s-min=19.2km az=56.0

NNC 06 19:35:08.3,3.7,39.82N:73.59E,h0km,mb3.5,mpv3.1,  
Error ellipse: s-maj=37.7km s-min=15.0km az=15.0  
ISCJB 06 19:35:11.9,1.1,39.54N:0'07:73.54E:0'09,h77km,11km,  
mb3.4/4, Error ellipse: s-maj=11.6km s-min=10.6km  
az=136.2

NEIC 06 19:35:12.4,1.4,39.63N:73.57E,h56km,16km, Error  
ellipse: s-maj=17.6km s-min=14.1km az=117.0  
ISC 06 19:35:13.4,1.0,39.54N:0'07:73.56E:0'09,h78km,11km,  
n38,r142/40,mb3.4/4,5C-5D,Tajikistan-Xinjiang border  
region

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists numerous stations including AML, UCH, KZA, EKS2, etc.

IDC 06 19:54:56.7,1.6,11.22S:162.22E,h0km,mb3.6/5,  
mb1 3.8/6,mb1mx3.7/17,mbtmp3.7/6,ML4.0/1,MS3.3/1,  
Ms1 3.3/1,ms1mx2.6/21, Error ellipse: s-maj=38.2km  
s-min=28.8km az=131.0,Bougainville - Solomon  
Islands region

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









Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
baz=257						
SCLT	Jiali	0.38	269	eP	Pg	21 34 54.9 -0.6
baz=271						
SCLT	Shoushan	0.40	206	eS	Sg	21 35 03.0 +2.5
baz=204						
TWMT	Shoushan	0.40	206	lP	Pg	21 34 56.2 +0.0
CHN8	Yiju	0.40	294	P	Pg	21 34 54.7 -1.1
baz=297						
CHN8				eS	Sg	21 35 02.5 +1.4
baz=297						
CHN5	Tsauling	0.42	9	lP	Pg	21 34 55.4 -0.8
baz=10.0						
CHN5				eS	Sg	21 35 03.2 +1.6
SSD	Sandimen	0.44	177	lP	Pg	21 34 55.8 -0.7
baz=165						
SSD				S	Sg	21 35 02.9 +0.7
baz=165						
YUS	Yu-Shan	0.44	46	P	Pg	21 34 56.5 -0.1
baz=45						
YUS				iS	Sg	21 35 03.2 +0.9
SGLT	Jiouru	0.47	193	P	Pg	21 34 57.9 +0.7
baz=192						
WGK	Gukeng	0.50	355	eP	Pg	21 34 57.3 -0.5
baz=357						
WGK				eS	Sg	21 35 06.3 +2.0
TWG	Pinlang	0.56	130	lP	Pg	21 34 58.5 -0.3
baz=115						
TWG				S	Sg	21 35 07.2 +1.1
baz=115						
TWG	Pinlang	0.56	130	eP	Pg	21 34 58.4 -0.5
baz=115						
TWG				eS	Sg	21 35 07.5 +1.3
WF	Szhu	0.57	322	eP	Pg	21 34 58.5 -0.7
baz=324						
WSF				iS	Sg	21 35 07.7 +1.0
baz=324						
TWF1	Yuli	0.65	75	lP	Pg	21 35 00.1 -0.6
baz=73						
TWF1				iS	Sg	21 35 09.2 0.0
baz=73						
TTN	Taitung	0.66	131	P	Pg	21 35 00.8 +0.1
baz=129						
TTN				S	Sg	21 35 11.7 +2.5
baz=129						
ECL	Taimai	0.67	151	iP	Pg	21 35 00.1 -0.8
baz=150						
YULB	Yu-li	0.67	72	eP	Pg	21 34 59.7 -1.2
baz=150						
YULB				eS	Sg	21 35 09.3 -0.3
KAU	Kaoshiung	0.67	204	eP	Pg	21 35 01.2 +0.2
baz=219						
SSLB	Suanguang	0.68	28	eP	Pg	21 34 59.9 -1.3
SSLB				eS	Sg	21 35 02.2 +0.2
WNT	Mingjian	0.69	6	P	Pg	21 35 01.1 -0.4
baz=6.0						
WNT				S	Sg	21 35 12.2 +1.7
CHKT	Chengkung	0.70	97	eP	Pg	21 35 01.3 -0.2
baz=95						
CHKT				eS	Sg	21 35 13.2 +2.5
EHY	Hungye	0.73	64	P	Pg	21 35 01.3 -0.9
baz=73						
EHY				S	Sg	21 35 11.4 -0.2
WTCT	Ta-ch'eng	0.74	336	eP	Pg	21 35 01.0 -1.3
baz=337						
WTCT				eS	Sg	21 35 12.2 +0.2
baz=337						
SMLT	Sun Moon Lake	0.74	21	lP	Pg	21 35 01.9 -0.5
baz=21						
SMLT				S	Sg	21 35 13.5 +1.3
TYC	Yuchr	0.75	18	lP	Pg	21 35 01.9 -0.6
baz=18						
TYC				eS	Sg	21 35 13.4 +1.1
SCZT	Fangliu	0.81	179	lP	Pg	21 35 02.6 -1.0
baz=169						
SCZT				eS	Sg	21 35 15.8 +1.7
EAST	Anshuo	0.83	165	lP	Pg	21 35 03.2 -0.8
baz=163						
EAST				S	Sg	21 35 16.2 +1.5
TAW	Tawu	0.86	162	P	Pg	21 35 03.8 -0.9
baz=161						
TAW				S	Sg	21 35 16.3 +0.4
TWP	Hsiaoliuchiu	0.86	195	eP	Pg	21 35 05.4 +0.7
baz=195						
TWP				eS	Sg	21 35 20.8 +4.9
TCU	Taichung	0.96	4	eP	Pg	21 35 05.5 -1.1
baz=350						
ESL	Shilin	0.98	50	eP	Pg	21 35 05.9 -1.1
baz=48						
PNG	Penghu	1.04	292	eP	Pg	21 35 05.0 -3.1
baz=293						
PNG				eS	Sg	21 35 19.4 -2.2
WHF	Hehuan Shan	1.13	32	eP	Pg	21 35 08.2 -1.6
baz=31						
WHF				eS	Sg	21 35 24.8 +0.3
TWQ1	Liyutan	1.17	7	lP	Pg	21 35 09.1 -1.5
baz=7.0						
TWQ1				eS	Sg	21 35 26.0 +0.2
HEN	Hengchun	1.18	174	eP	Pg	21 35 09.5 -1.3
baz=174						
HEN				eS	Sg	21 35 09.0 -1.9
NSY	Sanyi	1.23	6	eP	Pg	21 35 10.2 -1.6
baz=353						
NSY				eS	Sg	21 35 28.0 +0.1
TWK1	Hengchun	1.25	172	eP	Pg	21 35 09.8 -2.3
baz=172						
TWD	Chiawan	1.27	45	eP	Pg	21 35 11.8 -0.7
baz=44						
TWD				S	Sg	21 35 29.1 +0.1
NACB	Ninganchiao	1.34	42	eP	Pn	21 35 12.4 -1.3
NACB				eS	Sg	21 35 30.4 -0.8
NNS	Nan Shan	1.43	29	eP	Pg	21 35 13.3 -1.7
baz=28						
NNS				eS	Sb	21 35 33.3 -0.8
NST	Nanjung	1.48	14	eP	Pn	21 35 13.8 -2.0
baz=39						
NSTA	Nanau	1.61	40	eP	Pn	21 35 18.7 +1.2
baz=52						
NSK	Sanguang	1.64	25	eP	Pn	21 35 17.0 -0.8
baz=14						
NSK				eS	Sn	21 35 39.3 -0.1
YHNB	Yehung	1.64	25	eP	Pn	21 35 17.8 -0.1
YHNB				eS	Sn	21 35 39.8 +0.4
ENTT	Nioudou	1.69	31	eP	Pn	21 35 18.8 +0.2
baz=20						
ENTT				eS	Sn	21 35 41.3 +0.5
TWE	Neicheng	1.81	32	eP	Pn	21 35 21.2 +1.0
baz=31						
TWE				eS	Sn	21 35 45.5 +1.8
TWC	Suao	1.82	38	eP	Pn	21 35 20.3 -0.0
baz=50						
TWC				eS	Sn	21 35 44.3 +1.1
baz=50						
TWA	Mucha	2.00	26	eP	Pn	21 35 23.6 +0.8
baz=11						
TWS1	Kuangyinshan	2.05	21	eP	Pn	21 35 23.4 -0.1
baz=4.0						
KNM	Kinmen	2.34	302	eP	Pn	21 35 28.2 +0.7

couple: M5.70000\*1014 NP1.3247.00000\*: 870.00000\*, 1.00.00000\*, NP2.2640.00000\*: 822.00000\*, 1.65.00000\*  
 JMA 06 21:38:02.6.0.1, 37.23N:141.44E, h76km, km, M4.1  
 Broadband fault plane solution: P waves. NP1:  
 p=127.00000\*, s=53.00000\*, t=111.00000\*. NP2:  
 p=340.00000\*, s=82.00000\*, t=64.00000\*. Principal axes:  
 T P1g6.0000\*, Azm232.0000\*; N P1g17.0000\*,  
 Azm140.0000\*; P P1g72.0000\*, Azm341.0000\*;  
 JMA Felt II J1  
 NEIC 06 21:38:04.3.0.9, 38.05N:141.00E, h35km, MG4.1 (JMA)  
 Error ellipse: s-maj=21.7km s-min=15.0km az=126.0  
 NEIC recorded 12 JMA in Fukusima area 11 JMA in Tochiigi  
 ISC 06 21:38:01.4.1.0, 37.16N:141.68E:0.07, h35km, n25,  
 o=90.93, mb3.5, 4C-2D, Near east coast of eastern Honshu

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
JFK	Kawauchi	0.67	288	P	ISC	21 38 15.8 +1.4
JFK				S	h	21 38 25.0 +1.3
ONAJ	Iwakimizuishiy	0.70	266	lP	Pn	21 38 16.2 +1.4
ONAJ				S	h	21 38 26.1 +1.7
JMM	Marumori	1.00	316	lP	Pn	21 38 19.3 +0.5
JMM				eS	S	21 38 31.7 0.0
JFT	Otama	1.13	289	lP	Pn	21 38 21.1 +0.5
JFT				S	h	21 38 44.6 -1.7
JIO	Ouri	1.32	349	lP	Pn	21 38 24.1 +0.8
JIO				S	h	21 38 39.8 +0.1
JOU	Okura	1.45	327	P	Pn	21 38 25.0 0.0
JOU				eS	S	21 38 42.1 -0.7
JFY	Yanaizu	1.59	280	P	Pn	21 38 26.7 -0.3
JFY				S	h	21 38 46.6 -1.7
JYS	Shirataka	1.66	310	P	Pn	21 38 27.9 -0.1
JYS				S	h	21 38 47.6 -0.5
JMK	Ichinoseki	1.83	349	lP	Pn	21 38 30.7 +0.4
JMK				S	h	21 38 51.9 -0.3
JAG	Ashikaga	1.93	248	lP	Pn	21 38 31.8 +0.2
JAG				eS	S	21 38 53.1 -1.4
JNS	Sasagawa	1.99	290	P	Pn	21 38 31.5 -1.0
MJAR	Matsushiro Arr	2.85	259	P	Pn	21 38 44.1 -0.1
MJAR				eS	S	21 38 44.1 -0.1
MJAR	Matsushiro Arr	2.85	259	eP	Pn	21 38 44.6 +0.3
MAJO				P	Pn	21 38 44.7 +0.4
MAT	Matsushiro	2.85	259	P	Pn	21 39 16.4 -1.0
MAT				S	h	21 43 43.7 -4.0
SONM	Songino Array	27.89	304	P	P	21 43 43.7 -4.0
SONM				P	P	21 46 02.7 -4.4
SONM	Songino Array	27.89	304	P	P	21 43 43.7 -4.0
SONM				P	P	21 46 02.7 -4.4
MKAR	Makanchi Array	44.23	302	P	P	21 46 02.7 -4.3
ILAR	Eielson Array	49.26	32	P	P	21 46 44.6 -1.6
ILAR				P	P	21 46 44.6 -1.6
ILAR	Eielson Array	49.26	32	P	P	21 46 44.6 -1.6
WRA	Warramunga Arr	57.21	188	P	P	21 47 54.5 -1.1
WRA				P	P	21 47 54.5 -1.1
WRA	Warramunga Arr	57.21	188	P	P	21 48 19.7 -1.8
ASAR	Alice Springs	60.94	188	P	P	21 48 19.7 -1.8
ASAR				P	P	21 48 19.7 -1.8
ASAR	Alice Springs	60.94	188	P	P	21 48 19.7 -1.8

ISC 06 21:50:46.6.2.2, 24.47N:92.59E, h0km, mb3.3/4,  
 mb1.3/4.5, mb1mx3.2/26, mbtmp3.2/5, ML3.2/1, MS3.4/1,  
 M1 3.4/1, ms1mx2.4/21, Error ellipse: s-maj=80.0km  
 s-min=22.5km az=0.0  
 ISC/JB 06 21:50:55.7.1.0, 24.26N:01.193.2E:0.1, h75km, 9km,  
 mb3.1/4, Error ellipse: s-maj=24.5km s-min=10.4km  
 az=30.6  
 ISC 06 21:50:57.1.1.0, 24.26N:01.193.2E:0.1, h65km, 11km, n8,  
 o=89.9, mb3.1/4, 1C, Myanmar-India border region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
IMP	Imphal	0.69	70	Op	ISC	21 51 10.0 +1.5
IMP				eS	S	21 51 23.0 +0.9
SHL	Shillong	1.58	310	lP	Pn	21 51 24.0 +1.1
SHL				eS	S	21 51 42.0 -0.4
CMAR	Chiang Mai Arr	8.07	138	P	Pn	21 52 51.3 -0.3
CMAR				P	P	21 56 00.7 -3.6
CMAR	Chiang Mai Arr	8.07	138	P	Pn	21 56 00.7 -3.6
SONM	Songino Array	25.48	21	P	P	21 56 19.3 +0.2
AKTO	Aktubinsk	37.48	323	LR	LR	22 16 20.5
WRA	Warramunga Arr	59.65	134	P	P	22 00 55.0 +0.2
ASAR	Alice Springs	62.08	187	P	P	22 01 11.6 +0.4
ASAR				P	P	22 01 11.6 +0.4

ISC 06 22:00:06.7.1.4, 8.31S: 129.60E, h0km, mb3.8/3,  
 mb1.4/2.6, mb1mx3.9/16, mbtmp4.0/6, ML4.3/3, MS3.2/3,  
 M1 3.2/3, ms1mx2.8/27, Error ellipse: s-maj=49.5km  
 s-min=24.0km az=69.0  
 NEIC 06 22:00:11.6.0.9, 8.50S: 129.46E, h35km, Error ellipse:  
 s-maj=26.3km s-min=11.6km az=69.0  
 ISC/JB 06 22:00:13.3.2.2, 8.76S: 129.42E:0.09, h72km, 26km,  
 mb3.6/3, Error ellipse: s-maj=14.7km s-min=11.7km  
 az=153.8  
 DJA 06 22:00:19.8.86S: 129.44E, h132km, mb4.2/4  
 ISC 06 22:00:14.7.2.0, 8.73S: 0.09:129.45E:0.09, h73km, 25km,  
 n21, o=67/26, mb3.6/3, Timor Sea

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
FITZ	Fitzroy Crossi	10.02	201	Op	ISC	22 02 36.3 +0.5
FITZ				S	h	22 04 26.5 -0

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like Gorkha, Kurchatov, Kurkhatov, etc.

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like GTA, Impal, Kiv, Lanzhou, etc.

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like Beijing, Vri, Plostina, etc.

Table of astronomical observations for 6d 22h, listing station names (e.g., SSSLB, KSAR), times, and coordinates.

Table of astronomical observations for 2008 DEC, listing station names (e.g., SUMG, TORO), times, and coordinates.

Table of astronomical observations for 216, listing station names (e.g., JOU, OKURA), times, and coordinates.

IDC 06 22:11:22.95.2.28:58Sx177.32W, h0km, mb3.7/3, mb1 3.8/3, mb1mx3.7/13, mbtmp3.7/3, Error ellipse: s-maj=182.6km s-min=80.9km az=154.0, Kermadec islands region

ISCJBJ 06 22:29:49.1±1.0, 43°09'N, 0°08'17.30E±0.08, h10km, Error ellipse: s-maj=13.1km s-min=5.9km az=29.8

NIED 06 22:31:00.38:50N, 141°20'E, h5km, Mw4.0 Best double couple: M1:28000°1015° N P1:176.00000°864.00000°

Table with columns: FITZ, WRAB, WB2, WRA, WRA, RES, RES, ASAR, ASAR, ARCES, ARCES, YKA, YKA, YKA, JOF, JOF, KAF, KAF, FINES, FINES, NOA, NOA, AKASG, AKASG, PDAR, PDAR, BRTR, BRTR, BRTR, BRTR, CLM, CLM, GERS, GERS, GERS, TXAR, TXAR, TXAR, LPAZ. Each row contains station name, frequency, power, and other technical details.

IDC 06 22:50:58.716.33'41S:70.07W,h0km,mb3.8/4, mb1 4.2/4,mb1mx4/0.1,mbtrp3.8/4, Error ellipse: s-maj=76.2km s-min=39.9km az=26.0
ISCJB 06 22:51:12.20.5.33'12S:03.70W,h111km,3km, mb3.5/4, Error ellipse: s-maj=10.8km s-min=5.0km az=169.8

Table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, ISC. Lists various stations and their technical specifications.

Table with columns: PDAR, PDAR, NVAR, NVAR, WRA, WRA, ZALV, ZALV, MKAR, MKAR. Lists stations and their technical specifications.

IDC 06 22:53:56.04.9.22'24S:175.39W,h0km,mb3.6/3, mb1 3.9/3,mb1mx3.7/15,mbtrp3.6/3, Error ellipse: s-maj=319.0km s-min=34.8km az=155.0, Tonga Islands region

Table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, ISC. Lists stations and their technical specifications.

NEIC 06 23:04:54.3.37'14S:176.74E,h200km, MG4.1 (WEL), After WEL. WEL 06 23:04:53.60.2.37'10S:176.67E,h201km,2km,ML.4.1/14, 3D, Error ellipse: s-maj=3.4km s-min=3.3km az=0.0, North Island

Table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, ISC. Lists various stations and their technical specifications.

Table with columns: DSZ, LTZ, LTZ, MOZ, CTZ, CTZ. Lists stations and their technical specifications.

NIED 06 23:28:00.36'70N:141.40E,h29km,Mw4.1 Best double couple: M1.57000x10^15 N1.01x10^16,0.00000',0.83,0.00000', 7.81,0.00000'. NP2=251.00000',0.12,0.00000',1.43,0.00000'. ISCJB 06 23:28:38.51.1.36'73N:0.05:141.60E:0.07,h34km,7km, mb4.2/25,MS3.4/6, Error ellipse: s-maj=10.3km s-min=5.7km az=36.9

JMA 06 23:29:40.0.0.2.36'70N:141.35E,h47km,3km, M4.1 NEIC 06 23:28:41.4.1.36'67N:141.61E,h47km,12km,mb4.9/10, MW4.1(NIED), Error ellipse: s-maj=18.4km s-min=11.8km az=139.0

NEIC Recorded [2 JMA] in Fukushima and [1 JMA] in Ibaraki, Miyagi and Tochigi. IDC 06 23:28:41.8.2.5.36'67N:141.53E,h53km,20km,mb3.5/16, mb1 3.7/18,mb1mx3.6/28,mbtrp3.6/18,ML.3.9/2,MS3.4/9, MS1 3.4/9,ms1mx3.2/37, Error ellipse: s-maj=18.8km s-min=13.3km az=129.0

ISC 06 23:28:38.51.1.36'72N:0.04:141.53E:0.04,h20km,10km, mb2.0/18,0.65,mb4.2/25,MS3.4/6,1C-5D,Near east coast of eastern Honshu

Table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, ISC. Lists various stations and their technical specifications.







Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

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ISCJB 07:00:53.00.0.0, 1.91S, 0.06:127.73E, 0.09, h1km, 10km, mb3.5/2, Error ellipse: s-maj=15.8km s-min=8.5km az=160.6

DJA 07:00:53.30, 1.90S, 127.76E, h2km, ML3.5/4, IDC 07:00:53.32.9.5.2, 2.13S, 128.16E, h75km, 50km, mb3.3/2, mb1 3.5/3, mb1mx3.1/17, mbtmp3.2/3, ML3.6/1, Error ellipse: s-maj=129.4km s-min=13.7km az=69.0

ISC 07:00:53.30.5.0.8, 1.92S, 0.06:127.74E, 0.09, h85km, 10km, n8, 0.09N/12, mb3.5/2, Halmahera

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include LBMI Labuha, NLAI Namlea, MASAI Masohi, etc.

IDC 07:01:13.48.3.2.9, 33.18S, 177.68W, h0km, mb3.6/2, mb1 3/3, mb1mx3.7/14, mbtmp3.6/3, ML3.9/1, Error ellipse: s-maj=74.6km s-min=35.5km az=125.0

ISC 07:01:13.48.4.4, 33.35S, 0.1:177.6W, 0.3, h4km, 38km, n16, 0.109/12, mb3.5/2, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include CNGZ Carnagh Statio, MWZ Matawai, URZ Urewera, etc.

ISCJB 07:01:18.58.9.1.0, 33.69N, 0.05:141.2E, 0.1, h75km, 10km, mb3.4/2, Error ellipse: s-maj=14.4km s-min=8.5km az=3.4

JMA 07:01:18.58.4.0.2, 33.69N, 141.27E, h75km, 4km, M3.2, IDC 07:01:18.58.4.2.7, 33.16N, 136.50E, h0km, mb3.3/2, mb1 3.5/3, mb1mx3.2/25, mbtmp3.2/3, ML3.1/1, Error ellipse: s-maj=175.4km s-min=25.4km az=107.0

ISC 07:01:18.59.7.1.2, 33.67N, 0.06:141.2E, 0.1, h60km, 13km, n14, 0.069/21, mb3.3/2, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include BSO1 Boso 1, BSO2 Boso 2, BSO3 Boso 3, etc.

ISCJB 07:02:00:49.2.4.5, 6S, 0.3:105.4W, 0.3, h10km, mb4.2/29, MS3.6/17, Error ellipse: s-maj=65.8km s-min=19.8km az=136.5

IDC 07:02:00:49.5.7.6, 5.41S, 104.92W, h0km, mb3.8/5, mb1 4.2/5, mb1mx4.0/11, mbtmp3.8/5, MS3.6/17, Ms1 3.7/17, ms1mx3.6/28, Error ellipse: s-maj=224.9km s-min=109.4km az=117.0

BUI 07:02:00:51.4.5, 50S, 105.30W, h10km, mb4.7/1, Ms5.1/2, Ms7.4/2

NEIC 07:02:00:51.4.1.6, 5.49S, 105.32W, h10km, mb4.4/24, Error ellipse: s-maj=45.1km s-min=13.9km az=47.1

ISC 07:02:00:51.6.7, 5.53S, 0.3:105.3W, 0.3, h10km, n52, 0.068/36, mb4.2/29, MS3.6/17, Central East Pacific Rise

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include CMJG Matias Romero, ATAH Atahualpa, NNA Nana, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include SMC0 Snowmass, SRU San Rafael, PPT Papeete, etc.

CSEM 07:02:06:09.0.0.5, 51.49N, 16.04E, h2km, ML3.1/4, Error ellipse: s-maj=6.7km s-min=7.3km az=66.0

PRU 07:02:06:09.0.0.5, 51.42N, 16.1E, h0km

WAR 07:02:06:10.3, 51.48N, 16.11E, ML2.2, Mining Induced, Poland

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include KSP Ksiaz, KSP Ksiaz, KSP Ksiaz, etc.

ISCJB 07:02:12:09.0.0.4, 6.77N, 0.04:72.91W, 0.04, h174km, 4km, mb4.0/34, Error ellipse: s-maj=7.6km s-min=5.3km az=139.0

IDC 07:02:12:09.2.1.5, 6.75N, 72.79W, h157km, 14km, mb3.6/8, mb1 4.0/10, mb1mx3.6/22, mbtmp3.7/10, MS2.7/1, Ms1 2.7/1, ms1mx2.2/34, Error ellipse: s-maj=21.1km s-min=16.1km az=99.0

FUNV 07:02:12:09.2, 6.75N, 73.16W, h166km, MW4.1

NEIC 07:02:12:09.7.0.5, 6.71N, 72.90W, h170km, 4km, mb4.0/29, Error ellipse: s-maj=7.1km s-min=5.3km az=101.0

WVRY BUI 07:02:12:10.0, 6.70N, 73.00W, h168km, mb4.7/2

ISC 07:02:12:10.1, 6.70N, 73.00W, 0.04, h167km, 4km, n93, 0.086/98, mb0.3/4, 9C-1D, Northern Columbia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include CAPV Capacho, ROPV El Rosal, ROSC El Rosal, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include SIQV Siquisique, BAUV El Baul, MAPV Macapo, etc.











Table with columns: Call Sign, Station Name, Frequency, Power, and other technical details. Includes stations like MORC Moravsky Berou, DPC Dobruska-Polom, etc.

IDC 07 03:08:56.19.9.3, 307.075x179.21W, h285km, 105km, mb2.6/2, mb1 3.0/3, mb1mx2.9/1.5, mbtmp3.2/8.3, Error ellipse: s-maj=95.9km s-min=43.0km az=2.0, Kermadec Islands region

ISCJB 07 03:34:37.3.1.2.23.01S:0.05:66.8W:0.2, h183km, 11km, mb3.6/11, Error ellipse: s-maj=31.8km s-min=8.6km az=176.8

IDC 07 03:34:38.2.3.2.22.95S:66.60W, h181km, 22km, mb3.3/5, mb1 3.0/7, mb1mx3.5/1.5, mbtmp3.3/7, Error ellipse: s-maj=27.3km s-min=18.0km az=76.0

NEIC 07 03:34:39.1.1.1.2.27.97S:66.66W, h185km, 10km, mb3.7/7, Error ellipse: s-maj=21.3km s-min=9.4km az=84.0

ISC 07 03:34:38.7.1.3.22.93S:0.07:66.6W:0.2, h179km, 11km, n31, r0.97/27, mb3.6/11, Jujuy Province

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like LPAZ La Paz, CFAA Coronel Fontan, etc.

SOMN Songoing Array 154.53 11 PKPab PKPab 03 54 33.8 +0.6

SOMN Songoing Array 154.53 11 PKPab PKPab 03 54 33.8 +0.6

IDC 07 03:40:03.6.1.7.6.02S:130.40E, h0km, mb3.8/2, mb1 3.8/5, mb1mx3.6/1.5, mbtmp3.6/5, ML3.6/3, Error ellipse: s-maj=79.6km s-min=24.4km az=72.0, Banda Sea

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

IDC 07 03:56:45.9.3.1.21.24S:170.90E, h0km, mb3.9/3, mb1 4.3/3, mb1mx3.8/1.4, mbtmp3.9/3, MS3.2/2, Ms1 3.2/2, ms1mx2.9/2.4, Error ellipse: s-maj=194.3km s-min=30.2km az=159.0

NOU 07 03:56:47.6.0.4.20.02S:170.96E, h30km, MD2.9, ML2.3, ISCBJ 07 03:56:49.6.4.1, 19.9S:0.4:170.4E:0.4, h19km, 33km, mb4.0/3, Error ellipse: s-maj=90.2km s-min=12.6km az=142.9

ISC 07 03:59:49.9.4.0.20.0S:0.4:170.5E:0.4, h12km, 27km, n9, r0.86/9, mb4.0/3, Vanuatu Islands

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like BAYA Yate Dam, URZ Urewera, etc.

ISCJB 07 04:18:29.6.0.7.38.42N:0.04:39.34E:0.05, h8km, 5km, Error ellipse: s-maj=7.5km s-min=6.2km az=27.6

CSEM 07 04:18:29.4.0.3.38.42N:39.31E, h10km, MD2.6, Error ellipse: s-maj=7.3km s-min=5.7km az=19.0

DDA 07 04:18:29.3.8.40N:39.31E, h7km, 4km, MD2.6, ISK 07 04:18:29.4.3.38.42N:39.31E, h5km, MD2.4

ISC 07 04:18:29.9.0.9.38.41N:0.04:39.32E:0.05, h9km, 8km, n12, r0.65/22, Turkey

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like SVRC Svirice-ELAZID, WRA Warramunga Arr, etc.

IDC 07 04:26:27.6.2.1.8.36S:129.69E, h0km, mb3.4/1, mb1 3.6/4, mb1mx3.4/1.6, mbtmp3.4/4, ML3.4/3, Error ellipse: s-maj=77.7km s-min=28.9km az=77.0, Timor Sea

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

IDC 07 04:27:48.5.7.4.31.75S:178.98E, h518km, 99km, mb2.8/3, mb1 3.0/4, mb1mx2.9/1.6, mbtmp2.9/4, Error ellipse: s-maj=122.4km s-min=40.0km az=5.0, Kermadec Islands region

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like URZ Urewera, WRA Warramunga Arr, etc.

IDC 07 05:27:39.2.0.8.8.34S:129.10E, h0km, mb4.0/7, mb1 4.2/8, mb1mx3.4/1.5, mbtmp4.1/8, ML4.1/1, MS3.5/5, Ms1 3.5/5, ms1mx3.3/2.2, Error ellipse: s-maj=45.3km s-min=19.2km az=68.0

ISCJB 07 05:27:42.5.2.2.8.71S:0.06:129.37E:0.07, h57km, 22km, mb4.2/11, MS3.7/2, Error ellipse: s-maj=12.1km s-min=10.2km az=11.6

NEIC 07 05:27:42.5.0.4.8.58S:129.35E, h35km, mb4.2/4, Error ellipse: s-maj=16.1km s-min=6.2km az=73.0

ISC 07 05:27:45.1.2.0.8.74S:0.08:129.39E:0.07, h67km, 22km, n41, r0.92/46, mb4.2/11, Timor Sea

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

Table with columns: Call Sign, Station Name, Frequency, Power, and other technical details. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

NEIC 07 05:41:49.6.0.8.2.82S:139.25E, h35km, mb3.9/2, Error ellipse: s-maj=25.1km s-min=10.9km az=82.0

ISCJB 07 05:41:53.8.0.9.2.92S:0.05:139.6E:0.1, h110km, 7km, mb3.8/8, Error ellipse: s-maj=17.7km s-min=8.4km az=174.3

DJA 07 05:41:54.5.2.82S:139.65E, h14km, ML4.5/3, IDC 07 05:42:01.1.3.4.3.00S:139.29E, h160km, 32km, mb3.5/7, mb1 3.7/9, mb1mx3.6/1.4, mbtmp3.5/9, Error ellipse: s-maj=25.0km s-min=10.6km az=100.0

ISC 07 05:41:57.1.1.0.3.04S:106.06E:0.1, h124km, 7km, n30, r1.26/37, mb3.8/6, Irian Jaya

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like WAMI Wamena, SMPI Sarmi, etc.

ISCJB 07 05:52:50.9.1.1.17.7S:0.3:178.6W:0.2, h55km, 13km, mb3.6/7, Error ellipse: s-maj=56.1km s-min=17.4km az=147.6

IDC 07 05:52:50.6.2.3.17.41S:178.89W, h508km, 33km, mb3.1/5,







7d 6h

Table with columns for call sign, frequency, power, and other technical details. Includes stations like HWUT, NIE, NIEC, NIEG, etc.

2008 DEC

Table with columns for call sign, frequency, power, and other technical details. Includes stations like GSC, GSC, Goldstone, etc.

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Table with columns for call sign, frequency, power, and other technical details. Includes stations like BMW, Boistfort Moun, Boistfort Moun, etc.







Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other technical details. Includes stations like Kiev, AKASG, HAWA, MOD, ARCES, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other technical details. Includes stations like WRA, FITZ, WARRAMUNGA ARR, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other technical details. Includes stations like YUK, YUZH-KURIL'SK, etc.

2008 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KRSR Korea Array, KSAR Wonju Array, CLNS Chu'ul man, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KURK Kurchatov, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JTS JuntasAbangare, NNA Nana, TXAR Lajitas Array, etc.

mb1 4.4/8, mb1mx4.2/13, mbtmp4.0/8, MS4.4/22,  
 Ms1 4.4/22, ms1mx4.4/25, Error ellipse: s-maj=40.0km  
 s-min=24.8km az=62.0  
 BUJ 07 08:53:18.3, s: 15.05s; 106.20W, h10km, mb5.2/4, Ms5.1/7,  
 Ms7 4.8/7  
 ISCJB 07 08:53:20.6, 0.6, 4.61S; 0.07x106.23W; 0.08, h10km,  
 mb4.4/9, MS4.4/26, Error ellipse: s-maj=12.4km  
 s-min=9.6km az=140.5  
 NEIC 07 08:53:21.8, 0.7, 4.67S; 106.29W, h10km, mb4.6/39, Error  
 ellipse: s-maj=18.0km s-min=8.1km az=48.0  
 GCMT 07 08:53:26.3, 0.2, 4.46S; 106.11W, h13km, MW5.1,  
 Moment Tensor Solution, s=1.033; s90, c154; Moment  
 tensor: Scale 10<sup>19</sup>Nm; Mrr=0.64; 13; Mtt=2.47; 12;  
 Mxy=1.83; 14; Mxz=1.81; 13; Mxz=1.3; Mxy=3.35;  
 Best double couple: M6: 10000/1016 NP1=102.000000,  
 s76.000000, .16.000000. NP2=10.000000, .885.000000,  
 .166.000000. Principal axes: T 6.6200, Plg14.00000,  
 Azm325.00000; N -1.0100, Plg75.00000, Azm169.00000;  
 P -5.6100, Plg6.00000, Azm57.00000; Data Used: II IU IC  
 G CN.

ISC 07 08:53:22.3, 0.5, 4.64S; 0.07x106.26W; 0.08, h10km, n102,  
 c095978, mb4.4/9, MS4.4/26, Central East Pacific Rise

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	ISC	h m s	ISC
RPN	Rapa Nui	22.56	187	LR	09 04 34.4				
CMIG	Matias Romero	24.34	27	LR	09 05 58.7				
JTS	Juntas Abangare	25.89	59	P	08 58 56.3 +1.7				
JTS	Juntas Abangare	25.89	59	LR	09 06 20.1				
JTS	Juntas Abangare	25.89	55	P	08 58 56.3 +1.7				
TGUH	Teguicigalpa, Un	26.45	45	P	08 58 58.9 -0.8				
ATAH	Atahualpa	27.82	96	LR	09 07 22.5				
OTAV	Otaivalo	28.20	81	P	08 59 15.1 -0.4				
NNA	Nana	29.19	106	LR	09 08 09.8				
NNA	Nana	29.19	106	P	09 05 23.0 -8.3				
TEIG	Teipich	30.38	35	LR	09 09 50.0				
TEIG	Teipich	30.38	35	P	08 59 33.3 -1.4				
ROSC	El Rosal	33.26	74	LR	09 10 43.0				
RSC	Rikitea	33.28	23	LR	09 08 39.4				
TXAR	Lajitas Array	33.87	4	P	09 00 05.4 +0.2				
TXAR	Lajitas Array	33.87	4	LR	09 11 21.1				
TXAR	Lajitas Array	33.87	4	P	09 00 05.4 +0.2				
TXAR	Lajitas Array	33.90	261	LR	09 08 57.4				
MNTX	Cornudas Mount	36.14	1	P	09 00 23.7 -1.1				
SDV	Santo Domingo	37.97	69	P	09 00 40.1 -0.5				
BNM	Barren Site	38.58	360	P	09 00 45.4 -0.0				
LENM	Lemitar	38.60	359	P	09 00 45.8 +0.2				
LAZ	Ladron	38.84	359	P	09 00 48.3 +0.7				
LPAZ	La Paz	39.16	110	LR	09 14 33.2				
LPAZ	La Paz	39.16	110	P	09 00 52.5 +1.9				
PFO	Phylog Flat Ob	39.24	346	P	09 00 51.4 +0.3				
ANMO	Albuquerque	39.38	360	P	09 00 51.4 -0.7				
ANMO	Albuquerque	39.38	360	LR	09 14 36.8				
ANMO	Albuquerque	39.38	360	P	09 00 51.8 -0.3				
WUAZ	Wupatki	40.23	354	P	09 00 59.5 +0.3				
LDFC	Landfair	40.37	349	P	09 01 01.5 +1.1				
GSC	Goldstone	40.95	347	P	09 01 05.4 +0.2				
MVCO	Mesa Verde	41.68	357	P	09 01 10.4 -0.8				
ISA	Isabella	41.70	345	P	09 01 11.9 +0.6				
SDCO	Grand Sand Dun	42.17	1	P	09 01 16.8 +1.7				
CCUT	Cedar City	42.49	352	P	09 01 18.2 +0.5				
PV01	Paradox Valley	42.61	357	P	09 01 18.1 -0.6				
ARUT	Antelope Range	42.73	352	P	09 01 20.8 +1.1				
MSU	Marysville	43.28	353	P	09 01 24.5 +0.4				
MTUM	Tungsten Hills	43.32	346	P	09 01 25.5 +1.0				
SMCO	Snowmass	43.60	359	P	09 01 26.8 +0.1				
SRU	San Rafael	43.71	355	P	09 01 27.8 +0.2				
ISCO	Idaho Springs	44.22	1	P	09 01 33.5 +1.8				
NVAR	Minna Array Bea	44.28	346	P	09 01 31.9 -0.3				
NVAR	Minna Array Bea	44.28	346	LR	09 15 51.9				
NVAR	Minna Array Bea	44.28	346	P	09 01 31.9 -0.3				
PPT	Papeete	44.28	250	S	09 08 06.1 -0.7				
CMB	Columbia Colle	44.44	344	P	09 01 33.4 -0.1				
CFAA	Coronel Fontan	44.61	132	P	09 01 34.5 -0.5				
CFAA	Coronel Fontan	44.61	132	P	09 01 34.5 +0.9				
DUG	Dugway	45.02	353	P	09 01 39.0 +0.9				
JAU	Jordanella	45.06	355	P	09 01 39.4 +1.0				
DLU	Daniel's Canyon	45.27	354	P	09 01 41.3 +1.2				
TKL	Tuckaleechee C	45.26	26	LR	09 21 05.8				
WCN	Washoe City	45.46	343	P	09 01 42.7 +1.1				
TBI	Tubuai	45.62	242	S	09 08 27.6 +1.5				
TBI	Tubuai	45.62	242	eLQ	09 12 33.5				
TBI	Tubuai	45.62	242	eLR	09 14 30.9				
HW07	Hardware Ranch	46.28	354	P	09 01 48.2 +0.2				
BWUT	Boulder Array	47.27	357	P	09 01 55.2 -0.6				
PDAR	Pinedale Array	47.27	357	P	09 01 55.0 -0.8				
PDAR	Pinedale Array	47.27	357	LR	09 19 12.2				
PDAR	Pinedale Array	47.27	357	P	09 01 55.0 -0.8				
PD01	Pinedale Array	47.29	357	P	09 01 54.9 -1.0				
PD02	Pinedale Array	47.29	357	P	09 01 54.9 -1.0				
REWD	Red Top Meadow	47.35	355	P	09 02 00.0 +0.5				
RR12	Red Ridge	47.35	355	P	09 02 06.2 +4.9				
MOD	Modoc	48.05	346	P	09 02 02.6 +0.8				
PLCA	Paso Flores	48.14	143	P	09 02 02.9 +0.3				
PLCA	Paso Flores	48.14	143	LR	09 17 11.8				
PLCA	Paso Flores	48.14	143	P	09 02 02.9 +0.3				
PLCA	Paso Flores	48.14	143	P	09 02 00.7 -2.2				
LOHW	Long Hollow	48.19	356	P	09 02 02.2 -0.6				
MOOW	Moose Flats	48.33	356	P	09 02 03.8 -0.2				
IMW	Indian Meadow	48.49	355	P	09 02 05.1 -0.1				

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	ISC	h m s	ISC
MFID	Camas Ranch	48.60	351	eP	09 02 06.3 +0.2				
FLWY	Flagg Ranch	48.66	356	eP	09 02 06.5 0.0				
QLMT	Earthquake Lak	49.49	355	eP	09 02 15.1 +2.5				
CLM2	McKenzie Canyo	49.56	354	eP	09 02 13.6 0.0				
HRY	Holter Researc	51.36	355	eP	09 02 26.6 -0.4				
SWMT	Swartz Lake	52.37	353	eP	09 02 38.9 +4.3				
ODSSA	Odessa Site #2	52.96	349	eP	09 02 38.9 +0.1				
SADO	Sadaw	54.86	23	LR	09 26 12.1				
ULM	Lac du Bonnet	55.40	48	LR	09 24 54.4				
BBB	Bella Bella	59.58	345	LR	09 25 50.9				
DLBC	Dease Lake	65.70	347	P	09 04 06.8 0.0				
DLBC	Dease Lake	65.70	347	LR	09 30 21.5				
DLBC	Dease Lake	65.70	347	P	09 04 06.8 0.0				
YKA	Yellowknife Ar	67.25	356	P	09 04 14.3 -2.3				
YKA	Yellowknife Ar	67.25	356	LR	09 31 20.3				
YKA	Yellowknife Ar	67.25	356	P	09 04 14.3 -2.3				
SCH0	Schefferville	67.67	23	LR	09 36 44.8				
BMRR	Bremner Rive	71.87	341	P	09 04 45.0 -0.2				
KDAA	Kodiak Island	72.49	336	P	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	LR	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	P	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	LR	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	P	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	LR	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	P	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	LR	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	P	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	LR	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	P	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	LR	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	P	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	LR	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	P	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	LR	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	P	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	LR	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	P	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	LR	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	P	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	LR	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	P	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	LR	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	P	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	LR	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	P	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	LR	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	P	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	LR	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	P	09 04 47.9 -1.1				
KDAA	Kodiak Island	72.49	336	LR	09				

7d 9h

2008 DEC

VLX		eSB	Sb	09 55 40.7 -0.4	OUR	Kendranopolis	3.80 40 P	Pn	09 55 59.9 +0.6	0.3nm,0.3s,baz=32,slow=16,SNR=7.3	KEST	Kesra	9.37 263 Pn	Pn	09 57 19.6 +3.8
VLX	Vlachokerasia	1.27 94 P	Pb	09 55 23.9 -0.6	OUR	Ouranopolis	3.80 40 P	Pn	09 55 59.9 +0.6		KISS	Visnje	9.45 334 ePn	Pn	09 57 16.7 -0.1
VLX	Vlachokerasia	1.27 94 P	Pb	09 55 23.9 -0.6	APE	Apairanthos	3.80 94 ePn	Pn	09 56 02.0 +2.6		VISS	Visnje	9.45 334 eSb	Sn	09 58 58.2 -5.1
VLX	Vlachokerasia	1.27 94 ePb	Pb	09 55 24.6 0.0	APE	Apairanthos	3.80 94 ePn	Pn	09 56 01.6 +2.2		PJOR	Plostina	9.46 266 ePn	Pn	09 57 16.7 -0.1
VLX	Vlachokerasia	1.27 94 eSb	Pb	09 55 40.7 -0.4	APE	Apairanthos	3.80 94 ePn	Pn	09 56 02.0 +2.6		PJOR	Plostina	9.46 266 ePn	Pn	09 57 19.3 +2.3
VFX	Efpalio	1.31 42 ePn	Pb	09 55 41.0 -0.1	APE	Apairanthos	3.80 94 ePn	Pn	09 56 02.0 +2.6		VRI	Vrincioia	9.50 26 ePn	Pn	09 57 19.3 +1.8
EFP	Efpalio	1.31 42 ePn	Pb	09 55 40.5 -1.7	THR6	Thira Island,	3.85 105 P	Pn	09 56 09.9 +0.8		VRI	Vrincioia	9.50 26 ePn	Pn	09 57 19.3 +1.8
EFP	Efpalio	1.31 42 ePn	Pb	09 55 23.5 -1.6	THR6	Thira Island,	3.85 105 P	Pn	09 56 09.9 +0.8		VRI	Vrincioia	9.50 26 ePn	Pn	09 57 19.3 +1.8
WOP			Pb	09 55 23.5 -1.6	SHH	Sokhos	3.90 30 ePn	Pn	09 56 02.3 +1.5		VOY	Vojsko	9.99 331 ePn	Pn	09 57 24.0 -0.3
EFP			Pb	09 55 40.7 -0.4	SOH	Sokhos	3.90 30 P	Pn	09 56 01.8 +1.0		VOY			Pn	09 57 35.2 -0.8
EFP			Pb	09 55 42.1 -0.1	SOH	Sokhos	3.90 30 P	Pn	09 56 01.8 +1.0		VOY			Pn	09 59 10.8 -5.8
GUR	Goura	1.32 68 ePn	Pg	09 55 24.3 -1.4	SOH	Sokhos	3.90 30 ePn	Pn	09 56 02.3 +1.5		VOY	Vojsko	9.99 331 ePn	Pn	09 57 24.0 -0.3
GUR	Goura	1.32 68 eSb	Pb	09 55 42.2 -0.4	KRUS	Krusevo	3.92 5 ePn	Pn	09 56 01.6 +0.6		SOY	Sothob	10.15 337 ePn	Pn	09 57 25.2 -1.3
GUR	Goura	1.32 68 P	Pn	09 55 23.8 -1.4	KRUS	Krusevo	3.92 5 ePn	Pn	09 56 01.6 +0.6		SOKA	Sothob	10.15 337 ePn	Pn	09 59 22.8 -7.8
GUR	Goura	1.32 68 ePn	Pb	09 55 23.8 -1.4	TIR	Tirane	3.95 350 ePn	Pn	09 56 02.1 +0.7		SOKA	Sothob	10.15 337 ePn	Pn	09 57 25.2 -1.3
GUR	Goura	1.32 68 eSb	Pb	09 55 42.2 -0.4	TIR	Tirane	3.95 350 ePn	Pn	09 56 02.1 +0.7		OBKA	SNR=21		Pn	09 59 15.3 -7.5
KALE	Kalitheia	1.41 48 P	Pn	09 55 25.2 -1.4	TIR	Tirane	3.95 350 ePn	Pn	09 56 02.4 +1.0		OBKA	SNR=21	10.16 335 ePn	Pn	09 57 25.7 -0.9
KALE	Kalitheia	1.41 48 P	Pn	09 55 40.5 -0.3	TIR	Tirane	3.95 350 ePn	Pn	09 56 02.4 +1.0		OBKA	SNR=21	10.16 335 ePn	Pn	09 57 25.7 -0.9
DYR	Agios Nikonas	1.42 119 P	Pn	09 55 27.1 +0.5	KNT	Kendrikon	4.04 23 P	Pn	09 56 03.9 +1.2		BR131	Obkir Array S 0.9nm,0.6s	10.31 73 ePn	Pn	09 57 32.1 +3.4
EVY	Evrytania	1.66 29 ePn	Pg	09 55 30.2 -2.0	VAY	Valandovo	4.09 19 ePn	Pn	09 56 03.9 +1.2		BR131	Obkir Array S 0.9nm,0.6s	10.31 73 ePn	Pn	09 57 32.1 +3.4
EVY	Evrytania	1.66 29 eSb	Pb	09 55 52.4 0.0	VAY	Valandovo	4.09 19 ePn	Pn	09 56 03.7 +0.3		BR131	Obkir Array S 0.9nm,0.6s	10.31 73 ePn	Pn	09 57 32.1 +3.4
EVY	Evrytania	1.66 29 P	Pn	09 55 30.3 +0.4	VAY	Valandovo	4.09 19 ePn	Pn	09 56 03.7 +0.3		BRTR	Obkir Array B 0.2nm,0.3s,baz=25,slow=13,SNR=7.1	10.31 73 Pn	Pn	09 57 31.6 +2.9
EVY	Evrytania	1.66 29 P	Pn	09 55 52.4 0.0	TAR1	Taranto	4.09 319 ePn	Pn	09 56 03.4 +0.1		BRTR	Obkir Array B 0.2nm,0.3s,baz=25,slow=13,SNR=7.1	10.31 73 Pn	Pn	09 57 31.6 +2.9
EVY	Evrytania	1.66 29 P	Pn	09 55 30.3 +0.4	LIA	Limnos Island	4.21 53 ePn	Pn	09 56 06.7 +1.7		BRTR	Obkir Array B 0.2nm,0.3s,baz=25,slow=13,SNR=7.1	10.31 73 Pn	Pn	09 57 31.6 +2.9
EVY	Evrytania	1.66 29 P	Pn	09 55 30.3 +0.4	LIA	Limnos Island	4.21 53 ePn	Pn	09 56 06.7 +1.7		BRTR	Obkir Array B 0.2nm,0.3s,baz=25,slow=13,SNR=7.1	10.31 73 Pn	Pn	09 57 31.6 +2.9
DSF	Desfina	1.67 55 P	Pn	09 55 30.2 +0.2	LJA	Limos Island	4.21 53 P	Pn	09 56 05.6 +0.6		PSZ	Piszkesteto	10.47 357 ePn	Pn	09 57 30.6 -0.3
DSF	Desfina	1.67 55 P	Pn	09 55 51.8 +0.1	PE1	Pezze di Greco	4.25 323 ePn	Pn	09 56 05.9 +0.4		PSZ	Piszkesteto	10.47 357 ePn	Pn	09 57 30.6 -0.3
DSF	Desfina	1.67 55 P	Pn	09 55 30.2 +0.2	PE1	Pezze di Greco	4.25 323 ePn	Pn	09 56 05.9 +0.4		PSZ	Piszkesteto	10.47 357 ePn	Pn	09 57 30.6 -0.3
DSF	Desfina	1.67 55 P	Pn	09 55 51.8 +0.1	PE1	Pezze di Greco	4.25 323 ePn	Pn	09 56 05.9 +0.4		PSZ	Piszkesteto	10.47 357 ePn	Pn	09 57 30.6 -0.3
DSL	Palaion Diasel	1.69 8 P	Pn	09 55 46.7 +1.3	SRS	Serrai	4.25 30 P	Pn	09 56 01.1 +0.6		PSZ	Piszkesteto	10.47 357 ePn	Pn	09 57 30.6 -0.3
DSL	Palaion Diasel	1.69 8 P	Pn	09 55 53.6 +1.4	SRS	Serrai	4.25 30 P	Pn	09 56 01.1 +0.6		PSZ	Piszkesteto	10.47 357 ePn	Pn	09 57 30.6 -0.3
DSL	Palaion Diasel	1.69 8 P	Pn	09 55 30.2 -1.0	CHOS	Chios Island	4.26 76 ePn	Pn	09 56 07.5 +1.8		ARSA	Arzberg	10.55 340 ePn	Pn	09 57 29.5 -2.1
DSL	Palaion Diasel	1.69 8 P	Pn	09 55 30.2 -1.0	CHOS	Chios Island	4.26 76 P	Pn	09 56 06.5 +0.8		ARSA	Arzberg	10.55 340 ePn	Pn	09 57 29.5 -2.1
DSL	Palaion Diasel	1.69 8 P	Pn	09 55 53.6 +1.4	CHOS	Chios Island	4.26 76 P	Pn	09 56 06.5 +0.8		ARSA	Arzberg	10.55 340 ePn	Pn	09 57 29.5 -2.1
LTK	Loutraki	1.81 71 ePn	Pg	09 55 33.5 -1.7	KAVA	Kavala	4.56 38 P	Pn	09 56 09.8 0.0		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
LTK	Loutraki	1.81 71 eSb	Pb	09 55 56.2 -2.5	KAVA	Kavala	4.56 38 P	Pn	09 56 09.8 0.0		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
LTK	Loutraki	1.81 71 P	Pn	09 55 33.5 -1.7	KAVA	Kavala	4.56 38 P	Pn	09 56 09.8 0.0		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
LTK	Loutraki	1.81 71 P	Pn	09 55 33.2 +1.2	PUK	Puka	4.63 352 ePn	Pn	09 56 13.3 +2.4		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
LTK	Loutraki	1.81 71 ePn	Pg	09 55 33.5 -1.7	CUC	Castrocuoco	4.64 305 ePn	Pn	09 56 13.3 +2.4		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
LTK	Loutraki	1.81 71 eSb	Pb	09 55 56.2 -2.5	CUC	Castrocuoco	4.64 305 ePn	Pn	09 56 13.3 +2.4		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
LTK	Loutraki	1.81 71 ePn	Pg	09 55 56.2 -2.5	CUC	Castrocuoco	4.64 305 ePn	Pn	09 56 13.3 +2.4		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
LTK	Loutraki	1.81 71 eSb	Pb	09 55 56.2 -2.5	CUC	Castrocuoco	4.64 305 ePn	Pn	09 56 13.3 +2.4		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 ePn	Pn	09 55 35.2 +1.4	ULC	Ulcinj	4.65 346 ePn	Pn	09 56 10.9 -0.2		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 P	Pn	09 55 34.2 +1.4	ULC	Ulcinj	4.65 346 ePn	Pn	09 56 10.9 -0.2		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 P	Pn	09 55 34.2 +1.4	ULC	Ulcinj	4.65 346 ePn	Pn	09 56 10.9 -0.2		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 ePn	Pn	09 55 34.2 +1.4	ULC	Ulcinj	4.65 346 ePn	Pn	09 56 10.9 -0.2		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 eSb	Pb	09 55 35.5 -0.7	MMB	Musomiste	4.71 28 ePn	Pn	09 56 12.5 +0.7		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 ePn	Pn	09 55 35.5 -0.7	MMB	Musomiste	4.71 28 ePn	Pn	09 56 12.5 +0.7		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 eSb	Pb	09 55 35.5 -0.7	MMB	Musomiste	4.71 28 ePn	Pn	09 56 12.5 +0.7		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 ePn	Pn	09 55 35.5 -0.7	MMB	Musomiste	4.71 28 ePn	Pn	09 56 12.5 +0.7		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 eSb	Pb	09 55 35.5 -0.7	MMB	Musomiste	4.71 28 ePn	Pn	09 56 12.5 +0.7		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 ePn	Pn	09 55 35.5 -0.7	MMB	Musomiste	4.71 28 ePn	Pn	09 56 12.5 +0.7		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 eSb	Pb	09 55 35.5 -0.7	MMB	Musomiste	4.71 28 ePn	Pn	09 56 12.5 +0.7		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 ePn	Pn	09 55 35.5 -0.7	MMB	Musomiste	4.71 28 ePn	Pn	09 56 12.5 +0.7		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 eSb	Pb	09 55 35.5 -0.7	MMB	Musomiste	4.71 28 ePn	Pn	09 56 12.5 +0.7		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 ePn	Pn	09 55 35.5 -0.7	MMB	Musomiste	4.71 28 ePn	Pn	09 56 12.5 +0.7		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 eSb	Pb	09 55 35.5 -0.7	MMB	Musomiste	4.71 28 ePn	Pn	09 56 12.5 +0.7		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 ePn	Pn	09 55 35.5 -0.7	MMB	Musomiste	4.71 28 ePn	Pn	09 56 12.5 +0.7		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 eSb	Pb	09 55 35.5 -0.7	MMB	Musomiste	4.71 28 ePn	Pn	09 56 12.5 +0.7		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 ePn	Pn	09 55 35.5 -0.7	MMB	Musomiste	4.71 28 ePn	Pn	09 56 12.5 +0.7		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 eSb	Pb	09 55 35.5 -0.7	MMB	Musomiste	4.71 28 ePn	Pn	09 56 12.5 +0.7		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 ePn	Pn	09 55 35.5 -0.7	MMB	Musomiste	4.71 28 ePn	Pn	09 56 12.5 +0.7		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 eSb	Pb	09 55 35.5 -0.7	MMB	Musomiste	4.71 28 ePn	Pn	09 56 12.5 +0.7		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 ePn	Pn	09 55 35.5 -0.7	MMB	Musomiste	4.71 28 ePn	Pn	09 56 12.5 +0.7		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 eSb	Pb	09 55 35.5 -0.7	MMB	Musomiste	4.71 28 ePn	Pn	09 56 12.5 +0.7		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 ePn	Pn	09 55 35.5 -0.7	MMB	Musomiste	4.71 28 ePn	Pn	09 56 12.5 +0.7		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 eSb	Pb	09 55 35.5 -0.7	MMB	Musomiste	4.71 28 ePn	Pn	09 56 12.5 +0.7		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 ePn	Pn	09 55 35.5 -0.7	MMB	Musomiste	4.71 28 ePn	Pn	09 56 12.5 +0.7		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 eSb	Pb	09 55 35.5 -0.7	MMB	Musomiste	4.71 28 ePn	Pn	09 56 12.5 +0.7		BURAR	Bucovina Array	10.66 16 ePn	Pn	09 57 35.2 +1.8
VLI	Vellai	1.87 113 ePn	Pn	09 55 35.5 -0.7	MMB	Musomiste	4.71 28 ePn	Pn	09 56 12.5 +0.7		BURAR	Bucovina Array</			









ISCJB 07 11:54:53.1,0.8,19:55S:177:67W,0:08, h557km,11km,mb4.3/26,Error ellipse: s-maj=13.1km s-min=8.0km az=32.6

IDC 07 11:54:55.0,1.3,19:16S:177:65W,h573km,16km,mb3.4/11,mb1 3.7/13,mb1mx3.8/20,mbtmp3.5/13,Error ellipse: s-maj=20.6km s-min=9.8km az=150.0

NEIC 07 11:54:55.7,0.8,19:53S:177:61W,h581km,10km,mb4.7/11,Error ellipse: s-maj=15.1km s-min=10.6km az=142.0

BUI 07 11:54:55.1,19:55S:177:25W,h601km,mb4.9/6,mb4.5/5

ISC 07 11:54:53.8,0.8,19:51S:0:06:177:62W,0:08,h552km,11km,h594km,3.7km,PKP-P,n72,e089/67,mb4.3/26,Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various stations like Nonsavu, Afiamalu, Ohinepanea, etc.

Table with columns: BRTR, Keskin Array B, 146.43 314, PKPbc, PKPbc, 12 13 31.9 -1.5. Lists other stations like Keskin Array B, CLL, etc.

DJA 07 12:01:40,10:49S:113:30E,h118km,MLV3.7/13,South of Jawa

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like JAGI, GMJI, Gumukmas, etc.

IDC 07 12:03:33.4,3.8,55:47N:35:08W,h0km,mb3.6/5,mb1 3.7/5,mb1mx3.4/29,mbtmp3.6/5,MS3.3/3,Ms1 3.3/3,ms1mx2.7/39,Error ellipse: s-maj=104.2km s-min=37.3km az=16.0,Hevjkans Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like DAVOX, VRAC, INK, etc.

IDC 07 12:06:36.2,1.5,16:28S:176:13W,h396km,33km,mb3.8/4,mb1 4.0/5,mb1mx3.3/18,mbtmp3.9/5,Fiji Islands region

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

IDC 07 12:11:56.1,1.4,10:45S:123:62E,h0km,mb3.8/2,mb1 3.6/5,mb1mx3.4/16,mbtmp3.5/5,ML3.3/2,Error ellipse: s-maj=114.1km s-min=24.8km az=62.0,Timor region

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

IDC 07 12:18:38.5,3.4,35:50S:179:07W,h0km,mb3.7/2,mb1 4.0/3,mb1mx3.8/13,mbtmp3.7/3,ML3.8/1,MS4.4/1,Ms1 4.4/1,ms1mx3.1/24,Error ellipse: s-maj=86.2km s-min=37.2km az=131.0

ISC 07 12:18:41.6,1.3,36:01S:0:08:178:41W,0:09,h65km,16km,n31,e199/42,mb3.5/2,East of North Island

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

Table with columns: KHZ, Kahutara, 8.94 222, SN, Sn, 12 22 20.5 -6.3. Lists stations like DSZ, LTZ, etc.

ISCJB 07 12:20:53.8,0.5,4:00'06N:0:02'-21:33'E,0:03,h2km,5km,Error ellipse: s-maj=4.0km s-min=3.2km az=153.8

ATH 07 12:20:54.5,4:00'27N:21:83'E,h5km,1km,MD3.1/7,THE 07 12:20:54.3,4:00'52N:21:83'E,h2km,2km,ML2.7/7,Error ellipse: s-maj=2.4km s-min=3.0km az=286.0

CSEM 07 12:20:54.3,0.2,4:00'7N:21:82'E,h15km,MD3.1,Error ellipse: s-maj=4.8km s-min=3.8km az=64.0

ISC 07 12:20:54.6,0.4,4:00'06N:0:02'-21:31'E,0:03,h10km,4km,n39,e091/69,1C,Greece

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

IDC 07 12:40:42.2,0.8,10:5S:129:48E,h0km,mb3.3/1,mb1 3.2/4,mb1mx3.1/16,mbtmp3.0/4,ML2.8/3,Error ellipse: s-maj=77.0km s-min=28.0km az=76.0,Timor Sea

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

IDC 07 12:43:18.0,1.6,8:33S:129:57E,h0km,mb3.6/2,mb1 3.9/6,mb1mx3.5/16,mbtmp3.4/5,ML3.1/2,Error ellipse: s-maj=69.2km s-min=24.6km az=70.0,Timor Sea

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

IDC 07 12:46:32.9,2.0,10:61S:161:78E,h0km,mb3.7/5,mb1 3.9/6,mb1mx3.7/18,mbtmp3.7/6,Error ellipse: s-maj=49.1km s-min=28.9km az=134.0,Bougainville - Solomon Islands region

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

ISC 07 12:47:31.2;3.9, 56.86S;25.29W, h0km, mb3.0/2,  
 mb1 4.2/2, mb1mx3.7/12, mbtmp3.1/4, Error ellipse:  
 s-maj=132.8km s-min=49.8km az=171.0, South  
 Sandwich Islands region

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
VNA1	Neumayer-Stat	15.65 159	Op	12 51 06.9	-5.9
VNA3	Neumayer Olymp	15.88 161	eP	12 51 08.6	-7.1
VNA2	Neumayer-Watz	16.05 159	eP	12 51 11.5	-6.4
LPAZ	La Paz	51.70 304	P	12 56 40.6	+0.7
TORD	Torodi Ar. Bea	73.27 27	P	12 59 04.2	+0.1
ILAR	Eielson Array	151.44 310	PKPbc	13 07 25.2	-0.1

ISC 07 13:18:38.1;2.0, 8.42S;129.66E, h0km, mb3.2/1,  
 mb1 3.3/4, mb1mx3.2/16, mbtmp3.1/4, ML3.1/2, Error  
 ellipse: s-maj=80.4km s-min=28.1km az=77.0, Timor  
 Sea

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
FITZ	Fitzroy Crossi	10.38 202	Op	13 21 07.7	-0.7
FITZ	Warramunga Arr	12.31 159	P	13 21 36.5	+1.6
ASAR	Alice Springs	15.69 165	Pn	13 22 19.5	-1.2
MKAR	Makanchi Array	69.75 327	P	13 29 47.0	+0.2
STKA	Stephens Creek	17.61 33	Op	13 23 15.8	-0.2
ASAR	Alice Springs	23.74	P	13 24 23.3	+0.1
WRA	Warramunga Arr	27.47	P	13 24 57.0	0.0

ISC 07 13:26:57.2;1.6, 8.38S;129.58E, h0km, mb3.6/2,  
 mb1 3.7/5, mb1mx3.5/17, mbtmp3.6/5, ML3.3/3, Error  
 ellipse: s-maj=66.3km s-min=25.7km az=77.0, Timor  
 Sea

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
FITZ	Fitzroy Crossi	10.39 201	Op	13 23 26.2	-1.4
FITZ	Warramunga Arr	12.38 159	Pn	13 29 55.3	+0.4
ASAR	Alice Springs	15.74 166	Pn	13 30 41.9	+1.3
MKAR	Makanchi Array	69.15 327	P	13 38 06.0	+0.6
KURK	Kurchatov	73.47 329	P	13 38 31.1	-0.4
FITZ	Fitzroy Crossi	10.53 202	Op	13 31 38.5	-1.9
FITZ	Warramunga Arr	12.35 160	Pn	13 32 06.8	+1.6
ASAR	Alice Springs	15.83 166	Pn	13 32 51.5	+0.3
MKAR	Makanchi Array	69.23 327	P	13 40 17.0	+0.3
KURK	Kurchatov	73.55 329	P	13 40 42.7	-0.1

ISC 07 13:31:47.0;2.7, 0.592S;105.02W, h0km, mb3.2/3,  
 mb1 3.6/3, mb1mx3.5/11, mbtmp3.2/3, Error ellipse:  
 s-maj=94.0km s-min=119.3km az=120.0, Central East  
 Pacific Rise

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
TXAR	Lajitas Array	35.07 2	P	13 38 42.0	+0.1
PDAR	Pinedale Array	48.63 356	P	13 40 33.0	+0.4
ILAR	Eielson Array	77.00 343	P	13 43 41.4	0.0

BGS 07 13:35:56.4;2.3, 2.24;52N;58.19E, h10km, mb5.5, MS5.0,  
 mb5.6(NEIC)  
 BUJ 07 13:36:14.3;27.05N;55.16E, h10km, mb5.5/38, mb5.4/68,  
 MS5.4/65, MS7.5.1/56  
 ISC 07 13:36:18.7;0.4, 26.91N;55.92E, h0km, mb5.2/32,  
 mb1 5.3/7, mb1mx3.2/42, mbtmp3.2/3, ML4.6/3, MS4.9/29,  
 MS1.4/9,29, ms1mx3.7/42, Error ellipse: s-maj=12.5km  
 s-min=8.3km az=14.1  
 TEH 07 13:36:19.1;26.88N;55.91E, h11km  
 ISCJB 07 13:36:19.3;0.1, 26.88N;0.02;55.90E;0.01;1, h13km,  
 mb5.5/338, MS5.1/232, Error ellipse: s-maj=2.3km  
 s-min=1.6km az=14.1  
 CSEM 07 13:36:20.9;0.1, 26.93N;55.92E, h11km, mb5.5/99, MS5.1,  
 MW5.4, Error ellipse: s-maj=4.0km s-min=2.8km az=6.0  
 THR 07 13:36:20.8;0.7, 26.96N;55.77E, h11km, mb5.6,  
 ML5.2  
 NEIC 07 13:36:21.3;26.99N;55.80E, h15km, mb5.7/134,  
 MS5.2/150, MW5.4, ML5.2(THR), Moment Tensor Solution:  
 550 Moment tensor: Scale 10<sup>17</sup>Nm; M<sub>11</sub>=0.0; M<sub>22</sub>=0.0;  
 M<sub>33</sub>=0.0; M<sub>12</sub>=0.0; M<sub>13</sub>=0.0; M<sub>23</sub>=0.0; Best double couple:  
 M<sub>11</sub>=5.00000e+17; M<sub>22</sub>=3.5600000e+17; M<sub>33</sub>=1.0000000e+18;  
 M<sub>12</sub>=0.00000e+17; M<sub>13</sub>=2.2300000e+17; M<sub>23</sub>=8.7600000e+17;  
 N -0.20000; P 1.59000; Azm390.00000; Azm150.00000;  
 Plg30.00000; Azm301.00000; After THR.  
 NEIC Five people injured and buildings damaged on Jazireh-ye  
 Qeshm, Felt at Dubai, United Arab Emirates.  
 MOS 07 13:36:22.0;0.9, 26.94N;55.85E, h33km, mb5.8/119,  
 MS4.9/68, Error ellipse: s-maj=5.2km s-min=-3.0km  
 az=120.9  
 GCMT 07 13:36:23.1;0.1, 26.92N;55.74E, h12km, MW5.4, Moment  
 Tensor Solution. s69,c121; s27,c27; Moment tensor:  
 Scale 10<sup>17</sup>Nm; M<sub>11</sub>=1.29t; s27; M<sub>12</sub>=-0.90t; s27; M<sub>13</sub>=0.39t; s27;  
 M<sub>22</sub>=-0.05t; s27; M<sub>23</sub>=0.95t; s27; M<sub>33</sub>=-0.44t; s27; Best double  
 couple: M<sub>11</sub>=5.00000e+17; M<sub>22</sub>=3.5600000e+17; M<sub>33</sub>=1.0000000e+18;  
 M<sub>12</sub>=0.00000e+17; M<sub>13</sub>=2.2300000e+17; M<sub>23</sub>=8.7600000e+17;  
 Principal axes: T 1.42000, Plg73.00000; Azm71.00000; N  
 0.24000, Plg16.00000, Azm230.00000; P -1.66000,  
 Plg6.00000, Azm322.00000; Data Used: IU II G CN IC.  
 Surface waves: s1=90, c1=90, c2=192, c3=50.  
 OMAN 07 13:36:24.2;0.0, 26.80N;56.13E, h10km, Error ellipse:  
 s-maj=868.0km s-min=31.6km az=8.0  
 DJA 07 13:36:28.27;1.0N;55.88E, h58km, mb5.5/25  
 SZGRF 07 13:36:33.4, 26.71N;53.73E, h33km, mb5.5, MS4.8,

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
BNDS	Bandar-Abbas	0.54 26	eP	13 36 31.0	-1.0
BNDS	Bandar-Abbas	0.54 26	eP	13 36 32.0	0.0
BNDS	Bandar-Abbas	0.54 26	eP	13 36 45.7	
BNDS	Bandar-Abbas	0.54 26	eP	13 36 31.2	-0.8
IBND	Bandar-Abbas	0.78 47	eP	13 36 35.3	-1.3
IBND	Bandar-Abbas	0.78 47	eP	13 36 37.5	+0.8
IBND	Bandar-Abbas	0.78 47	eP	13 37 11.9	
IBND	Bandar-Abbas	0.78 47	eP	13 36 35.3	-1.3
IBND	Bandar-Abbas	0.78 47	eP	13 36 37.5	+0.8
IBND	Bandar-Abbas	0.78 47	eP	13 37 11.9	
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IBND	Bandar-Abbas	0.78 47	eP	13 36 35.3	-1.3
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IBND	Bandar-Abbas	0.78 47	eP	13 36 35.3	-1.3
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IBND	Bandar-Abbas	0.78 47	eP	13 36 37.5	+0.8
IBND	Bandar-Abbas	0.78 47	eP	13 37 11.9	
IBND	Bandar-Abbas	0.78 47	eP	13 36 35.3	-1.3
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IBND	Bandar-Abbas	0.78 47	eP	13 36 35.3	-1.3
IBND	Bandar-Abbas	0.78 47	eP	13 36 37.5	+0.8
IBND	Bandar-Abbas	0.78 47	eP	13 37 11.9	
IBND	Bandar-Abbas	0.78 47	eP</		

7d 13h

Table with columns for station name, frequency, power, and other technical details. Includes stations like DBAD, BHK, POO, RACHA, etc.

2008 DEC

Table with columns for station name, frequency, power, and other technical details. Includes stations like MAMC, SOC, SZAC, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like ANN, KIZIT, AKTO, etc.





Table with columns: Station, Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KMBO, KMBK, KMBL, etc.

Table with columns: Station, Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like IZAR, LIKS, LIKS, etc.

Table with columns: Station, Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like DPC, DPC, DPC, etc.















Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMIG, JTS, ATAH, OTAV, NNA, ROSC, RKT, TXAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ILAR, ILLAR, COLD, GQSA, DZM, HNR, PETK, SONM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like s-maj=60.6km, NEIC 07 14:31:24.7, CSEM 07 14:31:25.9, etc.

7d 15h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Lists various stations like KAPPI, SPSI, GTOI, etc.

NEIC 07 14:58:34.9, 1.4, 7.17S: 118.96E, h492km, 13km, mb3.5/1, Error ellipse: s-maj=71.3km s-min=14.0km az=59.0

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

IDC 07 15:11:39.4, 8.4, 11.14S: 162.70E, h60km, 60km, mb3.3/3, mb1.3, 6.4, mb1mx3.3/17, mbtmp3.6/4, ML4.5, 1, MS3.9/1, Ms1.3, 9/1, ms1mx2.9/29, Error ellipse: s-maj=61.9km s-min=35.1km az=94.0, Bougainville - Solomon Islands region

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

ISC/JB 07 15:16:22.0, 9.1, 19.07S: 0.06, 177.68W, 0.08, h375km, 12km, mb4.0/19, Error ellipse: s-maj=12.7km s-min=8.7km az=33.9

IDC 07 15:16:23.6, 2.0, 19.16S: 177.62W, h379km, 21km, mb3.6/1, mb1.3, 9/1, ms1mx3.3/17, mbtmp3.6/13, Error ellipse: s-maj=21.9km s-min=11.7km az=142.0

NEIC 07 15:16:25.1, 1.1, 19.36S: 177.44W, h405km, 10km, mb3.8/3, Error ellipse: s-maj=21.7km s-min=11.0km az=147.0

ISC 07 15:16:25.2, 1.2, 19.18S: 0.07, 177.54W, 0.08, h401km, 13km, n66, c1909/57, mb4.0/19, Fiji Islands region

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

2008 DEC

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Lists stations like AFI, AFI, AFI, etc.

SZGRF 07 15:30:30.1, 50.52N: 153.47E, h33km, mb5.5, Kuril Islands, Russia

KRSC 07 15:31:20.2, 0.0, 50.91N: 152.64E, h496km, 16km, ML5.4, DJA 07 15:31:20.1, 51.62N: 152.13E, h428km, mb5.1/1

SKHL 07 15:31:22.2, 0.0, 51.129N: 152.15E, h476km, 20km, mb6.3/1, ms1b, 6

ISC/JB 07 15:31:23.0, 0.2, 51.48N: 0.02, 151.80E: 0.03, h447km, 2km, mb4.8/334, Error ellipse: s-maj=4.1km s-min=2.5km az=154.0

BUII 07 15:31:22.9, 0.1, 51.37N: 151.86E, h456km, mb4.9/30, mb4.7/50

MOS 07 15:31:22.9, 0.8, 51.48N: 151.82E, h447km, mb5.1/101, Error ellipse: s-maj=6.5km s-min=3.9km az=96.7

NEIC 07 15:31:23.8, 0.1, 51.48N: 151.76E, mb4.8/202, Error ellipse: s-maj=3.3km s-min=2.0km az=161.0

BGS 07 15:31:23.2, 1.5, 51.56N: 152.49E, h443km, mb4.8, IDC 07 15:31:24.0, 4.0, 51.49N: 151.79E, h451km, 4km, mb4.5/40, mb1.4, 5/4, mb1mx4.5/44, mbtmp4.4/44, Error ellipse: s-maj=1.0km s-min=5.6km az=143.0

ISC 07 15:31:23.9, 0.2, 51.49N: 0.02, 151.75E: 0.03, h442km, 2km, h446km, 2km, pp-P, n922, c081/939, mb4.8/334, 37C-213D, Sea of Okhotsk

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

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









7d 15h

Table with columns: Call sign, Name, Frequency, Power, and other technical details. Includes stations like BAIF Baives, ARQ Araqi, BSYO Bisya, etc.

2008 DEC

Table with columns: Call sign, Name, Frequency, Power, and other technical details. Includes stations like FLN La Foliniere, PVY Plav, LDF La Druitiere, etc.

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Table with columns: Call sign, Name, Frequency, Power, and other technical details. Includes stations like VIVF comp=2.79nm, SWET Sewanee, SAOQ L'Aution, etc.

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like NEIC 07 15:39:01.7, etc.

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

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

NEIC 07 15:39:01.7, 33.87N, 119.32W, h12km, ML3.5(PAS), After PAS, Southern California

ISC/JB 07 15:43:08.9, 1.1, 1.48N, 122.24E, h10km, mb3.5/5, mb1 3.6/6, mb1mx3.5/20, mbtrmp3.5/6, ML3.2/1, Error ellipse: s-maj=19.8km az=69.0

NEIC 07 15:43:09.6, 0.7, 1.38N, 122.14E, h10km, mb3.7/1, Error ellipse: s-maj=25.5km s-min=9.8km az=64.0

ISC/JB 07 15:43:11.7, 0.6, 1.37N, 121.86E, 0.06, h33km, mb3.5/6, Error ellipse: s-maj=9.7km s-min=7.0km az=149.3

DJA 07 15:43:11.1, 1.36N, 122.04E, h10km, MLv4.3/4, ISC 07 15:43:13.8, 0.6, 1.31N, 0.06, 121.91E, 0.07, h35km, n22, r1525/26, mb3.5/6, Minahasa Peninsula, Sulawesi

ISC/JB 07 15:43:09.6, 0.7, 1.38N, 122.14E, h10km, mb3.7/1, Error ellipse: s-maj=25.5km s-min=9.8km az=64.0

ISC/JB 07 15:43:11.7, 0.6, 1.37N, 121.86E, 0.06, h33km, mb3.5/6, Error ellipse: s-maj=9.7km s-min=7.0km az=149.3

DJA 07 15:43:11.1, 1.36N, 122.04E, h10km, MLv4.3/4, ISC 07 15:43:13.8, 0.6, 1.31N, 0.06, 121.91E, 0.07, h35km, n22, r1525/26, mb3.5/6, Minahasa Peninsula, Sulawesi

ISC/JB 07 15:49:59.0, 3.0, 30.59S, 0.03, 177.71W, 0.07, h57km, mb5.0/57, MS4.4/24, Error ellipse: s-maj=8.8km s-min=3.2km az=18.7

MOS 07 15:49:55.0, 2.7, 29.92S, 177.85W, h33km, mb5.3/21, Error ellipse: s-maj=11.2km s-min=9.6km az=99.4

NEIC 07 15:49:56.9, 1.0, 30.03S, 177.76W, h50km, mb5.1/25, MS4.9/1, Error ellipse: s-maj=9.2km s-min=5.9km az=136.0

BUJ 07 15:49:57.0, 30.14S, 177.93W, h59km, mb5.5/18, mb5.1/21, MS4.4/13, MS7.4/9/14

GCMT 07 15:49:58.7, 0.4, 29.94S, 177.49W, h52km, 1km, MW5.0, Moment Tensor Solution, s40, c48; s50, c67; Moment tensor: Scale 10^19Nm; Mrr4.4, 23; Mss-0.13; 17; Mss-0.33; 15; Mss-0.25; 13; Mss-1.11; 12; Mrr1.35; 12; Best double couple: M4.700000, 1016 NP1, 195.000000, 537.000000, 192.000000, NP2, 193.000000, 553.000000, 189.000000; Principal axes: T 4.6500, PlgB2.0000, Azm277.0000, N 0.0, Azmo, Plg1.0000, Azm14.0000; P -4.8100, Plg8.0000, N 0.0, Azmo, Plg4.0000; Data Used: IC IG IJ, CI

ISC 07 15:50:01.4, 5.0, 30.02S, 177.81W, h85km, 41km, mb4.5/17, mb1 4.7/18, mb1mx4.6/18, mbmp4.5/18, MS4.3/19, Ms1.4/3/19, ms1mx4.2/26 Error ellipse: s-maj=16.8km s-min=15.0km az=79.0

DJA 07 15:50:31.3, 0.04S, 178.60W, h362km, mb4.9/7, ISC 07 15:49:57.0, 3.0, 30.54S, 0.03, 177.70W, 0.07, h59km, h59km, 4.5km, pp-P, n466, r151/201, mb5.0/57, MS4.4/24,

ISC/JB 07 15:49:59.0, 3.0, 30.59S, 0.03, 177.71W, 0.07, h57km, mb5.0/57, MS4.4/24, Error ellipse: s-maj=8.8km s-min=3.2km az=18.7

MOS 07 15:49:55.0, 2.7, 29.92S, 177.85W, h33km, mb5.3/21, Error ellipse: s-maj=11.2km s-min=9.6km az=99.4

NEIC 07 15:49:56.9, 1.0, 30.03S, 177.76W, h50km, mb5.1/25, MS4.9/1, Error ellipse: s-maj=9.2km s-min=5.9km az=136.0

BUJ 07 15:49:57.0, 30.14S, 177.93W, h59km, mb5.5/18, mb5.1/21, MS4.4/13, MS7.4/9/14

GCMT 07 15:49:58.7, 0.4, 29.94S, 177.49W, h52km, 1km, MW5.0, Moment Tensor Solution, s40, c48; s50, c67; Moment tensor: Scale 10^19Nm; Mrr4.4, 23; Mss-0.13; 17; Mss-0.33; 15; Mss-0.25; 13; Mss-1.11; 12; Mrr1.35; 12; Best double couple: M4.700000, 1016 NP1, 195.000000, 537.000000, 192.000000, NP2, 193.000000, 553.000000, 189.000000; Principal axes: T 4.6500, PlgB2.0000, Azm277.0000, N 0.0, Azmo, Plg1.0000, Azm14.0000; P -4.8100, Plg8.0000, N 0.0, Azmo, Plg4.0000; Data Used: IC IG IJ, CI

ISC 07 15:50:01.4, 5.0, 30.02S, 177.81W, h85km, 41km, mb4.5/17, mb1 4.7/18, mb1mx4.6/18, mbmp4.5/18, MS4.3/19, Ms1.4/3/19, ms1mx4.2/26 Error ellipse: s-maj=16.8km s-min=15.0km az=79.0

DJA 07 15:50:31.3, 0.04S, 178.60W, h362km, mb4.9/7, ISC 07 15:49:57.0, 3.0, 30.54S, 0.03, 177.70W, 0.07, h59km, h59km, 4.5km, pp-P, n466, r151/201, mb5.0/57, MS4.4/24,

ISC/JB 07 15:49:59.0, 3.0, 30.59S, 0.03, 177.71W, 0.07, h57km, mb5.0/57, MS4.4/24, Error ellipse: s-maj=8.8km s-min=3.2km az=18.7

MOS 07 15:49:55.0, 2.7, 29.92S, 177.85W, h33km, mb5.3/21, Error ellipse: s-maj=11.2km s-min=9.6km az=99.4

NEIC 07 15:49:56.9, 1.0, 30.03S, 177.76W, h50km, mb5.1/25, MS4.9/1, Error ellipse: s-maj=9.2km s-min=5.9km az=136.0

BUJ 07 15:49:57.0, 30.14S, 177.93W, h59km, mb5.5/18, mb5.1/21, MS4.4/13, MS7.4/9/14

ISC/JB 07 15:49:59.0, 3.0, 30.59S, 0.03, 177.71W, 0.07, h57km, mb5.0/57, MS4.4/24, Error ellipse: s-maj=8.8km s-min=3.2km az=18.7

MOS 07 15:49:55.0, 2.7, 29.92S, 177.85W, h33km, mb5.3/21, Error ellipse: s-maj=11.2km s-min=9.6km az=99.4

NEIC 07 15:49:56.9, 1.0, 30.03S, 177.76W, h50km, mb5.1/25, MS4.9/1, Error ellipse: s-maj=9.2km s-min=5.9km az=136.0

BUJ 07 15:49:57.0, 30.14S, 177.93W, h59km, mb5.5/18, mb5.1/21, MS4.4/13, MS7.4/9/14

ISC/JB 07 15:49:59.0, 3.0, 30.59S, 0.03, 177.71W, 0.07, h57km, mb5.0/57, MS4.4/24, Error ellipse: s-maj=8.8km s-min=3.2km az=18.7

MOS 07 15:49:55.0, 2.7, 29.92S, 177.85W, h33km, mb5.3/21, Error ellipse: s-maj=11.2km s-min=9.6km az=99.4

NEIC 07 15:49:56.9, 1.0, 30.03S, 177.76W, h50km, mb5.1/25, MS4.9/1, Error ellipse: s-maj=9.2km s-min=5.9km az=136.0

BUJ 07 15:49:57.0, 30.14S, 177.93W, h59km, mb5.5/18, mb5.1/21, MS4.4/13, MS7.4/9/14

7d 15h

Table with columns: Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other technical details. Includes stations like HBR Khabarovsk, CN2 Changchun, KDAK Kodiak Island, etc.

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Table with columns: Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other technical details. Includes stations like BOSA Boshof, KURK Kurchatov, KZAZ Kyzart, etc.

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Table with columns: Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other technical details. Includes stations like HFS Hagfors, AKASO Malin Array Be, BRTR Keskin Array B, etc.



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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like Vardanashen, Shabestar, Diyyadin, etc.

ISC/JB 07:16:26:33.9:0.0,51:07N:0.07:157.9:E:0.1, h72km, 10km, mb3.5/4, Error ellipse: s-maj=17.2km s-min=5.2km az=42.5

KRSC 07:16:26:33.8:0.5,51:17N:158.01E, h10km, 10km, ML4.4 M0S 07:16:26:34.1:0.7,51:11N:157.83E, h72km, mb4.1/1, Error ellipse: s-maj=26.1km s-min=9.0km az=66.4

NEIC 07:16:26:35.7:0.9,51:15N:157.79E, h72km, 12km, mb3.9/1, Error ellipse: s-maj=20.5km s-min=7.4km az=136.0

IDC 07:16:26:36.3:2.6,51:16N:157.86E, h76km, 23km, mb3.1/5, mb1.3/7.7, mb1mx3.3/26, mbtmp3.4/7, Error ellipse: s-maj=32.8km s-min=16.9km az=123.0

ISC 07:16:26:35.5:0.7,51:12N:0.07:157.8E:0.1, h67km, 9km, n47, c084/65, mb3.5/4, Near east coast of Kamchatka

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like Severo-Kuril's, Russkaya, Gorelyy, etc.

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

ISC 07:16:37:51.0:38.43N:39.25E, h5km, MD3.1 DDA 07:16:37:51.3:38.40N:39.28E, h7km, 4km, MD3.2

CSEM 07:16:37:51.6:0.2,38.42N:39.26E, h0km, 4km, MD3.1, Error ellipse: s-maj=6.1km s-min=4.5km az=157.0

ISC/JB 07:16:37:52.0:4.38:43N:0.03:179.9E:0.03, h10km, Error ellipse: s-maj=4.8km s-min=2.5km az=169.1

ISC 07:16:37:51.0:6.38:42N:0.03:179.9E:0.03, h1km, 6km, n31, c086/43, Turkey

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

Table with columns: ATAB, Bozova, ATAB, Bozova, etc. Includes station names and coordinates.

IDC 07:17:02:21.3:1.0,23:33S:115:16W, h0km, mb4.0/7, mb1.4/4.7, mb1mx4.3/14, mbtmp4.0/7, MS4.0/12

MS1 3.9/12, ms1mx3.8/30, Error ellipse: s-maj=40.5km s-min=22.1km az=46.0

ISC/JB 07:17:02:21.0:5.23:24S:0.07:114:72W:0.07, h10km, mb4.9/34, MS4.2/15, Error ellipse: s-maj=10.7km s-min=9.3km az=174.1

NEIC 07:17:02:22.9:0.4,23:42S:114:85W, h10km, mb4.8/29, Error ellipse: s-maj=16.5km s-min=9.7km az=72.0

BUI 07:17:02:25.2,23:40S:114:70W, h10km, mb5.1/6, MS5.2/6, MS7.4/9.6

ISC 07:17:02:24.9:6.6,23:33S:0.08:114:83W:0.10, h16km, 39km, n94, c084/54, mb4.6/34, MS4.2/15, Easter Island region

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





7d 19h

2008 DEC

NEIC 07 19:12:33.5+0.3, 43.717N-105.131W, h0km, ML3.4, Error ellipse: s-maj=3.9km s-min=3.3km az=130.0, Suspected Mining explosion.

NEIC 70 km [45 miles] SSE of Gillette, WY. ISC 07 19:12:33.5+0.3, 43.72N-103.005+12W, h0.05km, m6.6, m0.82/66, mb3.9/4, Wyoming

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

mb4.1/17, MS3.5/4, Error ellipse: s-maj=11.7km s-min=7.3km az=160.4

ICC 07 19:31:28.6+0.4, 5.66N-78.22W, h28km, 3km, mb3.9/13, mb1.4/217, mb1mx4.1/22, mbtmp4.0/17, ML4.1/2, MS3.5/7, Ms1.3/5.7, ms1mx3.3/23, Error ellipse: s-maj=20.2km s-min=12.7km az=57.0

NEIC 07 19:31:28.1+0.3, 5.63N-78.29W, h0km, Error ellipse: s-maj=10.0km s-min=7.1km az=75.0

ISC 07 19:31:28.6+0.4, 5.64N-10.05+78.30W, h0.07, h29km, h29km, 3km, m5.9, 0.94/47, mb4.1/17, MS3.5/4

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

CRPR Cabo Rojo, PR 1.65 2008/eP Pn 19 32 08.7 +2.5

CRPR eS Sn 19 32 28.2 -4.2

NEIC 07 19:33:21.4+0.1, 41.133N-175.13E, h8km, ML3.5(WEL), After WEL.

NEIC FEL [IV] at Silverstream and Upper Hutt, WEL 07 19:33:21.4+0.1, 41.133N-175.13E, h8km, ML3.5/33, 3C-10D, Error ellipse: s-maj=0.4km s-min=0.3km az=90.0, North Island

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

ISC/JCB 07 19:16:09.4+0.6, 10.82N-105.62+33W, h0.03, h96km, 7km, Error ellipse: s-maj=8.0km s-min=4.5km az=167.5

FUNV 07 19:16:11.1, 10.85N-62.22W, h85km, MWV2.9 TRN 07 19:16:13.2, 10.03N-62.22W, h67km, MD3.0

ISC 07 19:16:10.4+0.7, 10.83N-105.62+32W, h0.03, h89km, 7km, n18, 0.97/32, 2D, Near coast of Venezuela

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

ARCES ARCES Array B 89.55 20 P P 19 44 23.0 +0.1

KURK Kurchatov 120.45 17 PKP P 19 50 17.0 -0.3

MKAR Makanchi Array 125.03 16 PKP P 19 50 25.6 -0.7

SOMN Songo Array 126.60 35 PKP P 19 50 29.3 +0.1

SOMR Songo Array 126.60 35 PKP P 19 50 29.3 +0.1

ASAR Alice Springs 144.21 237 PKP P 19 50 60.0 -2.6

ASAR Alice Springs 144.21 237 PKP P 19 50 60.0 -2.6

WRA Warramunga Arr 145.24 243 PKP P 19 51 03.4 -0.7

WRA Warramunga Arr 145.24 243 PKP P 19 51 03.4 -0.7

CMAR Chiang Mai Arr 155.90 6 PKP P 19 51 20.9 -0.1

CMAR Chiang Mai Arr 155.90 6 PKP P 19 51 20.9 -0.1

NEIC 07 19:31:42.2, 19.47N-66.29W, h10km, MD3.1 (RSPR), After RSPR.

RSPR 07 19:31:42.2, 19.47N-66.29W, h10km, 27km, MD3.1/4, 6C-2D, Puerto Rico region

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

ISC 07 19:35:08.5+1.7, 2.38N-125.51E, h0km, mb3.6/4, mb1.3/8.4, mb1mx3.5/19, mbtmp3.6/4, Error ellipse: s-maj=117.0km s-min=22.2km az=68.0, Talaud Islands

FITZ Fitzroy Crossi 20.35 180 P P 19 39 47.9 +1.2

WAR Warramunga Arr 23.82 159 P P 19 40 23.3 -0.1

ASAR Alice Springs 27.15 163 P P 19 40 53.1 -0.5

MKAR Makanchi Array 57.98 326 P P 19 45 03.0 0.0

ISC/JCB 07 19:42:08.3+0.4, 23.75N-102.122+07E, h24km, 3km, Error ellipse: s-maj=3.7km s-min=2.4km az=44.5

TAP 07 19:42:08.3, 23.78N-122.01E, h22km, ML3.0, D JMA 07 19:42:10.1+0.3, 23.74N-122.17E, h24km

NEIC 07 19:42:10.5+4.6, 23.84N-121.85E, h14km, 16km, Error ellipse: s-maj=51.3km s-min=11.4km az=104.0

ISC 07 19:42:08.0+0.5, 23.75N-102.122+07E, h18km, 3km, n47, 0.98/91, 1C-4D, Taiwan region

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

ISC/JCB 07 19:31:26.4+0.4, 5.63N-10.06+78.38W, h0.08, h28km,



7d 21h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AKASG, BUR08, BRTR, etc.

ISCJB 07 20:47:32.51, 3.35, 4N, 0.2, 98.47E, 0.07, h10km, Error ellipse: s-maj=21.7km s-min=8.4km az=5.3

ISC 07 20:47:34.81, 3.35, 4N, 0.1, 98.37E, 0.08, h10km, n7, 1524.9, Qinghai

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

NIED 07 21:18:00, 23.90N, 122.20E, h29km, Mw5.2 Best double couple: M0.070000, 1016 NP1.9, 0.00000, 349.00000

ISCJB 07 21:18:36.3, 0.1, 23.85N, 0.01, 122.23E, 0.01, h46km, s-maj=1.4km az=143.1

NEIC 07 21:18:36.7, 23.84N, 122.17E, h12km, mb5.4/118, After TAP

JMA 07 21:18:36.8, 0.2, 23.85N, 122.17E, h65km, M5.5 JMA Felt J1

MOS 07 21:18:37.1, 0.9, 23.94N, 122.14E, h52km, mb5.5/80, MS4.7/23, Error ellipse: s-maj=7.5km s-min=4.0km az=119.8

TAP 07 21:18:37.2, 23.85N, 122.20E, h35km, ML5.9, B TEH 07 21:18:37.0, 23.88N, 122.11E, h35km

GCMT 07 21:18:38.0, 0.2, 23.81N, 122.18E, h38km, MW5.2 Moment Tensor Solution. s55, c76; s79, c123; Moment tensor: Scale 10^19Nm; Mr6.34, 22; Mw1.33, 14; Mw-7.67, 15; Mw-1.52, 14; Mw-1.48, 12; Mw2.63, 16; Best double couple: M0.780000, 1016 NP1.9, 0.00000, 339.00000

DJA 07 21:18:39, 23.84N, 122.23E, h50km, Mw5.3/45 SZGRF 07 21:18:49.3, 25.76N, 120.56E, h33km, mb5.2, Taiwan region

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

2008 DEC

Main table with columns: Code, Station Name, Time, Res. Includes stations like TWF1, TWT, YHNB, etc.

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Table with columns: Code, Station Name, Time, Res. Includes stations like TWP, HEN, TWK1, etc.



7d 21h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MK31, MKAR, MKAR, etc.

2008 DEC

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like FRU, AAK, AAK, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like IBAF, IGLA, ILAS, etc.



SPITS	Spitsbergen Ar	69.97 348	P	P	21 29 43.5	-0.6
SPITS	Spitsbergen Ar	69.97 348	P	P	21 29 43.5	-0.6
SPBA	Spitsbergen Ar	69.98 348	eP	P	21 29 44.5	+0.4
ANN	Anapa	69.98 311	eP	S	21 29 43.4	-1.3
ANN			eS	S	21 36 51.2	-0.3
ANN	comp=Z,78nm,1.2s,mb5.5		pmax	pmax		
ARCES	ARCCESS Array B	70.16 338	P	P	21 29 45.2	-0.1
ARCES	comp=Z,10nm,0.7s,mb4.8,baz=75,slow=7.0,SNR=22		LR	LR	22 05 41.7	
ARCES	comp=Z,244nm,18.2s,MS4.5,baz=295,slow=40		LR	LR		
ARCES	ARCCESS Array B	70.16 338	P	P	21 29 45.2	-0.1
ARCES	ARCCESS Array B	70.16 338	P	P	21 29 45.2	-0.1
DIV	Divide	70.36 31	eP	P	21 29 47.8	+1.1
TAU	Tasmania Unive	70.38 161	eP	P	21 29 48.3	+1.4
TAU	comp=Z,55nm,1.3s,mb5.3					
TAU	Tasmania Unive	70.38 161	eP	P	21 29 48.3	+1.4
TAU	comp=Z,212nm,1.2s,mb5.0		pmax	pmax		
DOT	Dot Lake	70.52 28	eP	P	21 29 48.0	+0.4
DOT	comp=Z,4.3nm,0.8s,mb4.4					
BMRM	Bremner River	70.95 31	eP	P	21 29 51.1	+0.8
BMRM	comp=Z,24nm,0.9s,mb5.2					
RAGM	Raggas Mountai	70.06 32	eP	P	21 29 52.6	+1.6
RAGM	comp=Z,50nm,1.1s,mb5.4					
EGAK	Eagle	71.44 27	eP	P	21 29 53.6	+0.4
KAF	Kangasniemi	71.87 331	eP	P	21 29 53.9	-1.9
KAF	comp=Z,9.0nm,0.7s,mb4.8		pmax	pmax		
KAF	Kangasniemi	71.87 331	eP	P	21 29 53.9	-1.9
KAF	comp=Z,8.6nm,0.7s,mb4.8					
FINES	FINES5 Array B	72.17 330	P	P	21 29 56.6	-1.0
FINES	comp=Z,22nm,0.8s,mb5.2,baz=64,slow=6.5,SNR=52		LR	LR	22 05 07.8	
FINES	comp=Z,786nm,18.8s,MS5.0,baz=260,slow=39					
FINES	FINES5 Array B	72.17 330	P	P	21 29 56.6	-1.0
FINES	FINES5 Array B	72.17 330	P	P	21 29 56.6	-1.0
SIM	Simferopol	72.22 312	eP	P	21 29 58.3	+0.1
SIM	comp=Z,29nm,0.8s,mb5.3		pmax	pmax		
SIM	comp=Z,200nm,17.1s,MS4.5		MLR	MLR		
DAWY	Dawson	72.39 27	eP	P	21 29 59.5	+0.6
INK	Inuvik	73.16 22	eP	P	21 30 03.0	-0.4
INK	comp=Z,20nm,0.9s,mb5.0					
INK	Inuvik	73.16 22	eP	P	21 30 03.0	-0.4
INK	comp=Z,20nm,0.9s		pmax	pmax		
AKASG	Malin Array Be	73.70 319	P	P	21 30 05.5	-1.4
AKASG	comp=Z,7.4nm,0.8s,mb4.7,baz=60,slow=5.6,SNR=23					
AKASG	Malin Array Be	73.70 319	P	P	21 30 05.5	-1.4
AKASG	Malin Array Be	73.70 319	P	P	21 30 05.5	-1.4
AKBB	Malin Array Si	73.70 319	eP	P	21 30 05.0	-1.9
AKBB	Malin Array Si	73.70 319	eP	P	21 30 05.0	-1.9
KIEV	Kiev	73.72 319	eP	P	21 30 06.1	-0.9
KIEV	comp=Z,56nm,1.6s,mb5.2					
KIEV	Kiev	73.72 319	eP	P	21 30 06.1	-0.9
KIEV	comp=Z,56nm,1.6s,mb5.2		pmax	pmax		
NACGM	Naroch	73.81 323	eP	P	21 30 04.0	-3.4
BR131	Keeskin Array S	74.09 307	eP	P	21 30 09.2	-0.2
BR131	comp=Z,26nm,0.8s,mb5.2					
BRTR	Keeskin Array B	74.09 307	eP	P	21 30 09.2	-0.1
BRTR	comp=Z,33nm,0.9s,mb5.2,baz=99,slow=5.3,SNR=144		LR	LR	22 08 47.9	
BRTR	comp=Z,102nm,20.3s,MS4.1,baz=173,slow=41					
BRTR	Keeskin Array B	74.09 307	eP	P	21 30 09.2	-0.1
BRTR	Keeskin Array B	74.09 307	eP	P	21 30 09.3	-0.1
AFI	Afiamaalu	74.64 113	LR	LR	22 00 24.6	
AFI	comp=Z,229nm,21.1s,MS4.4,baz=335,slow=34					
LEOM	Leova	75.67 315	eP	P	21 30 17.9	-0.5
LEOM	Leova	75.67 315	eP	P	21 30 17.9	-0.5
TLCR	TLCR	75.73 313	eP	P	21 30 18.7	0.0
TLCR	TLCR	75.73 313	eP	P	21 30 18.7	0.0
SKAG	Skagway	75.81 31	eP	P	21 30 19.3	+0.4
SKAG	comp=Z,39nm,0.9s,mb5.2					
CSS	Prodromos	75.84 302	eP	P	21 30 19.5	0.0
CSS	comp=Z,47nm,0.8s,mb5.5					
SUW	Suwalki	76.09 323	eP	P	21 30 19.8	-0.8
SUW	comp=Z,300nm,19.1s		LMZ	LMZ	22 06 59.4	
SUW	Suwalki	76.09 323	eP	P	21 30 19.7	-0.9
SUW	comp=Z,142nm,1.0s,mb5.8					
SUW	Suwalki	76.09 323	eP	P	21 30 19.7	-0.9
SUW	comp=Z,142nm,1.0s,mb5.8		pmax	pmax		
TIRR	Tirgusor	76.24 313	eP	P	21 30 21.8	+0.1
TIRR	Tirgusor	76.24 313	eP	P	21 30 21.8	+0.1
TESR	Mauritius Mete	76.69 315	eP	P	21 30 23.9	-0.3
MRIV	Danmarks Havn	76.70 314	eP	P	21 30 23.4	-0.9
DAG	Danmarks Havn	76.70 314	eP	P	21 30 23.4	-0.9
DAG	comp=Z,4.0nm,0.9s,mb4.3					
DAG	Danmarks Havn	76.70 314	eP	P	21 30 23.4	-0.9
DAG	comp=Z,4.8nm,0.9s,mb4.3					
VRI	Vriociaia	76.87 314	eP	P	21 30 25.3	+0.1
VRI	Vriociaia	76.87 314	eP	P	21 30 25.3	+0.1
GRER	Plostina	76.83 314	eP	P	21 30 27.0	+1.7
PLOR	Plostina	76.83 314	eP	P	21 30 26.2	+0.7
PLOR	Plostina	76.83 314	eP	P	21 30 26.1	+0.6
PVGR	Pogonale	77.04 313	eP	P	21 30 27.1	+1.3
LGV	L'vov	77.14 319	eP	P	21 30 25.8	-0.8
BUR08	Bucovina Ar. S	77.22 317	eP	P	21 30 26.0	-1.1
BUR08	Bucovina Array	77.22 316	eP	P	21 30 27.4	+0.3
BUR08	Bucovina Array	77.22 316	eP	P	21 30 27.4	+0.3
MLR	Muntele Rosu	77.52 314	eP	P	21 30 29.5	+0.7
MLR	Muntele Rosu	77.52 314	eP	P	21 30 29.5	+0.7
SULR	Muntele Rosu	77.52 314	eP	P	21 30 27.8	-1.6
DOPR	Dopca	77.71 315	eP	P	21 30 30.5	+0.6
KWP	Kalwaria Pacia	78.00 319	eP	P	21 30 31.5	+0.1
KWP	comp=Z,300nm,25.2s		LMZ	LMZ	22 05 22.8	
KWP	Kalwaria Pacia	78.00 319	eP	P	21 30 31.4	-0.1
KWP	comp=Z,159nm,1.5s,mb5.7					
KWP	Kalwaria Pacia	78.00 319	eP	P	21 30 31.5	0.0
KWP	comp=Z,300nm,25.2s,MS4.5		MLR	MLR		
KWP	Kalwaria Pacia	78.00 319	eP	P	21 30 31.4	-0.1
VOIR	VOIR	78.12 314	eP	P	21 30 31.6	-0.6
VOIR	VOIR	78.12 314	eP	P	21 30 31.5	-0.7
BEL	Belsk	78.26 322	eP	P	21 30 32.7	-0.1
BEL	comp=Z,300nm,24.5s		LMZ	LMZ	22 05 48.0	
BEL	Belsk	78.26 322	eP	P	21 30 32.7	-0.1
BEL	comp=Z,300nm,24.5s,MS4.5		MLR	MLR		
BMR	Baia Mare	78.27 317	eP	P	21 30 33.7	+0.7
BMR	Baia Mare	78.27 317	eP	P	21 30 33.7	+0.7
HFS	Hagfors	78.28 331	LR	LR	22 08 46.0	
HUMR	Hume	78.51 314	eP	P	21 30 33.9	-0.5
HUMR	Wrangell Island	78.52 33	eP	P	21 30 35.1	+1.0
HUMR	comp=Z,11m,18.3s,MS5.2,baz=64,slow=38					
CRAIG	Craig	78.54 34	eP	P	21 30 36.7	+2.4
CRAIG	comp=Z,67nm,1.4s,mb5.4					
KOLS	Kolonickie sedl	78.54 318	eP	P	21 30 34.1	-0.3
KOLS	comp=Z,6.0nm,1.0s,mb4.5					
KOLS	Kolonickie sedl	78.54 318	eP	P	21 30 34.1	-0.3
UZH	Uzhangor	78.64 318	eP	P	21 30 34.0	-1.0
UZH	comp=Z,4.8nm,1.0s,mb4.6		pP	pP	21 30 48.9	-0.1
DLBC	Dease Lake	78.74 31	eP	P	21 30 36.4	+1.1
NB2	NORSAR Subarra	78.92 332	P	P	21 30 34.9	-1.4
NOA	NORSAR Array B	78.92 332	P	P	21 30 34.9	-1.4
NOA	comp=Z,26nm,0.9s,mb5.2,baz=59,slow=5.6					
NOA	NORSAR Array B	78.92 332	P	P	21 30 34.9	-1.4
NOA	comp=Z,19nm,0.8s,mb5.0,baz=58,slow=5.5,SNR=41		LR	LR	22 09 19.0	
NOA	comp=Z,565nm,18.9s,MS4.9,baz=65,slow=39					
NOA	NORSAR Array B	78.92 332	P	P	21 30 34.9	-1.4
NOA	NORSAR Array B	78.92 332	P	P	21 30 34.9	-1.4
STHS	Stebnicka Huta	78.97 319	eP	P	21 30 36.5	-0.3
STHS	comp=Z,10.0nm,1.3s,mb4.6					
STHS	Stebnicka Huta	78.97 319	eP	P	21 30 36.5	-0.3
STHS	Cervenica-Dubn	79.04 319	eP	P	21 30 36.8	-0.4
CRVS	CRVS	79.04 319	eP	P	21 30 36.8	-0.4
CRVS	comp=Z,44nm,1.8s,mb5.1		pmax	pmax		
CRVS	Cervenica-Dubn	79.04 319	eP	P	21 30 36.8	-0.4
KRZD	Kurdzhali	79.30 311	iP	P	21 30 38.8	-0.8
JMIC	Jan Mayen	79.36 345	LR	LR	22 10 07.1	
JMIC	comp=Z,513nm,18.8s,MS4.7,baz=72,slow=39					
OJC	Ojcow	79.49 320	eP	P	21 30 39.4	-0.2
OJC	Ojcow	79.49 320	eP	P	21 30 39.5	-0.1
OJC	Niedzica	79.52 319	eP	P	21 30 40.1	+0.3
NIE	Niedzica	79.52 319	eP	P	21 30 40.1	+0.3
GZR	Gura Zlata	79.62 315	eP	P	21 30 40.3	-0.1
GZR	Gura Zlata	79.62 315	eP	P	21 30 40.3	-0.1
GKP	Gorka Kiasztor	79.63 324	eP	P	21 30 39.9	-0.4
GKP	comp=Z,500nm,17.9s		LMZ	LMZ	22 10 42.9	
GKP	Gorka Kiasztor	79.63 324	eP	P	21 30 39.9	-0.4
GKP	comp=Z,500nm,17.9s,MS4.9		MLR	MLR		
RZN	Rozhen	79.77 311	iP	P	21 30 40.7	-0.6
MPEP	Malo Peshtene	79.79 313	iP	P	21 30 41.9	+0.5
KECS	Keccovo	79.80 319	eP	P	21 30 41.4	+0.1
KECS	comp=Z,8.0nm,1.0s,mb4.6		pmax	pmax		
KECS	Keccovo	79.80 319	eP	P	21 30 41.4	+0.1
BZS	Buzias	80.28 316	eP	P	21 30 43.2	-0.8
BZS	Buzias	80.28 316	eP	P	21 30 43.2	-0.8
LIKKS	Likavka	80.39 319	eP	P	21 30 45.3	+0.8
LIKKS	Likavka	80.39 319	eP	P	21 30 45.3	+0.8
PSZ	Piszkesteto	80.40 318	eP	P	21 30 44.8	+0.2
PSZ	Piszkesteto	80.40 318	eP	P	21 30 44.9	+0.3
PSZ	Piszkesteto	80.40 318	eP	P	21 30 44.5	-0.1
PSZ	Piszkesteto	80.40 318	eP	P	21 30 44.8	+0.2
PSZ	Piszkesteto	80.40 318	eP	P	21 30 44.8	+0.2
VTS	Vitoshka	80.45 312	iP	P	21 30 44.9	-0.1
VTS	Vitoshka	80.45 312	iP	P	21 30 44.9	-0.1
URT	Utsera	80.45 139	LR	LR	22 03 16.3	
URT	comp=Z,150nm,18.6s,MS4.4,baz=125,slow=33					
RAC	Musomiste	80.49 311	iP	P	21 30 45.4	+0.4
MMB	Musomiste	80.49 311	iP	P	21 30 44.1	-1.1
FURI	Furi	80.55 276	eP	P	21 30 46.1	+0.1
FURI	comp=Z,16nm,0.8s,mb5.0					
OKC	Ostrava-Krasne	80.62 320	eP	P	21 30 45.5	-0.2
OKC	Ostrava-Krasne	80.62 320	eP	P	21 30 45.5	-0.2
OKC	Ostrava-Krasne	80.62 320	eP	P	21 30 45.5	-0.2
OKC	Ostrava-Krasne	80.62 320	eP	P	21 30 45.5	-0.2
KKB	Krupnik	80.82 312	iP	P	21 30 46.4	-0.6
APE	Apeiranthos	80.98 306	eP	P	21 30 46.0	-1.9
APE	Apeiranthos	80.98 306	eP	P	21 30 46.0	-1.9
MORC	Moravsky Berou	81.00 321	eP	P	21 30 47.5	-0.2
MORC	comp=Z,33nm,1.5s,mb5.0					
MORC	Moravsky Berou	81.00 321	eP	P	21	

7d 21h

Table with columns for station name, frequency, and signal strength. Includes stations like La Plagne, Pioggiola, Edson Butte, etc.

2008 DEC

Table with columns for station name, frequency, and signal strength. Includes stations like Modoc, Swartz Lake, Flin Flon, etc.

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Table with columns for station name, frequency, and signal strength. Includes stations like Sun Moon Lake, Yuchr, Lidau, etc.

ISCJ 07 21:35:43.2, 1.0, 19.41N, 66.25W, h0km, mb3.5/5, mb1 3.9/5, mb1mx3.7/20, mbtmp3.5/5, MS4.1/1, M1.4 1/1, ms1mx2.8/38, Error ellipse: s-maj=30.6km s-min=17.4km az=65.0

ISCRJ 07 21:35:45.4, 1.3, 19.46N, 0.03:66.37W, 0.04, h25km, 10km, mb3.6/5, Error ellipse: s-maj=6.3km s-min=5.5km az=141.3

RSPR 07 21:35:46.0, 19.58N, 66.41W, h49km, 18km, MD3.4/13 NEIC 07 21:35:46.0, 19.58N, 66.41W, h49km, MD3.4(RSPR), After RSPR.

ISC 07 21:35:45.3, 1.5, 19.40N, 0.03:66.36W, 0.04, h13km, 10km, n50, 0:85/66, mb3.6/5, 9C-4D, Puerto Rico region

Table with columns for Code, Station Name, Az, Phase ID, Time Res, and Res. Lists various stations and their associated data.

ISCJ 07 21:50:22.0, 2.0, 4.0, 40.88N, 0.03:142.05E, 0.05, h70km, 3km, mb3.8/11, Error ellipse: s-maj=7.5km s-min=4.6km az=31.1

JMA 07 21:50:22.0, 2.0, 4.0, 40.90N, 142.14E, h51km, 3km, M3.5 JMA Fell I JT: 07 21:50:22.0, 2.0, 8.0, 40.88N, 142.36E, h83km, mb4.0/4, Error ellipse: s-maj=15.4km s-min=9.5km az=83.8



7d 23h

Table with columns: Station Name, Time, Res, ISC, Phase ID, Time, Res, ISC, Phase ID. Includes stations like SMF Signal de Mont, HINP Hinterafield, AVF Avril sur Loir, etc.

2008 DEC

Table with columns: Station Name, Time, Res, ISC, Phase ID, Time, Res, ISC, Phase ID. Includes stations like LFF La Frestale, EPF Esparrros, ETSF Etsaut, etc.

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Table with columns: Station Name, Time, Res, ISC, Phase ID, Time, Res, ISC, Phase ID. Includes stations like SKR comp=Z,220nm,0.5s, KUR Kuril'sk, YUK Yuzh-Kuril'sk, etc.

Table of astronomical observations for 2008 DEC, starting with CLNS and ending with RAMN. Columns include object name, coordinates, magnitude, and other parameters.

Table of astronomical observations for 2008 DEC, starting with RAMN and ending with BAIF. Columns include object name, coordinates, magnitude, and other parameters.

Table of astronomical observations for 2008 DEC, starting with VTS and ending with PLCA. Columns include object name, coordinates, magnitude, and other parameters.

Additional notes and data for the observations, including object identifiers like IDC 0723:49:51.8-0.5 and various technical details.





Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like KKAR Karatay Array, SONMI Songoing Array, and various other regional stations.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like CTA Charters Tower, SVS Sverdlouvska, and various other regional stations.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like FINES, KAF Kangasniemi, and various other regional stations.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for various radio stations.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for various radio stations.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for various radio stations.







82d 1h

Table with columns: Call Sign, Name, Frequency, Power, Direction, and other details. Includes entries like T5 Ranch, RETA Reutte, V26A Teaguequite Ra, etc.

2008 DEC

Table with columns: Call Sign, Name, Frequency, Power, Direction, and other details. Includes entries like CEL Paso Flores, PLCA Paso Flores, PLCA Paso Flores, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Direction, and other details. Includes entries like baz=60 Collm, baz=60 Collm, baz=60 Collm, etc.



Table with columns: TREC, epP, pP, 02 01 18.9 +2.9, 02 22 50.0, SMOL, Smolenice, 61.74 42 ep, 61.76 319 pP, 02 01 21.1 +1.0, 02 01 20.4 +0.2, SRU, comp-Z, 62nm, 1.3s, mb5.6, pmax, pmax, G18A, Lazy EL Ranch, 62.86 314 pP, P, 02 01 27.5 -0.1, etc.

Table with columns: SMOL, Smolenice, 61.74 42 ep, 61.76 319 pP, 02 01 21.1 +1.0, 02 01 20.4 +0.2, SRU, comp-Z, 62nm, 1.3s, mb5.6, pmax, pmax, G18A, Lazy EL Ranch, 62.86 314 pP, P, 02 01 27.5 -0.1, etc.

Table with columns: SRU, comp-Z, 62nm, 1.3s, mb5.6, pmax, pmax, G18A, Lazy EL Ranch, 62.86 314 pP, P, 02 01 27.5 -0.1, Kendall Valley, 62.90 312 pP, P, 02 01 27.4 -0.5, etc.

8d 1h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like MSU Marysvalde, B17A L&G Farms, R15A Junction, etc.

2008 DEC

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like CHMT Chamberlain Mo, BMR Baia Mare, E14A Clinton, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like BMN comp=Z,48nm,1.3s,mb5.4, BMMN Battle Mountai, etc.





Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KORR Kora, LSNR Lesken, DGRG Digorskoje uzhe, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FINES FINESS Array B, GERES GERES Array B, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like RKT Rikitea, TAOE Nuku Hiva Isla, etc.

ISCJB 08:23:36.0, 8.23:36.0:1.115:3W.0.2, h10km, mb4.5/30, MS4.5/7, Error ellipse: s-maj=30.8km s-min=11.5km, az=156.3

IDC 08:23:37.2, 1.0.23:41x:115:11W, h10km, mb4.1/7, mb1 4.5/7, mb1mx4.2/14, mbtmp4.1/7, MS4.3/6, Ms1 4.3/6, ms1mx4.1/17, Error ellipse: s-maj=41.6km s-min=20.6km az=47.0

NEIC 08:23:39.4, 0.6, 23:48S:115:07W, h10km, mb4.8/23, Error ellipse: s-maj=26.9km s-min=13.7km az=70.0

GCMT 08:23:42.7, 0.3, 23:55S:115:09W, h13km, Mb, MW5.0, Moment Tensor Solution: s22, c24; s68, c99; Moment tensor: Scale 10^16Nm, M1=0.25, I4; M2=2.26, I3; M3=2.51, I6; M4=1.36, I7; M5=2.53, I2; Mw 1.1; 39; Best double couple: M3, 90000; M1, 66, 00000; s68, 00000; lambda=12, 00000; NP2, 160, 00000; 679, 00000; lambda=157, 00000; Principal axes: T 3.6700, Plg8, 0000; Azm291, 0000; N 4.300, Plg65, 0000; Azm185, 0000; P -4.1000, Plg24, 0000; Azm25, 0000; Data Used: II UCN G/C

ISJ 08:23:44.1, 23:40S:115:00W, h10km, Ms7 5.3/1

BUI 08:23:38.0, 0.8, 23:37S:01:115:3W.0, 2, h10km, n72, r15:40/77, mb4.5/30, MS4.5/7, Southern East Pacific Rise

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like RKT Rikitea, TAOE Nuku Hiva Isla, etc.







ODAN	Odare	56.66	274	eP	P	03 07 49.0	-0.2
SLMT	Seeley Lake	56.74	55	eP	P	03 07 49.4	+0.2
MSO	Missoula	56.75	55	eP	P	03 07 49.2	-0.3
MSO	Missoula	56.75	55	eP	P	03 07 50.4	+0.9
MSO	Wild Horse Val	56.82	62	eP	pP	03 08 03.1	+0.4
WVOR	Wild Horse Val	56.82	62	eP	pP	03 07 50.7	+0.7
WVOR	Wild Horse Val	56.82	62	eP	pP	03 07 50.7	+0.6
D14A	Greenough	56.83	55	eP	P	03 07 49.9	-0.2
E13A	Victor	56.85	56	eP	P	03 07 49.6	-0.7
C15A	Salmond Ranch	56.88	54	eP	P	03 07 50.6	+0.2
J1RN	Jiri	56.91	275	eP	P	03 07 50.9	-0.1
J1RN	Jiri	56.91	275	eP	P	03 07 50.9	-0.1
GUN	Gumba	56.95	276	eP	P	03 07 51.3	+0.1
GUN	Gumba	56.95	276	eP	P	03 07 51.3	+0.1
G12A	Big Creek, Yel	57.04	57	eP	P	03 07 51.2	-0.4
CHMT	Chamberlain Mo	57.07	55	eP	P	03 07 52.0	+0.2
RAMN	Ramite	57.12	274	eP	P	03 07 52.5	+0.1
RAMN	Ramite	57.12	274	eP	P	03 07 52.5	+0.1
F13A	Darby	57.18	56	eP	P	03 07 51.9	-0.6
E14A	Clinton	57.25	55	eP	P	03 07 52.9	-0.2
C16A	Fuhringer Ranc	57.32	53	eP	P	03 07 53.1	-0.5
D15A	Lincoln	57.38	54	eP	P	03 07 53.7	-0.3
PKI	Pulchoki	57.49	276	eP	P	03 07 55.1	+0.1
PKI	Pulchoki	57.49	276	eP	P	03 07 55.1	+0.1
PKI	Pulchoki	57.49	276	eP	pmax	03 07 55.1	+0.1
A18A	Metzger Ranch	57.52	51	eP	P	03 07 55.0	-0.7
DMN	Daman	57.66	276	eP	P	03 07 56.3	+0.1
DMN	Daman	57.66	276	eP	P	03 07 56.3	+0.1
H12A	Diamond D Ranc	57.66	58	eP	P	03 07 56.1	+0.1
G13A	Cobalt	57.67	57	eP	P	03 07 55.5	-0.5
F14A	Wisdom	57.69	56	eP	P	03 07 56.5	+0.3
FFC	Flin Flon	57.70	42	eP	P	03 07 55.0	-1.1
FFC	Flin Flon	57.70	42	eP	pmax	03 07 55.0	-1.1
GKN	Gorkha	57.70	277	eP	P	03 07 56.3	-0.2
GKN	Gorkha	57.70	277	eP	P	03 07 56.3	-0.2
MFID	Camas Ranch	57.82	59	eP	P	03 07 56.8	-0.3
MFID	Camas Ranch	57.82	59	eP	P	03 07 58.3	+1.2
D16A	Dana Ranch, Ca	57.91	54	eP	P	03 07 57.5	-0.2
C17A	Wharram Farm	57.95	53	eP	P	03 07 57.6	-0.4
HRY	Holter Researc	57.96	54	eP	P	03 07 58.0	-0.1
I12A	Atlanta	57.98	59	eP	P	03 07 58.4	+0.2
B18A	Beardsley Farm	57.98	52	eP	P	03 07 57.0	-1.1
H13A	Challis	57.98	57	eP	P	03 07 58.5	+0.3
DANN	Dangsing	58.05	278	eP	P	03 07 58.9	0.0
DANN	Dangsing	58.05	278	eP	P	03 07 58.9	0.0
WCN	Washoe City	58.12	65	eP	P	03 07 59.2	-0.1
WCN	Washoe City	58.12	65	eP	P	03 08 00.1	+0.9
WCN	Washoe City	58.12	65	eP	P	03 08 00.2	+0.9
F15A	Butte	58.15	55	eP	P	03 07 59.4	0.0
A19A	Klindworth Far	58.18	51	eP	P	03 07 59.4	-0.2
LRM	Limekiln Ridge	58.19	55	eP	P	03 08 00.2	+0.6
EGMT	Eagleton	58.23	52	eP	P	03 07 59.8	-0.1
D17A	Six Diamond Ra	58.29	53	eP	P	03 08 00.4	0.0
B19A	Brinkman Farms	58.37	51	eP	P	03 08 00.9	0.0
SUMG	Summit	58.39	5	eP	P	03 08 01.6	+0.1
SUMG	Summit	58.39	5	eP	pmax	03 08 01.7	+1.0
SUMG	Summit	58.39	5	eP	P	03 08 01.7	+1.0
DLMT	Dillon	58.46	56	eP	P	03 08 02.0	+0.9
I13A	Wildhorse Cree	58.47	58	eP	P	03 08 01.7	0.0
HLID	Hailey	58.53	58	eP	P	03 08 01.9	-0.2
HLID	Hailey	58.53	58	eP	P	03 08 03.0	+0.9
G15A	Dillon	58.58	56	eP	P	03 08 02.1	-0.3
MCMT	McKenzie Canyo	58.60	56	eP	P	03 08 02.7	+0.2
A20A	Cobblestone Ra	58.62	50	eP	P	03 08 02.7	+0.1
E17A	Martinsdale	58.64	54	eP	P	03 08 03.1	+0.3
F16A	Kennard Place	58.66	55	eP	P	03 08 03.0	+0.1
AB31	Akbulak array	58.70	310	eP	pmax	03 08 01.8	-1.4
PYUN	Piuthan	58.72	278	eP	P	03 08 03.8	+0.2
PYUN	Piuthan	58.72	278	eP	P	03 08 03.8	+0.2
D18A	Linhart Farms	58.73	53	eP	P	03 08 03.0	-0.4
J13A	Cove Ranch, Pi	58.77	58	eP	P	03 08 03.5	-0.2
C19A	Slack Wire Ran	58.78	52	eP	P	03 08 03.2	-0.5
I14A	Mackay	58.83	58	eP	P	03 08 04.6	+0.4
H15A	Lima	58.84	57	eP	P	03 08 03.7	-0.5
AKTO	Aktyubinsk	58.89	312	LR	LR	03 06 29.0	
G16A	Moss Hill, Emm	58.91	56	eP	P	03 08 04.9	+0.2
A21A	Bergtoll Ranch	59.06	50	eP	P	03 08 05.2	-0.4
E18A	Harlowton	59.07	53	eP	P	03 08 05.5	-0.3
F17A	Fitzpatrick Pl	59.10	54	eP	P	03 08 05.8	-0.2
J14A	Carey	59.18	58	eP	P	03 08 07.3	+0.7
D19A	Cripps Ranch	59.23	52	eP	P	03 08 07.3	+0.4
C20A	Veseth Ranch	59.33	51	eP	P	03 08 07.9	+0.3
QLMT	Earthquake Lak	59.37	56	eP	P	03 08 08.4	+0.5
G17A	Pierce Place	59.43	55	eP	P	03 08 08.1	-0.2
NVAR	Mina Array Bea	59.55	65	P	P	03 08 08.3	-0.9

NVAR	Mina Array Bea	59.55	65	P	P	03 08 08.3	-0.9
H16A	Russell Place	59.55	56	eP	P	03 08 09.7	+0.6
A22A	Carney Farms	59.56	49	eP	P	03 08 09.2	0.0
F18A	Big Timber	59.60	54	eP	P	03 08 09.2	-0.3
D20A	Manuel Ranch	59.67	52	eP	P	03 08 10.4	+0.5
C21A	Desert Coulee	59.73	51	eP	P	03 08 09.9	-0.4
E19A	Rath Farm, Rou	59.74	53	eP	P	03 08 10.5	+0.1
K14A	Jones Ranch, D	59.88	59	eP	P	03 08 11.6	+0.2
I16A	Newdale	59.96	57	eP	P	03 08 12.1	+0.1
B22A	Reddigh Ranch S	59.98	50	eP	P	03 08 11.8	-0.2
F19A	Roth Farm, Mol	60.05	54	eP	P	03 08 12.2	-0.3
E20A	Meyer Farm, Mu	60.05	53	eP	P	03 08 12.6	0.0
A23A	Redstone	60.10	49	eP	P	03 08 12.5	-0.3
K15A	Arbon	60.15	58	eP	P	03 08 13.1	-0.2
L14A	Malta	60.17	59	eP	P	03 08 13.9	+0.4
D21A	La Casta Ranch	60.28	51	eP	P	03 08 14.5	+0.5
J16A	Bone	60.28	57	eP	P	03 08 14.4	+0.3
JOF	Joensuu	60.35	334	eP	pmax	03 08 11.4	-2.9
JOF	Joensuu	60.35	334	eP	pmax	03 08 11.4	-2.9
RLMT	Red Lodge	60.35	54	eP	P	03 08 15.9	+1.3
B23A	Brocton	60.37	49	eP	P	03 08 14.4	-0.3
C22A	Vida	60.40	50	eP	P	03 08 15.0	+0.1
F20A	Billings	60.50	53	eP	P	03 08 15.9	+0.3
TPAW	Teton Pass	60.50	57	eP	P	03 08 18.0	+2.3
A24A	Westby	60.56	48	eP	P	03 08 16.0	0.0
E21A	Keefer Ranch	60.58	52	eP	P	03 08 16.5	+0.4
K16A	Soda Springs	60.58	58	eP	P	03 08 16.6	+0.4
LOHW	Long Hollow	60.61	56	eP	P	03 08 18.7	+2.3
D22A	Cohagen	60.64	51	eP	P	03 08 16.9	+0.3
REDW	Red Top Meadow	60.64	57	eP	P	03 08 17.4	+0.8
L15A	Malad City	60.67	59	eP	P	03 08 17.4	+0.6
C23A	Lambert	60.71	50	eP	P	03 08 17.5	+0.4
J17A	Brown Place, J	60.72	57	eP	P	03 08 17.3	+0.1
DGMT	Dagmar	60.76	49	eP	P	03 08 17.7	+0.3
DGMT	Dagmar	60.76	49	eP	P	03 08 17.3	0.0
H19A	Powell	60.80	55	eP	P	03 08 18.7	+1.1
G20A	Bridger	60.85	54	eP	P	03 08 17.4	-0.6
LAO	LASA Array	60.92	51	eP	P	03 08 18.1	-0.4
LAO	LASA Array	60.92	51	eP	P	03 08 19.3	+0.8
SCO	Scoresbysund	60.93	359	iP	pmax	03 08 18.9	+0.8
SCO	Scoresbysund	60.93	359	iP	pmax	03 08 18.9	+0.8
I18A	Diamond G Ranc	60.99	56	eP	P	03 08 19.2	+0.2
M15A	Larsen Ranch	60.99	59	eP	P	03 08 19.0	0.0
GRAC	Grapevine Rang	61.04	66	eP	P	03 08 19.5	+0.1
D23A	Lindsay	61.12	50	eP	P	03 08 20.0	+0.2
J18A	Kendall Valley	61.20	56	eP	P	03 08 20.5	+0.1
I19A	Meeteetse	61.21	55	eP	P	03 08 20.4	0.0
R11A	Troy Canyon, C	61.22	64	eP	P	03 08 20.3	-0.3
E22A	Miles City	61.23	51	eP	P	03 08 20.8	+0.2
N15A	Stansbury Isla	61.33	60	eP	P	03 08 21.4	+0.1
HWUT	Hardware Ranch	61.40	59	eP	P	03 08 22.1	+0.3
L17A	Keoville	61.46	58	eP	P	03 08 21.6	-0.6
F22A	Robeud	61.51	52	eP	P	03 08 22.2	-0.2
K18A	Toltan Ranch	61.57	57	eP	P	03 08 23.0	+0.1
MPMC	Manual Prospec	61.59	67	eP	P	03 08 23.4	+0.2
DUG	Dugway	61.62	61	eP	P	03 08 23.5	+0.2
DUG	Dugway	61.62	61	eP	P	03 08 23.3	0.0
DUG	Dugway	61.62	61	eP	pmax	03 08 23.3	0.0
DUG	Dugway	61.62	61	eP	pmax	03 08 23.3	0.0
FURC	Furnace Creek	61.70	66	eP	P	03 08 23.7	-0.2
PD01	Pinedale Array	61.73	57	eP	P	03 08 23.4	-0.6
PD02	Pinedale Array	61.73	56	eP	P	03 08 23.4	-0.7
I20A	World	61.74	55	eP	P	03 08 23.5	-0.5
BW06	Boulder Array	61.75	56	eP	P	03 08 24.1	0.0
BW06	Boulder Array	61.75	56	eP	P	03 08 24.9	+0.8
PDAR	Pinedale Array	61.75	56	eP	P	03 08 24.0	-0.1
PDAR	Pinedale Array	61.75	56	eP	P	03 08 24.0	-0.1
G22A	Birney	61.87	53	eP	P	03 08 24.4	-0.5
H21A	Big Horn, Sher	61.87	54	eP	P	03 08 24.4	-0.5
M17A	Scullys Gap (B	61.99	58	eP	P	03 08 25.8	+0.1
F23A	Volborg	61.99	52	eP	P	03 08 25.6	-0.1
L18A	Fontenelle, Gr	62.04	57	eP	P	03 08 26.4	+0.3
K19A	Abelson Red Bu	62.10	56	eP	P	03 08 26.5	0.0
JLU	Jordanne	62.13	59	eP	P	03 08 26.8	+0.1
J20A	Shoni	62.16	55	eP	P	03 08 26.8	0.0
N17A	Moffit Pass	62.25	59	eP	P	03 08 27.8	+0.3
I21A	Big Trails, Te	62.28	54	eP	P	03 08 27.6	-0.1
G23A	Biddle	62.35	52	eP	P	03 08 27.9	-0.2
O16A	Springville	62.36	60	eP	P	03 08 28.2	0.0
KAF	Kangasniemi	62.38	336	eP	pmax	03 08 26.2	-1.8
KAF	Kangasniemi	62.38	336	eP	pmax	03 08 26.2	-1.8
F24A	Ekalaka	62.40	51	eP	P	03 08 28.4	0.0
I22A	9 Mile Ranch	62.66	54	eP	P	03 08 30.6	+0.4
G24A	Alzada	62.77	52	eP	P	03 08 30.8	-0.1
N18A	Larsen Ranch	62.88	58	eP	P	03 08 31.9	+0.2

J22A	Midwest
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287 2008 DEC 2h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like Y20A, SPMM, CTA, W25A, Y23A, SCH0, etc.

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

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

Table with 5 columns: KEST SYO, Kesra, Syowa Base, 90.77 334 P, 143.88 213j,ePKIKP, P, 03 11 10.5 +1.9, 03 17 43.6 +0.9

NEIC 08 03:11:50.3,37.75S:178.89E,h58km,ML3.7(WEL),After WEL.

WEL 08 03:11:41.5-0.2,37.70S:179.70E,h12km,ML3.9/3, Error ellipse: s-maj=1.9km s-min=1.8km az=90.0, Off east coast of North Island

Table with 10 columns: Code, Station Name, Az, AZ, Phase ID, Time Res, Res, h m s ISC. Includes stations like MZK Matakaoa Point, MZK Puketiti, MZK Matakaoa Point, etc.

GUC 08 03:25:17.6:0.9,23.29S:68.79W,h15km,7km,ML3.6,7D, Northern Chile

Table with 10 columns: Code, Station Name, Az, AZ, Phase ID, Time Res, Res, h m s ISC. Includes stations like SPCH San Pedro de A, PB04 Plate Boundary, MACH Maria Elena, etc.

NEIC 08 03:30:19.0:4.1,7.24S:128.53E,h96km,40km, Error ellipse: s-maj=56.1km s-min=19.9km az=65.0

ISC 08 03:30:19.8:5.7,7.25S:128.54E,h103km,55km,mb3.5/5, mb1 3.5/8, mb1mx3.4/17, mbtrmp3.4/8, Error ellipse: s-maj=81.2km s-min=23.6km az=63.0

ISC 08 03:30:24.2:3.6,7.65S:128.3E,0.2, h152km,37km,n18, s=1939/22,mb3.6/5, Banda Sea

Table with 10 columns: Code, Station Name, Az, AZ, Phase ID, Time Res, Res, h m s ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, etc.

MEX 08 03:36:05.0:0.9,18.11N:103.38W,h14km,5km,MD4.0, Near coast of Michoacan

Table with 10 columns: Code, Station Name, Az, AZ, Phase ID, Time Res, Res, h m s ISC. Includes stations like MMIG Aquila, R15V, EZSV, etc.

ISC 08 03:54:23.5:0.9,10.13S:161.01E,h0km,mb4.0/10, mb1 4.2/11, mb1mx4.1/20, mbtrmp4.0/11, ML4.0.1, MS3.8/2, Ms1 3.7/2, ms1mx3.0/26, Error ellipse: s-maj=31.9km s-min=19.5km az=135.0

ISCJB 08 03:54:32.4:2.5,10.3S:0.1:160.9E,0.2,h76km,19km, mb3.8/11, Error ellipse: s-maj=31.9km s-min=15.9km az=28.7

NEIC 08 03:54:32.5:0.2,10.21S:160.89E,h65km,15km,mb4.1/2, Error ellipse: s-maj=23.2km s-min=11.6km az=12.0

ISC 08 03:54:32.6:2.6,10.3S:0.1:160.9E,0.2,h65km,20km,n27, s=082/26,mb3.8/11,Bougainville - Solomon Islands region

Table with 10 columns: Code, Station Name, Az, AZ, Phase ID, Time Res, Res, h m s ISC. Includes stations like HNR Honiara, CTA Charters Tower, etc.

Table with 10 columns: Code, Station Name, Az, AZ, Phase ID, Time Res, Res, h m s ISC. Includes stations like CTA Charters Tower, WRA Warramunga Arr, WRA Warramunga Arr, etc.

ISC 08 04:22:55.9:0.9,29.32N:67.35E,h0km,mb3.8/14, mb1 3.9/14, mb1mx3.7/32, mbtrmp3.8/14, Error ellipse: s-maj=20.1km s-min=19.0km az=166.0

ISCJB 08 04:22:56.0:0.5,29.14N:67.56E,0.05,h33km, mb3.7/14, Error ellipse: s-maj=8.2km s-min=5.8km az=21.6

NEIC 08 04:22:56.0:0.6,29.18N:67.56E,h10km,mb4.0/7, Error ellipse: s-maj=10.0km s-min=6.4km az=202.0

ISC 08 04:22:57.8:2.7,29.16N:67.61E,0.06,h25km,22km, n6.1,+1925/68,mb3.7/14, Pakistan

Table with 10 columns: Code, Station Name, Az, AZ, Phase ID, Time Res, Res, h m s ISC. Includes stations like KBL Kabul, AJM Ajmer, KHEH Khethri, etc.

Table with 10 columns: Code, Station Name, Az, AZ, Phase ID, Time Res, Res, h m s ISC. Includes stations like TORD Torodi Ar. Bea, DBIC Dibimbokro, DBIC Dibimbokro, etc.

IDC 08 04:25:48.9:2.8,7.16S:153.80E,h0km,mb3.3/3, mb1 3.6/3, mb1mx3.4/15, mbtrmp3.3/3, Error ellipse: s-maj=204.9km s-min=30.4km az=131.0, New Britain region

Table with 10 columns: Code, Station Name, Az, AZ, Phase ID, Time Res, Res, h m s ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

JMA 08 04:42:21.8,41.91N:144.48E,h25km,1km,ML3.6, Hokkaido region

Table with 10 columns: Code, Station Name, Az, AZ, Phase ID, Time Res, Res, h m s ISC. Includes stations like JEM Erimo, JCH Churui, JCH Akkeshi, etc.

DDA 08 04:44:22.0:1.1,41.15N:131.34E,h7km,2km,MD2.8

CSEM 08 04:44:30.7:0.7,40.77N:30.75E,h26km,4km,MD2.5, Error ellipse: s-maj=19.5km s-min=9.3km az=172.0

ISC 08 04:44:31.2,40.71N:30.75E,h27km,MD2.5

ISC 08 04:44:30.8:1.9,41.29N:0.08:31.20E,0.07,h1km,12km, n23,+1131/21,Turkey

Table with 10 columns: Code, Station Name, Az, AZ, Phase ID, Time Res, Res, h m s ISC. Includes stations like HENT Hendek, MDUB Mudurnu, SPNC Sapanca-Adapaz, etc.

ISC 08 04:50:36.5,39.07N:38.29E,h6km,MD2.7

CSEM 08 04:50:38.2:0.4,39.04N:38.37E,h15km,MD2.8, Error ellipse: s-maj=8.3km s-min=5.4km az=122.0

DDA 08 04:50:39.1,39.03N:38.35E,h7km,1km,MD2.8,Turkey

Table with 10 columns: Code, Station Name, Az, AZ, Phase ID, Time Res, Res, h m s ISC. Includes stations like KEMA Kemaliye, MYA Malatya, MALT Malatya, etc.

ISCJB 08 04:59:38.8:0.7,51.54N:0.04:16.14E,0.04,h0km, Error ellipse: s-maj=5.9km s-min=3.3km az=15.4

CSEM 08 04:59:40.4:0.4,51.53N:16.08E,h1km,ML3.3/4, Error ellipse: s-maj=6.6km s-min=5.1km az=15.0

WAR 08 04:59:41.9,51.51N:16.11E,ML2.5,Mining Induced

PRU 08 04:59:42.6,51.44N:16.10E,h0km

ISC 08 04:59:40.6:0.7,51.53N:0.04:16.11E,0.04,h0km,n26, s=086/45,1D,Poland

Table with 10 columns: Code, Station Name, Az, AZ, Phase ID, Time Res, Res, h m s ISC. Includes stations like KSP Ksiaz, UPIC Upice, DPC Dobruska-Polom, etc.

















Table with columns: Station Name, Frequency, Power, Direction, Date/Time, and other parameters. Includes stations like KKN, KAKI, KKI, PKI, etc.

Table with columns: Station Name, Frequency, Power, Direction, Date/Time, and other parameters. Includes stations like USP, Osenovka, Karatay Array, Karatay Array, etc.

Table with columns: Station Name, Frequency, Power, Direction, Date/Time, and other parameters. Includes stations like NST, Nakhon Sawan, Guiyang, GYA, etc.



Table with columns for station name, frequency, power, and other technical details. Includes stations like Talaya, Aktyubinsk, Banda Aceh, Giongzhong, Wuhan, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Sheshan, Kuching, Kuching, Tagaytay City, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like At Turbah, Kuching, Tagaytay City, Pangkal Pinang, etc.









8d 10h

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MRSI Marisa, WRAB Tennant Creek, WRA Warramunga Arr, etc.

NIED 08 10:32:00, 46°50'N, 153°00'E, h8km, Mw4.1 Best double couple: M1-48000x1019, N11x212 00000°, 849 000000°, 1.114 00000° NP2x359 00000°, 846 00000°, 1.65 00000°.

ISCJB 08 10:32:15.2, 0.9, 46.11N, 0.07-152.84E, 0.09, h37km, 7km, mb4.4/33, MS3.5/4, Error ellipse: s-maj=15.0km s-min=5.5km az=139.6

MOS 08 10:32:16.7, 0.9, 46.26N, 152.80E, h51km, mb4.3/21, Error ellipse: s-maj=11.6km s-min=9.5km az=73.1

NEIC 08 10:32:18.0, 1.1, 46.24N, 152.90E, h43km, mb4.8/11, Error ellipse: s-maj=11.6km s-min=7.0km az=144.0

IDC 08 10:32:18.2, 7.46, 23N, 152.85E, h44km, 24km, mb3.8/19, mb1.4/0.22, mb1mx3.9/30, mbtmp3.8/22, ML3.8/3, MS3.4/5, Ms1.3/4.5, mb1mx3.0/41, Error ellipse: s-maj=17.2km s-min=14.4km az=129.0

ISC 08 10:32:17.3, 0.8, 46.16N, 0.08-152.87E, 0.09, h36km, 6km, n122, e114/135, mb4.4/33, MS3.5/4, ID, Kuril Islands

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

2008 DEC

Main table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ASAJ comp=Z,3.0nm,0.3s, PETK comp=Z,122nm,18.6s, etc.

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Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KBL Kabul, NVAR Mina Array Be, etc.

ISCJB 08 10:36:39.4, 1.3, 26°35'0.1, 178°8'W, 0.1, h37km, 13km, mb4.0/9, Error ellipse: s-maj=17.0km s-min=15.0km az=138.2

IDC 08 10:36:40.1, 0.20, 26.21S, 178.76W, h385km, 117km, mb3.4/6, mb1.3/7.7, mb1mx3.5/16, mbtmp3.4/7, Error ellipse: s-maj=53.9km s-min=25.9km az=11.0

NEIC 08 10:36:40.2, 1.1, 26.24S, 178.74W, h381km, 13km, mb4.5/1, Error ellipse: s-maj=22.3km s-min=13.6km az=180.0

ISC 08 10:36:41.0, 1.2, 26.35S, 0.10, 178.8W, 0.1, h383km, 12km, n28, e987/30, mb4.0/9, South of Fiji Islands

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

INMG 08 10:46:33.7, 2.0, 32.47N, 5.46W, h15km, 16km, MD2.7, ML2.6, Error ellipse: s-maj=12.8km s-min=9.8km az=148.0

MDD 08 10:46:33.8, 0.7, 32.39N, 5.40W, h18km, 5km, mb4.2/18, Error ellipse: s-maj=6.1km s-min=4.6km az=172.0

PRXIMO ISCJB 08 10:46:34.8, 0.6, 32.79N, 0.03, 5.63W, 0.04, h10km, Error ellipse: s-maj=5.4km s-min=4.1km az=21.7

CSEM 08 10:46:36.0, 0.4, 32.80N, 5.50W, h10km, ML3.5/4, Error ellipse: s-maj=7.6km s-min=5.9km az=42.0

ISC 08 10:46:36.0, 0.6, 32.72N, 0.03, 5.59W, 0.04, h10km, n90, e085/156, Morocco

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KIB El Ksiba, CZD Col de Zad, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Mijas, Espera, Guajares, Agnon, Sierra Loja, Quesada, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Castelo Branco, Placencia, Manteigas, Moncorvo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Tuamarina, Nelson, Blackbirch Sta, etc.





8d 14h

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Spence Gulch, O'Grain Ranch, Manual Rescue, Robinson Place, Sweetwater, Rawlins, Bowen Ranch, Isabella, Dixon Ranch, Casper, Alcova, Jordanelle, Moffitt Pass, Lyman, Troy Canyon, Dugway, Midwest, Farson, Huntsville, 9 Mile Ranch, Absolon Red Bu, Tsumeb, Hardway Ranch, Big Trails, Boulder Array, Pinedale Array, Toltan Ranch, Larsen Ranch, Fish Haven, Crowheart, Worland, Mina Array, Kendall Valley, Malad City, Ekalaka, Greybull, Meeteetse, Diamond G Ranch, Soda Springs, Lodge Grass, Teton Pass, Rosebud, Indian Meadow, Bridger, Boshof, Shoshone NF, Red Lodge, Torodi Ar. Bea, Lazy EL Ranch, Cove Ranch, Mackay, Meyer Farm, Big Timber, Hailey, Lima, Rath Farm, Dagmar, Fitzpatrick Pi, McKenzie Canyo, Dillon, Brockton, Challis, Butte, Ellsworth Farm, Carney Farms, Wisdom, Six Diamond Ra, Circle Bar Ran, Darby, Wharram Farm.

2008 DEC

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Greenough, Ize, Huson, Triple J Farms, Red Ives Fores, West Butte Ran, Basook Peak, Tepee Creek, Flathead Natio, Alice Springs, Warramunga Arr, Borovoye Array, Karatay Array, Kurchatov, Erkin-Say, Zalesovo Beam, Karagaybulak, Makanchi Array, Mudanjiang, Urumqi, Changchun, Chiang Mai Arr, Hu-ho-hao-te, Nanjing, Lanzhou, Chengdu, Guiyang, Kyzart, Erkin-Say, Ala-Archa, Karagaybulak, Ulahol, Tokmak 2, Tokmak 2.

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Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Osenovka, Karatay Array, El Granada, Castro Verde, Mina Concepcio, Barrancos, Adamuz, Badajoz, Marv???, Hualien, Chiawan, Jichi Village, Shouteng Towns, Ninganchiao, Shilin, Nanau, Suao, Hungye, Hehuan Shan, Yuli, Yonaguni jima, Yuli, Nan Shan, Nioudou, Neicheng, Yeheng, Sanguang, Santiao Chiao, Sun Moon Lake, Yu-Shan, Yuchi, Yucheng, Lidau.

TWA	baz=238	1.28 334	iP	Pn	14 35 34.5 +0.6
Mucha	baz=334		S	Sn	14 35 50.4 -0.2
NWF	baz=334	1.30 342	iP	Pn	14 35 34.5 +0.4
Wu-fen Shan	baz=358		i	Sn	14 35 50.1 -0.9
TATO	baz=358	1.32 330	eP	Pn	14 35 34.3 -0.1
ALS	baz=247	1.33 357	iP	Pn	14 35 35.4 +0.8
TAP1	baz=392	1.36 333	eP	Pn	14 35 36.1 +1.1
TAP1	baz=332		eS	Sn	14 35 52.2 -0.3
NSTT	baz=306	1.37 306	eP	Pn	14 35 35.7 +0.6
NSTT	baz=306		eS	Sn	14 35 52.3 -0.3
WNT	baz=271	1.40 272	iP	Pn	14 35 36.5 +1.0
WNT	baz=271		eS	Sn	14 35 53.4 -0.1
TWQ1	baz=291	1.42 292	iP	Pn	14 35 36.6 +0.8
TWQ1	baz=291		eS	Sn	14 35 54.1 +0.3
CHNS	baz=251	1.43 261	iP	Pn	14 35 36.6 +0.7
CHNS	baz=251		eS	Sn	14 35 54.3 +0.2
TCU	baz=282	1.44 283	eP	Pn	14 35 37.2 +1.1
TCU	baz=282		eS	Sn	14 35 54.9 +0.4
TTN	baz=212	1.45 223	eP	Pn	14 35 34.9 -1.3
TTN	baz=212		eS	Sn	14 35 35.1 -1.1
TWG	baz=225	1.45 227	eP	Pn	14 35 34.2 -2.0
NSY	baz=294	1.45 294	eP	Pn	14 35 37.2 +1.0
NSY	baz=294		eS	Sn	14 35 55.4 +0.7
TWS1	baz=342	1.46 330	eP	Pn	14 35 36.5 +0.2
TWS1	baz=342		eS	Sn	14 35 54.7 -0.3
HATJ	baz=342	1.47 81	P	Pn	14 35 36.9 +0.4
HATJ	baz=342		eS	Sn	14 35 55.5 +0.2
NCU	baz=321	1.47 321	eP	Pn	14 35 36.5 0.0
NCU	baz=321		eS	Sn	14 35 55.0 -0.3
IRIF	baz=234	1.48 70	P	Pn	14 35 36.8 +0.3
IRIF	baz=234		S	Sn	14 35 55.8 +0.5
STYT	baz=234	1.49 244	iP	Pn	14 35 36.9 +0.2
STYT	baz=234		eS	Sn	14 35 54.8 -0.9
WGK	baz=263	1.52 265	eP	Pn	14 35 37.7 +0.5
WGK	baz=263		eS	Sn	14 35 57.1 +0.7
TPUB	baz=251	1.54 251	eP	Pn	14 35 38.1 +0.7
CHN4	baz=251	1.56 253	P	Pn	14 35 38.8 +1.1
CHN4	baz=251		S	Sn	14 35 58.8 +1.3
CHN1	baz=246	1.67 248	iP	Pn	14 35 40.4 +1.1
CHN1	baz=246		S	Sn	14 35 01.6 +1.4
CHY	baz=257	1.67 259	eP	Pn	14 35 41.3 +2.1
CHY	baz=257		eS	Sn	14 36 00.9 +0.7
ECL	baz=231	1.69 224	eP	Pn	14 35 37.7 -1.7
ECL	baz=231		eS	Sn	14 35 37.7 -1.7
JKRS	baz=270	1.69 76	P	Pn	14 35 40.0 +0.5
JKRS	baz=270		eS	Sn	14 35 59.9 -0.8
WTCT	baz=270	1.77 272	iP	Pn	14 35 41.5 +1.0
WTCT	baz=270		eS	Sn	14 36 03.9 +1.3
SSD	baz=225	1.81 234	eP	Pn	14 35 41.1 0.0
SSD	baz=225		eS	Sn	14 35 42.2 +0.7
WSF	baz=263	1.83 265	eP	Pn	14 35 42.2 +0.7
WSF	baz=263		eS	Sn	14 35 41.4 -0.2
JJU	baz=246	1.85 247	eP	Pn	14 35 42.8 +1.0
JJU	baz=246		eS	Sn	14 35 42.8 +1.0
CHN3	baz=198	1.88 199	eP	Pn	14 35 40.6 -1.5
CHN3	baz=198		eS	Sn	14 35 42.3 -0.1
CHN8	baz=254	1.90 256	eP	Pn	14 35 42.3 -0.1
CHN8	baz=254		eS	Sn	14 36 06.2 +0.4
EAST	baz=220	1.91 221	eP	Pn	14 35 41.4 -1.1
EAST	baz=220		eS	Sn	14 35 44.1 +1.4
TWM1	baz=238	1.93 239	eP	Pn	14 35 44.3 +1.0
TWM1	baz=238		eS	Sn	14 35 44.3 +1.0
SCLT	baz=249	1.96 251	eP	Pn	14 36 08.7 +1.2
SCLT	baz=249		eS	Sn	14 35 44.6 0.0
SCZT	baz=220	2.06 226	eP	Pn	14 35 44.6 0.0
SCZT	baz=220		eS	Sn	14 36 10.5 +0.7
TWK1	baz=214	2.28 215	eP	Pn	14 35 49.3 +1.7
TWK1	baz=214		eS	Sn	14 35 49.3 +1.7
JTJ	baz=263	2.41 70	P	Pn	14 35 49.5 +0.1
JTJ	baz=263		eS	Sn	14 36 17.0 -1.4
PNG	baz=263	2.45 264	eP	Pn	14 35 49.9 0.0
PNG	baz=263		eS	Sn	14 36 17.9 -1.5
JMJ	baz=263	2.98 70	eS	Sn	14 36 32.7 +0.3
JOGS	baz=263	3.06 72	P	Pn	14 35 59.1 +0.8
JOGS	baz=263		eS	Sn	14 36 34.0 -0.4
OZH	baz=217	3.48 289	iP	Pn	14 36 01.4 -2.8
OZH	baz=217		Smax	Sn	14 36 38.4 -6.5
KNM	baz=279	3.50 280	eP	Pn	14 36 05.2 +0.8
KNM	baz=279		eS	Sn	14 36 22.1 -0.6
JKE	baz=59	4.83 58	P	Pn	14 36 21.1 -0.6
JKE	baz=59		eS	Sn	14 36 41.6 -0.6

h31km,6.6km,pp-P, n1363, r1506/1309, mb5.3/257, MS4.6/167,56C-28D, Southern Iran					
Code	Station Name	Δ Az	Phase ID	Time	Res
BNDS	Bandar-Abbas	0.61 27	Op	ISC	h m s ISC
BNDS	Bandar-Abbas	0.61 27	eP	Pb	14 41 54.0 -6.0
BNDS	Bandar-Abbas	0.61 27	eSg	Sb	14 42 02.0 -6.5
BNDS	Bandar-Abbas	0.61 27	eP	Pb	14 42 03.3 -5.5
BNDS	Bandar-Abbas	0.61 27	eSg	Sb	14 42 02.3 -6.2
BNDS	Bandar-Abbas	0.61 27	eP	Pb	14 41 54.2 -5.8
BNDS	Bandar-Abbas	0.61 27	eSg	Sb	14 42 02.0 -6.5
IBND	Bandar-abbas	0.85 45	eP	Pn	14 41 58.6 -4.7
IBND	Bandar-abbas	0.85 45	eSg	Sb	14 42 11.6 -3.5
IBND	Bandar-abbas	0.85 45	eP	Pn	14 42 36.3
IBND	Bandar-abbas	0.85 45	eP	Pn	14 41 58.6 -4.7
BANOM	Banah	1.00 157	P	Pn	14 42 05.3 -0.1
BANOM	Banah	1.00 157	P	Pn	14 42 04.5 -0.9
BANOM	Banah	1.00 157	ml	Pn	14 42 08.2
BANOM	Banah	1.00 157	ml	Pn	14 42 15.3
BANOM	Banah	1.00 157	ml	Pn	14 42 21.8 +3.4
NAZ	Nazwa, Dubai	1.86 186	P	Pn	14 42 20.0 +2.8
NAZ	Nazwa, Dubai	1.86 186	P	Pn	14 42 23.0 +3.1
HATD	Hatta, Dubai	2.03 173	P	Pn	14 42 21.5 +1.9
HATD	Hatta, Dubai	2.03 173	P	Pn	14 42 21.6 +2.0
HATD	Hatta, Dubai	2.03 173	ml	Pn	14 42 28.4
ASHO	Ashiyah	2.17 175	P	Pn	14 42 23.7 +2.3
ASHO	Ashiyah	2.17 175	P	Pn	14 42 23.8 +2.4
ASHO	Ashiyah	2.17 175	S	Pn	14 42 23.8 +2.4
ASUD	Al Ashush, Dub	2.27 192	P	Pn	14 42 26.2 +3.4
ASUD	Al Ashush, Dub	2.27 192	P	Pn	14 42 26.0 +3.3
ASUD	Al Ashush, Dub	2.27 192	S	Pn	14 42 26.2 +3.3
ASUD	Al Ashush, Dub	2.27 192	ml	Pn	14 42 31.0
KRBR	Kerman	3.22 14	eP	Pn	14 42 36.7 +0.8
KRBR	Kerman	3.22 14	eS	Sn	14 43 14.4 +1.3
KRBR	Kerman	3.22 14	eP	Pn	14 43 26.9
KRBR	Kerman	3.22 14	eP	Pn	14 43 46.9
ISRV	Sarvestan	3.50 317	eP	Pn	14 42 40.5 +0.8
ISRV	Sarvestan	3.50 317	eP	Pn	14 44 09.1
ISRV	Sarvestan	3.50 317	eP	Pn	14 42 40.5 +0.8
ARQ	Araqi	3.55 170	P	Pn	14 42 41.9 +1.4
ARQ	Araqi	3.55 170	P	Pn	14 42 41.7 +1.3
IPAR	Pars	3.88 321	eP	Pn	14 42 46.4 +1.5
IPAR	Pars	3.88 321	eP	Pn	14 42 52.9 +2.6
IPAR	Pars	3.88 321	eP	Pn	14 42 52.7 +2.4
BSY	Bisya	4.27 163	P	Pn	14 42 56.5 +0.9
SMDO	Samad	4.65 347	eP	Pn	14 42 56.5 +0.9
IMEH	Mehriz	4.65 347	eP	Pn	14 42 56.5 +0.9
IMEH	Mehriz	4.65 347	eP	Pn	14 42 56.5 +0.9
IMEH	Mehriz	4.65 347	eP	Pn	14 42 56.5 +0.9
IMEH	Mehriz	4.65 347	eP	Pn	14 42 56.5 +0.9
IBAF	Bafgh	4.73 357	eP	Pn	14 42 56.6 0.0
IBAF	Bafgh	4.73 357	eP	Pn	14 42 56.6 0.0
IBAF	Bafgh	4.73 357	eP	Pn	14 42 56.6 0.0
JMDO	Jabal Madar	4.91 155	P	Pn	14 43 01.3 +2.2
WBK	Wadi Bani Khal	5.08 146	P	Pn	14 43 01.8 +0.3
ZHSD	Zahedan	5.13 56	eSg	Sn	14 44 30.0 +3.0
ZHSD	Zahedan	5.13 56	eSg	Sn	14 44 30.0 +3.0
ISAD	Sadrah	5.39 340	eP	Pn	14 43 05.4 -0.3
ISAD	Sadrah	5.39 340	eP	Pn	14 44 13.5
ISAD	Sadrah	5.39 340	eP	Pn	14 43 05.4 -0.3
ISAD	Sadrah	5.39 340	eP	Pn	14 43 07.1 +3.2
ICHK	Chekchek	5.52 347	eP	Pn	14 43 07.8 +0.3
ICHK	Chekchek	5.52 347	eP	Pn	14 43 09.6 +0.3
ICHK	Chekchek	5.52 347	eP	Pn	14 43 07.8 +0.3
ICHK	Chekchek	5.52 347	eP	Pn	14 43 07.8 +0.3
IGAR	Gharneh	6.45 330	eP	Pn	14 43 21.1 +0.8
IGAR	Gharneh	6.45 330	eP	Pn	14 44 34.4
NASN	Na'in	6.49 337	eP	Pn	14 43 21.0 +0.1
NASN	Na'in	6.49 337	eP	Pn	14 43 32.0 +1.8
NASN	Na'in	6.49 337	eP	Pn	14 43 21.2 +0.3
NASN	Na'in	6.49 337	eP	Pn	14 43 21.0 +0.1
NASN	Na'in	6.49 337	eP	Pn	14 43 32.0 +1.8
ITEG	Tejag	6.53 22	eP	Pn	14 43 21.1 -0.2
ITEG	Tejag	6.53 22	eP	Pn	14 45 27.8
ITEG	Tejag	6.53 22	eP	Pn	14 43 21.1 -0.2
IZEF	Zefreh	6.76 334	eP	Pn	14 43 23.9 -0.6
IZEF	Zefreh	6.76 334	eP	Pn	14 44 46.4
IZEF	Zefreh	6.76 334	eP	Pn	14 43 23.9 -0.6
IDAH	Dahanechah	6.82 30	eP	Pn	14 43 26.3 +0.9
IDAH	Dahanechah	6.82 30	eP	Pn	14 45 53.5
IDAH	Dahanechah	6.82 30	eP	Pn	14 43 26.3 +0.9
IDAH	Dahanechah	6.82 30	eP	Pn	14 43 26.3 +0.9
ITAB	Tabas	7.78 28	eP	Pn	14 43 31.7 +0.8
IPIR	Pirpir	7.24 325	eP	Pn	14 43 31.8 +0.7
IPIR	Pirpir	7.24 325	eP	Pn	14 44 55.0
IPIR	Pirpir	7.24 325	eP	Pn	14 43 31.8 +0.7
IKLH	Kolahrood	7.44 331	eP	Pn	14 43 31.7 +0.5
IKLH	Kolahrood	7.44 331	eP	Pn	14 44 55.4 -1.6
IKLH	Kolahrood	7.44 331	eP	Pn	14 45 07.7
IKLH	Kolahrood	7.44 331	eP	Pn	14 43 33.3 -0.5
KBD	Kabd	7.58 290	eP	Pn	14 43 32.1 +1.8
KBD	Kabd	7.58 290	eP	Pn	14 43 36.2 +0.4
KBD	Kabd	7.58 290	eP	Pn	14 43 36.2 +0.4
RDF	Al-Radifah	7.64 288	eP	Pn	14 43 36.9 +0.2
RDF	Al-Radifah	7.64 288	eP	Pn	14 43 38.8 +0.2
RDF	Al-Radifah				









Table with columns for station ID, name, frequency, and other details. Includes stations like NC602, SMF, DDU, LOR, etc.

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

Table with columns for station ID, name, frequency, and other details. Includes stations like MCH1, MCH1, MCH1, etc.

8d 14h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like CLNS, KLSI, CN2, YAK, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BOSA, Boshof, MYLDM, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like TNA, NWA0, NWA0, etc.









Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like EVR, AGG, VLI, LKR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KEV, VAF, YAF, APO, etc.

NEIC 08 18:09:25.6637N-157.70W, h13km, ML3.5(AEIC), After AEIC, Northern Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like IM3, GCSA, COLD, etc.

UPP 08 18:09:14.8, 67.09N-21.03E, h0km, ML2.3, Mining explosion.

ISCJB 08 18:09:14.0, 0.5, 67.08N-0.02-20.99E, 0.10, h0km, Error ellipse: s-maj=5.5km, s-min=3.0km, az=6.0

IDC 08 18:09:15.8, 0.9, 67.13N-20.91E, h0km, mb1 3.2/4, mb1mx3.0/26, mbtmp3.1/4, ML2.4/4, Error ellipse: s-maj=17.2km, s-min=6.8km, az=117.0

HEL 08 18:09:15.6, 0.1, 67.06N-20.95E, h0km, ML1.9, ML2.3(UPP), ML2.2(BER), Explosion

NAO 08 18:09:15.5, 1.2, 67.08N-21.11E, ML2.1, CSEM 08 18:09:15.0, 0.2, 67.09N-20.86E, h2km, ML3.4, Error ellipse: s-maj=6.4km, s-min=3.3km, az=106.0, Mining explosion.

BER 08 18:09:16.8, 3.2, 67.04N-20.84E, h0km, ML2.2, ML2.1(NAO), Suspected explosion

ISC 08 18:09:14.9, 0.4, 67.07N-0.02-20.99E, 0.08, h0km, n48, r1509/70, Sweden

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KUA, LANU, KALU, etc.

ISCJB 08 18:33:01.3, 0.8, 40.31N-0.02-18.95E, 0.05, h11km, 5km, Error ellipse: s-maj=6.9km, s-min=3.3km, az=155.6

CSEM 08 18:33:03.4, 0.4, 40.31N-19.11E, h10km, ML2.4, Error ellipse: s-maj=10.1km, s-min=4.4km, az=79.0

THE 08 18:33:03.1, 40.29N-19.05E, h4km, 1km, ML2.9/5, Error ellipse: s-maj=2.2km, s-min=1.2km, az=263.0

ATH 08 18:33:03.4, 40.28N-19.10E, h33km, 3km, MD3.6/15

BEO 08 18:33:17.8, 0.8, 41.19N-19.10E, h0km, ML2.4/2

ISC 08 18:35:02.9, 0.6, 40.31N-0.03-19.01E, 0.05, h13km, 4km, n65, r087/95, Albania

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KEK, KKR, KIR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PLG, LKR, DIVS, etc.

BUI 08 18:39:02.2, 53.92S-106.59E, h10km, mb6.6/49, mb5.8/56, Ms5.9/63, Ms7.5/761

BGS 08 18:39:03.2, 5.3, 53.00S-106.82E, h10km, mb6.2(NEIC)

ISCJB 08 18:39:07.0, 1.1, 53.00S-106.81E, 0.05, h10km, mb5.9/12, Ms5.9/20, Error ellipse: s-maj=4.4km

IDC 08 18:39:07.6, 0.3, 52.98S-106.91E, h0km, mb5.7/28, mb1.5/6.28, mb1mx5.6/29, mbtmp5.6/28, mbmp5.9/12, Ms1.5/9.12, ms1mx5.6/20, Error ellipse: s-maj=11.6km, s-min=5.8km, az=119.0

MOS 08 18:39:09.1, 1.0, 52.84S-107.00E, h10km, mb6.1/46, Ms5.8/86, Error ellipse: s-maj=14.5km, s-min=8.4km, az=86.9

NEIC 08 18:39:09.5, 0.1, 53.01S-106.82E, h11km, mb6.2/67, Ms6.0, Ms5.9/158, MW6.3, Error ellipse: s-maj=5.1km, s-min=4.6km, az=106.0, Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism.

DJA 08 18:39:14.5, 0.9S-107.17E, h40km, Mw6.5/104

GCMT 08 18:39:15.8, 0.1, 53.09S-106.76E, h21km, MW6.3, Moment tensor solution. s15, s259; s99, c194; Moment tensor: Scale 10^18Nm; Mr-3.0E+02; Mw0.12+0.02; Mw0.338; Me-0.65E+04; Mw-0.77E+01; Ms0.27E+03; Best double couple: Ms3.60000E+018; NP1: 0.356, 0.00000, 0.42, 0.00000, -0.77, 0.00000; Principal axes: 0.158, 0.00000, 0.49, 0.00000, -1, -1, 0.00000; N 0.0400, P19.0000, Azm 166.0000, P -3.6200, P19.0000, Azm 7.0000; Data Used: I I U CN I C G S. Mantle waves from 107 sta. Surface waves: sta=122, comp=290, per=50.

ISC 08 18:39:09.6, 0.1, 53.02S-106.80E, 0.05, h10km, (h15km, 1.6km, pp-P), n1762, r193/474, mb5.9/211, Ms5.9/210, 233C, 245D, Southeast Indian Ridge

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

ISC 08 18:39:09.6, 0.1, 53.02S-106.80E, 0.05, h10km, (h15km, 1.6km, pp-P), n1762, r193/474, mb5.9/211, Ms5.9/210, 233C, 245D, Southeast Indian Ridge

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





DANN	Dangsing	83.48 340	eP	P	18 51 35.8	-1.2
LSA	Lhasa	83.49 346	P	S	18 51 35.7	-1.4
LSA			S	S	19 01 50.2	-8.2
LSA	comp=Z,380nm,0.7s,mb6.5					
LSA	comp=Z,40nm,1.7s,mb5.5					
LSA	comp=Z,4um,9.2s					
LSA	comp=N,1um,21.1s,MS5.7					
LSA	comp=E,3um,19.8s,MS5.7					
LSA	comp=Z,3um,20.2s,MS5.7					
RBK	Rabkut	83.57 310	P	P	18 51 38.5	+0.7
CD2	Chengdu	83.62 357	ijP	P	18 51 37.6	-0.1
CD2			pP	pP	18 51 42.4	+1.4
CD2			sP	sP	18 51 45.2	+3.0
CD2			PP	PP	18 54 53.2	+2.4
CD2			S	S	19 01 58.6	-1.0
CD2	comp=Z,170nm,1.2s,mb6.0					
CD2	comp=Z,9um,10.8s					
CD2	comp=N,5um,20.4s,MS6.0					
CD2	comp=E,4um,20.4s,MS6.0					
AGRA	Agra	83.78 334	ePKP	P	18 51 36.9	-1.6
ABTO	Aybut	83.86 309	P	P	18 51 43.0	+3.7
AJM	Ajmer	83.97 331	ePKP	P	18 51 38.0	-1.6
PAE	Paea	83.99 111	eP	P	18 51 41.9	+1.8
PAE	comp=Z,51nm,1.2s,mb5.5					
PAE	Paea	83.99 111	eP	P	18 51 41.9	+1.8
PPT2	Papeete2	84.05 111	eP	P	18 51 42.1	+1.7
PPT2	comp=Z,226nm,1.2s,mb5.2					
PPT2	Papeete2	84.05 111	eP	P	18 51 42.1	+1.7
PPT	Papeete	84.07 111	ePP	PP	18 54 53.7	-0.4
PPT	comp=Z,895nm,25.2s					
PPT	comp=Z,5um,23.2s					
PPT	comp=Z,22um,29.2s					
PPT	comp=Z,8um,21.8s,baz=212					
PPT	Papeete	84.07 111	ePP	PP	18 54 53.7	-0.4
PPT	comp=Z,895nm,25.2s					
PPT	comp=Z,5um,23.2s					
PPT	comp=Z,22um,29.2s					
PPT	comp=Z,8um,21.8s,baz=212					
TIAR	Tiarei	84.21 111	eP	P	18 51 42.2	+1.0
TIAR	comp=Z,422nm,1.1s,mb6.5					
TIAR	Tiarei	84.21 111	eP	P	18 51 42.2	+1.0
FURI	Furi	84.26 293	eP	P	18 51 42.9	+1.4
FURI	comp=Z,192nm,1.4s,mb6.0					
MEH	Mehetia	84.67 111	eP	P	18 54 55.6	-0.6
MEH	comp=Z,192nm,1.4s,mb6.0					
MEH	Mehetia	84.67 111	eP	P	18 51 44.8	+1.2
SSE	Sheshan	84.69 12	P	P	18 51 41.7	-1.5
SSE	comp=Z,120nm,0.8s,mb6.1					
SSE	comp=Z,3um,8.4s					
SSE	comp=N,1um,18.5s,MS5.4					
SSE	comp=E,650nm,18.8s,MS5.4					
SSE	comp=Z,2um,23.8s,MS5.4					
SSE	Sheshan	84.69 12	P	P	18 51 41.7	-1.5
SSE	comp=Z,122nm,0.8s,mb6.1					
SSE			pP	pP	18 51 48.7	+2.2
SSE			sP	sP	18 51 53.7	+6.0
SSE			PP	PP	18 54 56.8	-2.8
SSE			S	S	19 02 07.9	-2.5
SSE			sS	sS	19 02 21.8	+5.9
SSE			LR	LR	19 07 40.0	-2.9
KUDL	Kundal	85.03 333	ePKP	AMB	18 51 43.6	-1.3
KUDL	comp=Z,2um,23.8s,MS5.4					
KHET	Khetri	85.15 333	ePKP	AMB	18 51 43.8	-1.7
KHET	comp=Z,312nm,1.4s,mb6.3					
NDI	New Delhi	85.35 334	ePKP	P	18 51 46.0	-0.5
NJ2	Nanjing	85.36 10	eP	P	18 51 45.3	-1.2
NJ2			pP	pP	18 51 50.1	+0.3
NJ2			sP	sP	18 51 52.3	+1.3
NJ2	comp=Z,50nm,0.5s,mb5.9					
NJ2	comp=Z,350nm,6.8s					
NJ2	comp=N,2um,8.6s					
NJ2	comp=E,2um,7.5s					
WBK	Wadi Bani Khal	85.98 17	P	P	18 51 51.2	+1.4
JMDO	Jabal Madar	86.13 316	P	P	18 51 51.6	+1.1
PLCA	Paso Flores	86.60 182	P	P	18 51 52.6	-0.2
PLCA	comp=Z,68nm,1.0s,mb5.8,baz=181,slow=5.6,SNR=12					
PLCA	comp=Z,0.7nm,0.5s,baz=62,slow=19,SNR=3.1					
PLCA	comp=Z,3.7nm,1.1s,baz=319,slow=3.7,SNR=4.6					
PLCA	comp=Z,10um,18.9s,MS6.2,baz=172,slow=36					
PLCA	Paso Flores	86.60 182	eP	P	18 51 52.5	-0.3
PLCA			S	S	19 02 16.0	-1.3
PLCA			PKKPbc	PKKPbc	19 09 47.0	+0.9
PLCA			P	P	18 51 52.7	-0.1
PLCA			S	S	19 02 16.0	-1.3
PLCA	comp=Z,68nm,1.0s					
PLCA	comp=N,1.0nm,0.5s					
PLCA	comp=Z,4.0nm,1.1s					
KKR	Kurukshetra	86.67 334	ePKP	AMB	18 51 52.3	-0.7
KKR	comp=Z,10um,18.9s					
DDI	Dehra Dun	86.69 335	ePKP	P	18 51 51.3	-1.8
DDI	comp=Z,485nm,2.3s,mb6.3					
XAN	Xi'an	86.71 2	eP	P	18 55 25.5	
XAN			pP	pP	18 51 52.3	-0.8
XAN			PP	PP	18 52 03.1	+6.7
XAN			SKS	SKS	18 55 15.6	-0.4
XAN			S	S	19 02 16.6	
XAN	comp=Z,48nm,2.4s,mb5.3					
XAN	comp=Z,1um,8.8s					
XAN	comp=N,2um,18.1s,MS5.6					
XAN	comp=E,440nm,17.4s,MS5.6					
XAN	comp=Z,7um,19.6s,MS5.3					
SMDO	Samard	86.76 316	P	P	18 51 54.6	+1.0
BSY	Bisya	86.84 315	P	P	18 51 54.6	+0.6
BSY	SNR=9.1					
PMOR	Pomario Rio	87.08 111	eP	P	18 51 56.8	+1.3

PMOR	Pomario Rio	87.08 111	eP	P	18 51 56.8	+1.3
RKT	Rikitea	87.24 126	eP	S	18 51 58.2	+1.9
RKT	comp=Z,298nm,1.1s,mb6.4					
RKT	comp=Z,5um,26.8s					
RKT	comp=Z,4um,28.0s					
RKT	comp=Z,12um,36.0s					
RKT	Rikitea	87.24 126	eP	LR	19 19 33.2	
RKT	comp=Z,298nm,1.1s,mb6.4					
RKT	comp=Z,5um,26.8s					
RKT	comp=Z,4um,28.0s					
RKT	comp=Z,12um,36.0s					
RKT	Araqi	87.65 315	eLR	P	19 19 33.2	
ARQ	SNR=13					
SMLA	Simla	87.69 335	iP	P	18 51 58.6	+0.6
WAKE	Wake Island	88.57 55	PFAKE	LR	18 52 10.0	+7.6
WAKE						
LZH	Lanzhou	88.77 358	ijP	P	18 52 03.0	+0.1
LZH	comp=Z,4um,19.0s,MS5.8					
LZH			pP	pP	18 52 06.3	0.0
LZH			PP	PP	18 55 33.0	+0.5
LZH			SKS	SKS	19 02 50.1	+0.4
LZH			S	S	19 02 55.2	0.0
LZH			SS	SS	19 03 58.0	
LZH			SS	SS	19 08 45.0	+2.4
LZH	comp=Z,310nm,1.4s,mb6.5					
LZH	comp=Z,3um,8.5s					
LZH	comp=N,5um,18.4s,MS6.0					
LZH	comp=E,2um,15.2s,MS6.0					
LZH	comp=Z,7um,20.0s,MS6.1					
LZH	Lanzhou	88.77 358	ijP	P	18 52 03.0	+0.1
LZH	comp=Z,312nm,1.4s,mb6.5					
LZH			pP	pP	18 52 06.3	0.0
LZH			sP	sP	18 52 07.6	+0.1
LZH			SKS	SKS	19 02 30.0	
LZH			S	S	19 02 50.1	+0.4
LZH			SS	SS	19 03 58.0	
LZH			SS	SS	19 08 45.0	+2.4
LZH	comp=Z,7um,20.0s,MS6.1					
LZH	Lanzhou	88.77 358	ijP	P	18 52 03.0	+0.1
LZH			*PP	*PP	18 52 06.3	0.0
LZH			*SP	*SP	18 52 07.6	+0.1
LZH			S	S	19 02 30.0	
LZH			PS	PS	19 02 50.1	+0.4
LZH			SS	SS	19 03 58.0	
LZH			SS	SS	19 08 45.0	+2.4
LZH	comp=Z,312nm,1.4s,mb6.5					
LZH	LR					
TRQA	Torquiest	88.78 189	eP	P	18 52 01.8	-1.5
TRQA	comp=Z,61nm,1.4s,mb5.7					
TRQA	comp=Z,7um,20.0s,MS6.1					
TRQA	Ashiyah	89.04 315	P	P	18 52 04.0	-0.5
ASHO	Ashiyah	89.04 315	P	P	18 52 04.0	-0.5
HATD	Hatta, Dubai	89.13 315	P	P	18 52 04.4	-0.5
HATD	SNR=20					
HATD	SNR=18					
TIA	Tai'an	89.31 8	P	S	18 52 04.8	-0.7
TIA			P	S	19 02 51.1	-3.6
TIA	comp=Z,5um,7.8s					
TIA	comp=N,2um,23.5s,MS5.6					
TIA	comp=E,2um,24.5s,MS5.6					
TIA	comp=Z,2um,20.6s,MS5.5					
BANOM	Banah	90.03 316	P	P	18 52 09.3	+0.2
BANOM	SNR=6					
SHEL	Horse Pasture	90.29 243	PFAKE	LR	18 52 20.0	+9.3
SHEL	comp=Z,3um,20.0s,MS5.8					
TIY	Taiyuan	90.49 4	ijP	P	18 52 10.2	-0.7
TIY	comp=Z,3um,20.0s,MS5.8					
TIY			SKS	SKS	19 02 38.5	
TIY			S	S	19 02 57.9	-7.7
TIY	comp=Z,3um,8.3s					
TIY	comp=N,520nm,13.1s,MS5.4					
TIY	comp=E,760nm,13.9s,MS5.4					
TIY	comp=Z,2um,26.3s					
LPA	La Plata	91.43 193	eP	P	18 52 17.0	+1.2
LPA			PKIKP	PKIKP	18 57 05.0	-2.5
LPA			SCS	SCS	19 04 18.0	+0.1
LPA			P	P	19 03 24.0	+0.1
INCN	Inchon	91.76 16	P	LR	18 52 20.9	+4.1
INCN	comp=Z,1um,21.0s,MS5.4					
KSAR	Wonju Array Be	91.93 17	P	P	18 52 18.0	+0.4
KSAR	comp=Z,1um,21.0s,MS5.4					
KSAR	Wonju Array Be	91.93 17	P	P	18 52 18.0	+0.4
KSAR	comp=Z,26nm,0.9s,mb5.6,baz=194,slow=4.1,SNR=34					
KSRS	Korsrs	91.95 17	P	P	18 52 18.0	+0.3
KSRS	comp=Z,3.4nm,1.2s,baz=39,slow=6.4,SNR=5.2					
KSRS	Korea Array	91.95 17	P	P	18 52 18.0	+0.3
KSRS	comp=Z,27nm,0.9s,mb5.6					
KSRS	comp=Z,3.0nm,1.2s,mb4.5					
GTA	Gaotai	92.25 355	ijP	P	18 52 18.3	-0.8
GTA			pP	pP	18 52 23.2	+0.8
GTA			sP	sP	18 52 25.3	+1.7
GTA			SKS	SKS	18 56 01.8	+1.7
GTA			PP	PP	19 02 49.8	
GTA			S	S	19 03 18.7	-2.8
GTA	comp=Z,81nm,2.1s,mb5.7					
GTA	comp=Z,3um,6.6s					
GTA	comp=N,3um,20.9s,MS5.8					
GTA	comp=E,3um,19.7s,MS5.8					
GTA	comp=Z,4um,21.3s,MS5.8					
DL2	Dalian	92.45 12	P	P	18 52 20.2	+0.2
DL2			S	S	19 03 22.3	-1.0
DL2			SS	SS	19 09 40.1	+4.4
DL2	comp=Z,30nm,1.5s,mb5.4					
DL2	comp=Z,1um,6.5s					
DL2	comp=N,900nm,18.1s					
DL2	comp=Z,900nm,18.6s,MS5.2					
RAYN	Ar Rayn	92.86 306	eP	P	18 52 22.4	+0.1
RAYN	comp=Z,177nm,1.4s,mb5.3,SNR=16					
BJI	Beijing	93.04 7	P	P	18 52 22.8	+0.1
BJI			PP	PP	18 56 09.8	+3.5
BJI			S	S		







8d 18h

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Table with columns for station call letters, name, frequency, and other technical details. Includes stations like SFS, BSD, HAU, MORF, etc.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like MORF, BBEJ, BCLA, BEBN, etc.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like NOA, KONO, SGMF, etc.



2008 DEC

Table with columns: ID, Name, Date, Time, Status, and other details. Rows include: 8d 18h, Mvco Mesa Verde, S19A Harvey Farm, Z27A Tatum, MPU Maple Canyon, N15A Stansbury Isla, F10A Beach Ranch, SRU San Rafael, Y26A Elida, I12A Atlanta, X25A Clemmons Ranch, P17A Butcher Ranch, O16A Springville, V23A Ortiz Mt. (NFS), W24A Lazy G Ranch, R19A Curley Farm, L14A Malta, C09A Chrisman Ranch, Q18A Rafter H Ranch, U22A Llavies, CTU Camp Tracy, T21A Navajo Lake, H15A Hansel Valley, H15A Larsen Ranch, HL1D Hailey, HL1D Hailey, Y27A Causey, SCO Scoresbysund, SCO Scoresbysund, DAU Daniels Canyon, DAU Daniels Canyon, J13U Jordaneville, J13U Jordan Ranch, PV04 Paradox Valley, K14A Jones Ranch, X26A CR and CF Fran, U23A El Rito, O17A Robinson Place, N16A Rees Ranch, R21A Coal Bank Pass, S20A Redvale, Q19A Hogan Spring, HKT Hockley, HKT Hockley, V24A Rampart Ranch, H12A Diamond D Ranch, BORG Borgarnes, BORG Borgarnes, MSTX Muleshoe, T22A Edith, G12A Big Creek, L15A Malad City, W25A X Bar L Ranch, M16A Huntsville, I13A Wildhorse Cree, J14A Carey, HWUT Hardware Ranch, HWUT Hardware Ranch, W26A Owens Ranch, N17A Moffit Pass, X27A F and S Farms, H13A Challis, O18A Roosevelt, V25A Rancho No Teng, NEW Newport, NEW Newport, NEW Newport, U24A Moreno Valley, I14A Mackay, T23A Casias Ranch, S22A 4UR Ranch, R21A Cimarron, P19A Cripple Cowboy, G16A Fish Haven, L13A Cobalt, W27A Bowe Ranch, M17A Scullys Gap, V26A Tequesquite Ra, P20A De Beque, Q21A Lamborn Mesa, R22A Saguache, Gunn, U25A Circle Dot Ranch, F13A Darby

Table with columns: ID, Name, Date, Time, Status, and other details. Rows include: S23A Nye Farm, L17A Cokeville, K16A Soda Springs, N18A Larsen Ranch, M18A Lyman, T24A Torres, Weston, I15A Molokini, C12B Naegeli Ranch, J16A Bone, AHID Auburn Hatcher, AMTX Amarillo, AMTX Amarillo, N19A John Jarvis Ra, Q22A Crested Butte, SDCO Great Sand Dun, SDCO Great Sand Dun, U26A Atcoy Ranch, O20A White River Ci, MCMT Camp Tracy, K17A Gardner Place, H15A Lima, E13A Victor, S24A Houchin Ranch, L18A Fontenelle, P21A Newcastle, R23A Moffat, SMC0 Snowmass, B12A Libby, RRI2 Red Ridge, T25A Trinidad, D13A Huson, F14A Wisdom, A12A Yaak River Ran, I16A Newdale, BSMT Bassoco Peak, M19A Rock Springs, D10A Drake Creek, MSO Missoula, MSO Missoula, C13A Hot Springs, G15A Dillon, REDW Red Top Meadow, TPWU Teton Pass, E14A Clinton, N20A Spence Gulch, DLMT Dillon, K18A Toltan Ranch, J17A Brown Place, S25A Roberts Cordova, Q21A Pagoda, Q22A Eagle, SNOW Snow King Moun, R24A Sanders Place, L19A Farson, JTMT Jette, SWMT Swartz Lake, BLMT Blunt Mountain, IMW Indian Meadow, MOOW Moose Ponds, LOHW Long Hollow, NATX Nacodoches, D14A Greenough, B13A Whitefish, F15A Butte, LRM Limekiln Ridge, VBMT Yellow Bay, BLMT Cheabertain Mo, SLMT Seeley Lake, J18A Kendall Valley, N21A Black Mountain, PD01 Pinedale Array, BW06 Boulder Array, BW06 Boulder Array, PDAR Pinedale Array, PDAR Pinedale Array, PDAR Pinedale Array, PDAR Pinedale Array, PD02 Pinedale Array, G16A Moss Hill, ENN, QLMT Earthquake Lak, RFTA Plano, I17A Pilgrim Ck, M20A Sweetwater, Wa, P23A Jefferson, FLWY Flagg Ranch, H16A Russell Place, R25A Fountain Ranch, E15A Deer Lodge, Q22A Kremmling, Q24A Divide

Table with columns: ID, Name, Date, Time, Status, and other details. Rows include: A13A Flathead Natio, YFT Old Faithful, YMR Madison River, L20A Wamsutter, H17A Grant Village, BOZ Bozeman (W), BOZ Bozeman (W), BOZ Bozeman (W), BOZ Bozeman (W), I18A Diamond G Ranch, F16A Kennard Place, YNR Norris Junctio, WMOK Wichita Mounta, WMOK Wichita Mounta, K19A Absolon Red Bu, ISCO Idaho Springs, ISCO Idaho Springs, ISCO Idaho Springs, D15A Laco, LKWY Lake, LKWY Lake, WALA Waterton Lakes, O23A Lake Granby, J19A Crowheart, M21A Separation Pna, B14A Marquette Ranc, N22A Wattenberg Ran, Q25A Bedland, Caha, K20A Yellowstone Ra, R26A Arlington, G17A Pierce Place, HRY Holter Researc, E16A East Helena, RWY Rawlins, C15A Salmad Ranch, A14A Double T Ranch, N23A Red Feather La, O24A Longmont, H18A Shoshone NF, C, B15A Bradley Ranch, F17A Fitzpatrick Pl, D16A Dana Ranch, I19A Meeteetse, P25A Wapiti, E17A Martinsdale, A15A Johnson Ranch, J20A Shoshoni, C16A Fuhringer Ranch, K21A Alcova, H18A Lazy El Ranch, G19A Powell, L22A Ellis Ranch, RLMT Red Lodge, RLMT Red Lodge, M23A Laramie, I20A Worland, PHWY Pilot Hill, N24A Carr, B16A M & M Farms, S, GCMT Casper, J21A Lysite, SUMG Summit, SUMG Summit, SUMG Summit, F18A Big Timber, D17A Six Diamond Ra, K22A Casper, C17A Wharram Farm, E18A Harlowton, L23A Garrett, VBMS Vicksburg, I21A Big Trails, T, BRAL Brewton, BRAL Brewton, M24A Cheyenne, N25A Grove, F19A Roth Farm, Mo, B17A L&G Farms, Che, O26A Horse Wrangler, G20A Bridger, D18A Linhart Farms, J22A Midwest, L24A Wheatland

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like Bowen Ranch, Triple J Farms, Palm-Egli Farm, Rath Farm, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like Baker, GOGA, GOGA Godfrey, Lambert, Pickwick Lake, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like Palisades, Erie, Grayling, Weston, etc.

ADC 08 19:07:22.0, 2.6, 42.92N, 104.199W, h0km, mb3.5/2, mb1 4.0/4, mb1mx3.5/25, mbtmp3.8/4, ML3.8/2, Error ellipse: s-maj=51.3km s-min=8.6km az=158.0

NEIC 08 19:07:25.9, 1.3, 43.46N, 105.08W, h0km, ML3.1, Error ellipse: s-maj=17.6km s-min=13.2km az=111.0, Suspected Mining explosion.

NEIC 08 19:07:26.7, 2.4, 43.68N, 105.01W, 105.31W, 0.02, h0km, Error ellipse: s-maj=2.5km s-min=1.7km az=172.4

ISCN 08 19:07:27.0, 2.4, 43.87N, 101.11W, 105.28W, 0.02, h0km, n172, -0.877/187, 55C-66D, Wyoming

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Meade Ranch, Dilts Ranch, etc.

8d 20h

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like E23A Ismay, H19A Powell, N24A Carr, etc.

2008 DEC

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like D16A Dana Ranch, MCMC McKenzie Canyon, R25A Fowley Ranch, etc.

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Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like ZALV Zalesovo Beam, KURK Kurchatov, BRVK Kurchatov, etc.





9d Oh

0.8mm,0.9s,baz=110,slow=2.2,SNR=5.0
BRTR Keskin Array B 143.87 315 PKP PKPdf 21 58 06.8 +0.6
GERES GERES Array B 146.71 345 PKPbc PKPbc 21 58 14.2 +0.7
0.2mm,0.4s,baz=46,slow=2.8,SNR=4.6
GERES GERES Array B 146.71 345 PKPbc PKPbc 21 58 14.2 +0.7

ISCJB 08 21:52:58.1+0.8,39:51N:0:04:20:34E:0:04,h1km,7km,
Error ellipse: s-maj=6.5km s-min=5.7km az=10.6
ATH 08 21:52:58.6,39:51N:20:35E,h13km,1km,MD3.3/8
CSEM 08 21:52:59.3+0.5,39:56N:20:29E,h20km,MD3.3,Error
ellipse: s-maj=13.3km s-min=8.6km az=28.0
ISC 08 21:52:58.6+0.7,39:50N:0:04:20:33E:0:04,h4km,6km,
n26,c197/39,Greece-Albania border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like JAN Janina, KEK Kerkira, EVR Evrytania, etc.

NIED 08 22:22:00.29:20N:130:10E,h38km,Mw4.3 Best double
couple: M3.66000x1015 NP1.929.00000,890.00000,
7.87.00000. NP2.929.00000,83.00000,
ISCJB 08 22:22:06.8+0.4,29:16N:0:03:130:18E:0:06,h55km,4km,
mb4.2/26,Error ellipse: s-maj=9.2km s-min=3.6km
az=20.1

JMA 08 22:22:06.6+0.1,29:19N:130:09E,h65km,3km,M3.7
IDC 08 22:22:07.9+0.2,29:18N:130:10E,h46km,1km,MD3.7/13
mb1.3/8/16,mb1mx3.7/20,mbtmp3.7/16,ML3.8/3,MS3.3/2,
M5.1.3/32,ms1mx2.6/40,Error ellipse: s-maj=20.6km
s-min=12.3km az=90.0

NEIC 08 22:22:07.7+0.5,29:16N:130:14E,h46km,5km,mb4.6/16,
MW4.3(NIED),Error ellipse: s-maj=6.1km s-min=4.4km
az=120.0

ISC 08 22:22:07.9+0.4,29:17N:0:03:130:15E:0:06,h47km,4km,
n71,c0971/81,mb4.2/26,Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like JNN Nakanoshima, JZK Kikashima, JAM Amami Oshima, etc.

2008 DEC

Table with columns: MKAR, Station Name, Az, Phase ID, Time, Res. Lists stations like MKAR Machanchi Array, ZALV Zalesovo Beam, KURK Kurchatov, etc.

IDC 08 22:27:37.2+6.5,17:22S:177:16W,h0km,mb4.1/2,
mb1.4/3/2,mb1mx3.8/16,mbtmp4.1/2,Error ellipse:
s-maj=322.1km s-min=52.2km az=146.0,Fiji Islands
region

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

NEIC 08 22:52:35.4+1.4,7:24S,129:23E,h99km,14km,mb4.0/1,
Error ellipse: s-maj=18.2km s-min=6.8km az=40.0
IDC 08 22:52:36.2+6.1,7:23S,129:19E,h102km,59km,mb3.5/4,
mb1.3/8/7,mb1mx3.6/16,mbtmp3.7/7,Error ellipse:
s-maj=83.7km s-min=24.5km az=63.0

ISC 08 22:52:37.0+1.6,7:49S:0:08:129:04E:0:10,h113km,17km,
n37,c095/45,mb4.1/7,Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like KAPI Kappang, FITZ Fitzroy Crossi, WRAB Tennant Creek, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like SVRC Sivrice-ELAZID, ELZG Elazig, PERTK Pertek, etc.

IDC 08 20:29:25.0+1.3,7:00N:145:78E,h0km,mb3.9/3,
mb1.4/1/3,mb1mx3.8/16,mbtmp3.9/3,Error ellipse:
s-maj=961.6km s-min=149.5km az=77.0,Fiji Islands
region

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

IDC 08 23:25:16.5+1.1,3:700N:145:78E,h0km,mb3.9/7,
mb1.4/0/7,mb1mx3.9/18,mbtmp3.9/7,Error ellipse:
s-maj=47.1km s-min=20.1km az=78.0,Eastern Caroline
Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like CTA Charters Tower, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 09 00:02:37.5+0.9,33:49S:178:51W,h0km,mb4.4/4,
mb1.4/6/6,mb1mx4.3/18,mbtmp4.6/6,ML4.1/2,MS3.8/1,
ML3.8/1,ms1mx3.2/19,Error ellipse: s-maj=27.8km
s-min=24.6km az=75.0

ISCJB 09 00:02:39.7+2.1,33:64S:0:06:178:7W:0:1,h25km,16km,
mb4.5/8,Error ellipse: s-maj=16.8km s-min=7.0km
az=24.4

NEIC 09 00:02:42.9+1.4,33:59S:178:63W,h35km,12km,mb4.7/6,
Error ellipse: s-maj=11.3km s-min=10.6km az=61.0
ISC 09 00:02:42.3+2.0,33:61S:0:05:178:7W:0:1,h29km,15km,
n63,c121/57,mb4.5/8,South of Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like MXZ Matakaoa Point, PUZ Puketiti, CMAR Chiang Mai Arr, etc.







FINES	MLR	MLR			
KOLL	comp=Z,2um,18.2s				
KOLL	Kolacno	41.26 310	eP	P	02 54 18.9 +0.4
KAF	Kolacno	41.26 310	eP	P	02 54 18.9 +0.4
KAF	Kangasniemi	41.45 332	eP	P	02 54 18.2 -1.6
KAF	comp=Z,13nm,0.6s,mb4.7				
KAF	Kangasniemi	41.45 332	eP	P	02 54 18.2 -1.6
OKC	comp=Z,12nm,0.6s,mb4.7				
OKC	Ostrava-Krasne	41.61 312	eP	P	02 54 21.3 -0.1
OKC	Ostrava-Krasne	41.61 312	eP	P	02 54 21.3 -0.1
SMOL	Smolenice	41.90 310	eP	P	02 54 24.3 +0.6
SMOL	Smolenice	41.90 310	eP	P	02 54 24.3 +0.6
MORC	Moravsky Berou	41.99 312	eP	P	02 54 24.6 +0.2
MORC	comp=Z,33nm,1.4s,mb4.8				
MORC	Moravsky Berou	41.99 312	eP	P	02 54 24.6 +0.2
MORC	comp=Z,33nm,1.4s,mb4.8				
MORC	Moravsky Berou	41.99 312	iP	P	02 54 24.7 +0.2
BOD	Sodaibo	41.99 35	eP	P	02 54 25.1 +0.7
BOD	comp=Z,24nm,1.1s,mb4.7				
ZST	Bratislava	42.07 310	eP	P	02 54 25.3 +0.1
ZST	comp=Z,15nm,0.8s,mb4.7				
ZST	Bratislava	42.07 310	eP	P	02 54 25.3 +0.1
LVZ	Lovozero	42.25 342	eP	P	02 54 26.4 +0.1
LVZ	comp=Z,31nm,0.9s,mb4.9				
LVZ	Lovozero	42.25 342	eP	P	02 54 25.3 -1.0
LVZ	comp=Z,27nm,0.9s,mb4.9				
APA	Apatity	42.35 341	iP	P	02 54 27.4 +0.2
APA	comp=Z,20nm,0.8s,mb4.8				
APA	comp=Z,2um,20.0s,MS5.0				
SOP	Sopron	42.39 309	iP	P	02 54 27.9 +0.2
KOGS	Kog	42.50 307	iP	P	02 54 28.9 +0.2
VRAC	Vranov	42.54 311	eP	P	02 54 29.5 +0.6
VRAC	comp=Z,1.5nm,0.4s,mb4.0,baz=97,slow=11,SNR=5.7				
VRAC	Vranov	42.54 311	eP	P	02 54 29.5 +0.6
VRAC	Vranov	42.54 311	eP	P	02 54 29.5 +0.6
KMBO	Kilima Mbogo	42.55 228	eP	P	02 54 33.1 +3.7
KMBO	comp=Z,42nm,1.7s,mb4.9				
KMBO	Kilima Mbogo	42.55 228	eP	P	02 54 33.1 +3.6
KMBO	comp=Z,42nm,1.7s				
KMBO	Kilima Mbogo	42.55 228	eP	P	02 54 33.8 +4.3
CUC	Castrocucco	42.82 298	eP	P	02 54 30.7 -0.7
DCP	Dobruska-Polom	42.85 313	eP	P	02 54 32.5 +1.0
DCP	comp=Z,213nm,2.3s,mb5.5				
DCP	Dobruska-Polom	42.85 313	eP	P	02 54 32.5 +1.0
DCP	comp=Z,213nm,2.3s,mb5.5				
DCP	Dobruska-Polom	42.85 313	eP	P	02 54 32.3 +0.8
DCP	comp=Z,213nm,2.3s,mb5.5				
DCP	Dobruska-Polom	42.85 313	eP	P	02 54 48.9
DCP	AMS				03 17 10.0
CONA	Conrad Observa	42.88 309	iP	P	02 54 31.7 -0.1
CONA	comp=Z,15nm,1.3s,mb4.6				
KSP	Ksiaz	42.94 313	eP	P	02 54 32.9 +0.7
KSP	comp=Z,900nm,22.1s				03 15 11.8
KSP	Ksiaz	42.94 313	eP	P	02 54 31.7 -0.5
KSP	AMS				03 00 54.0 -3.9
KSP	Ksiaz	42.94 313	eP	P	02 54 31.7 -0.5
KSP	AMS				03 00 54.0 -3.9
ARSA	Arzberg	43.05 308	iP	P	02 54 33.6 +0.4
UPC	Upice	43.07 313	eP	P	02 54 34.3 +1.1
UPC	comp=Z,56nm,1.5s,mb5.1				02 54 49.7
UPC	Upice	43.07 313	eP	P	02 54 34.3 +1.1
UPC	AMS				02 54 49.7
BOUS	Bojanci	43.15 306	iP	P	02 54 33.9 -0.1
TREC	Trest	43.26 311	eP	P	02 54 34.9 +0.1
TREC	comp=Z,1um,22.3s,MS4.7				
TREC	Trest	43.26 311	eP	P	02 54 34.9 +0.1
TREC	AMS				03 15 50.0
PERS	Pernice	43.29 307	iP	P	02 54 36.2 +1.1
SOKA	Soboth	43.35 307	iP	P	02 54 35.9 +0.3
SOKA	comp=Z,31nm,1.9s,mb4.7				
NJ2	Nanjing	43.74 74	eP	P	02 54 40.0 +2.1
NJ2	AMS				02 54 44.9
NJ2	Nanjing	43.74 74	eP	P	02 54 48.1 +1.0
NJ2	AMS				03 01 09.5 +1.3
NJ2	comp=Z,50nm,0.9s,mb5.2				
NJ2	comp=Z,260nm,6.2s				
NJ2	comp=N,3um,21.4s,MS5.3				
NJ2	comp=E,3um,20.3s,MS5.3				
LJU	Ljubljana	43.68 306	iP	P	02 54 38.6 +0.4
OBKA	Obir	43.68 307	iP	P	02 54 38.7 +0.4
OBKA	comp=Z,29nm,1.5s,mb4.8				
MOZS	Mozjanca	43.74 307	iP	P	02 54 39.1 +0.4
PRU	Pruhonic	43.94 312	eP	P	02 54 41.4 +1.1
PRU	comp=Z,900nm,16.8s,MS4.8				
PRU	Pruhonic	43.94 312	eP	P	02 54 41.4 +1.1
PRU	AMS				03 19 00.0
MOA	Molin	43.94 309	iP	P	02 54 40.3 0.0
PVCC	Panska Ves	43.98 313	eP	P	02 54 40.2 -0.4
PVCC	comp=Z,1um,10.8s,MS5.0				
PVCC	Panska Ves	43.98 313	eP	P	02 54 40.2 -0.4
PVCC	AMS				03 18 20.0
VOY	Vojsko	44.12 306	eP	P	02 54 41.6 -0.2
CADS	Cadgr	44.23 307	iP	P	02 54 42.6 -0.1
MYKA	Terra Mystica	44.31 307	iP	P	02 54 43.3 0.0
MYKA	comp=Z,17nm,1.0s,mb4.7				
GE2C	GERESS Array S	44.38 310	eP	P	02 54 44.1 +0.2
GE2C	comp=Z,107nm,2.3s,mb5.2				
GE2C	GERESS Array S	44.38 310	eP	P	02 54 44.1 +0.2
GERES	GERESS Array B	44.38 310	eP	P	02 54 43.4 -0.4
GERES	comp=Z,6.4nm,0.8s,mb4.4,baz=101,slow=6.9,SNR=48				02 56 27.7 0.0
GERES	comp=Z,0.9nm,0.6s,baz=90,slow=4.9,SNR=3.4				
GERES	GERESS Array B	44.38 310	eP	P	02 54 43.4 -0.4
GERES	AMS				02 56 27.7 0.0
GERES	GERESS Array B	44.38 310	eP	P	02 54 43.4 -0.5
GERES	AMS				02 56 27.7
GERES	comp=Z,6.0nm,0.8s				
BRG	Berggiesshubel	44.42 313	eP	P	02 54 44.8 +0.7
BRG	comp=Z,9.3nm,0.8s,mb4.6				
BRG	comp=Z,79nm,1.9s				02 54 48.5
BRG	comp=Z,38nm,1.6s				02 55 15.6
BRG	comp=Z,10.0nm,1.2s				02 56 25.1 -2.7
BRG	AMS				03 01 21.0 +1.5
BRG	AMS				03 04 47.0 +9.0
BRG	comp=N,770nm,10.1s				
BRG	comp=E,921nm,13.4s				
BRG	comp=Z,2um,15.0s				
BRG	Berggiesshubel	44.42 313	eP	P	02 54 44.9 +0.8
BRG	comp=Z,79nm,1.9s,mb5.1				
BRG	Berggiesshubel	44.42 313	eP	P	02 54 44.8 +0.7
BRG	AMS				02 56 25.1
BRG	AMS				03 01 21.0 +1.5
BRG	comp=Z,9.0nm,0.8s,mb4.5				
BRG	AMS				02 54 48.5

BRG	comp=Z,79nm,1.9s,mb5.1				
BRG	comp=Z,38nm,1.6s,mb4.9				
BRG	comp=Z,10.0nm,1.2s,mb4.4				
BRG	comp=N,770nm,10.1s,MS5.0				
BRG	comp=E,921nm,13.4s,MS5.0				
BRG	comp=Z,2um,15.0s,MS5.0				
KHC	Kasperske Hory	44.49 311	eP	P	02 54 44.7 0.0
KHC	Kasperske Hory	44.49 311	eP	P	02 54 44.6 -0.1
KHC	comp=Z,1um,13.6s,MS5.0				
KHC	Kasperske Hory	44.49 311	eP	P	02 54 44.6 -0.1
KHC	AMS				03 18 30.0
AQU	L'Aquila	44.51 301	eP	P	02 54 45.1 +0.1
AQU	comp=Z,27nm,0.9s,mb5.1				
AQU	L'Aquila	44.51 301	eP	P	02 54 45.1 +0.1
AQU	AMS				02 54 45.1 +0.1
KBA	Koelnbreinsper	44.53 308	iP	P	02 54 45.0 0.0
KBA	comp=Z,27nm,0.9s,mb5.1				
KBA	Koelnbreinsper	44.53 308	iP	P	02 54 45.0 0.0
MYKOM	Kota Tinggi	44.64 123	eP	P	02 54 49.7 +3.4
RJOB	Jochberg	44.93 309	eP	P	02 54 49.9 +1.7
CLL	Collm	45.05 314	iP	P	02 54 49.1 -0.1
CLL	comp=Z,23nm,1.1s,mb4.9				02 54 53.6
CLL	AMS				02 55 02.3
CLL	comp=Z,7.0nm,0.9s,mb4.5				
CLL	Collm	45.05 314	iP	P	02 54 49.1 -0.1
CLL	comp=Z,7.0nm,0.9s,mb4.5				
CLL	AMS				02 54 53.6 +3.8
CLL	comp=Z,16nm,1.5s				
CLL	AMS				02 55 02.3
CLL	AMS				02 56 32.0 -2.2
CLL	AMS				03 01 30.0 +1.2
CLL	AMS				03 04 52.0 +1.7
CLL	AMS				03 16 00.0
CLL	comp=N,2um,18.9s				
CLL	LmH				03 16 00.0
NKC	Novy Kostel	45.30 312	eP	P	02 54 52.0 +0.8
NKC	comp=E,800nm,18.6s				
NKC	Novy Kostel	45.30 312	eP	P	02 54 52.0 +0.8
NKC	AMS				03 19 00.0
ROTZ	Rotzenmühle	45.43 312	eP	P	02 54 52.8 +0.7
ROTZ	comp=Z,45nm,1.8s,mb5.0				
KEV	Kevo	45.56 342	eP	P	02 54 50.5 -2.4
KEV	AMS				02 54 50.5 -2.4
KEV	comp=Z,1.0nm,0.4s,mb4.1				
KEV	Kevo	45.56 342	eP	P	02 54 50.5 -2.4
WTTA	Wattenberg	45.70 308	iP	P	02 54 53.7 -0.6
WTTA	comp=Z,0.7nm,0.4s,mb3.9				
WATA	Walderalm	45.74 308	iP	P	02 54 53.6 -1.1
WATA	comp=Z,14nm,0.8s,mb4.9				
SSE	Sheshan	45.76 75	eP	P	02 54 53.3 -1.8
SSE	AMS				03 01 36.1 -3.4
SSE	comp=Z,29nm,0.6s,mb5.4				
SSE	AMS				02 54 53.3 -1.8
SSE	comp=Z,170nm,6.0s				
SSE	AMS				02 54 56.4
SSE	comp=N,620nm,17.4s,MS5.2				03 01 36.1 -3.4
SSE	AMS				03 01 42.3 +2.0
SSE	comp=E,2um,17.4s,MS5.2				
SSE	AMS				02 54 56.4
SSE	comp=Z,3um,19.2s,MS5.2				
SSE	Sheshan	45.76 75	eP	P	02 54 53.3 -1.8
SSE	AMS				02 54 56.4
SSE	AMS				03 01 36.1 -3.4
SSE	AMS				03 01 42.3 +2.0
ARCES	ARCCESS Array B	45.84 341	eP	P	02 54 54.9 -0.3
ARCES	comp=Z,5.5nm,0.5s,mb4.7,baz=132,slow=9.2,SNR=60				03 16 07.7
ARCES	AMS				03 16 07.7
ARCES	ARCCESS Array B	45.84 341	eP	P	02 54 54.9 -0.3
ARCES	AMS				02 54 54.9 -0.3
ARCES	ARCCESS Array B	45.84 341	eP	P	02 54 54.9 -0.3
ARCES	AMS				02 54 54.9 -0.3
ARCES	comp=Z,6.0nm,0.5s				
ARCES	AMS				02 54 55.0 -0.1
AREO	AREO ACCESS Array S	45.84 341	eP	P	02 54 55.0 -0.1
AREO	AMS				02 54 56.5 +0.9
MOX	Moxa	45.87 313	eP	P	02 54 56.5 +0.9
MOX	AMS				02 54 56.5 +0.9
GRF	Grafenberg Arr	46.06 311	eP	P	02 54 56.4 -0.8
GRF	comp=Z,80nm,1.9s,mb5.3				
GRF	Grafenberg Arr	46.06 311	eP	P	02 54 56.4 -0.8
GRF	AMS				03 17 10.3
GRF	comp=Z,99nm,2.2s,mb5.3				
GRF	Grafenberg Arr	46.06 311	eP	P	02 54 56.4 -0.8
GRF	AMS				03 17 10.3
GRF	comp=Z,98nm,2.2s,mb5.3				
MOTA	Moosalm	46.06 308	iP	P	02 54 55.9 -1.3
MOTA	comp=Z,700nm,20.7s,MS4.6				
RETA	Reutte	46.30 308	iP	P	02 54 58.1 -1.0
RETA	comp=Z,12nm,0.5s,mb5.0				
RETA	Reutte	46.30 308	iP	P	02 54 58.1 -1.0
HFS	Hagfors	46.31 326	eP	P	02 54 58.3 -0.7
HFS	comp=Z,13nm,0.9s,mb4.8,baz=117,slow=8.7,SNR=15				
HFS	Hagfors	46.31 326	eP	P	02 54 58.3 -0.7
HFS	AMS				02 54 58.3 -0.7
FETA	Feichten	46.31 308	iP	P	02 54 58.6









Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like INK, ARCES, ACASG, NOA, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like CDF, GDF, GVF, GIVF, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ULHL, TKM2, KZA, etc.

ISCJB 09 03:49:23.0.9.34:59N:0:05:24:19E:0:06,h24km,5km,mb3.8/3,MS3.6/2,Error ellipse: s-maj=8.8km s-min=7.5km az=29.2

ISC 09 03:49:25.7.34:75N:24:12E,h22km,1.2km,MD2.8/6 THE 09 03:49:27.7.34:90N:24:23E,h1km,2km,ML3.1/1,Error ellipse: s-maj=2.7km s-min=0.8km az=146.0

Code Station Name Az AZZ Phase ID Time Res GVD Gavdhos 0.14 338 Op P 03 49 23.2 +0.3

Code Station Name Az AZZ Phase ID Time Res GVD Gavdhos 0.14 338 P P 03 49 30.0 +0.2

Code Station Name Az AZZ Phase ID Time Res GVD Gavdhos 0.14 338 P P 03 49 33.2 +0.3

Code Station Name Az AZZ Phase ID Time Res GVD Gavdhos 0.14 338 P P 03 49 37.7 +0.1

Code Station Name Az AZZ Phase ID Time Res GVD Gavdhos 0.14 338 P P 03 49 40.2 +0.2

-4.2300, Plg64.0000°, Azm184.0000°; Data Used: II IU G IC CN

ISC 09 03:54:41.5:1.15333N:0.05:144.9E:0.2,h34km,37km,

n56,e083/38,mb4.1/20,MS4.1/20,Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like GUMO, CBUJ, JOW, MJAR, etc.

ISC 09 04:49:30.9:1.1,1.322N:126.51E,h0km,mb4.1/6,

mb1.4/2.8,mb1mx3.9/21,mbtmp3.1/8,ML4.0/2,Error

ellipse: s-maj=52.3km s-min=16.3km az=69.0

ISCJBJ 09 04:49:37.0:7.0,1.333N:0.06:126.41E:0.05,h75km,8km,

mb4.1/6,Error ellipse: s-maj=10.5km s-min=6.7km

az=33.3

DJA 09 04:49:35.1:1.44N:126.44E,h23km,MLV4.2/8

ISC 09 04:49:38.0:7.0,1.333N:0.06:126.44E:0.05,h45km,gkm,

n19,e097/21,mb4.1/6,Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like FUSE, ZOU, VINO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like MNI, LMBI, SGSI, etc.

ISC 09 04:55:48.9:0.9,39.32N:73.72E,h0km,mb3.7/10,

mb1.3/9/13,mb1mx3.7/29,mbtmp3.8/13,ML3.4/4,Error

ellipse: s-maj=20.0km s-min=17.6km az=30.0

NEIC 09 04:55:54.0:9.0,39.49N:73.66E,h35km,Error ellipse:

s-maj=12.1km s-min=9.7km az=128.0

ISCJBJ 09 04:55:57.0:7.0,39.55N:0.06:73.67E:0.08,h65km,gkm,

mb3.6/10,Error ellipse: s-maj=11.1km s-min=9.5km

az=153.1

NNC 09 04:55:55.2:5.5,39.77N:73.85E,h0km,mb3.9,mpv3.6,

Error ellipse: s-maj=46.2km s-min=26.4km az=169.0

ISC 09 04:55:57.1:1.0,39.56N:0.07:73.62E:0.08,h60km,gkm,

n54,e119/57,mb3.7/10,8C-4D,Tajikistan-Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like AML, UCH, KZA, etc.

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

ISC 09 05:05:29.9:2.4,4.77S:152.82E,h0km,mb3.5/3,

mb1.3/7.3,mb1mx3.5/15,mbtmp3.5/3,Error ellipse:

s-maj=167.1km s-min=28.8km az=126.0,New Britain

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

ISC 09 05:22:52.0:2.3,6.07S:130.25E,h0km,mb3.4/1,

mb1.3/7.4,mb1mx3.5/15,mbtmp3.5/4,ML3.7/3,Error

ellipse: s-maj=99.1km s-min=28.0km az=77.0,Banda

Sea

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

ISCJBJ 09 05:23:02.0:2.3,6.07S:130.25E:0.05,h89km,4km,

mb3.6/2,Error ellipse: s-maj=5.2km s-min=3.2km az=41.3

NEIC 09 05:23:04.5,6.07S:151.70W,h88km,ML3.9(PMR),

ML3.5(AEIC),After AEIC.

NEIC Fell at Chuglak and Homer.

ISC 09 05:23:04.0:1.4,6.07S:151.86W,h89km,27km,mb3.3/2,

mb1.3/6.6,mb1mx3.2/27,mbtmp3.5/6,Error ellipse:

s-maj=10.9km s-min=10.4km az=11.0

ISC 09 05:23:03.0:0.3,6.07S:151.65W:0.05,h78km,5km,

n78,e066/91,mb3.6/2,Kenai Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like NKA, KKG, RDN, etc.

TEH 09 05:33:00.0,1.14N:126.84E,h98km





HHC	comp=Z,21nm,0.6s,mb5.0		pmax	pmax						
HHC	comp=Z,200nm,6.2s		pmax	pmax						
HHC	comp=N,330nm,14.7s		LR	LR						
HHC	comp=E,190nm,15.7s		LR	LR						
HHC	comp=Z,540nm,15.3s		LR	LR						
CN2	Changchun	42.40 358	eP	P	05 41 04.3	+2.3				
CN2			eP	pP	05 41 22.7	+2.5				
CN2			eS	S	05 47 21.4	+3.3				
CN2			SS	SS	05 50 27.0	-2.8				
CN2	comp=Z,10.0nm,0.5s,mb4.8		pmax	pmax						
CN2	comp=Z,200nm,6.0s		LR	LR						
CN2	comp=N,600nm,20.0s		LR	LR						
CN2	comp=E,300nm,20.0s		LR	LR						
CN2	comp=Z,200nm,19.0s		LR	LR						
MDJ	Mudanjiang	43.26 3	P	P	05 41 09.6	+0.7				
MDJ			pP	pP	05 41 28.6	+1.5				
MDJ			sP	sP	05 41 38.1	+2.5				
MDJ			PP	PP	05 42 51.0	+0.2				
MDJ			S	S	05 47 30.8	+0.2				
MDJ	comp=Z,15nm,0.9s,mb4.7		pmax	pmax						
MDJ	comp=Z,55nm,6.0s		LR	LR						
MDJ	comp=N,210nm,20.8s		LR	LR						
MDJ	comp=E,170nm,21.6s		LR	LR						
ASAJ	Asahikawa	44.90 16	P	P	05 41 21.8	-0.3				
ASAJ	comp=Z,6.9nm,0.5s,mb4.6,baz=245,slow=14,SNR=4.2		LR	LR	05 59 22.8					
ASAJ	Asahikawa	44.90 16	P	P	05 41 21.8	-0.3				
GTA	Gaotai	45.35 330	P	P	05 41 26.5	+0.7				
GTA			pP	pP	05 41 44.5	+0.4				
GTA			sP	sP	05 41 54.3	+1.8				
GTA			PcP	PcP	05 43 05.9	+1.7				
GTA			ScP	ScP	05 46 48.8	-1.8				
GTA			S	S	05 48 02.2	+1.0				
GTA			ScS	ScS	05 51 14.7	-0.7				
GTA			SS	SS	05 51 18.4	-7.5				
GTA	comp=Z,4.0nm,0.9s,mb4.2		pmax	pmax						
GTA	comp=Z,79nm,5.5s		LR	LR						
GTA	comp=N,150nm,10.7s		LR	LR						
GTA	comp=E,170nm,11.9s		LR	LR						
GTA	comp=Z,350nm,15.2s		LR	LR						
TAPN	Taplejung	45.70 308	eP	P	05 41 27.9	-0.8				
TAPN	comp=Z,9.5nm,0.5s,mb4.8									
TAPN	Taplejung	45.70 308	eP	P	05 41 27.9	-0.8				
ODAN	Odare	45.73 307	eP	P	05 41 28.1	-0.9				
ODAN	comp=Z,18nm,0.7s,mb4.9									
ODAN	Odare	45.73 307	eP	P	05 41 28.1	-0.9				
RAMN	Ramite	46.40 307	eP	P	05 41 33.7	-0.5				
RAMN	comp=Z,18nm,0.7s,mb4.9									
RAMN	Ramite	46.40 307	eP	P	05 41 33.7	-0.5				
RAMN	comp=Z,27nm,0.8s,mb5.0									
JIRN	Jiri	47.04 308	eP	P	05 41 38.4	-0.9				
JIRN	comp=Z,3.8nm,0.4s,mb4.5									
GUN	Gumba	47.40 308	eP	P	05 41 41.0	-1.0				
GUN	comp=Z,27nm,0.5s,mb5.3									
GUN	Gumba	47.40 308	eP	P	05 41 41.0	-1.0				
GUN	comp=Z,27nm,0.5s,mb5.2									
HABR	Khabarovsk	47.57 7	eP	P	05 41 41.8	-1.1				
HABR			ePP	pP	05 42 01.2	-0.2				
HABR			eS	S	05 48 31.6	-1.0				
HABR			eSS	SS	05 51 26.8					
HABR			eSSS	SSS	05 52 01.3	-0.3				
HABR			pmax	pmax	05 53 11.7					
HABR	comp=E,69nm,3.0s		pmax	pmax						
HABR	comp=Z,38nm,1.5s,mb5.0		pmax	pmax						
HABR	comp=N,19nm,1.2s		MLR	MLR						
HABR	comp=Z,153nm,17.0s		MLR	MLR						
YSS	Yuzh-Sakhalins	47.57 15	eP	P	05 41 42.7	-0.3				
YSS	comp=Z,26nm,1.3s,mb4.9		pmax	pmax						
KKN	Kakani	47.82 307	eP	P	05 41 44.5	-0.8				
KKN	comp=Z,9.1nm,0.5s,mb4.9									
KKN	Kakani	47.82 307	eP	P	05 41 44.5	-0.8				
KKN	comp=Z,9.1nm,0.5s,mb4.9									
KKN	Kakani	47.82 307	eP	P	05 41 44.5	-0.8				
KKN	comp=Z,9.0nm,0.5s,mb4.9									
DMN	Daman	48.88 307	eP	P	05 41 44.7	-1.1				
DMN	comp=Z,8.0nm,0.4s,mb4.9									
KLR	Kul'dur	47.98 4	eP	P	05 41 40.8	-5.4				
KOLN	Koldanda	49.16 306	eP	P	05 41 54.8	-0.8				
KOLN	comp=Z,28nm,0.5s,mb5.4									
KOLN	Koldanda	49.16 306	eP	P	05 41 54.8	-0.8				
KOLN	comp=Z,28nm,0.5s,mb5.5									
DANN	Dangsing	49.27 307	eP	P	05 41 55.5	-1.0				
DANN	comp=Z,43nm,0.7s,mb5.5									
DANN	Dangsing	49.27 307	eP	P	05 41 55.5	-1.0				
DANN	comp=Z,43nm,0.7s,mb5.5									
ULN	Ulanbaatar	49.55 342	eP	P	05 41 59.1	+1.0				
ULN	comp=Z,30nm,1.1s,mb5.1									
ULN	Ulanbaatar	49.55 342	eP	P	05 41 59.1	+1.0				
ULN	comp=Z,30nm,1.1s,mb5.1									
ULN	Ulanbaatar	49.55 342	eP	P	05 41 59.2	+1.0				
ULN	comp=Z,538nm,comp=Z,28nm,1.8s,mb4.9									
ULN	Ulanbaatar	49.55 342	eP	P	05 41 59.7	+1.6				
SOMM	Songino Array	49.72 342	P	P	05 42 00.1	+0.6				
SOMM	comp=Z,8.7nm,0.8s,mb4.8,baz=159,slow=7.3,SNR=68									
SOMM	Dangsing	49.27 307	eP	P	05 43 20.7	+1.1				
SOMM	comp=Z,3.7nm,0.6s,baz=165,slow=4.4,SNR=8.5									
SOMM	Songino Array	49.72 342	P	P	05 42 00.1	+0.6				
SOMM	comp=Z,2.6nm,0.9s,baz=156,slow=4.4,SNR=8.5									
SOMM	Songino Array	49.72 342	P	P	05 42 00.1	+0.6				
SOMM	comp=Z,43nm,0.7s,mb5.5									
HYB	Zakabansk	50.291 292	iP	P	05 42 02.0	-1.7				
ZAK	Hyderabad	52.94 341	eP	P	05 42 24.8	+1.3				
ZAK	comp=Z,6.0nm,1.4s,mb4.4		pmax	pmax	05 43 31.7					
ZAK	comp=Z,8.0nm,0.9s,mb5.0		pmax	pmax						
MSVF	Nonsavu	53.70 113	eP	P	05 42 31.4	+1.8				
MSVF	comp=Z,16nm,0.9s,mb5.1		pmax	pmax						
MSVF	Nonsavu	53.70 113	eP	P	05 42 31.4	+1.8				
MSVF	comp=Z,16nm,0.9s,mb5.0		pmax	pmax						
MSVF	Talaya	53.96 342	eP	P	05 42 40.2	+9.3				
MSVF	comp=Z,13nm,1.2s,mb4.8		MLR	MLR	05 44 27.4					
MOY	Mondy	54.79 340	eP	P	05 42 39.5	+2.5				
MOY	comp=Z,28nm,2.2s,mb4.9		pmax	pmax						
WMQ	Urumqi	54.90 326	P	P	05 42 38.9	+1.0				
WMQ			pP	pP	05 42 58.0	+1.2				
WMQ			sP	sP	05 43 06.7	+1.6				
WMQ			PP	PP	05 44 44.0	+2.4				
WMQ			S	S	05 50 12.8	-1.1				
WMQ	comp=Z,31nm,1.2s,mb5.2		pmax	pmax						
WMQ	comp=Z,250nm,5.2s		pmax	pmax						
HVS	Khovd-Aksty	57.09 336d	iP	P	05 42 54.3	+0.9				

HVS	comp=Z,144nm,1.3s,mb5.8		pmax	pmax						
BOD	Bodaibo	57.35 352	eP	P	05 42 54.7	-0.4				
BOD	comp=Z,6.0nm,1.7s,mb4.3		pmax	pmax						
PETK	Petropavlovsk-	57.64 21	P	P	05 42 56.9	-0.4				
PETK	comp=Z,8.2nm,0.5s,mb5.0,baz=190,slow=5.4,SNR=24									
PETK	Petropavlovsk-	57.64 21	P	P	05 42 56.9	-0.4				
PETK	comp=Z,4.5nm,0.6s,baz=245,slow=9.2,SNR=4.0									
PETK	Petropavlovsk-	57.64 21	P	P	05 43 50.0	+0.4				
PETK	comp=Z,4.5nm,0.6s,baz=245,slow=9.2,SNR=4.0									
PETK	Petropavlovsk-	57.64 21	P	P	05 43 50.0	+0.4				
PETK	comp=Z,4.5nm,0.6s,baz=245,slow=9.2,SNR=4.0									
PET	Petropavlovsk-	57.93 22	eP	P	05 42 57.3	-2.0				
PET	comp=Z,11nm,1.2s,mb4.8		eS	S	05 50 50.1	-3.5				
PET	comp=Z,11nm,1.2s,mb4.8		pmax	pmax						
PET	comp=Z,100nm,19.0s		MLR	MLR						
RPZ	Rata Peaks	59.61 144	P	P	05 43 12.0	+0.9				
RPZ	comp=Z,22nm,0.7s,mb5.3,baz=180,slow=1.6,SNR=7.9									
RPZ	Rata Peaks	59.61 144	eP	P	05 43 10.6	-0.5				
RPZ	comp=Z,27nm,0.8s,mb5.3									
MK31	Makanchi Array	59.73 326	eP	P	05 43 12.2	+0.3				
MK31	Makanchi Array	59.73 326	eP	P	05 43 12.0	+0.1				
MK31	comp=Z,22nm,0.8s,mb5.2		pmax	pmax						
MKAR	Makanchi Array	59.73 326	P	P	05 43 12.2	+0.3				
MKAR	comp=Z,9.5nm,0.6s,mb5.0,baz=121,slow=9.0,SNR=82									
MKAR	comp=Z,10.0nm,0.8s,mb5.2,baz=119,slow=6.2,SNR=5.0									
MKAR	Makanchi Array	59.73 326	P	P	05 43 12.2	+0.3				
MKAR	comp=Z,2.5nm,0.7s,baz=120,slow=5.0,SNR=7.4									
MKAR	Makanchi Array	59.73 326	P	P	05 43 12.2	+0.3				
MKAR	comp=Z,2.5nm,0.7s,baz=120,slow=5.0,SNR=7.4									
MKAR	Makanchi Array	59.73 326	P	P	05 43 12.2	+0.3				
MKAR	comp=Z,2.5nm,0.7s,baz=120,slow=5.0,SNR=7.4									
MKAR	Makanchi Array	59.73 326	P	P	05 43 12.2	+0.3				
MKAR	comp=Z,2.5nm,0.7s,baz=120,slow=5.0,SNR=7.4									
MKAR	Makanchi Array	59.73 326	P	P	05 43 12.2	+0.3				
MKAR	comp=Z,2.5nm,0.7s,baz=120,slow=5.0,SNR=7.4									
MKAR	Makanchi Array	59.73 326	P	P	05 43 12.2	+0.3				
MKAR	comp=Z,2.5nm,0.7s,baz=120,slow=5.0,SNR=7.4									
MKAR	Makanchi Array	59.73 326	P	P	05 43 12.2	+0.3				
MKAR										









9d 6h

Table with columns for station name, frequency, power, and other technical details. Includes stations like KBS, EPF, GRR, XAL, STNC, etc.

2008 DEC

Table with columns for station name, frequency, power, and other technical details. Includes stations like EVO, PMTO, PBEJ, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like FORT, SML, SML, etc.



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

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

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

BUI 09 06:23:57.5, 30°51'S, 176°37'W, h12km, mb6.9/31, mb6.1/56, Ms6.6/70, Ms7.6/46/2

IDC 09 06:23:57.4, 0.3, 30°30'S, 176°86'W, h0km, mb5.9/31, mb1.5/8/31, mb1mx5.8/31, mbtmp5.8/31, MS6.6/21, Ms1.6/6/21, ms1mx5.5/29, Error ellipse: s-maj=14.0km s-min=11.6km az=17.0

ISCJB 09 06:23:59.2, 0.1, 31°31'S, 0°02'17.6'W, h25km, mb6.2/279, MS6.7/238, Error ellipse: s-maj=3.7km s-min=1.6km az=44.0

NEIC 09 06:23:59.8, 0.1, 31°23'S, 176°92'W, h18km, mb6.2/170, Mc6.6, MS6.7/159, MW6.8, MW6.6, Error ellipse: s-maj=5.4km s-min=124.0 Moment Tensor Solution: s57, Moment tensor: Scale 1018Nm; Mr=-9.97; Mw=2.36; Ms=7.61; Mv=0.25; Mw=1.14; Mw=0.38; Best double couple: M9.10000e+10, NP1=167.00000e+0, s46.00000e+0, s-1.91.00000e+0. NP2=349.00000e+0, s44.00000e+0, s-89.00000e+0. Principal axes: T 7.8600, Plg1.0000e+0, Azm258.0000e+0; N 2.1300, Plg0.0000e+0, Azm168.0000e+0; P -9.9800, Plg88.0000e+0, Azm48.0000e+0; Depth from synthetics of broadband displacement seismograms. Energy computed from CMT mechanism.

MOS 09 06:24:00.9, 0.9, 30°88'S, 176°95'W, h26km, mb6.4/71, MS6.6/22, Error ellipse: s-maj=6.5km s-min=6.3km az=87.2

GCMT 09 06:24:02.0, 0.0, 31°03'S, 176°54'W, h19km, MW6.7, Moment Tensor Solution: s117, c278; s99, c256; Moment tensor: Scale 1019Nm; Mr=-1.29e+01; Mw=0.23e+01; Ms=1.52e+01; Mv=0.19e+01; Mw=0.08; Mw=0.35e+01; Best double couple: M61.50000e+10, NP1=174.00000e+0, s38.00000e+0, s-104.00000e+0. NP2=11.00000e+0, s53.00000e+0, s-79.00000e+0. Principal axes: T 1.5700, Plg7.0000e+0, Azm93.0000e+0; N -0.2100, Plg8.0000e+0, Azm184.0000e+0; P -1.3600, Plg79.0000e+0, Azm233.0000e+0. Data Used: II U-T NIC G. LP body wave period 50 sec. Mantle waves from 110 sta. Surface waves: sta=121, comp=50.

DJA 09 06:24:11.3, 0.9, 30°55'S, 177°00'W, h102km, MW6.7/72, ISC 09 06:24:01.0, 0.1, 31°27'S, 0°02'17.6'W, h26km, h26km, 2.4km, p-P, n2212, c095/1149, mb6.2/278, MS6.7/238, 236C-275D, Kermadec Islands region

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

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

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

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Table with columns for station name, frequency, power, and other technical details. Includes stations like Port Moresby, Alice Springs, Warramunga Arr, and various international stations like Narrogin (SRO), Kipapa, and many others.







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G15A	Dillon	baz=96,SNR=13	95.91	40	↑P	P	06 37 25.0	-0.1
C12B	Naegel Ranch,	baz=96,SNR=34	95.96	37	↑P	P	06 37 24.8	-0.5
T25A	Trinidad	baz=96,SNR=17	95.97	50	↑P	P	06 37 25.0	-0.6
DLMT	Dillon	comp=Z,55nm,1.1s,mb5.6	95.97	40	eP	P	06 37 25.8	+0.3
IMW	Indian Meadow	comp=Z,68nm,1.3s,mb5.9	95.98	42	eP	P	06 37 25.5	0.0
U26A	Atchley Ranch,	baz=96,SNR=15	95.99	51	↑P	P	06 37 24.8	-0.9
LOHW	Long Hollow	comp=Z,31nm,0.9s,mb5.7	96.00	42	eP	P	06 37 25.9	+0.2
MOOW	Moose Ponds	comp=Z,202nm,1.9s,mb2.2	96.00	42	eP	P	06 37 25.8	+0.3
PD01	Pinedale Array	baz=96,SNR=16	96.03	43	eP	P	06 37 25.1	-0.8
BW06	Boulder Array	baz=96,SNR=16	96.03	43	eP	P	06 37 25.5	-0.5
BW06	Boulder Array	comp=Z,29nm,1.1s,mb5.6	96.03	43	eP	P	06 37 25.5	-0.5
BW06		comp=Z,53um,20.0s,MS7.0			LR	LR		
D13A	Huson	baz=96,SNR=14	96.08	38	↑P	P	06 37 25.3	-0.6
PDAR	Pinedale Array	comp=Z,7.4nm,0.7s,mb5.2,baz=201,slo=3.6,SNR=24	96.08	43	PP	P	06 37 25.5	-0.6
PDAR		comp=Z,6.7nm,1.1s,baz=233,slo=4.7,SNR=3.9			PKKP	PKKPbc	06 54 15.7	+1.4
PDAR		comp=Z,4.7nm,0.6s,baz=86,slo=2.5,SNR=16			PKPPKP	PKPPKP	07 02 21.9	
PDAR		comp=Z,1.1nm,1.0s,baz=99,slo=4.7,SNR=4.3			LR	LR	07 14 48.6	
PDAR	Pinedale Array	comp=Z,45um,19.3s,MS7.0,baz=239,slo=32	96.08	43	P	P	06 37 25.5	-0.5
PDAR					PP	PP	06 41 24.6	+5.2
PDAR					PKKP	PKKPbc	07 02 21.9	
PDAR					PKPPKP	PKPPKP	07 02 21.9	
J18A	Kendall Valley	baz=96,SNR=24	96.09	43	↑P	P	06 37 25.9	-0.1
PD02	Pinedale Array	baz=96,SNR=10	96.09	43	eP	P	06 37 25.2	-0.8
N21A	Black Mountain	baz=96,SNR=10	96.10	46	↑P	P	06 37 25.9	-0.2
M20A	Sweetwater, Wa	baz=96,SNR=12	96.13	45	↑P	P	06 37 26.1	-0.2
R24A	Sanders Place,	baz=96,SNR=9.6	96.14	49	↑P	P	06 37 25.8	-0.6
E14A	Clinton	baz=96,SNR=18	96.16	38	↑P	P	06 37 25.8	-0.4
M50A	Missoula	baz=96,SNR=16	96.18	38	↑P	P	06 37 26.2	-0.2
M50	Missoula	comp=Z,27nm,1.1s,mb5.6	96.18	38	eP	P	06 37 26.2	-0.1
M50		comp=Z,35um,19.0s,MS6.9			LR	LR		
I17A	Pilgrim Ck.	baz=96	96.20	42	↑P	P	06 37 26.3	-0.3
FLWY	Flagg Ranch	comp=Z,120nm,1.3s,mb2.2	96.23	42	eP	P	06 37 27.0	+0.4
S25A	Robets Cordova	baz=96,SNR=20	96.25	50	↑P	P	06 37 26.8	-0.2
QLMT	Earthquake Lak	baz=96,SNR=20	96.28	41	↑P	P	06 37 27.8	+0.9
H16A	Russell Place	baz=96,SNR=37	96.31	41	↑P	P	06 37 27.1	+0.1
G16A	Moss Hill, Enn	baz=96,SNR=20	96.32	40	↑P	P	06 37 26.9	-0.1
F15A	Butte	baz=96,SNR=11	96.33	39	↑P	P	06 37 26.7	-0.3
P23A	Jefferson	baz=96	96.34	48	↑P	P	06 37 27.3	0.0
LRM	Limekiln Ridge	baz=96,SNR=33	96.34	39	↑P	P	06 37 27.2	+0.2
L20A	Wamsutter	baz=96,SNR=33	96.35	44	↑P	P	06 37 26.8	-0.4
O22A	Kremmling	baz=96,SNR=15	96.35	47	↑P	P	06 37 26.9	-0.3
YFT	Old Faithful	comp=Z,62nm,1.2s,mb5.9	96.38	41	eP	P	06 37 29.1	+1.8
B12A	Libby	baz=97	96.40	36	↑P	P	06 37 26.9	-0.4
C13A	Hot Springs	baz=97	96.40	37	↑P	P	06 37 26.8	-0.6
BSMT	Bassoo Peak	baz=97,SNR=14	96.40	37	eP	P	06 37 27.1	-0.2
YMR	Madison River	comp=Z,304nm,1.7s,mb5.5	96.44	41	eP	P	06 37 28.1	+0.5
H17A	Grant Village	baz=97	96.49	41	↑P	P	06 37 27.6	-0.3
I18A	Diamond G Ranch	baz=97,SNR=11	96.50	42	↑P	P	06 37 27.4	-0.5
K19A	Absolon Red Bu	baz=97,SNR=10.0	96.54	43	↑P	P	06 37 26.8	-1.3
AMTX	Amarillo	baz=97	96.54	53	↑P	P	06 37 27.3	-1.0
AMTX	Amarillo	comp=Z,31um,20.0s,MS6.8	96.54	53	PFAKE	LR	06 37 40.0	+1.2
Q24A	Divide	baz=97	96.54	48	↑P	P	06 37 27.3	-0.9
D14A	Greenough	baz=97,SNR=14	96.58	38	↑P	P	06 37 27.2	-1.0
SWMT	Swartz Lake	baz=97,SNR=11	96.59	37	eP	P	06 37 28.0	-0.2
JTMT	Jette	baz=97,SNR=11	96.60	37	eP	P	06 37 29.4	+1.2
CHMT	Chamberlain Mo	baz=97,SNR=9.6	96.60	38	eP	P	06 37 27.8	-0.5
E15A	Deer Lodge	baz=97,SNR=9.6	96.62	39	↑P	P	06 37 27.9	-0.5
R25A	Fountain Ranch	baz=97	96.63	49	↑P	P	06 37 27.9	-0.7
YNR	Norris Junction	baz=97,SNR=14	96.63	41	eP	P	06 37 30.5	+2.1
A12A	Yaak River Ran	comp=Z,62nm,1.7s,mb5.2	96.67	36	↑P	P	06 37 28.1	-0.4
BOZ	Bozeman (W)	baz=97,SNR=36	96.68	40	↑P	P	06 37 28.3	-0.4
BOZ	Bozeman (W)	comp=Z,42nm,1.1s,mb5.8	96.68	40	eP	P	06 37 28.6	0.0
BOZ		comp=Z,26um,20.0s,MS6.7			LR	LR		
BOZ	Bozeman (W)	comp=Z,42nm,1.1s,mb5.8	96.68	40	eP	Pmax	06 37 28.7	+0.1
BOZ		comp=Z,42nm,1.1s,mb5.8			MLR	MLR		
J19A	Crowheart	baz=97,SNR=11	96.68	43	↑P	P	06 37 28.3	-0.4
SLMT	Seeley Lake	baz=97,SNR=11	96.68	38	eP	P	06 37 27.8	-0.8
LKWY	Lake	comp=Z,62nm,1.2s,mb5.9	96.70	41	eP	P	06 37 30.1	+1.4
LKWY	Lake	comp=Z,75um,20.0s,MS7.2	96.70	41	eP	LR		
LKWY	Lake	comp=Z,62nm,1.2s,mb5.9	96.70	41	eP	Pmax	06 37 30.1	+1.4
LKWY		comp=Z,62nm,1.2s,mb5.9			MLR	MLR		
M21A	Separation Pea	comp=Z,75um,20.0s,MS7.2	96.70	45	↑P	P	06 37 28.4	-0.5
SKAG	Skagway	baz=97,SNR=11	96.70	20	eP	P	06 37 30.2	+1.8
ISCO	Idaho Springs	comp=Z,96nm,1.5s,mb2.2	96.72	47	↑P	P	06 37 28.1	-0.9
ISCO	Idaho Springs	comp=Z,42nm,1.1s,mb5.8	96.72	47	eP	P	06 37 29.1	+0.1
ISCO	Idaho Springs	comp=Z,43um,20.0s,MS6.9	96.72	47	eP	Pmax	06 37 29.1	+0.1
ISCO		comp=Z,143nm,2.1s,mb6.0			LR	LR		
TRF	Thorofare Moun	comp=Z,43um,20.0s,MS6.9	96.73	42	eP	P	06 37 27.5	-0.9
K20A	Yellowstone Ra	comp=Z,77nm,1.0s,mb5.1	96.73	44	↑P	P	06 37 28.2	-0.8
TNA	Tin City	comp=Z,25nm,1.0s,mb5.6	96.76	4	eP	P	06 37 28.2	-0.3
F16A	Kennard Place,	baz=97,SNR=13	96.77	40	↑P	P	06 37 28.9	-0.1
O23A	Lake Granby, G	baz=97,SNR=15	96.77	47	↑P	P	06 37 29.7	+0.5
N22A	Wattenberg Ran	baz=97,SNR=6.5	96.78	46	↑P	P	06 37 28.7	-0.5
TGUH	Teguicigalpa,Un	comp=Z,93nm,1.4s,mb6.0	96.81	78	eP	P	06 37 31.6	+1.6
TGUH		comp=Z,30um,20.0s,MS6.8			LR	LR		
RWWY	Rawlins	comp=Z,89nm,1.3s,mb6.0	96.84	45	eP	P	06 37 30.0	+0.5

JTS	JuntasAbangare	96.87	82	eP	P	06 37 32.9	+2.6	
JTS		comp=Z,222nm,1.5s,mb6.4			LR	LR		
JTS	JuntasAbangare	96.87	82	eP	P	06 37 32.9	+2.6	
JTS		comp=Z,222nm,1.5s			Pmax	Pmax		
JTS		comp=Z,26um,19.0s			MLR	MLR		
C14A	Sw Lake	baz=97	96.89	37	↑P	P	06 37 29.2	-0.3
LPAZ	La Paz	comp=Z,17nm,0.9s,mb5.5,baz=242,slo=2.9,SNR=36	96.89	114	↑P	P	06 37 32.1	+1.7
LPAZ		comp=Z,1.9nm,0.8s,baz=40,slo=4.6,SNR=3.8			LR	LR	06 54 13.8	+3.1
LPAZ	La Paz	comp=Z,18um,20.4s,MS6.5,baz=223,slo=3.1	96.89	114	eP	P	06 37 32.2	+1.8
LPAZ	La Paz	comp=Z,49nm,0.9s,mb5.9	96.89	114	eP	P	06 37 32.1	+1.7
LPAZ		comp=Z,17nm,0.9s			PKKP	PKKPbc	06 54 13.8	+3.1
LPAZ					Pmax	Pmax		
L21A	Rawlins	baz=97,SNR=9.1	96.90	45	↑P	P	06 37 29.8	0.0
B13A	Whitefish	baz=97	96.91	37	↑P	P	06 37 29.0	-0.6
G17A	Pierce Place,	baz=97	96.97	41	↑P	P	06 37 29.8	-0.1
M22A	Cedar Creek Ra	baz=97	97.05	46	↑P	P	06 37 29.7	-0.7
D15A	Lincoln	baz=97,SNR=21	97.07	38	↑P	P	06 37 30.1	-0.2
Q25A	Bedland, Calha	baz=97	97.09	49	↑P	P	06 37 30.1	-0.5
N23A	Red Feather La	baz=97	97.15	46	↑P	P	06 37 30.5	-0.4
I19A	Meeteetse	baz=97,SNR=11	97.18	42	↑P	P	06 37 31.0	+0.1
H18A	Shoshone NF, C	baz=97,SNR=16	97.18	42	↑P	P	06 37 30.8	-0.2
E16A	Stacy Helena	baz=97,SNR=10	97.21	39	↑P	P	06 37 30.7	-0.3
MCK	McKinley	comp=Z,111nm,1.3s,mb6.1	97.23	12	eP	P	06 37 29.7	-1.0
MCK	McKinley	comp=Z,111nm,1.3s,mb6.1	97.23	12	eP	Pmax	06 37 29.7	-1.0
O24A	Longmont	baz=97	97.25	47	↑P	P	06 37 31.1	-0.3
R26A	Arlington	baz=97	97.26	49	↑P	P	06 37 31.1	-0.3
A13A	Flathead Natio	baz=97	97.29	36	↑P	P	06 37 31.1	-0.2
J20A	Shoshoni	baz=98,SNR=12	97.30	43	↑P	P	06 37 31.3	-0.2
OTAV	Otavalo	comp=Z,120nm,1.8s,mb6.0	97.31	94	eP	P	06 37 34.6	+2.3
OTAV		comp=Z,23um,19.0s,MS6.7			LR	LR		
K21A	Alcova	baz=98,SNR=16	97.37	44	↑P	P	06 37 31.4	-0.5
F17A	Fitzpatrick Pl	baz=98,SNR=12	97.37	40	↑P	P	06 37 32.1	-0.5
CD2	Chengdu	comp=Z,9um,19.2s,MS6.3	97.38	302	↑P	P	06 37 32.5	+0.3
CD2					pP	pP	06 37 40.3	+2.3
CD2					sP	sP	06 37 46.8	+3.1
CD2					SS	SS	06 41 31.7	+2.0
CD2					SKS	SKS	06 48 05.8	
CD2					SS	SS	06 48 50.1	-4.8
CD2					SS	SS	06 55 31.9	-2.5
CD2					Pmax	Pmax		
CD2					Pmax	Pmax		
CD2					LR	LR		
CD2					LR	LR		
CD2				</				



Table with columns for call sign, frequency, power, and other technical details. Includes entries like LZH, KXZ, and various other call signs.

Table with columns for call sign, frequency, power, and other technical details. Includes entries like ULN, INK, SONM, and various other call signs.

Table with columns for call sign, frequency, power, and other technical details. Includes entries like KMSC, NHSC, KOLN, and various other call signs.













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

Table with columns: Station, Frequency, Band, Mode, Power, and other technical details. Includes stations like AKTO, LSA, ZAAO, ZALV, etc.

Table with columns: Station, Frequency, Band, Mode, Power, and other technical details. Includes stations like FINES, MORC, ARCES, etc.

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

IDC 09 08:31:57.1.1.1, 15.41N-96.09E, h0km, mb4.0/6, mb1 4.0/7, mb1mx3.727, mbtmp3.9/7, ML4.3/1, Error ellipse: s-maj=26.5km s-min=17.0km az=58.0

ISCJB 09 08:31:59.9.1.0, 15.5N, 0.1:96.2E, 0.1, h33km, mb3.9/6, Error ellipse: s-maj=18.5km s-min=13.7km az=31.6

ISC 09 08:32:00.4.3.3, 15.6N, 0.1:96.2E, 0.1, h18km, 18km, n11, o=87/12, mb3.9/6, Near south coast of Myanmar

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BDT Bhumibol Dam, NST Nakhon Sawan, CMAR Chiang Mai Arr, etc.

IDC 09 08:43:36.3.1.8, 1.20N, 126.49E, h0km, mb3.6/4, mb1 3.8/4, mb1mx3.5/18, mbtmp3.6/4, Error ellipse: s-maj=180.5km s-min=21.3km az=66.0, Northern Molucca Sea

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

IDC 09 08:45:12.3.4.2, 23.99S, 67.33W, h211km, 30km, mb3.2/1, mb1 3.2/3, mb1mx3.1/15, mbtmp3.1/3, MS4.1/1, MS1 4.3/1, ms1mx4.1/5, Error ellipse: s-maj=58.4km s-min=24.3km az=53.0, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like LPAZ La Paz, LPAZ, CPUP Villa Florida, etc.

IDC 09 08:45:44.3.2.1, 53.83N, 90.93E, h0km, mb3.6/1, mb1 3.5/4, mb1mx3.3/29, mbtmp3.5/4, ML3.3/3, MS4.5/1, MS1 4.5/1, ms1mx3.3/50, Error ellipse: s-maj=22.2km s-min=19.2km az=135.0

NNC 09 08:45:47.2.2.7, 53.78N, 90.55E, h0km, mb4.0, mpv3.7, Error ellipse: s-maj=21.6km s-min=20.0km az=129.0

ISC 09 08:45:44.7.2.7, 53.81N, 0.1:90.9E, 0.2, h1km, 21km, n10, o=75/12, 5C-1D, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ZALV Zalesovo Beam, ZALV, ZALV, KURK Kurchatov, etc.

IDC 09 09:16:32.7.0.8, 31.09S, 176.70W, h0km, mb4.4/8, mb1 4.6/8, mb1mx4.4/17, mbtmp4.4/8, Error ellipse: s-maj=29.8km s-min=21.5km az=176.0

NEIC 09 09:16:34.3.2.7, 31.31S, 176.74W, h10km, mb4.7/1, Error ellipse: s-maj=29.8km s-min=17.2km az=151.0

ISCJB 09 09:16:36.8.0.7, 31.48S, 0.08:176.9W, 0.1, h33km, mb4.4/9, Error ellipse: s-maj=16.7km s-min=10.4km az=29.5

ISC 09 09:16:38.4.0.7, 31.38S, 0.09:176.8W, 0.1, h35km, n41, o=126/30, mb4.4/9, 1D, Kermadec Islands region

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

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

IDC 09 09:17:15.7.1.4, 51.33N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

NEIC 09 09:17:17.9.50.83N, 178.61E, h29km, ML3.5(AEIC), After AEIC

ISC 09 09:17:16.5.2.5, 51.4N, 0.2:178.42E, 0.06, h2km, 17km, n40, o=82/46, mb3.8/13, Rat Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GALAA Gareloi Lava P, GANE Gareloi North, GAEAE Gareloi East, etc.

IDC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

NEIC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

ISC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GALEA Gareloi Lava P, GANE Gareloi North, GAEAE Gareloi East, etc.

IDC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

NEIC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

ISC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

IDC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

NEIC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like LBMI Labuha, MNI Manado, MNI, KMSI Cibinong, etc.

ISCJB 09 09:21:13.9.2.5, 6.7N, 102.123:7E, 0.3, h670km, 40km, mb4.4/18, Error ellipse: s-maj=46.1km s-min=8.2km az=144.0

NEIC 09 09:21:13.8.2.8, 6.77N, 123:63E, h637km, 39km, mb4.6/3, Error ellipse: s-maj=41.9km s-min=6.4km az=50.0

IDC 09 09:21:14.3.1.4, 6.68N, 123:49E, h645km, 17km, mb3.3/11, mb1 3.5/11, mb1mx3.1/6, mbtmp3.3/11, Error ellipse: s-maj=39.5km s-min=8.1km az=61.0

ISC 09 09:21:15.1.2.3, 6.80N, 0.2:123.7E, 0.3, h658km, 38km, n50, o=15/52, mb4.4/18, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, etc.

IDC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

NEIC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

ISC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

IDC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

NEIC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

ISC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

IDC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

NEIC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

ISC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

IDC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

NEIC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

ISC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

IDC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

NEIC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

ISC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

IDC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

NEIC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

ISC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

IDC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

NEIC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

ISC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

IDC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

NEIC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

ISC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

IDC 09 09:23:10.1.3.5, 51.5N, 178.69E, h0km, mb3.8/13, mb1 4.0/15, mb1mx3.8/31, mbtmp3.9/15, ML3.8/2, Error ellipse: s-maj=40.8km s-min=12.8km az=4.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BOAC Boac, TAGY Tagaytay City, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Port Moresby, Honiara, Charters Tower, Warramunga Arr, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like GYA, MDJ, Beijing, Kunming, Chiang Mai Arr, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like BOD, BILL, HVS, WMQ, MKAR, ZALV, etc.







Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes data for Decanese Islands and various stations like Bodrum, Datca, Apeiranthos, Samos, etc.

IDC 09 11:21:59.4.2.31.435x:176:72W,h0km,mb3.7/2, mb1 4.3/5, mb1mx4.0/18, mbtmp3.4/15, ML4.0/2, MS3.7/1, Ms1 3.7/1, ms1mx3.1/11, Error ellipse: s-maj=62.8km s-min=33.3km az=114.0

NEIC 09 11:22:05.8.1.7.31.435x:176:61W,h10km,mb4.3/1, Error ellipse: s-maj=43.4km s-min=18.3km az=99.0

ISC 09 11:22:05.8.1.7.31.785x:099:176:3W,0.2,h82km,18km, n29,+193/41,mb4.1/4,Kermadec Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes data for Kermadec Islands region and various stations like Carnagh Station, Matawai, Urewera, etc.

IDC 09 11:34:48.8.3.3.31.49Sx:176:74W,h0km,mb3.7/2, mb1 4.0/4, mb1mx3.1/17, mbtmp3.9/4, ML3.4/2, Error ellipse: s-maj=78.1km s-min=35.1km az=114.0

Kermadec Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes data for Kermadec Islands region and various stations like Urewera, Warramunga Arr, etc.

MEX 09 11:38:05.4.0.8.17.22N:94:40W,h50km,10km,MD4.0, Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes data for Chiapas and various stations like Matias Romero, TGIG, etc.

ISCJB 09 11:51:09.6.2.4.51.96N:0:08:168:6W,0.1, h30km,18km, mb3.8/8, Error ellipse: s-maj=16.3km s-min=8.4km az=140.6

IDC 09 11:51:11.2.1.6.52:60N:168:95W,h0km,mb3.8/9,

mb1 3.9/11, mb1mx3.7/29, mbtmp3.8/11, ML3.2/2, Error ellipse: s-maj=40.0km s-min=15.4km az=168.0

NEIC 09 11:51:12.0.52:09N:168:63W,h9km,ML3.5(PMR), ML3.0(AEIC), After AEIC.

ISC 09 11:51:10.5.2.6.52:03N:0:07:168:6W,0.1,h19km,16km, n32,+076/35,mb3.8/8,Fox Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes data for Fox Islands and various stations like Nikolski, Okmok, etc.

NNC 09 11:51:37.4.7.3.36:54N:70:13E,h0km,mb4.5,mpv4.9, Error ellipse: s-maj=70.0km s-min=62.2km az=43.0

IDC 09 11:51:43.9.4.6.36:31N:70:88E,h170km,42km,mb3.8/14, mb1 3.9/18, mb1mx3.7/29, mbtmp3.8/18, Error ellipse: s-maj=20.1km s-min=12.7km az=15.0

B/J 09 11:51:45.3.36:53N:70:88E,h196km,mb4.6/8,mb4.4/15

MOS 09 11:51:45.5.0.3.36:51N:70:88E,h192km,mb4.5/8, Error ellipse: s-maj=10.8km s-min=5.4km az=90.7

ISCJB 09 11:51:45.2.0.3.36:50N:0:02:70:87E,0.04,h187km,3km, mb4.2/24, Error ellipse: s-maj=5.6km s-min=3.2km az=165.2

NEIC 09 11:51:46.5.0.6.36:50N:70:87E,h189km,6km,mb4.4/8, Error ellipse: s-maj=7.4km s-min=4.3km az=56.0

ISC 09 11:51:46.2.0.3.36:51N:0:02:70:89E,0.04,h182km,3km, h187km,4.2km; p-P,n162,+1508/194,mb4.2/24,10c-13D,

Hindu Kush region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes data for Hindu Kush region and various stations like Kabul, Cherat, etc.

ISC 09 11:51:46.2.0.3.36:51N:0:02:70:89E,0.04,h182km,3km, h187km,4.2km; p-P,n162,+1508/194,mb4.2/24,10c-13D,

Hindu Kush region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes data for Hindu Kush region and various stations like Karatay Array, etc.

ISCJB 09 11:51:09.6.2.4.51.96N:0:08:168:6W,0.1, h30km,18km, mb3.8/8, Error ellipse: s-maj=16.3km s-min=8.4km az=140.6

IDC 09 11:51:11.2.1.6.52:60N:168:95W,h0km,mb3.8/9,

Table with columns: SMLA, Station Name, Azimuth, Phase ID, Time, Res. Includes data for Simla, Dehra Dun, Khetri, etc.





9d 12h

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, ISC. Lists stations like ITM, PYL, GUR, LIT, etc.

ISC/B 09 12:57:16.2,0.2,30.23N,0.03,-67.56E,0.02,h10km, mb4.8/101,MS4.2/40, Error ellipse: s-maj=4.1km s-min=2.4km az=6.4

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

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, ISC. Lists stations like AYAN, NDI, DDI, etc.

2008 DEC

Main table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, ISC. Lists stations like EKS2, AAK, AAK, etc.

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





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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TBI Tubuai, RPZ Rata Peaks, PPT Papeete, etc.

ISC 09 13:48:13.2±8.5, 30'435×177.19W, h0km, mb3.2/2, mb1 3.4/2, mb1mx3.4/15, mbtmp3.2/2, Error ellipse: s-maj=362.4km s-min=60.3km az=155.0, Kermadec Islands

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

ISC 09 13:56:06.2±11.0, 18'04S:174.86W, h193km, 97km, mb3.6/6, mb1 3.9/6, mb1mx3.6/6/16, mbtmp3.6/6, Error ellipse: s-maj=66.3km s-min=24.8km az=136.0

ISC 09 13:56:09.9±9.9, 18: 12S: 174.93W, h229km, 27km, mb3.6/2, Error ellipse: s-maj=62.0km s-min=15.9km az=138.0

ISC 09 13:56:10.6±4.8, 18:05:0.4-175:00W, 0.4, h24km, 33km, mb3.6/6, Error ellipse: s-maj=86.4km s-min=22.7km az=138.3

ISC 09 13:56:10.9±4.8, 18:05:0.4-175:00W, 0.4, h236km, 33km, n24, c0568/16, mb3.6/6, Tonga Islands

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

ISC 09 14:04:57.7, 40'20N:41'95E, h10km, MD2.6

ISC 09 14:04:58.6, 0.5, 40'12N:0'03:41'96E:0.04, h5km, 6km, Error ellipse: s-maj=5.6km s-min=4.6km az=150.7

CSEM 09 14:04:58.0, 0.3, 40'11N:41'93E, h10km, MD2.9, Error ellipse: s-maj=6.0km s-min=5.7km az=38.0

DDA 09 14:04:58.1, 40'09N:41'96E, h10km, 1km, MD2.9

ISC 09 14:04:59.0, 0.5, 40'11N:0'03:41'95E:0.04, h11km, 5km, n21, c1915/34, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HOMI Horasan, ERZM Erzurum, ERZM Erzurum, etc.

MEX 09 14:08:16.6±0.5, 16'60N-99'72W, h5km, 3km, MD3.5, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ACX Acapulco, CAIG El Cayaco, PNIG Pinotepa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 09 14:08:49.6±5.0, 31'00S:176.72W, h0km, mb3.9/3, etc.

KRSC 09 14:12:28.8±0.3, 54'23N:161'89E, h27km, 17km, ML3.8, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MKZ Mys Kozlova, KIL Karymskiy, TUMR Tumrok, etc.

ISC 09 14:38:57.8±0.8, 55:05:0.2-127:3W:0.3, h10km, mb4.0/6, MS3.6/6, Error ellipse: s-maj=33.3km s-min=22.0km az=145.1

IDC 09 14:38:57.8±0.8, 54'96S:127'25W, h0km, mb3.9/6, mb1 4.2/6, mb1mx4.0/14, mbtmp3.9/6, MS3.6/6, Ms1 3.6/6, ms1mx3.5/25, Error ellipse: s-maj=37.2km s-min=26.2km az=147.0

NEIC 09 14:38:59.2±0.5, 54'97S:127'28W, h10km, mb4.6/2, Error ellipse: s-maj=22.5km s-min=15.7km az=145.0

ISC 09 14:38:59.6±0.8, 54:9S:0.2-127:4W:0.3, h10km, n29, c049/13, mb4.0/6, MS3.6/6, Pacific-Antarctic Ridge

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

ISC 09 14:48:16.1±0.9, 8:41S:129:39E, h0km, mb3.9/9, mb1 4.2/13, mb1mx4.1/18, mbtmp4.0/13, ML4.0/3, MS3.9/5, Ms1 3.9/5, ms1mx3.3/34, Error ellipse: s-maj=30.7km s-min=18.0km az=64.0

ISC 09 14:56:16.1±0.9, 8:66S:0:04:129:35E:0:07, h47km, 10km, mb4.2/15, MS4.1/2, Error ellipse: s-maj=11.7km s-min=6.3km az=169.1

NEIC 09 14:56:17.5±0.3, 8:58S:129:37E, h40km, mb4.5/7, Error ellipse: s-maj=10.5km s-min=5.9km az=64.0

DJA 09 14:56:19.8±62S:128'62E, h30km, MLV4.2/6

ISC 09 14:56:18.4±0.7, 8:68S:0:04:129:43E:0:07, h55km, 9km, n58, c0598/59, mb4.2/15, MS4.1/2, Timor Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AAI Ambon, MSAI, NLAI Namia, LBMI Labuha, etc.

ISC 09 14:56:18.4±0.7, 8:68S:0:04:129:43E:0:07, h55km, 9km, n58, c0598/59, mb4.2/15, MS4.1/2, Timor Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, etc.





KTUT	Trabzon	19.38 321	eP	Pn	15 13 52.5 +0.5
ATD	Arta Tunnel	19.51 221	P	Pn	15 13 55.0 +1.4
	comp=Z,1.8nm,0.3s,baz=359,slow=11,SNR=12				
ATD	Arta Tunnel	19.51 221	P	LR	15 21 54.6
ATD	Arta Tunnel	19.51 221	P	Pn	15 13 55.0 +1.4
AND	Andirin	19.64 308	iP	Pn	15 13 55.9 +0.9
CEYT	Ceyhan	19.81 306	eP	Pn	15 13 51.8 -5.3
SUSE	Susehri	19.81 317	iP	Pn	15 13 48.5 -8.6
ESPY	Espiye-Giresun	19.93 319	eP	Pn	15 13 59.0 +0.5
KOZT	Kozan	19.96 307	eP	Pn	15 14 01.1 +2.3
PINB	Pinarbasi	20.12 311	iP	P	15 13 58.1 -0.9
KIV	Kislovodsk	20.14 332	eP	P	15 14 00.5 +1.4
KIV	Kislovodsk	20.14 332	iP	P	15 14 00.8 +1.8
KIV	Kislovodsk	20.14 332	eS	S	15 17 41.2 -3.9
	comp=Z,352nm,0.9s				
KIV	Kislovodsk	20.14 332	eP	P	15 14 00.0 +1.0
	comp=Z,119nm,12.0s,MS3.5				
KIV	Kislovodsk	20.14 332	eP	P	15 14 00.5 +1.5
	comp=Z,2um,1.0s,SNR=43				
KK31	Karatay Array	20.17 33	iP	P	15 13 58.3 -1.1
KK31	Karatay Array	20.17 33	iP	P	15 13 58.3 -1.1
	comp=Z,12nm,0.6s				
KKAR	Karatay Array	20.17 33	eP	P	15 13 58.0 -1.4
	comp=Z,10nm,0.6s				
KKAR	Karatay Array	20.17 33	eP	P	15 13 58.0 -1.4
	comp=Z,10.0nm,0.6s				
KKAR	Karatay Array	20.17 33	eP	P	15 13 58.0 -1.4
	comp=Z,10nm,0.6s				
GRSN	GRESUNGGRN	20.21 319	iP	P	15 13 58.1 -1.8
SCER	sogucemermik	20.28 315	iP	P	15 13 57.0 -3.5
RSBY	Resadye-TOKAT	20.46 316	eP	P	15 14 03.2 +0.6
RSBY	Resadye-TOKAT	20.46 316	eP	P	15 14 03.2 +0.6
BNN	Bunyan	20.59 311	eP	P	15 14 02.5 -1.5
BNN	Bunyan	20.59 311	eP	P	15 14 02.5 -1.5
CSS	Prodromos	20.91 298	eP	P	15 14 09.1 +1.5
	comp=Z,223nm,1.4s				
CSS	Prodromos	20.91 298	eP	P	15 14 09.1 +1.5
	comp=Z,223nm,1.4s				
TOKA	Tokat	20.95 315	iP	P	15 14 03.4 -4.5
ERBA	Erbaa	20.98 316	iP	P	15 14 04.5 -3.8
KSH	Kish	21.03 48	eP	P	15 14 00.0 +8.0
KSH	Kish	21.03 48	eP	P	15 14 00.0 +8.0
	comp=Z,49nm,0.7s,mb5.0				
KSH	Kish	21.03 48	eP	P	15 14 00.0 +8.0
	comp=Z,330nm,5.8s				
KSH	Kish	21.03 48	eP	P	15 14 00.0 +8.0
	comp=N,1um,9.1s				
KSH	Kish	21.03 48	eP	P	15 14 00.0 +8.0
	comp=E,830nm,12.4s				
AML	Almayashu	21.16 39	P	P	15 14 09.1 -1.0
	SNR=24				
AML	Almayashu	21.16 39	P	P	15 14 09.1 -1.0
	SNR=24				
SOC	Sochi	21.23 326	eP	P	15 14 09.7 -1.1
SOC	Sochi	21.23 326	eP	P	15 14 09.7 -1.1
	comp=Z,623nm,11.0s,MS4.3				
SOC	Sochi	21.23 326	eP	P	15 14 09.7 -1.1
	comp=Z,183nm,0.9s,mb5.4				
AVNT	Avonos	21.23 309	iP	P	15 14 10.9 -0.1
AVNT	Avonos	21.23 309	iP	P	15 14 10.9 -0.1
EKS2	Erkin-Say	21.55 38	eP	P	15 14 13.9 -0.5
	SNR=29				
EKS2	Erkin-Say	21.55 38	eP	P	15 14 13.9 -0.5
	SNR=29				
EKS2	Erkin-Say	21.55 38	eP	P	15 14 13.6 -0.8
	comp=Z,1.0nm,1.0s,mb5.0				
EKS2	Erkin-Say	21.55 38	eP	P	15 14 13.6 -0.8
	comp=Z,66nm,1.0s,mb5.0				
EKS2	Erkin-Say	21.55 38	eP	P	15 14 13.6 -0.8
	comp=Z,66nm,1.0s,mb5.0				
SULT	Sultanhani-AKS	21.92 307	eP	P	15 14 21.5 +3.1
SULT	Sultanhani-AKS	21.92 307	eP	P	15 14 21.5 +3.1
AAK	Ala-Archa	21.93 39	eP	P	15 14 22.5 +4.0
	SNR=21				
AAK	Ala-Archa	21.93 39	eP	P	15 14 22.5 +4.0
	SNR=21				
AAK	Ala-Archa	21.93 39	eP	P	15 14 18.0 -0.5
	comp=Z,152nm,0.7s,mb5.3,SNR=9.8				
AAK	Ala-Archa	21.93 39	eP	P	15 14 17.7 -0.8
	comp=Z,180nm,1.0s,mb5.5				
AAK	Ala-Archa	21.93 39	eP	P	15 14 17.7 -0.8
	comp=Z,180nm,1.0s,mb5.5				
AAK	Ala-Archa	21.93 39	eP	P	15 14 18.9 +0.4
	comp=Z,3um,comp=Z,17.1nm,2.0s,mb5.1				
AAK	Ala-Archa	21.93 39	eP	P	15 14 19.6 +1.1
	SNR=36				
AAK	Ala-Archa	21.93 39	eP	P	15 14 17.7 -0.8
	comp=Z,180nm,1.0s,mb5.5				
NGP	Nagpur	21.94 100	ePKP	P	15 14 21.4 +2.7
NGP	Nagpur	21.94 100	ePKP	P	15 14 21.4 +2.7
KZA	Kyzart	22.02 41	P	P	15 14 22.9 +3.5
	SNR=28				
KZA	Kyzart	22.02 41	P	P	15 14 22.9 +3.5
	SNR=28				
CORM	Corum	22.07 312	eP	P	15 14 21.5 +1.5
CORM	Corum	22.07 312	eP	P	15 14 21.5 +1.5
FRU	Bishkek	22.13 39	eP	P	15 14 24.0 +3.4
FRU	Bishkek	22.13 39	eP	P	15 14 24.0 +3.4
	comp=Z,100nm,2.0s,mb4.9				
CTKT	Corum	22.19 314	iP	P	15 14 22.6 +1.3
CTKT	Corum	22.19 314	iP	P	15 14 22.6 +1.3
HDMB	Hadim	22.20 303	eP	P	15 14 26.6 +5.3
KBK	Karagaybulak	22.20 303	eP	P	15 14 21.7 +0.3
	SNR=19				
KBK	Karagaybulak	22.20 303	eP	P	15 14 21.7 +0.3
	SNR=19				
CHMS	Chumysh	22.31 39	P	P	15 14 27.7 +5.1
	SNR=7.5				
CHMS	Chumysh	22.31 39	P	P	15 14 27.7 +5.1
	SNR=7.5				
USP	Ospenovka	22.35 38	P	P	15 14 24.4 +1.5
	SNR=16				
USP	Ospenovka	22.35 38	P	P	15 14 24.4 +1.5
	SNR=16				
BR131	Keskin Array S	22.51 310	eP	P	15 14 24.5 -0.1
	comp=Z,34nm,0.7s,mb4.9				
BR131	Keskin Array S	22.51 310	eP	P	15 14 24.5 -0.1
	comp=Z,34nm,0.7s,mb4.9				
BRTR	Keskin Array B	22.51 310	P	P	15 14 25.2 +0.6
	comp=Z,20nm,0.8s,mb4.9,slow=13,SNR=35				
BRTR	Keskin Array B	22.51 310	P	P	15 14 25.2 +0.6
	comp=Z,20nm,0.8s,mb4.9,slow=13,SNR=35				
BRTR	Keskin Array B	22.51 310	P	P	15 14 25.2 +0.6
	comp=Z,20nm,0.8s,mb4.9,slow=13,SNR=35				
BRTR	Keskin Array B	22.51 310	P	P	15 14 25.2 +0.6
	comp=Z,20nm,0.8s,mb4.9,slow=13,SNR=35				
BOYT	Boybat	22.55 316	iP	P	15 14 20.5 -4.6
AB31	Akbulak array	22.63 7	P	P	15 14 24.4 -1.4
	comp=Z,93nm,1.2s,mb5.1				
AB31	Akbulak array	22.63 7	P	P	15 14 24.4 -1.4
	comp=Z,93nm,1.2s,mb5.1				
ABKAR	Akbulak array	22.63 7	eP	P	15 14 23.9 -2.0
	comp=Z,27nm,0.8s,mb4.7				
ABKAR	Akbulak array	22.63 7	eP	P	15 14 23.9 -2.0
	comp=Z,27nm,0.8s,mb4.7				
KONT	Konya-Tatoy	22.65 305	eP	P	15 14 27.7 +1.5
KONT	Konya-Tatoy	22.65 305	eP	P	15 14 27.7 +1.5
TKM2	Tokmak 2	22.74 40	eP	P	15 14 28.5 +1.4
	SNR=11				
TKM2	Tokmak 2	22.74 40	eP	P	15 14 28.5 +1.4
	SNR=11				
TKM2	Tokmak 2	22.74 40	eP	P	15 14 26.0 -1.0
	comp=Z,56nm,1.4s,mb4.8				
TKM2	Tokmak 2	22.74 40	eP	P	15 14 26.0 -1.0
	comp=Z,56nm,1.4s,mb4.8				

TKM2	Tokmak 2	22.74 40	eP	P	15 14 26.0 -1.1
	comp=Z,56nm,1.4s,mb4.8				
LADK	Ladik-KONYA	22.75 306	eP	P	15 14 30.1 +2.9
LADK	Ladik-KONYA	22.75 306	eP	P	15 14 30.1 +2.9
AFAR	AFAR-Bala (A	22.77 309	eP	P	15 14 30.4 +3.0
AFAR	AFAR-Bala (A	22.77 309	eP	P	15 14 30.4 +3.0
BBAL	Bala	22.78 310	iP	P	15 14 30.1 +2.6
BBAL	Bala	22.78 310	iP	P	15 14 30.1 +2.6
TOS	Tosya	22.91 314	eP	P	15 14 30.1 +1.3
TOS	Tosya	22.91 314	eP	P	15 14 30.1 +1.3
CANT	Canikiri	22.95 312	eP	P	15 14 27.0 -2.3
HYB	Hyderabad	23.00 109	iP	P	15 14 32.0 +1.9
LOD	Lodumlu	23.18 310	eP	P	15 14 31.1 -0.6
LON	Lodumlu	23.18 310	eP	P	15 14 31.1 -0.6
ANN	Anapada	23.24 325	eP	P	15 14 27.8 -4.6
ANN	Anapada	23.24 325	eP	P	15 14 27.8 -4.6
ANN	Anapada	23.24 325	eP	P	15 14 27.8 -4.6
ANN	Anapada	23.24 325	eP	P	15 14 27.8 -4.6
	comp=Z,53nm,1.1s,mb4.9				
KIZT	Kizilcal	23.37 307	eP	P	15 14 33.9 +0.2
KIZT	Kizilcal	23.37 307	eP	P	15 14 33.9 +0.2
BALT	Baday	23.57 314	iP	P	15 14 37.6 +1.7
BALT	Baday	23.57 314	iP	P	15 14 37.6 +1.7
AKTO	Akt'yubinsk	23.64 3	P	P	15 14 35.7 -0.7
	comp=Z,13nm,0.6s,mb4.5,baz=184,slow=9.4,SNR=46				
AKTO	Akt'yubinsk	23.64 3	P	P	15 14 35.7 -0.7
	comp=Z,942nm,18.9s,MS4.3,baz=184,slow=9.4,SNR=46				
AKTO	Akt'yubinsk	23.64 3	P	P	15 14 35.7 -0.7
	comp=Z,942nm,18.9s,MS4.3,baz=184,slow=9.4,SNR=46				
AKTO	Akt'yubinsk	23.64 3	P	P	15 14 35.7 -0.7
	comp=Z,942nm,18.9s,MS4.3,baz=184,slow=9.4,SNR=46				
SVRH	Sivrihisar-ESK	23.85 308	eP	P	15 14 37.0 -1.4
SVRH	Sivrihisar-ESK	23.85 308	eP	P	15 14 37.0 -1.4
SAFT	Safranbolu	23.88 313	eP	P	15 14 35.6 -3.0
FURI	Furi	24.11 225	iP	P	15 14 45.3 +4.3
KOLN	Koldanda	24.68 81	eP	P	15 14 48.6 +2.5
	comp=Z,29nm,0.8s,mb4.9				
KOLN	Koldanda	24.68 81	eP	P	15 14 48.6 +2.5
	comp=Z,29nm,0.8s,mb4.9				
DANN	Dangsing	24.79 80	eP	P	15 14 48.8 +1.8
DANN	Dangsing	24.79 80	eP	P	15 14 48.8 +1.8
DANN	Dangsing	24.79 80	eP	P	15 14 48.8 +1.8
	comp=Z,134nm,0.9s,mb5.5				
DANN	Dangsing	24.79 80	eP	P	15 14 48.8 +1.8
	comp=Z,134nm,0.9s,mb5.5				
SIM	Simferopol'	25.11 322	eP	P	15 14 49.9 +0.1
SIM	Simferopol'	25.11 322	eP	P	15 14 49.9 +0.1
	comp=Z,41nm,0.8s,mb5.0				
GKN	Gorkha	25.58 81	eP	P	15 14 55.4 +1.1
	comp=Z,11nm,1.2s,mb5.3				
GKN	Gorkha	25.58 81	eP	P	15 14 55.4 +1.1
	comp=Z,71nm,1.2s,mb5.3				
GKN	Gorkha	25.58 81	eP	P	15 14 55.4 +1.1
	comp=Z,71nm,1.2s,mb5.3				
SARR	Saratov	25.81 345	eP	P	15 14 55.6 -0.5
SARR	Saratov	25.81 345	eP	P	15 14 55.6 -0.5
	comp=Z,51nm,0.5s,mb5.3				
SARR	Saratov	25.81 345	eP	P	15 14 55.6 -0.5
	comp=Z,51nm,0.5s,mb5.3				
DMN	Daman	26.02 82	eP	P	15 14 59.0 +0.7
DMN	Daman	26.02 82	eP	P	15 14 59.0 +0.7
DMN	Daman	26.02 82	eP	P	15 14 59.0 +0.7
KKN	Kakani	26.16 81	eP	P	15 15 01.2 +1.6
KKN	Kakani	26.16 81	eP	P	15 15 01.2 +1.6
KKN	Kakani	26.16 81	eP	P	15 15 01.2 +1.6
PKI	Pulchoki	26.30 82	eP	P	15 15 02.4 +1.6
PKI	Pulchoki	26.30 82	eP	P	15 15 02.4 +1.6
PKI					





9d 15h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like COLA College, ILAR Eielson Array, MCK McKinley, etc.

ISCJB 09 15:10:39.7±0.9, 13.62N±0.08±91.16W±0.06, h55km±12km, Error ellipse: s-maj=14.7km s-min=6.5km az=28.9

CASC 09 15:10:41.1±2.3, 13.64N±91.00W, h23km±12km, MD3.7, mb3.6(NEIC)

NEIC 09 15:10:41.1±1.6, 13.61N±91.17W, h51km±19km, mb3.6/1, Error ellipse: s-maj=28.3km s-min=11.2km az=22.0

ISC 09 15:10:42.2±3.3, 13.70N±91.08W, h58km±30km, mb3.6/1, mb1.4/0.5, ms1mx2.5/2.3, mbtmp3.8/5.5, ML4.0/4, MS2.7/2, Ms1.2/7.2, ms1mx2.5/3.3, Error ellipse: s-maj=59.0km s-min=26.0km az=39.0

ISC 09 15:10:45.0±0.9, 13.63N±0.07±91.17W±0.05, h36km±19km, n28, c0973/35, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PSG Pto de San Jos, JAT Jato, FUG Fuego 3, etc.

DJA 09 15:19:34.8±24.5, 131.16E, h10km, mb4.9/7

ISC 09 15:19:51.7±4.5, 6.85S±129.70E, h90km±40km, mb3.7/10, mb1.4/0.13, mb1mx3.9/2.0, mbtmp3.9/1.3, Error ellipse: s-maj=51.9km s-min=15.4km az=62.0

NEIC 09 15:19:53.6±1.6, 6.94S±129.53E, h109km±15km, mb4.8/9, Error ellipse: s-maj=14.5km s-min=7.0km az=50.0

ISCJB 09 15:19:56.3±0.7, 7.12S±129.61E±0.1, h158km±10km, mb4.1/2.0, Error ellipse: s-maj=20.1km s-min=6.8km az=167.8

ISC 09 15:19:56.8±0.7, 7.19S±129.61E±0.1, h149km±7km, n67, c0886/66, mb4.1/2.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AAI Ambon, MSAI Masohi, NLAJ Labuha, etc.

2008 DEC

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

ISC 09 15:25:24.9±0.8, 15.16S±173.26W, h0km, mb3.9/6, mb1.4/1.6, mb1mx3.8/2.0, mbtmp3.9/6, Error ellipse: s-maj=37.3km s-min=18.5km az=132.0

NEIC 09 15:25:26.0±0.6, 15.15S±173.24W, h10km, Error ellipse: s-maj=28.0km s-min=12.5km az=134.0

ISCJB 09 15:25:28.1±0.7, 15.1S±173.3W±0.2, h33km, mb3.9/6, Error ellipse: s-maj=32.7km s-min=13.5km az=136.4

ISC 09 15:25:29.8±0.7, 15.1S±173.2W±0.2, h35km±117, c092/16, mb3.9/6, Tonga Islands

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

BUI 09 15:31:43.2±3.3, 38S±139.78E, h47km, mb5.4/4.7, mb5.1/6.2, Ms5.1/5.8, Ms7.4/9.5/1

MOS 09 15:31:46.9±1.1, 2.81S±139.28E, h32km, mb5.6/4.0, MS4.9/2.4, Error ellipse: s-maj=10.0km s-min=5.4km az=110.5

ISCJB 09 15:31:49.6±0.5, 2.79S±139.39E±0.02, h54km±4km, mb5.1/6.8, MS5.2/1.7, Error ellipse: s-maj=4.3km s-min=3.3km az=40.2

NEIC 09 15:31:50.2±0.2, 2.81S±139.32E, mb5.6/6.8, MS5.4/1.0, MW5.6, Error ellipse: s-maj=6.1km s-min=3.9km az=66.0

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Moment Tensor Solution. s18 Moment tensor: Scale 1071Nm; M1=0.15; M2=1.18; M3=1.33; M4=1.64; M5=0.042; M6=2.37; Best double couple: Mx1.20000x1017 Np1: 0±146.00000°, 889.00000°, λ-115.00000°. NP2: 0±53.00000°, 825.00000°, λ-4.00000°. Principal axes: T 3.1800, Plg38.0000°, Azm258.0000°; N -0.0100, Plg24.0000°, Azm146.0000°; P -3.1700, Plg41.0000°, Azm32.0000°.

NEIC Fit [IV] at Genyem, Jayapura and Sentani; [III] at Sarmi. DJA 09 15:31:51.7±0.2, 3S±139.9E, h51km±3km, Ms5.7/1, mb5.0/6.9, mb5.8/8.1, MLV5.8/6.8, Mw(MB)5.7/6.9, Mw(p)3.1

GCMT 09 15:31:53.2±0.1, 2.82S±139.39E, h32km, MW5.7, Moment Tensor Solution. s82c148, s1c1; Moment tensor: Scale 1071Nm; M1=0.30±0.4; M2=0.65±0.3; M3=0.95±0.3; M4=3.04±0.5; M5=0.06±0.2; M6=3.72±0.6; Best double couple: M4.90000x1017 Np1: 0±146.00000°, 89.00000°, λ-10.00000°. NP2: 0±11.00000°, 888.00000°, λ-99.00000°. Principal axes: T 4.86000, Plg43.0000°, Azm240.0000°; N 0.0400, Plg9.0000°, Azm141.0000°; P -4.9000, Plg46.0000°, Azm42.0000°; Data Used: II/UC G CN. Surface waves: sta=105, comp=204, per=50

ISC 09 15:31:52.4±0.5, 2.80S±139.36E±0.03, h62km±4km, h45km±2km, pp-P, N581, c1807/463, mb5.5/167, 14C-9D, Near north coast of Irian Jaya

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SMPI Sarmi, JAY Jayapura, BAKI Biak, etc.







Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like AAK, USP, AML, KURK, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like NAZ, ILAR, ARU, EGAK, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like RLMT, BW06, PDAR, etc.

9d 16h

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

ISC 09 15:48:35.3, 14.0, 31.52S, 177.57W, h0km, mb3.7/3, mb1.3/9.4, mb1mx3.7/16, mbmtmp.3/7.4, ML2.6/1, MS3.8/1, Ms1.3/8.1, ms1mx3.2/2.8, Error ellipse: s-maj=256.0km s-min=43.6km az=94.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PUZ Puketiti, URZ Urewera, URZ Warramunga Arr, etc.

ISC 09 15:49:04.3, 2.1, 1.30N, 126.85E, h0km, mb3.5/3, mb1.3/7.3, mb1mx3.4/17, mbmtmp.6/3, Error ellipse: s-maj=179.5km s-min=25.1km az=66.0

ISCJB 09 15:49:11.8, 1.4, 1.4N, 126.99E, 0.09, h2km, 10km, mb3.5/3, Error ellipse: s-maj=24.3km s-min=8.4km

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TINTI Ternate, LBMI Labuha, MNI Manado, etc.

ISC 09 15:56:18.3, 0.7, 31.05S, 176.65W, h0km, mb4.4/9, mb1.4/9.9, mb1mx4.4/18, mbmtmp.4/9, MS4.1/5, Ms1.4/2.5, ms1mx3.8/2.8, Error ellipse: s-maj=29.4km s-min=20.5km az=72.0

NEIC 09 15:56:19.9, 0.7, 30.74S, 176.72W, h10km, mb4.4/4, Error ellipse: s-maj=21.8km s-min=16.8km az=187.0

ISCJB 09 15:56:22.0, 0.7, 31.1S, 176.8W, 0.1, h33km, mb4.4/10, MS4.1/5, Error ellipse: s-maj=24.5km s-min=15.8km az=11.9

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

ISC 09 15:59:50.0, 2.1, 8.38S, 129.73E, h0km, mb5.1/1, mb1.3/7.4, mb1mx3.4/16, mbmtmp.5/4, ML3.3/3, Error ellipse: s-maj=76.4km s-min=28.6km az=77.0, Timor Sea

ISCJB 09 16:06:59.4, 0.3, 3.41S, 103.127, 18E, 0.03, h93km, 4km, mb4.6/32, Error ellipse: s-maj=5.8km s-min=4.5km az=40.4

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ISC 09 16:07:01.6, 2.1, 3.53S, 127.06E, h97km, 19km, mb4.0/15, mb1.4/2/18, mb1mx4.1/24, mbmtmp.4/18, MS3.2/1, Ms1.3/2.1, ms1mx2.1/4.0, Error ellipse: s-maj=18.3km s-min=8.9km az=70.0

DJA 09 16:07:01.6, 0.2, 3.53S, 127.12E, h78km, 5km, M4.8/8, mb5.0/28, mb5.3/16, MLV.5/18, Mw(mb)4.8/16, NEIC 09 16:07:02.1, 1.1, 3.53S, 127.11E, h104km, 11km, mb4.9/8, Error ellipse: s-maj=10.4km s-min=4.4km az=57.0

ISC 09 16:07:00.7, 0.3, 3.41S, 127.20E, 0.03, h87km, 3km, n120, e115/113, mb4.6/32, Seram

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NLAI Namlea, AAI Ambon, MASAI Masohi, etc.













9d 17h

Table with columns: ID, Name, Date, Time, Az, El, P, Az, El, P, Az, El, P, Az, El, P. Includes rows for 118A Diamond G Ranc, 224A Cornudas Mount, ANMO Albuquerque, etc.

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Table with columns: Name, Date, Time, Az, El, P, Az, El, P, Az, El, P, Az, El, P. Includes rows for NVS comp=Z,5.6nm,2.5s, NVS comp=Z,110nm,2.5s, CMIG Matias Romero, etc.

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Table with columns: Name, Date, Time, Az, El, P, Az, El, P, Az, El, P, Az, El, P. Includes rows for LSZ, LSZ, LSZ, FURI Furi, MICMG Minsk, etc.

Table with columns for station name, coordinates, and various parameters. Includes stations like Budapest, Pruhonice, Vitosha, Bratislava, Geres Array B, etc.

Table with columns for station name, coordinates, and various parameters. Includes stations like LOR, GOR, GRR, GRR, GRR, etc.

Table with columns for station name, coordinates, and various parameters. Includes stations like TAM, TOR, TOR, TOR, etc.

NEIC 09 17:36:19.2±0.5,30.64S×176.91W, h10km, mb4.9/3, Error ellipse: s-maj=13.3km s-min=11.0km az=167.0

ISCJ 09 17:36:22.1±0.7,30.65S:0.1x177.0W:0.1, h38km, mb4.4/10, MS4.9/2, Error ellipse: s-maj=18.4km s-min=15.1km az=159.6

IDC 09 17:36:23.6±1.5,30.81S:176.89W, h36km, mb4.7km, mb4.0/7, mb1.4/2.7, mb1mx4.0/1.7, mbtmpt4.0/7, MS4.6/3, Ms1 4.6/3, ms1mx3.9/3.3, Error ellipse: s-maj=47.4km s-min=26.7km az=163.0

ISC 09 17:36:24.1±0.7,30.55S:0.1x177.0W:0.1, h40km, h40km±1.7, s-maj=pp-P, n8, c0893/25, mb4.4/10, MS4.7/3, Kermadec Islands

Table with columns for Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, Res. Includes stations like Raoul Island, Urewera, Warramunga Arr, etc.

IDC 09 17:43:47.0±5.0,31.22S×176.56W, h0km, mb3.8/3, mb1.9/3, mb1mx3.7/16, mbtmpt3.8/3, Error ellipse: s-maj=209.6km s-min=52.5km az=160.0, Kermadec Islands region

Table with columns for Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, Res. Includes stations like Charters Tower, Urewera, Warramunga Arr, etc.

IDC 09 17:43:34.0±1.3,39.23N:73.61E, h0km, mb4.0/12, mb1.4/1.7, mb1mx3.9/3.1, mbtmpt4.0/17, ML3.4/5, MS4.1/3, Ms1 4.1/3, ms1mx3.3/4.5, Error ellipse: s-maj=26.7km s-min=16.2km az=149.0

NNC 09 17:43:39.1±4.2,39.67N:73.57E, h0km, mb4.1, mpv3.9, Error ellipse: s-maj=14.1km s-min=24.0km az=173.0

NEIC 09 17:43:42.4±1.2,39.68N:73.50E, h46km, 10km, Error ellipse: s-maj=14.8km s-min=9.8km az=141.0

ISCJ 09 17:43:44.0±2.0,39.86N:0.06:73.44E:0.0, h73km, mb3.8/1.8, Error ellipse: s-maj=10.7km s-min=8.0km az=136.0

ISC 09 17:43:43.3±1.0,39.72N:0.07:73.39E:0.07, h49km, n65, c1935/68, mb3.8/14, 6C-3D, Tajikistan-Xinjiang border region

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

9d 18h

Table with columns: Uch, SNR, Az, El, P, Pn, Time, Res. Includes stations like SNZO, KHZ, RPZ, DFM, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like RAO, URZ, YKA.

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Main table with columns: SNZO, KHZ, KHZ, RPZ, DFM, etc. Includes station names, SNR, Az, El, P, Pn, Time, Res.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like RAO, URZ, YKA.

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Table with columns: CTA, CTAO, STKA, STKA, ASAR, ASAR, WRAB, WRAB, WRA, WRA, GUMO, TGy, ZALV, ZALV, KURK, KURK, BVAR, BVAR, SPITS, SPITS, ARCES, ARCES, JOF, JOF, KAF, KAF, FINES, FINES, TORD, TORD.

NEIC 09 17:51:11.1... Error ellipse: s-maj=14.5km s-min=10.2km az=127.0

ISCJB 09 17:51:14.2... Error ellipse: s-maj=57.7km s-min=32.1km az=175.0

NEIC 09 17:52:35.7... Error ellipse: s-maj=57.7km s-min=32.1km az=175.0

NEIC 09 17:52:38.4... Error ellipse: s-maj=22.5km s-min=18.9km az=62.0

ISCJB 09 17:52:41.9... Error ellipse: s-maj=41.3km s-min=33.3km az=103.3

ISCJB 09 17:52:43.3... Error ellipse: s-maj=177.1W.0.4, h35km, n30.0

NEIC 09 17:52:38.4... Error ellipse: s-maj=22.5km s-min=18.9km az=62.0

ISCJB 09 17:52:41.9... Error ellipse: s-maj=41.3km s-min=33.3km az=103.3

ISCJB 09 17:52:43.3... Error ellipse: s-maj=177.1W.0.4, h35km, n30.0

ISCJB 09 18:04:17.8... Error ellipse: s-maj=38.8km s-min=12.2km az=163.6

ISCJB 09 18:04:17.9... Error ellipse: s-maj=38.8km s-min=12.2km az=163.6

ISCJB 09 18:04:18.8... Error ellipse: s-maj=38.8km s-min=12.2km az=163.6

ISCJB 09 18:04:18.8... Error ellipse: s-maj=38.8km s-min=12.2km az=163.6





Table with columns for station call letters, name, frequency, and other technical details. Includes stations like Charters Tower, Port Moresby, and various regional stations.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like Attu Island-F, Yuzh-Sakhalins, and various regional stations.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like CN2, LDFC Landfair, and various regional stations.



MFID	baz=86,SNR=21	86.29	41	↑	P	19 02 53.9	-0.4
W19A	Camas Ranch	86.30	50	↑	P	19 02 54.9	+0.4
Y20A	Sanders	86.36	52	↑	P	19 02 55.5	+0.1
DUG	Horse Springs,	86.48	45	↑	P	19 02 55.8	+0.5
S17A	Dugway	86.53	48	↑	P	19 02 55.7	+0.1
U18A	Black Ridge (B	86.59	49	↑	P	19 02 55.9	0.0
X20A	Rough Rock, Ch	86.67	51	↑	P	19 02 56.8	+0.5
E09A	Quemad	86.68	37	↑	P	19 02 55.7	-0.4
TNA	Wood Farm, Sta	86.69	5	eP	P	19 02 54.4	-1.3
Z21A	Tin City	86.70	53	↑	P	19 02 56.8	+0.3
V19A	St. Cloud Mine	86.70	53	↑	P	19 02 57.7	+0.6
OD2	Window Rock	86.73	36	eP	P	19 02 56.6	-0.4
F10A	Odessa Site #2	86.78	38	↑	P	19 02 56.6	-0.5
Q16A	Beach Ranch, E	86.92	46	↑	P	19 02 57.3	-0.2
I12A	Castle Valley	86.92	41	↑	P	19 02 57.5	+0.3
T18A	Atlanta	86.93	48	↑	P	19 02 57.8	+0.3
P16A	Mexican Hat	86.94	45	↑	P	19 02 58.1	+0.6
W20A	Fountain Green	86.95	51	↑	P	19 02 58.0	+0.3
R17A	Ramah	86.98	47	↑	P	19 02 57.7	-0.1
U19A	Hanksville Air	86.99	49	↑	P	19 02 58.0	+0.1
Y21A	Dine' College,	87.02	53	↑	P	19 02 58.6	+0.6
TMUT	Point of Rocks	87.08	46	eP	P	19 02 58.7	+0.5
TRF	Trail Mountain	87.11	12	eP	P	19 02 55.6	-2.1
X21A	Thorofore Moun	87.15	52	↑	P	19 02 58.9	+0.3
L14A	Alamocita Cree	87.16	43	↑	P	19 02 58.6	+0.2
Z22A	Malta	87.21	53	↑	P	19 02 59.1	+0.1
HLID	Elephant Butte	87.23	41	↑	P	19 02 58.8	0.0
V20A	Halley	87.29	50	↑	P	19 02 59.5	+0.2
J13A	Brimhall	87.29	41	↑	P	19 02 59.8	+0.7
HVU	Cove Ranch, Pi	87.32	43	eP	P	19 02 58.2	-1.1
HVU	Hansel Valley	87.32	43	eP	P	19 02 58.2	-1.0
O16A	Hansel Valley	87.34	45	↑	P	19 02 59.6	+0.2
C09A	Springville	87.35	36	↑	P	19 02 59.1	-0.1
M15A	Chrisman Ranch	87.37	44	↑	P	19 02 60.0	+0.5
T19A	Larsen Ranch,	87.38	49	↑	P	19 02 59.4	-0.2
SRU	Reclabito	87.45	46	eP	P	19 02 59.6	-0.3
SRU	San Rafael	87.45	46	eP	P	19 05 08.2	-0.5
K14A	San Rafael	87.45	46	eP	P	19 05 08.2	-0.5
P17A	Jones Ranch, D	87.47	42	↑	P	19 02 59.5	-0.4
H12A	Butcher Ranch,	87.49	46	↑	P	19 02 59.9	-0.2
Z24A	Black Gap, Mar	87.50	40	↑	P	19 02 59.5	-0.5
322A	Diamond D Ranch	87.51	55	↑	P	19 03 00.6	+0.2
Y20A	Moseley Ranch,	87.52	52	↑	P	19 02 59.9	-0.5
U20A	Scorro	87.52	50	↑	P	19 03 00.1	-0.3
R18A	Newcomb	87.53	47	↑	P	19 03 00.1	-0.2
G12A	Canyonlands Na	87.53	47	↑	P	19 02 59.7	-0.5
LAZ	Big Creek, Yel	87.59	32	↑	P	19 03 00.5	-0.2
425A	Ladron	87.60	52	↑	P	19 03 00.9	+0.1
I13A	Indio Mountain	87.60	41	↑	P	19 03 00.9	+0.4
DAU	Wildhorse Cree	87.61	45	eP	P	19 03 01.0	+0.3
DAU	Daniels Canyon	87.61	45	eP	P	19 03 01.0	+0.4
LENM	Daniels Canyon	87.61	52	eP	P	19 03 01.1	+0.3
MCK	Lemitar	87.64	13	eP	P	19 02 58.1	-2.1
MCK	McKinley	87.64	13	eP	P	19 05 10.0	+0.9
J14A	McKinley	87.66	42	↑	P	19 03 01.0	+0.2
L15A	Carey	87.69	43	↑	P	19 03 00.5	-0.4
MNTX	Malad City	87.69	55	↑	P	19 03 01.0	-0.3
Q18A	Neumayer Olymp	87.70	177	e	P	19 03 00.8	+0.3
N16A	Cornudas Mount	87.71	47	↑	P	19 03 00.6	-0.5
SKAG	Rafter H Ranch	87.73	21	eP	P	19 03 01.4	+0.3
626A	Rees Ranch, Co	87.73	57	↑	P	19 03 01.5	0.0
PAX	Skagway	87.74	15	eP	P	19 02 58.6	-2.0
PAX	Big Bend Ranch	87.74	15	eP	P	19 02 58.6	-2.0
S19A	Paxson	87.74	48	↑	P	19 03 01.8	+0.5
Z23A	Harvey Farm, M	87.75	53	↑	P	19 03 02.1	+0.6
224A	Rita Site, Whi	87.76	54	↑	P	19 03 02.0	+0.5
O17A	Cornudas Mount	87.76	45	↑	P	19 03 02.0	+0.2
BNM	Robinson Place	87.76	54	↑	P	19 03 02.0	+0.2
H13A	Barren Site	87.76	52	eP	P	19 03 02.1	+0.2
325A	Challis	87.77	40	↑	P	19 03 01.5	-0.2
R19A	Bean Ranch, Si	87.78	48	↑	P	19 03 02.4	+0.3
MVC0	Curley Farm, L	87.92	48	↑	P	19 03 02.0	-0.1
526A	Mesa Verde	87.93	49	↑	P	19 03 02.1	-0.1
TXAR	Mary Lane Ranc	87.95	57	↑	P	19 03 02.7	0.0
TXAR	Lajitas Array	88.01	58	↑	P	19 03 03.1	+0.4
TXAR	Lajitas Array	88.01	58	↑	P	19 03 03.1	+0.4
TXAR	Lajitas Array	88.01	58	↑	P	19 03 03.1	+0.4
TXAR	Lajitas Array	88.01	58	↑	P	19 03 03.1	+0.4
I14A	Mackay	88.02	41	↑	P	19 03 02.4	0.0
124A	Stringfield Ra	88.09	54	↑	P	19 03 02.9	-0.1

PV10	Paradox Valley	88.11	48	eP	P	19 03 02.4	-0.6
VNA2	Comp-Z,154nm,0.5s,mb5.0	88.13	177	e	P	19 03 03.7	+1.1
VNA2	Neumayer-Watz	88.15	45	↑	P	19 05 14.6	+3.1
N17A	Moffit Pass	88.15	45	↑	P	19 03 03.4	+0.3
G13A	Nageezi	88.16	50	↑	P	19 03 03.1	-0.1
NVL	baz=88,SNR=27	88.16	40	↑	P	19 03 03.1	0.0
NVL	Cobalt	88.17	184	iP	P	19 03 03.9	+1.1
NVL	N'azarevskaya	88.17	184	iP	P	19 12 39.1	+4.6
Y23A	comp-Z,24nm,0.6s,mb5.1	88.19	53	↑	P	19 03 03.4	-0.1
Q19A	Low Mesa,	88.23	47	↑	P	19 03 03.1	-0.4
NEW	Hogan Spring (	88.25	36	↑	P	19 03 03.6	+0.2
NEW	Newport	88.25	36	eP	P	19 03 02.0	-1.4
NEW	comp-Z,33nm,1.6s,mb4.8	88.25	36	eP	P	19 03 02.0	-1.4
627A	Newport	88.28	58	↑	P	19 03 04.1	+0.1
426A	Terlingua Ranch	88.30	56	↑	P	19 03 04.5	+0.4
L16A	McDonald Obser	88.30	44	↑	P	19 03 03.2	-0.6
225A	Fish Haven	88.31	55	↑	P	19 03 03.4	-0.7
PV01	Deer Hill, Car	88.32	48	eP	P	19 03 02.5	-1.5
S20A	Paradox Valley	88.32	48	↑	P	19 03 03.6	-0.3
ANMO	Disappointment	88.35	52	eP	P	19 03 04.2	0.0
ANMO	Albuquerque	88.35	52	eP	P	19 05 16.8	+3.5
ANMO	comp-Z,19nm,1.1s,mb4.8,baz=222,slow=4.9,SNR=9.7	88.35	52	eP	P	19 03 03.9	-0.3
ANMO	comp-Z,1.7nm,0.8s,baz=241,slow=5.3,SNR=3.1	88.35	52	eP	P	19 05 12.3	-0.9
ANMO	comp-Z,32nm,1.2s,mb4.9	88.35	52	eP	P	19 05 16.8	+3.5
VNA1	Neumayer-Stat	88.36	177	e	P	19 03 05.1	+1.5
O18A	Roosevelt	88.37	46	↑	P	19 03 05.0	+0.8
X23A	Hourglass Bar	88.38	52	↑	P	19 03 03.9	-0.5
527A	Woodward Ranch	88.40	57	↑	P	19 03 04.7	+0.2
V22A	San Miguel Ran	88.46	51	↑	P	19 03 05.0	+0.3
R20A	Redvale	88.48	48	↑	P	19 03 05.1	+0.4
F13A	Redvale	88.48	39	↑	P	19 03 04.1	-0.5
T21A	Navajo Lake	88.51	49	↑	P	19 03 04.9	0.0
M17A	Scullys Gap (B	88.53	44	↑	P	19 03 04.8	-0.1
326A	Caldwell Ranch	88.61	56	↑	P	19 03 05.6	+0.1
K16A	Soda Springs	88.62	43	↑	P	19 03 05.7	+0.4
S21A	Coal Bank Pass	88.64	49	↑	P	19 03 06.0	+0.5
Y24A	Capitan	88.64	53	↑	P	19 03 05.9	+0.3
I15A	Monview	88.65	41	↑	P	19 03 05.1	+0.7
W23A	Werner Place,	88.67	51	↑	P	19 03 05.5	-0.2
125A	baz=89,SNR=7.7	88.67	54	↑	P	19 03 05.6	-0.1
628A	Gardner Draw,	88.69	58	↑	P	19 03 05.5	-0.4
L17A	Black Gap, Mar	88.70	44	↑	P	19 03 06.2	+0.5
U22A	Cokeville	88.71	50	↑	P	19 03 06.3	+0.5
P19A	Clayton Basin	88.75	46	↑	P	19 03 05.9	-0.1
J16A	Cripple Cowboy	88.83	42	↑	P	19 03 06.8	+0.6
DLBC	Bone	88.83	23	eP	P	19 03 05.2	-0.7
DLBC	Dease Lake	88.83	23	eP	P	19 03 05.2	-0.7
KMI	Dease Lake	88.86	297	P	P	19 03 08.6	+1.8
KMI	Kunming	88.86	297	P	P	19 05 14.7	-1.3
KMI	Kunming	88.86	297	P	P	19 13 07.2	+2.2
KMI	comp-Z,33nm,1.3s,mb5.0	88.86	297	P	P	19 03 06.8	+1.8
KMI	comp-Z,640nm,4.2s	88.86	297	P	P	19 05 14.7	-1.3
KMI	Kunming	88.86	297	P	P	19 03 08.6	+1.8
KMI	Kunming	88.86	297	P	P	19 05 14.7	-1.3
KMI	Kunming	88.86	297	P	P	19 13 07.2	+2.2
MCMT	McKenzie Canyon	88.86	41	eP	P	19 03 06.4	+0.1
MCMT	comp-Z,33nm,1.3s,mb5.0	88.86	41	eP	P	19 03 06.4	+0.1
MCMT	comp-Z,24nm,1.2s,mb4.9	88.86	41	eP	P	19 05 16.6	+1.1
C12B	Hayter Ranch,	88.86	56	↑	P	19 03 07.5	+0.8
COLA	Naegeli Ranch,	88.87	13	eP	P	19 03 06.2	0.0
COLA	College	88.87	13	eP	P	19 03 03.4	-2.5
COLA	College	88.87	13	eP	P	19 03 03.4	-2.5
H15A	comp-Z,82nm,1.3s,mb5.4	88.87	41	↑	P	19 03 07.1	+0.7
AHID	Lima	88.89	43	eP	P	19 03 06.3	-0.2
M18A	Auburn Hatcher	88.90	45	↑	P	19 03 07.2	+0.6
Q20A	Lynman	88.90	47	↑	P	19 03 06.9	+0.3
Z25A	Ridgely Place,	88.90	54	↑	P	19 03 07.0	+0.2
V23A	Roswell	88.91	51	↑	P	19 03 07.2	+0.4
T12A	Ortiz Mt. (NFS	88.91	51	↑	P	19 03 05.9	-0.6
E23A	Victor	88.91	50	↑	P	19 03 07.1	+0.1
O19A	Edith	88.97	46	↑	P	19 03 07.1	+0.1
ILAR	Miners Draw (B	88.98	13	eP	P	19 03 03.9	-2.5
ILAR	Huson	88.98	13	eP	P	19 05 17.4	+1.6
ILAR	Eielson Array	88.98	13	eP	P	19 03 03.9	-2.5
ILAR	Eielson Array	88.98	13	eP	P	19 05 17.4	+1.6
K17A	Gardner Place,	89.00	43	↑	P	19 03 07.6	+0.5
RR12	Gardner Place,	89.05	42	eP	P	19 03 07.1	-0.1
S28A	Red Ridge	89.05	42	eP	P	19 05 10.3	-6.2
F14A	Cox Ranch, San	89.05	57	↑	P	19 03 07.2	-0.4
P20A	Wisdom	89.06	40	↑	P	19 03 06.6	-0.6
D13A	De Beque	89.09	47	↑	P	19 03 07.8	+0.3
HHC	baz=89,SNR=7.8	89.12	315	eP	P	19 03 07.1	-0.3
HHC	Hu-ho-hao-te	89.12	315	eP	P	19 03 08.3	+0.6
HHC	Hu-ho-hao-te	89.12	315	eP	P	19 05 15.3	-1.7
HHC	Hu-ho-hao-te	89.12	315	eP	P	19 05 14.9	-1.8
HHC	Hu-ho-hao-te	89.12	315	eP	P	19 05 17.4	+3.1
HHC	Hu-ho-hao-te	89.12	315	eP	P	19 12 42.2	0.0
HHC	Hu-ho-hao-te	89					

9d 18h

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like CD2 Chengdu, E21A Keefer Ranch, D21A La Costa Ranch, etc.



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KMI	comp=E,12um,7.4s	LR	LR		
KMI	<b>Kunming</b>	7.74 198	Pn	Pn	18 55 02.3 +0.4
KMI			Pg	Pg	18 55 37.1 -0.2
KMI			Sn	Sn	18 56 28.1 -1.6
KMI			Sg	Sg	18 57 16.9 -0.6
KMI	<b>Kunming</b>	7.74 198	P	Pn	18 55 02.3 +0.4
KMI					18 56 28.1
WHN	<b>Wuhan</b>	7.90 102	U/Pn	Pn	18 55 02.2 -2.0
WHN			LR	LR	18 56 27.4 -6.3
WHN	comp=N,50um,4.7s		LR	LR	
WHN	comp=E,21um,6.0s		LR	LR	
GTA	<b>Gaotai</b>	8.22 328	eP	Pn	18 55 09.2 +0.7
GTA			pP	pP	18 55 13.5
GTA			sP	sP	18 55 16.8
GTA			S	Sn	18 56 46.6 +5.1
GTA			sS	sS	18 56 53.1
GTA	comp=Z,59nm,1.0s		pmax	pmax	
GTA	comp=Z,330nm,3.1s		pmax	pmax	
GTA	comp=N,10um,9.3s		LR	LR	
GTA	comp=E,6um,7.8s		LR	LR	
GTA	comp=Z,12um,8.3s		LR	LR	
BTO	<b>Baotou</b>	8.88 23	eP	Pn	18 55 16.3 -1.2
BTO			LR	LR	
BTO	comp=N,3um,7.3s		LR	LR	
HHC	<b>Hu-ho-hao-te</b>	9.67 29	eP	Pn	18 55 27.8 -0.6
HHC			sP	sP	18 55 33.8
HHC			S	Sn	18 57 17.7 +0.6
HHC			sS	sS	18 57 23.2
HHC			PcS	PcS	19 05 14.3 -2.6
HHC			ScS	ScS	19 08 45.2 -5.2
HHC	comp=Z,24nm,0.7s		pmax	pmax	
HHC	comp=Z,280nm,4.3s		LR	LR	
HHC	comp=N,9um,8.5s		LR	LR	
HHC	comp=E,7um,8.1s		LR	LR	
HHC	comp=Z,5um,8.1s		LR	LR	
TIA	<b>Tai'an</b>	10.37 66	eP	Pn	18 55 40.0 +2.0
TIA			S	Sn	18 57 29.4 -4.9
TIA			LR	LR	
TIA	comp=N,3um,16.7s		LR	LR	
NJ2	<b>Nanjing</b>	11.40 89	eP	Pn	18 55 51.6 -0.6
NJ2			pP	pP	18 55 58.0
NJ2			sP	sP	18 56 04.0
NJ2			S	Sn	18 57 54.0 -5.8
NJ2	comp=Z,50nm,1.1s		pmax	pmax	
NJ2	comp=Z,140nm,3.5s		pmax	pmax	
NJ2	comp=N,8um,9.3s		LR	LR	
NJ2	comp=N,8um,9.3s		LR	LR	
NJ2	comp=E,4um,14.6s		LR	LR	
NJ2	comp=Z,4um,14.8s		LR	LR	
BJI	<b>Beijing</b>	11.48 46	P	Pn	18 55 53.1 -0.1
BJI			pmax	pmax	
BJI	comp=Z,37nm,0.7s		pmax	pmax	
BJI	comp=Z,220nm,4.2s		LR	LR	
BJI	comp=N,5um,14.3s		LR	LR	
BJI	comp=E,4um,14.7s		LR	LR	
BJI	comp=Z,1um,14.7s		LR	LR	
GZH	<b>Guangzhou</b>	11.74 141	P	Pn	18 55 51.8 -5.1
GZH			S	Sn	18 57 53.5 -1.5
GZH			LR	LR	
GZH	comp=N,7um,5.1s		LR	LR	
GZH	comp=E,8um,6.7s		LR	LR	
GZH	comp=Z,13um,7.7s		LR	LR	
LSA	<b>Lhasa</b>	12.53 261	P	Pn	18 56 08.0 +0.5
LSA			pP	pP	18 56 16.4
LSA	comp=Z,10.0nm,0.9s		LR	LR	
LSA	comp=E,24um,5.8s		LR	LR	
LSA	comp=Z,23um,5.1s		LR	LR	
IMP	<b>Imphal</b>	12.67 235	ePKP	Pn	18 56 08.0 -1.6
CHRT	<b>Chiangrai</b>	13.57 203	P	Pn	18 56 20.0 -1.8
CHRT	comp=Z,22nm,0.8s		Pn	Pn	18 56 23.2 -2.1
QZH	<b>Quanzhou</b>	13.82 120	U/P	S	18 58 52.6 -6.3
QZH			LR	LR	
QZH	comp=N,16um,9.8s		LR	LR	
QZH	comp=E,13um,9.8s		LR	LR	
QZH	comp=Z,11um,7.6s		LR	LR	
QIZ	<b>Qiongzong</b>	14.02 162	P	Pn	18 56 29.3 +1.2
QIZ			S	Sn	18 59 07.4 +3.5
QIZ			pmax	pmax	
QIZ	comp=Z,26nm,1.1s		LR	LR	
QIZ	comp=N,4um,9.7s		LR	LR	
DL2	<b>Dalian</b>	14.64 60	P	Pn	18 56 28.8 -7.5
DL2			S	Sn	18 59 09.0 -1.0
DL2	comp=N,1um,14.8s		LR	LR	
DL2	comp=E,900nm,16.0s		LR	LR	
CHTO	<b>Chiang Mai</b>	14.84 205	ePn	Pn	18 56 38.3 -0.9
CHTO	comp=Z,40nm,0.8s		Pn	Pn	18 56 38.3 -0.8
CHTO	comp=Z,40nm,0.8s		P	Pn	18 56 38.9 -0.2
CHTO	comp=Z,862nm,comp=Z,67nm,1.3s		Pn	Pn	18 56 39.7 +0.6
CHTO	SNR=2		Pn	Pn	18 56 42.5 -1.0
CM31	<b>Chiang Mai Arr</b>	15.16 204	ePn	Pn	18 56 43.2 -0.4
CMAR	<b>Chiang Mai Arr</b>	15.16 204	Pn	Pn	18 56 43.2 -0.4
CMAR	comp=Z,1.0nm,0.3s,baz=14,slow=11,SNR=209		LR	LR	19 03 37.2
CMAR	comp=Z,133nm,18.5s,baz=202,slow=41		Pn	Pn	18 56 43.2 -0.4
CMAR	<b>Chiang Mai Arr</b>	15.16 204	Pn	Pn	18 56 43.2 -0.4
CMAR	<b>Songino Array</b>	15.31 3	Pn	Pn	18 56 44.6 -0.6
SOMM	<b>Songino Array</b>	15.31 3	Pn	Pn	18 56 44.6 -0.6
SOMM	<b>Songino Array</b>	15.31 3	Pn	Pn	18 56 44.6 -0.6
ULN	<b>Ulaanbaatar</b>	15.37 4	ePn	Pn	18 56 45.2 -0.9
ULN	comp=Z,107nm,0.9s		eP	eP	18 56 45.2 -0.9
ULN			pmax	pmax	
ULN	comp=Z,107nm,0.9s		Pn	Pn	18 56 46.0 -0.1
ULN	comp=Z,1um,comp=Z,135nm,0.8s		P	P	18 56 46.7 +0.6
ULN	<b>Ulaanbaatar</b>	15.37 4	P	Pn	18 56 46.7 +0.6
YHNB	<b>Yeheng</b>	16.06 115	ePn	Pn	18 56 56.2 +1.0
SSLB	<b>Suanglung</b>	16.24 118	ePn	Pn	18 56 58.8 +1.2
BDT	<b>Bhumibol Dam</b>	16.28 202	P	Pn	18 56 58.0 0.0
NACB	<b>Ninganchiao</b>	16.50 116	ePn	Pn	18 57 01.3 +0.4
YULB	<b>Yu-li</b>	16.73 119	ePn	Pn	18 57 02.1 -1.6

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TWG	<b>Pinlang</b>	16.91 121	ePn	Pn	18 57 08.2 +2.2
TWG	comp=Z,34nm,0.5s				
SNY	<b>Shenyang</b>	17.18 52	U/P	Pn	18 57 10.9 +1.5
SNY			S	Sn	19 00 22.5 +2.0
SNY	comp=Z,480nm,6.7s		LR	LR	
SNY	comp=N,1um,10.2s		LR	LR	
SNY	comp=E,1um,9.1s		LR	LR	
SNY	comp=Z,1um,11.6s		LR	LR	
UBT	<b>Ubonrachathani</b>	17.21 181	P	Pn	18 57 10.0 +0.2
NST	<b>Nakhon Sawan</b>	17.45 197	P	Pn	18 57 12.4 -0.4
NST	comp=Z,70nm,1.0s		P	Pn	18 57 18.6 +0.8
URUMQI	<b>Urumqi</b>	17.87 314	P	Pn	18 57 22.5 +1.1
WMQ			pP	pP	18 57 25.2 +3.3
WMQ			sP	sP	18 57 33.4
WMQ			S	Sn	19 00 35.7 -1.4
WMQ			PcP	PcP	19 01 56.4 +2.2
WMQ	comp=Z,82nm,0.7s		pmax	pmax	
WMQ	comp=Z,1um,4.6s		LR	LR	
WMQ	comp=N,1um,18.2s		LR	LR	
WMQ	comp=E,1um,21.4s		LR	LR	
WMQ	comp=Z,1um,28.0s		LR	LR	
ZAK	<b>Zakamensk</b>	17.91 356	eP	Pn	18 57 18.9 +0.6
ZAK			pmax	pmax	
INCN	<b>Inchon</b>	18.08 68	ePn	Pn	18 57 20.7 +0.2
CAL	<b>Calcutta</b>	18.09 241	ex	Pn	18 57 25.2 +4.5
CAL			eP	Pn	19 02 40.0 -0.4
KSAR	<b>Wonju Array Be</b>	19.06 69	P	Pn	18 57 32.1 -0.3
KSAR	<b>Wonju Array Be</b>	19.06 69	P	Pn	18 57 32.1 -0.3
KSAR	<b>Korea Array</b>	19.09 69	P	Pn	18 57 32.0 -0.8
KSAR	comp=Z,6.7nm,0.3s,baz=252,slow=11,SNR=234		LR	LR	19 04 44.5
KSRS	<b>Korea Array</b>	19.09 69	P	Pn	18 57 32.1 -0.7
KSRS	comp=Z,423nm,21.6s,baz=263,slow=37		pmax	pmax	
KSRS	comp=Z,7.0nm,0.3s		MLR	MLR	
KSRS	comp=Z,423nm,21.6s		MLR	MLR	
TLY	<b>Talaya</b>	19.18 357	eP	Pn	18 57 34.2 +0.4
TLY	comp=Z,52nm,1.0s		eP	Pn	18 57 34.4 +0.6
TLY	comp=Z,49nm,1.0s		MLR	MLR	
TLY	comp=Z,215nm,9.0s		MLR	MLR	
CN2	<b>Changchun</b>	19.32 49	eP	Pn	18 57 34.6 -1.0
CN2			pP	pP	18 57 38.3 +1.2
CN2			eP	eP	18 57 40.7 +2.4
CN2			sP	sP	19 01 05.2 -7.0
CN2	comp=Z,40nm,1.0s		pmax	pmax	
MOY	<b>Mondy</b>	19.39 352	eP	Pn	18 57 36.9 +0.6
MOY	comp=Z,143nm,2.6s		pmax	pmax	
IRK	<b>Irkutsk</b>	19.72 358	U/P	Pn	18 57 40.9 +0.7
IRK			pmax	pmax	
CIT	<b>Chita</b>	20.37 15	eP	P	18 57 47.1 +1.3
CIT			e	P	18 58 16.0
CIT	comp=Z,300nm,1.7s		pmax	pmax	
HVS	<b>Khovu-Aksy</b>	20.48 339c	P	P	18 57 49.0 +1.9
HVS	comp=Z,6um,23.0s,MS4.9		MLR	MLR	
NNT	<b>Nongplab</b>	20.51 196	P	P	18 57 49.3 +1.6
JOW	<b>Kunglami</b>	20.66 100	P	P	18 57 50.1 +0.9
JOW	comp=Z,101nm,0.8s,baz=322,slow=2.6,SNR=18		LR	LR	19 05 32.8
JOW	comp=Z,707nm,19.1s,MS4.0,baz=125,slow=36		LR	LR	
JOW	<b>Kunigami</b>	20.66 100	eP	P	18 57 47.2 -2.1
JOW	comp=Z,56nm,0.9s		eP	P	18 57 57.0 -0.3
JOW	<b>Nakatsue</b>	21.42 81	eP	P	18 58 01.0 +0.1
JOW	comp=Z,22nm,0.9s,ms4.5		P	P	18 58 00.0 -1.9
JOW	<b>Pitohari</b>	21.76 269	ePKP	P	18 58 08.0 +0.8
ALBI	<b>Allahabad</b>	21.83 257	ex	P	18 58 03.2 -1.0
MDJ	<b>Mudanjiang</b>	22.35 50	P	P	19 05 38.8 -1.3
MDJ			S	ScP	
MDJ			S	ScP	
MDJ	comp=Z,60nm,1.1s,mb4.9		pmax	pmax	
MDJ	comp=Z,290nm,5.0s		LR	LR	
MDJ	comp=N,790nm,11.8s		LR	LR	
MDJ	comp=E,850nm,9.7s		LR	LR	
MDJ	comp=Z,1um,11.1s,MS4.6		LR	LR	
MK31	<b>Makanchi Array</b>	22.68 316	eP	P	18 58 11.0 +0.3
MK31	<b>Makanchi Array</b>	22.68 316	eP	P	18 58 11.1 +0.4
MK31			pmax	pmax	
MKAR	<b>Makanchi Array</b>	22.68 316	P	P	18 58 11.1 +0.5
MKAR	comp=Z,86nm,0.7s,ms4.3,baz=114,slow=13,SNR=246		LR	LR	19 08 28.5
MKAR	comp=Z,398nm,19.0s,MS3.9,baz=127,slow=41		P	P	18 58 11.1 +0.5
MKAR	<b>Makanchi Array</b>	22.68 316	P	P	18 58 11.1 +0.4
MKAR	<b>Makanchi Array</b>	22.68 316	P	P	18 58 11.1 +0.4
MKAR	<b>Tagaytay City</b>	23.19 139	P	P	18 58 17.7 +1.4
MKAR	<b>Tagaytay City</b>	23.19 139	P	P	18 58 17.7 +1.4
MKAR	<b>Tagaytay City</b>	23.19 139	P	P	18 58 16.9 -1.1
MKAR	<b>Tagaytay City</b>	23.19 139	P	P	1











395 CTA Charters Tower 21.49 126 LR LR 19 07 24.5
CTAO Charters Tower 21.49 126 eP P 18 58 21.4 +0.8
NWAO Narrogin (SRO) 26.81 200 P P 18 59 13.5 +3.6
MKAR Makanchi Array 67.87 328 P P 19 04 25.2 -0.5
MKAR Makanchi Array 67.87 328 P P 19 04 25.2 -0.5
ZAAO Zalesovo Beam 71.49 335 eP P 19 04 25.2 -0.5
ZALV Zalesovo Beam 71.49 335 P P 19 04 47.7 0.0
ZALV Zalesovo Beam 71.49 335 P P 19 04 47.7 0.0
ZALV Zalesovo Beam 71.49 335 P P 19 04 47.7 0.0
KURK Kurchatov 72.22 330 P P 19 04 51.4 -0.7
KURK Kurchatov 72.22 330 eP P 19 04 51.4 -0.9
BVAR Borovoye Array 77.73 329 P P 19 05 24.2 +0.5
BVAR Borovoye Array 77.73 329 P P 19 05 24.2 +0.5
ILAR Eielson Array 95.03 25 LR LR 19 49 38.9

ISCJB 09 19:04:06.8-0.4, 23.82N, 0.02-122.220E, 0.02, h27km, 3km, Error ellipse: s-maj=3.2km s-min=2.3km az=144.4
JMA 09 19:04:07.9-0.2, 23.94N, 122.22E, h70km, M2.8
TAP 09 19:04:07.5, 23.83N, 122.16E, h24km, ML3.6, 2
ISC 09 19:04:06.8-0.4, 23.83N, 0.02-122.19E, 0.02, h24km, 3km,

Code Station Name Az AZZ Phase ID Time Res
HWA Hwalien 0.56 286 P P 19 04 18.0 0.0
HWA Hwalien 0.56 286 eP Sb 19 04 25.6 +0.1
TWD Chiawan 0.60 295 iP Pb 19 04 18.6 0.0
TWD Chiawan 0.60 295 eP Sb 19 04 26.8 +0.1
ESL Shilin 0.69 269 iP Pb 19 04 19.8 -0.4
ESL Shilin 0.69 269 eP Sb 19 04 29.1 -0.4
ENA Nanau 0.72 325 iP P Pb 19 04 20.9 +0.1
ENA Nanau 0.72 325 eP Sb 19 04 31.1 +0.8
TWC Suao 0.84 338 P P 19 04 22.7 +0.1
TWC Suao 0.84 338 eP Sb 19 04 33.4 -0.1
EHY Hungye 0.86 248 i P P 19 04 22.7 -0.3
EHY Hungye 0.86 248 eP Sb 19 04 33.8 -0.3
WHF Hehuan Shan 0.70 291 iP Pb 19 04 23.4 -0.4
WHF Hehuan Shan 0.70 291 eP Sb 19 04 34.9 -0.5
TWF Yuli 0.95 240 iP Pb 19 04 24.1 -0.4
TWF Yuli 0.95 240 eP Sb 19 04 36.6 -0.1
NNS Nan Shan 0.96 309 P P 19 04 24.6 -0.3
NNS Nan Shan 0.96 309 eP Sb 19 04 37.2 0.0
YOJ Yonaguni jima 0.98 50 P P 19 04 25.2 +0.1
YOJ Yonaguni jima 0.98 50 eP Sb 19 04 37.8 +0.2
ENTT Nioudou 0.99 325 i P P 19 04 24.9 -0.3
ENTT Nioudou 0.99 325 eP Sb 19 04 37.9 0.0
TWE Neicheng 1.01 332 eP P 19 04 25.4 -0.1
TWE Neicheng 1.01 332 eP Sb 19 04 38.4 -0.1
ILA ilan 1.02 337 eP P 19 04 25.6 0.0
ILA ilan 1.02 337 eP Sb 19 04 39.3 +0.6
TWT Tachien 1.02 295 P P 19 04 25.5 -0.1
TWT Tachien 1.02 295 eP Sb 19 04 38.6 -0.2
CHKT Chengkung 1.05 226 eP P 19 04 25.0 -1.1
CHKT Chengkung 1.05 226 eP Sb 19 04 37.7 -1.9
NSK Sangung 1.14 318 eP P 19 04 27.1 -0.2
NSK Sangung 1.14 318 eP Sb 19 04 40.7 -1.4
SMLT Sun Moon Lake 1.18 273 eP P 19 04 28.0 +0.1
SMLT Sun Moon Lake 1.18 273 eP Sb 19 04 42.8 -0.5
YUS Yu-Shan 1.19 254 eP P 19 04 28.5 +0.5
YUS Yu-Shan 1.19 254 eP Sb 19 04 42.7 -0.6
TWB1 Santiao Chiao 1.19 351 eP P 19 04 27.9 -0.1
TWB1 Santiao Chiao 1.19 351 eP Sb 19 04 42.2 -1.2
TYC Yuchr 1.22 274 eP P 19 04 28.4 -0.1
TYC Yuchr 1.22 274 eP Sb 19 04 43.7 -0.6
ELDTW Lidau 1.25 240 eP P 19 04 28.2 -0.6
ELDTW Lidau 1.25 240 eP Sb 19 04 43.7 -1.2
TWA Mucha 1.27 334 P P 19 04 29.7 +0.5
TWA Mucha 1.27 334 eP Sb 19 04 45.6 +0.1
NWF Wu-fen Shan 1.29 343 eP P 19 04 29.9 +0.5
NWF Wu-fen Shan 1.29 343 eP Sb 19 04 45.0 -1.0
ALS Alishan 1.31 256 iP P 19 04 30.4 +0.8
ALS Alishan 1.31 256 eP Sb 19 04 46.5 +0.1
NSTT Nanjuang 1.35 307 eP P 19 04 31.3 +1.1
NSTT Nanjuang 1.35 307 eP Sb 19 04 47.2 -0.1
TAP1 Taipei 1.35 333 eP P 19 04 30.4 +0.2
TAP1 Taipei 1.35 333 eP Sb 19 04 47.3 -0.1
WNT Mingjian 1.38 272 P P 19 04 31.8 +1.2
WNT Mingjian 1.38 272 eP Sb 19 04 49.0 +0.9
TWQ1 Lyutan 1.40 292 eP P 19 04 32.0 +1.1
TWQ1 Lyutan 1.40 292 eP Sb 19 04 49.0 +0.9
CHNS Tsaling 1.41 261 P P 19 04 32.1 +1.1
CHNS Tsaling 1.41 261 eP Sb 19 04 48.9 +0.2
TCU Taichung 1.42 283 eP P 19 04 31.2 0.0
TCU Taichung 1.42 283 eP Sb 19 04 48.3 -0.8
NSY Sanyi 1.43 294 eP P 19 04 31.6 +0.3
NSY Sanyi 1.43 294 eP Sb 19 04 48.5 -0.9
TWG Pinlang 1.44 226 eP P 19 04 30.6 -0.8
TWG Pinlang 1.44 226 eP Sb 19 04 48.5 -1.1
TWS1 Kuangyinshan 1.45 331 eP P 19 04 32.0 +0.4
TWS1 Kuangyinshan 1.45 331 eP Sb 19 04 50.2 +0.3
NCU National Centr 1.46 321 eP P 19 04 31.3 -0.4
NCU National Centr 1.46 321 eP Sb 19 04 49.6 -0.5
STYT Tuayuan 1.47 244 eP P 19 04 32.3 +0.4
STYT Tuayuan 1.47 244 eP Sb 19 04 50.2 -0.3

2008 DEC HSN Hsinchu 1.48 311 eP P 19 04 31.1 -0.8
HSN Hsinchu 1.48 311 eP Sb 19 04 50.4 -0.1
HATJ Hateruma jima 1.49 81 P P 19 04 32.4 +0.3
HATJ Hateruma jima 1.49 81 eP Sb 19 04 50.8 -0.1
IRIF Iriomote-Funau 1.49 70 P P 19 04 32.4 +0.2
IRIF Iriomote-Funau 1.49 70 eP Sb 19 04 51.2 +0.3
WKG Gukung 1.50 265 P P 19 04 33.2 +0.9
WKG Gukung 1.50 265 eP Sb 19 04 52.6 +1.5
CHY Chiayi 1.65 259 eP P 19 04 35.4 +1.0
CHY Chiayi 1.65 259 eP Sb 19 04 54.4 -0.5
SGST Jiashian 1.65 244 P P 19 04 36.1 +1.8
SGST Jiashian 1.65 244 eP Sb 19 04 56.6 +1.7
CHN1 Nanshi 1.66 248 P P 19 04 35.7 +1.3
CHN1 Nanshi 1.66 248 eP Sb 19 04 56.8 +1.8
ECL Tainai 1.67 223 eP P 19 04 34.0 -0.7
ECL Tainai 1.67 223 eP Sb 19 04 53.5 -1.9
JKRS Kuro-shima 1.71 76 P P 19 04 35.7 +0.6
JKRS Kuro-shima 1.71 76 eP Sb 19 04 56.5 +0.2
WTCT Ta-ch'eng 1.75 272 eP P 19 04 37.1 +1.4
WTCT Ta-ch'eng 1.75 272 eP Sb 19 04 59.8 +2.6
SSD Sandimen 1.79 233 eP P 19 04 37.5 +1.2
SSD Sandimen 1.79 233 eP Sb 19 04 58.6 +0.3
CHN3 Shinhua 1.84 246 eP P 19 04 36.5 -0.4
CHN3 Shinhua 1.84 246 eP Sb 19 04 58.6 -0.8
JIJ Ishigaki jima 1.86 73 P P 19 04 37.0 -0.2
JIJ Ishigaki jima 1.86 73 eP Sb 19 04 58.6 -1.4
LAY Lan-yu 1.88 198 eP P 19 04 36.6 -0.8
LAY Lan-yu 1.88 198 eP Sb 19 04 59.7 +0.5
CHN8 Yiji 1.88 256 eP P 19 04 37.8 +0.1
CHN8 Yiji 1.88 256 eP Sb 19 04 59.8 -0.6
EAST Anshuo 1.90 221 eP P 19 04 37.8 +0.1
EAST Anshuo 1.90 221 eP Sb 19 05 00.7 -0.1
TWM1 Shoushan 1.91 239 eP P 19 04 37.3 -0.6
TWM1 Shoushan 1.91 239 eP Sb 19 04 58.1 -0.2
SCLT Jiaili 1.95 251 eP P 19 04 38.1 -0.2
SCLT Jiaili 1.95 251 eP Sb 19 05 01.7 -0.4
SCZT Fangliu 2.05 225 eP P 19 04 41.3 +1.5
SCZT Fangliu 2.05 225 eP Sb 19 05 05.8 +1.2
JTJ Tarama 2.43 70 P P 19 04 45.1 +0.1
JTJ Tarama 2.43 70 eP Sb 19 05 13.2 -0.8
PNG Penghu 2.43 264 eP P 19 04 45.0 0.0
PNG Penghu 2.43 264 eP Sb 19 05 13.2 -0.9

ISCJB 09 19:12:26.3+1.2, 34.00N, 0.07-26.23E, 0.06, h17km, 9km, mb3.8/8, Error ellipse: s-maj=12.5km s-min=7.4km az=17.9
ATH 09 19:12:26.8, 34.09N, 26.18E, h11km, 1km, MD3.6/9
IDC 09 19:12:26.4, 1.1, 34.32N, 26.13E, h0km, mb3.9/8, mb1.3/8/11, mb1mx3.6/26, mbtmp3.7/11, ML3.4/3, MS3.7/1, Ms1.3/7.1, ms1mx2.7/39, Error ellipse: s-maj=26.3km s-min=19.0km az=177.3

CSEM 09 19:12:28.0, 0.5, 34.15N, 26.22E, h20km, MD3.6, Error ellipse: s-maj=16.3km s-min=8.6km az=20.0
NEIC 09 19:12:28.7, 5.2, 34.25N, 26.24E, h18km, 36km, Error ellipse: s-maj=20.2km s-min=10.1km az=201.0
ISC 09 19:12:27.3, 1.5, 34.10N, 0.06-26.19E, 0.04, h12km, 9km, n55, c126/69, mb3.8/8, Crete

Code Station Name Az AZZ Phase ID Time Res
NPS Neapolis 1.25 338 Op P 19 12 49.9 -0.7
NPS Neapolis 1.25 338 eSb Sb 19 13 07.2 +0.2
NPS Neapolis 1.25 338 eP Pb 19 12 49.9 -0.7
SIVA Sivas 1.46 309 eP Pb 19 12 54.2 -0.2
SIVA Sivas 1.46 309 eP Sb 19 12 54.2 -0.2
IDI Anoyia 1.60 318 eP Pb 19 12 57.2 -0.6
IDI Anoyia 1.60 318 eP Sb 19 12 57.4 -0.6
KARP Karpathos 1.65 29 eP Pb 19 12 58.2 +0.5
KARP Karpathos 1.65 29 eP Sb 19 13 07.7 +0.2
VAM Vamos 2.09 309 eP Pb 19 13 03.8 -1.4
VAM Vamos 2.09 309 eP Sb 19 13 31.8 +0.6
KARN Karanos 2.28 305 eP Pb 19 13 07.2 -1.1
KARN Karanos 2.28 305 eP Sb 19 13 07.2 -1.1
ARG Arkhangelos 2.64 36 eP Pb 19 13 11.9 +2.2
ARG Arkhangelos 2.64 36 eP Sb 19 13 11.9 +2.2
APE Apeiranthos 3.01 350 eP Pb 19 13 16.1 +2.3
APE Apeiranthos 3.01 350 eP Sb 19 13 26.5 +2.0
VLI Veliai 3.73 315 eP Pb 19 13 26.4 +1.8
VLI Veliai 3.73 315 eP Sb 19 13 53.2 -2.1
CSS Prodromos 5.96 80 eP Pb 19 14 57.7 -5.7
CSS Prodromos 5.96 80 eP Sb 19 14 21.3 +1.2
MMAI Mount Meron Ar 7.77 95 P P 19 15 42.5 -2.8
MMAI Mount Meron Ar 7.77 95 P P 19 15 42.5 -2.8
EIL Elat 8.66 118 P P 19 14 33.9 +1.5
EIL Elat 8.66 118 P P 19 14 33.9 +1.5
EIL Elat 8.66 118 P P 19 14 33.9 +1.5
TIP Timpagearde 9.12 306 eP Pb 19 14 37.0 -1.6
TIP Timpagearde 9.12 306 eP Sb 19 16 29.9 -0.1
GERES GERES Array B 17.42 331 P P 19 16 29.9 -0.1
GERES GERES Array B 17.42 331 P P 19 16 29.9 -0.1
ESDC Sonseca Array 24.68 292 P P 19 17 48.2 +0.2
ESDC Sonseca Array 24.68 292 P P 19 17 48.2 +0.2
FINES FINESS Array B 27.36 360 P P 19 17 48.2 +0.2
FINES FINESS Array B 27.36 360 P P 19 18 10.1 -1.9
FINES FINESS Array B 27.36 360 P P 19 18 10.1 -1.9
TORD Torodi Ar. Bea 30.49 233 P P 19 18 41.6 +1.3
TORD Torodi Ar. Bea 30.49 233 P P 19 18 41.6 +1.4
ARCES ARCES Array B 35.49 360 P P 19 19 20.4 -3.0
ARCES ARCES Array B 35.49 360 P P 19 19 20.4 -3.0
ARCES ARCES Array B 35.49 360 P P 19 19 20.4 -3.0
KURK Kurchatov 41.20 50 P P 19 20 12.1 +0.4
KURK Kurchatov 41.20 50 P P 19 20 12.1 +0.4
KURK Kurchatov 41.20 50 P P 19 20 12.1 +0.4
MKAR Makanchi Array 43.66 56 P P 19 20 32.9 +1.1
MKAR Makanchi Array 43.66 56 P P 19 20 32.9 +1.1

9d 19h MKAR Makanchi Array 43.66 56 P P 19 20 32.9 +1.1
MKAR Makanchi Array 43.66 56 P P 19 20 32.8 +1.1
ZALV Zalesovo Beam 45.13 45 P P 19 20 43.2 -0.2
ZALV Zalesovo Beam 45.13 45 P P 19 20 43.2 -0.2
SCHO Schefferville 64.54 320 P P 19 23 04.3 +0.4
SCHO Schefferville 64.54 320 P P 19 23 04.3 +0.4
SCHO Schefferville 64.54 320 P P 19 23 04.3 +0.4

IDC 09 19:19:21.9-2.7, 5.50S, 151.58E, h0km, mb3.7/3, mb1.3/8.4, mb1mx3.5/15, mbtmp3.8/4, ML2.9/1, Error ellipse: s-maj=127.2km s-min=23.8km az=122.0, New Britain region

Code Station Name Az AZZ Phase ID Time Res
PMG Port Moresby 5.85 228 Op P 19 20 52.0 +2.1
PMG Port Moresby 5.85 228 P P 19 21 59.4 +1.6
WRA Warrungarra Arr 22.07 228 i P P 19 28 11.3 -1.3
WRA Warrungarra Arr 22.07 228 eP Sb 19 28 17.0 -1.2
ASAR Alice Springs 24.82 222 P P 19 24 45.4 -0.5
PETK Petropavlovsk- 58.61 4 P P 19 29 19.7 -0.8
TORD Torodi Ar. Bea 149.35 286 PKPbc PKPbc 19 39 14.9 +1.0

GUC 09 19:25:51.2, 0.6, 30.37S, 66.82W, h146km, 181km, ML4.5, 1C-2D, La Rioja Province

Code Station Name Az AZZ Phase ID Time Res
TLL Tololo Astrono 3.46 272 Op P 19 26 45.9 +1.6
TLL Tololo Astrono 3.46 272 i P S 19 27 26.9 +1.6
LCO Las Campanas 3.64 291 i P P 19 26 47.8 +1.2
LCO Las Campanas 3.64 291 i P S 19 27 31.1 +1.4
CMCH Combarbala 3.69 256 i S AML 19 27 32.1
CMCH Combarbala 3.69 256 i S AML 19 27 31.4 +0.7
PEL Peldehue 4.30 229 i P P 19 26 56.1 +0.8
PEL Peldehue 4.30 229 i P S 19 27 45.7 +0.6

ISCJB 09 19:38:29.4+2.0, 10.66S, 0.07, 164.77E, 0.10, h82km, 17km, mb4.2/3, Error ellipse: s-maj=18.0km s-min=8.0km

IDC 09 19:38:31.4+3.3, 10.73S, 164.72E, h87km, 27km, mb3.9/15, mb1.4/0/16, mb1mx4.0/20, mbtmp3.9/16, MS3.7/3, Ms1.3/7.3, ms1mx3.4/25, Error ellipse: s-maj=20.8km s-min=14.8km az=75.0

NEIC 09 19:38:31.9+1.5, 10.63S, 164.69E, h90km, 12km, mb4.5/9, Error ellipse: s-maj=12.8km s-min=8.8km az=61.0
ISC 09 19:38:32.0+1.6, 10.67S, 0.07, 164.72E, 0.09, h99km, 13km, n74, c190/68, mb4.2/23, Santa Cruz Islands region

Code Station Name Az AZZ Phase ID Time Res
HNR Honiara 4.86 284 P P 19 39 42.3 -0.5
HNR Honiara 4.86 284 P P 19 40 38.8 +0.9
HNR Honiara 4.86 284 S S 19 40 38.8 +0.9
HNR Honiara 4.86 284 eS S 19 40 40.2 +2.3
DZM Mont Dzumac 11.46 172 eP Pb 19 41 14.0 +1.4
DZM Mont Dzumac 11.46 172 eP Sb 19 41 18.0 -0.8
PMG Port Moresby 17.34 273 P P 19 42 27.3 -1.1
PMG Port Moresby 17.34 273 P P 19 42 27.3 -1.2
CTA Charters Tower 20.10 240 P P 19 42 59.5 +0.8
CTA Charters Tower 20.10 240 eP P 19 49 51.9
AFI Afiamalu 23.18 100 LR LR 19 50 36.5
URZ Urewera 29.64 160 P P 19 44 28.5 -0.4
URZ Urewera 29.64 160 P P 19 44 28.5 -0.4
STKA Stephens Creek 30.04 222 LR LR 19 56 50.8
WRA Warrungarra Arr 30.68 249 P P 19 44 36.6 -1.8
WRA Warrungarra Arr 30.68 249 P P 19 47 34.3 -0.2
WRA Warrungarra Arr 30.68 249 P P 19 44 36.6 -1.8
WRA Warrungarra Arr 30.68 249 P P 19 47 34.3 -0.2
ASAR Alice Springs 32.07 242 P P 19 44 48.6 -2.0
ASAR Alice Springs 32.07 242 P P 19 47 37.5 -0.7
ASAR Alice Springs 32.07 242 P P 19 44 48.6 -2.0
ASAR Alice Springs 32.07 242 P P 19 47 37.5 -0.7
RPZ Rata Peaks 33.38 172 P P 19 45 01.4 -0.4
RPZ Rata Peaks 33.38 172 P P 19 45 01.4 -0.4
FITZ Fitzroy Crossi 38.51 254 P P 19 45 44.8 -1.1
FITZ Fitzroy Crossi 38.51 254 P P 19 45 44.8 -1.1
FITZ Fitzroy Crossi 38.51 254 P P 19 45 44.8 -1.1
MJAR Matushiro Arr 53.18 333 P P 19 47 39.6 -1.3
KSRK Korea Array 59.00 326 P P 19 48 22.6 +0.2
KSAR Wonju Array Be 59.01 326 P P 19 48 22.6 +0.1
PETK Petropavlovsk- 63.80 355 P P 19 48 54.3 -0.1
PETK Petropavlovsk- 63.80 355 P P 19 48 54.3 -0.1
VANDA Vanda 66.86 181 eP P 19 49 14.6 +0.8
SBA Scott Base 67.18 180 P P 19 49 18.4 +2.4
CMAR Chiang Mai Arr 71.04 294 P P 19 49 41.8 +0.9
CHTO Chiang Mai Arr 71.04 294 P P 19 49 39.1 -2.4
ULAN Ulanbaatar 77.41 324 eP P 19 50 16.4 -0.8
SONMI Songino Array 77.77 324 P P 19 50 20.4 +1.2
SONMI Songino Array 77.77 324 P P 19 50 20.4 +1.2
BILL Bilibino 78.51 1 eP P 19 50 22.7 -0.1
QSPA South Pole Qui 79.33 180 eP P 19 50 27.9 +0.6
ILAR Eielson Array 83.48 19 P P 19 50 48.7 -0.6
ILAR Eielson Array 83.48 19 P P 19 50 48.7 -0.6
TAPN Tapejlung 83.54 299 eP P 19 50 51.3 +0.8
TAPN Tapejlung 83.54 299 eP P 19 50 51.3 +0.8
ODAN Odare 83.69 299 eP P 19 50 52.1 +0.8
ODAN Odare 83.69 299 eP P 19 50 52.1 +0.8
RAMN Ramite 84.39 299 eP P 19 50 55.3 +0.4
RAMN Ramite 84.39 299 eP P 19 50 55.3 +0.4
JIRN Jiri 84.93 299 eP P 19 50 58.5 +1.0
GUN Gumba 85.26 299 eP P 19 51 00.2 +1.0
GUN Gumba 85.26 299 eP P 19 51 00.2 +1.0
PKI Pulchoki 85.58 299 eP P 19 51 01.4 +0.6
PKI Pulchoki 85.58 299 eP P 19 51 01.4 +0.6
KKN Kakani 85.74 299 eP P 19 51 02.3 +0.7
KKN Kakani 85.74 299 eP P 19 51 02.3 +0.7





2008 DEC

Table with columns: ID, Name, Score, Rank, Status, Date, and other details. Includes entries like 9d 20h, 125A, 125B, 125C, etc.

Table with columns: ID, Name, Score, Rank, Status, Date, and other details. Includes entries like SNOW, 428A, K18A, O20A, etc.

Table with columns: ID, Name, Score, Rank, Status, Date, and other details. Includes entries like PLCA, PLCA, PLCA, etc.





Table of astronomical observations for 9d 21h, listing station names, coordinates, and observation details.

Table of astronomical observations for 2008 DEC, listing station names, coordinates, and observation details.

Table of astronomical observations for 400, listing station names, coordinates, and observation details.

Table with columns for station name, frequency, power, and coordinates. Includes stations like PSI Prapat, SNG Songkhla, KULM Kulim, NNT Nongplab, etc.

Table with columns for station name, frequency, power, and coordinates. Includes stations like TGY Tagaytay City, KAPI Kappang, WHN Wuhan, YUL Yu-li, etc.

Table with columns for station name, frequency, power, and coordinates. Includes stations like SONM Songino Array, KAPU Kappang, KURK Kurchatov, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like FRF La Forest Royal, HAU Haudompre, LMR La Moure, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CPUP Villa Florida, LPAZ La Paz, LPAZ La Paz, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like OJC Ojcow, OKC Ostrava-Krasne, MORC Moravsky Berou, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GBS2 Las Lilas, GBS3 Finca Las Im'i, GBA1 Borinquen Arri, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KIW Kapiti Island, TMWZ Te Maipa, TMWZ Te Maipa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SMDO SNR=74, PTH Pithoragarh, HOQ Hoqain, etc.

NEIC 09 22:13:35.4, 37.97S, 176.13E, h176km, MG3.8(WEL), After WEL

WEL 09 22:13:35.3, 0.4, 37.98S, 176.14E, h178km, 3km, ML3.8/9, Error ellipse: s-maj=3.8km s-min=2.5km az=30, North Island

ISJCJB 09 22:52:35.6, 0.1, 30.38N, 107.02E, 67.43E, 0.01, h10km, mb5.5/301, MS5.6/218, Error ellipse: s-maj=2.4km s-min=1.7km az=11.4

NEIC 09 22:52:37.6, 0.1, 30.44N, 67.40E, h10km, mb5.7/20, MS5.7/122, MW5.6, MW5.5, Error ellipse: s-maj=3.1km s-min=2.5km az=10.0, Moment Tensor Solution, s=30

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HATD Hatta, Dubai, BHPH Bhopal, HATD Hatta, Dubai, etc.

NEIC 09 22:52:37.6, 0.1, 30.39N, 102.67, 42E, 0.01, h10km, (h13km, 1.9km, P-P), n1224, s196/1197, mb5.5/301, MS5.6/218, 122C-43D, Pakistan

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

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

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





9d 22h

2008 DEC

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Table with columns for station name, frequency, polarization, and other technical details. Includes stations like ATAB, MALTA, KEMA, etc.

Table with columns for station name, frequency, polarization, and other technical details. Includes stations like LZH, CM31, CMAR, etc.

Table with columns for station name, frequency, polarization, and other technical details. Includes stations like TLY, LEOM, FURI, etc.





comp=Z,234nm,1.1s,mb5.7	FOEL	comp=Z,117nm,1.7s,mb5.6	AMB	AMB	23 02 11.4	PCBR	Castelo Branco	60.36 301	eP	P	23 02 47.1 +0.2
CAF Calviac 52.40 305	P	XDE Dent Fell 54.99 318	eP	P	23 02 09.0 +0.2	ERM Ermo	60.37 56	PFAKE	LR	P	23 03 00.0 +1.3
CAF Calviac 52.40 305	pmax	SJPF Ste Jean 55.03 304	RP	P	23 02 09.0 -0.3	ERM Ermo	comp=Z,7µm,20.0s,MS5.8				
comp=Z,234nm,1.1s,mb5.0	Pmax	SJPF Ste Jean 55.03 304	RP	P	23 02 09.0 -0.3	SFS SFS	60.37 56	iP	P	P	23 02 47.5 +0.6
comp=Z,235nm,1.1s,mb6.0	Pmax	SJPF Ste Jean 55.03 304	RP	P	23 02 09.0 -0.3	SFS SFS	60.38 297	PFAKE	LR	P	23 03 00.0 +1.3
RER Riviere de l'E 52.47 194	LR	SJPF Ste Jean 55.03 304	RP	P	23 02 09.0 -0.3	GTOT Gorron	comp=Z,4µm,19.0s,MS5.5	60.41 108	P	P	23 02 46.7 -0.8
RER Riviere de l'E 52.47 194	LR	SGMF Saint Gilles 55.10 310	RP	P	23 02 09.4 -0.3	PMRV Marv??	comp=Z,1µm,18.0s	61.12 301	eP	P	23 02 46.9 -0.3
MTLF Montolieu 52.51 303	P	SGMF Saint Gilles 55.10 310	RP	P	23 02 09.4 -0.3	EVO Evora	comp=Z,316nm,1.4s,mb6.0				
MTLF Montolieu 52.51 303	P	SGMF Saint Gilles 55.10 310	RP	P	23 02 09.4 -0.3	EVO Evora	comp=Z,2µm,19.5s				
MTLF Montolieu 52.51 303	pmax	SGMF Saint Gilles 55.10 310	RP	P	23 02 09.4 -0.3	EVO Evora	comp=Z,2µm,19.5s				
MTLF Montolieu 52.51 303	pmax	TAM Tamnasset 55.29 278	eP	P	23 02 09.9 -1.5	PMRV PMRV	comp=Z,2µm,18.0s				
RJF Les Rejaudoux 52.73 306	P	TAM Tamnasset 55.29 278	eP	P	23 02 09.9 -1.5	PVIS Viseu	comp=Z,178nm,1.7s,mb5.8	60.43 302	eP	P	23 02 47.6 +0.3
RJF Les Rejaudoux 52.73 306	P	TAM Tamnasset 55.29 278	eP	P	23 02 09.9 -1.5	PBAR Barrancos	comp=Z,338nm,1.6s,mb6.2	60.51 299	eP	P	23 02 47.7 -0.2
RJF Les Rejaudoux 52.73 306	pmax	EAB Aberfoyle 55.35 320	eP	P	23 02 10.6 -0.8	PBAR PBAR	comp=Z,1µm,16.0s	60.73 300	eP	P	23 11 05.4 +1.8
RJF Les Rejaudoux 52.73 306	pmax	PGBU Glenifferbraes 55.46 319	AMS	AMS	23 03 05.8	PESTR PESTR	comp=Z,167nm,1.6s,mb5.9				
SDKM Sandakan 52.80 107	P	QUIF Quistinic 55.55 310	eP	P	23 02 12.2 -0.8	PESTR PESTR	comp=Z,1µm,18.0s	61.12 301	eP	P	23 02 48.8 -0.6
SPA0 Spitsbergen Ar 52.80 348	P	QUIF Quistinic 55.55 310	eP	P	23 02 12.2 -0.8	PTOM Tona	comp=Z,352nm,1.3s,mb6.3				
SPITS Spitsbergen Ar 52.80 348	P	QUIF Quistinic 55.55 310	eP	P	23 02 12.2 -0.8	EVO Evora	comp=Z,316nm,1.4s,mb6.0				
SPITS Spitsbergen Ar 52.80 348	P	QUIF Quistinic 55.55 310	eP	P	23 02 12.2 -0.8	EVO Evora	comp=Z,2µm,19.5s				
SPITS Spitsbergen Ar 52.80 348	P	QUIF Quistinic 55.55 310	eP	P	23 02 12.2 -0.8	EVO Evora	comp=Z,227nm,1.6s,mb6.0	61.14 300	eP	P	23 02 52.1 -0.1
SPB4 Spitsbergen Ar 52.81 348	eP	ROSF Rostrenen 55.56 310	RP	P	23 02 12.4 -0.6	PMTG Montargil	comp=Z,199nm,1.5s,mb6.0	61.14 301	eP	P	23 02 51.6 -0.6
ABPO Ambohimanom 52.83 204	eP	ROSF Rostrenen 55.56 310	RP	P	23 02 12.4 -0.6	PMTG PMTG	comp=Z,2µm,20.0s	61.16 116	P	P	23 11 13.7 -2.2
ABPO Ambohimanom 52.83 204	eP	ROSF Rostrenen 55.56 310	RP	P	23 02 12.4 -0.6	KAPI Kappang	comp=Z,31nm,1.1s,mb5.4	61.16 116	P	P	23 02 51.1 -1.5
ABPO Ambohimanom 52.83 204	pmax	GALI Galloway 55.67 318	AMS	AMS	23 30 54.6	KAPI Kappang	comp=Z,6.1nm,0.6s,baz=169,slow=5.6,SNR=6.2				
JOW Kumigami 52.98 78	P	HTL Hartland 55.97 314	AMS	AMS	23 33 52.1	KAPI Kappang	comp=Z,3µm,20.0s,MS5.4	61.16 116	P	P	23 02 52.3 -0.3
JOW Kumigami 52.98 78	P	SMKI Samarinda 56.36 113	P	P	23 02 20.6 +1.4	KAPI Kappang	comp=Z,31nm,1.1s,mb5.4	61.18 299	eP	P	23 02 52.6 +0.1
JOW Kumigami 52.98 78	P	BBKI Banjar Baru 56.40 118	P	P	23 02 19.9 +0.4	KAPI Kappang	comp=Z,157nm,1.6s,mb5.9	61.22 300	RP	P	23 02 52.5 -0.3
JOW Kumigami 52.98 78	P	JMIC Jan Mayen 57.02 338	LR	LR	23 28 24.6	KAPI Kappang	comp=Z,316nm,1.4s,mb6.2	61.22 300	RP	P	23 02 52.5 -0.3
JOW Kumigami 52.98 78	P	KBKI Kotabaru 57.31 117	P	P	23 02 26.8 +0.9	PVAO Vaqueiros	comp=Z,316nm,1.4s,mb6.2	61.26 299	eP	P	23 02 52.9 -0.1
JOW Kumigami 52.98 78	P	ESDC Sonseca Array 57.80 300	P	P	23 02 28.3 -0.8	PVAO Vaqueiros	comp=Z,196nm,1.6s,mb6.0				
JOW Kumigami 52.98 78	P	ESDC Sonseca Array 57.80 300	P	P	23 02 28.3 -0.8	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2
JOW Kumigami 52.98 78	P	ESLA Sonseca Array 57.80 300	P	P	23 02 28.6 -0.5	PCVE Castro Verde	comp=Z,240nm,1.7s,mb6.0	61.43 299	eP	P	23 02 54.4 +0.2

Table with columns for station name, frequency, power, and other technical details. Includes stations like PETK, WRAB, WBB2, WBB3, WBB4, WBB5, WBB6, WBB7, WBB8, WBB9, WBB10, WBB11, WBB12, WBB13, WBB14, WBB15, WBB16, WBB17, WBB18, WBB19, WBB20, WBB21, WBB22, WBB23, WBB24, WBB25, WBB26, WBB27, WBB28, WBB29, WBB30, WBB31, WBB32, WBB33, WBB34, WBB35, WBB36, WBB37, WBB38, WBB39, WBB40, WBB41, WBB42, WBB43, WBB44, WBB45, WBB46, WBB47, WBB48, WBB49, WBB50, WBB51, WBB52, WBB53, WBB54, WBB55, WBB56, WBB57, WBB58, WBB59, WBB60, WBB61, WBB62, WBB63, WBB64, WBB65, WBB66, WBB67, WBB68, WBB69, WBB70, WBB71, WBB72, WBB73, WBB74, WBB75, WBB76, WBB77, WBB78, WBB79, WBB80, WBB81, WBB82, WBB83, WBB84, WBB85, WBB86, WBB87, WBB88, WBB89, WBB90, WBB91, WBB92, WBB93, WBB94, WBB95, WBB96, WBB97, WBB98, WBB99, WBB100.

Table with columns for station name, frequency, power, and other technical details. Includes stations like WRAB, WBB2, WBB3, WBB4, WBB5, WBB6, WBB7, WBB8, WBB9, WBB10, WBB11, WBB12, WBB13, WBB14, WBB15, WBB16, WBB17, WBB18, WBB19, WBB20, WBB21, WBB22, WBB23, WBB24, WBB25, WBB26, WBB27, WBB28, WBB29, WBB30, WBB31, WBB32, WBB33, WBB34, WBB35, WBB36, WBB37, WBB38, WBB39, WBB40, WBB41, WBB42, WBB43, WBB44, WBB45, WBB46, WBB47, WBB48, WBB49, WBB50, WBB51, WBB52, WBB53, WBB54, WBB55, WBB56, WBB57, WBB58, WBB59, WBB60, WBB61, WBB62, WBB63, WBB64, WBB65, WBB66, WBB67, WBB68, WBB69, WBB70, WBB71, WBB72, WBB73, WBB74, WBB75, WBB76, WBB77, WBB78, WBB79, WBB80, WBB81, WBB82, WBB83, WBB84, WBB85, WBB86, WBB87, WBB88, WBB89, WBB90, WBB91, WBB92, WBB93, WBB94, WBB95, WBB96, WBB97, WBB98, WBB99, WBB100.

Table with columns for station name, frequency, power, and other technical details. Includes stations like CASY Casey, ERPA Erie, EGMT Eagleton, NLWA Neilton Lookou, BBSR BB Station, AAM Ann Arbor, LAO LASA Array, MSO Missoula, TAU Tasmania Unive, HAWA Hanford, JFWS Jewell Farm, CBN Corbin, BOZ Bozeman (W), RCBR Riachuelo, ACSO Alum Creek Sta, RLMT Red Lodge, ECSD EROS Data Cent, BMO Blue Mountains, LWKY Lake, SCIA State Center, BLA Blacksburg, HLID Hailey, CNNC Cliffs of the, BW06 Boulder Array, AHID Auburn Hatcher, WVOR Wild Horse Val, JOHN Johnston Island, OGNE Ogallala, HWUT Hardware Ranch, KSU1 Kansas State U, BMN Battle Mountai, DUG Dugway, ISCO Idaho Springs, CBKS Cedar Bluff, GOGA Godfrey, PLAL Pickwick Lake, NVAR Mina Array Bea, MVU Mina Array Bea, MVU Marysville, ANWB Willy Bob, TPH Tonopah, OXF Oxford, SDCO Great Sand Dun, MVCO Mesa Verde, MIAR Mount Ida, BBGH Gun Hill, FDF Fort de France, DAC Darwin (Calif), SJG San Juan, AMTX Amarillo, BRAL Brewton, ANMO Albuquerque, NATX Nacogdoches, PFO Pinyon Flat Ob, MSFV Nonsavu, MNTX Cornudas Mount.





9d 23h

626A	Big Bend Ranch	12.67 337	↑P	Px	23 47 18.7
528A	Cox Ranch, San	12.78 343	↑P	Px	23 47 20.7
527A	Woodard Ranch	13.02 339	↓P	Px	23 47 23.1
526A	Mary Lane Ranch	13.11 338	↓P	Px	23 47 23.9
428A	Kincaid Ranch,	13.29 344	↑P	Px	23 47 26.5
427A	Hayler Ranch,	13.61 341	↓P	Px	23 47 30.2
426A	McDonald Obser	13.64 339	↑P	Px	23 47 30.3
328A	Wristen Ranch,	13.94 344	↑P	Px	23 47 33.8
425A	Indio Mountain	14.10 336	↓P	Px	23 47 35.4
326A	Caldwell Ranch	14.22 340	↓P	Px	23 47 36.7
325A	Bean Ranch, Si	14.61 337	↑P	Px	23 47 40.9
227A	Bennet, Jal	14.66 343	↑P	Pn	23 47 41.4 +4.9
226A	Malaga, Loving	14.95 341	↓P	Pn	23 47 45.1 +4.9
MNTX	Cornudas Mount	15.06 336	↑P	Pn	23 47 45.5 +3.8
MNTX	Cornudas Mount	15.06 336	ePh	Pn	23 47 42.2 +0.6
JTS	JuntasAbangare	15.09 119	P	Pn	23 47 43.4 +1.2
JTS	JuntasAbangare	15.09 119	P	Pn	23 47 43.4 +1.2
225A	Deer Hill, Car	15.23 339	↑P	Pn	23 47 48.0 +4.2
127A	Arkansas Junct	15.31 344	↑P	Pn	23 47 48.4 +3.5
224A	Cornudas Mount	15.45 337	↑P	Pn	23 47 50.2 +3.5
126A	Clayton Basin,	15.47 342	↓P	Pn	23 47 50.5 +3.6
125A	Gardner Draw,	15.68 340	↑P	Pn	23 47 52.9 +3.3
Z27A	Tatum	15.88 345	↑P	Pn	23 47 54.2 +2.1
Z26A	Caprock	16.04 343	↓P	Pn	23 47 56.4 +2.2
222A	Williams Famil	16.12 332	↓P	Pn	23 47 56.9 +1.7
320A	Kipp Ranch, An	16.17 327	↓P	Pn	23 47 58.1 +2.3
Z25A	Roswell	16.27 341	↓P	Pn	23 47 59.0 +2.0
MSTX	Muleshoe	16.41 347	↓P	Pn	23 48 01.0 +2.2
Y27A	Causey	16.41 346	↓P	Pn	23 47 59.7 +0.9
Y26A	Eliada	16.61 344	↓P	Pn	23 48 03.1 +1.8
220A	Playas Peak, P	16.63 328	↑P	Pn	23 48 03.4 +1.9
Z23A	Rita Site, Whi	16.78 337	↓P	Pn	23 48 05.1 +1.8
121A	Cookes Peak, D	16.79 331	↑P	Pn	23 48 05.6 +2.1
Y25A	Mesa, Roswell	16.86 342	↓P	Pn	23 48 06.0 +1.7
318A	Sisber	17.04 324	↓P	Pn	23 48 09.2 +2.6
MIAR	Mount Ida	17.05 14	ePh	Pn	23 48 09.4 -1.9
Z22A	Elephant Butte	17.06 335	↑P	Pn	23 48 08.2 +1.3
219A	White Tail Can	17.07 327	↑P	Pn	23 48 09.3 +2.2
Y24A	Capitan	17.09 340	↓P	Pn	23 48 09.0 +1.7
AMTX	Amarillo	17.10 351	eP	Pn	23 48 08.4 +1.1
AMTX	Amarillo	17.10 351	eP	Pn	23 48 07.9 +0.6
120A	U Bar Ranch, L	17.20 329	↑P	Pn	23 48 10.9 +2.3
X26A	CR and CF Fran	17.21 345	↓P	Pn	23 48 09.4 +0.7
Y23A	Lovelace Mesa,	17.31 338	↑P	Pn	23 48 10.8 +0.9
Z21A	St. Cloud Mine	17.40 333	↑P	Pn	23 48 12.6 +1.6
X25A	Clemmons Ranch	17.41 342	↑P	Pn	23 48 12.0 +0.8
218A	Draogon	17.48 325	↑P	Pn	23 48 13.5 +1.5
W27A	Bowe Ranch, En	17.52 347	↓P	Pn	23 48 13.1 +0.5
Z20A	Nine Sixteen R	17.65 331	↑P	Pn	23 48 15.5 +1.4
Y22A	Socorro	17.66 336	↑P	Pn	23 48 14.8 +0.6
X24A	Lazy VL Ranch,	17.68 341	↑P	Pn	23 48 14.9 +0.4
119A	Ashpeak Ranch,	17.71 328	↓P	Pn	23 48 16.1 +1.2
BNM	Barren Site	17.72 337	eP	Pn	23 48 16.1 +1.1
LENM	Lemitar	17.86 336	ePh	Pn	23 48 18.8 +2.1
LPM	Nos Pinos Moun	17.86 337	ePh	Pn	23 48 17.8 +1.1
X23A	Hourglass Bar	17.97 339	↓P	Pn	23 48 18.4 +0.7
118A	Homack Ranch,	17.95 327	↓P	Pn	23 48 19.1 +1.3
W25A	X Bar L Ranch,	18.01 344	↓P	Pn	23 48 18.4 0.0
TUL1	Tulsa	18.01 7	↓P	Pn	23 48 17.7 -0.8
LAZ	Ladron	18.13 336	eP	Pn	23 48 19.9 -0.1
TUC	Tucson	18.14 324	eP	Pn	23 48 20.7 +0.7
Y20A	Horse Springs,	18.22 333	↓P	Pn	23 48 21.1 +0.1
W24A	Lazy 6 Ranch,	18.27 341	↓P	Pn	23 48 21.6 -0.1
ANMO	Albuquerque	18.38 339	P	Pn	23 48 22.9 0.0
ANMO	Albuquerque	18.38 339	ePh	Pn	23 48 22.9 0.0
Y26A	Tequesquite Ra	18.39 346	↑P	Pn	23 48 23.4 +0.3
X21A	Alamocita Cree	18.43 335	↓P	Pn	23 48 23.5 -0.1
W23A	Werner Place,	18.46 340	↑P	Pn	23 48 24.0 0.0
W22A	Albuquerque	18.63 338	↓P	Pn	23 48 25.9 0.0
Y25A	Rancho No Teng	18.63 344	↓P	Pn	23 48 25.1 -0.9
Y19A	Nutrosio	18.66 331	↓P	Pn	23 48 26.7 +0.4
Y24A	Rampart Ranch,	18.71 342	↑P	Pn	23 48 26.1 -0.8
Z17A	San Carlos Hig	18.73 327	↑P	Pn	23 48 27.6 +0.4
X20A	Quemado	18.81 333	↑P	Pn	23 48 28.0 -0.1
Y18A	Canyon Day Jun	18.88 329	↑P	Pn	23 48 29.0 0.0
U26A	Atchley Ranch,	18.95 347	↓P	Pn	23 48 29.3 -0.5
V23A	Ortiz Mt. (NFS	19.00 340	↑P	Pn	23 48 30.0 -0.5
X19A	St. Johns	19.06 331	↓P	Pn	23 48 30.8 -0.4
Z14A	Organ Pipe Nat	19.07 320	↓P	Pn	23 48 32.3 +1.0
U25A	Circle Dot Ran	19.11 345	↓P	Pn	23 48 30.0 -0.8
Y17A	Roosevelt	19.23 327	↑P	Pn	23 48 33.0 -0.2
PLAL	Pickwick Lake	19.27 26	eP	Pn	23 48 30.2 -3.4
W20A	Ramah	19.31 334	↑P	Pn	23 48 32.9 -1.2
Y22A	San Miguel Ran	19.40 339	↓P	Pn	23 48 33.9 -1.3
X18A	Snowflake	19.45 330	↓P	Pn	23 48 34.9 -0.9
U23A	El Rito	19.54 341	↑P	Pn	23 48 35.4 -1.4

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V21A	Milan	19.57 337	↑P	Pn	23 48 36.0 -1.1
114A	Black Gap (USA	19.67 321	↓P	Pn	23 48 38.2 -0.2
X17A	Forest Lakes	19.71 328	↓P	Pn	23 48 38.3 -0.6
U22A	Llaves	19.80 339	↑P	Pn	23 48 38.1 -1.8
T25A	Trinidad	19.82 346	↑P	Pn	23 48 38.8 -1.3
V20A	Brinhall	19.88 335	↑P	Pn	23 48 39.2 -1.6
T24A	Torres, Weston	19.91 344	↑P	Pn	23 48 39.8 -1.4
V19A	Window Rock	20.04 334	↑P	P	23 48 41.4 +0.9
X16A	Lo Mia Camp, P	20.10 327	↑P	P	23 48 42.3 +1.2
U21A	Hagezi	20.13 338	↓P	P	23 48 41.8 +0.4
Z14A	Wintersburg	20.14 322	↓P	P	23 48 43.1 +1.6
T23A	Castias Ranch,	20.15 342	↑P	P	23 48 42.0 +0.4
113A	Mohawk Valley,	20.22 320	↓P	P	23 48 43.6 +1.2
W17A	Winslow	20.26 330	↓P	P	23 48 43.7 +0.9
S25A	ePobts Cordova	20.32 346	↑P	P	23 48 43.9 +0.5
WVT	Waverly	20.36 25	eP	P	23 48 41.2 -2.6
T22A	Edith	20.40 340	↑P	P	23 48 44.6 +0.3
U20A	Newcomb	20.40 336	↑P	P	23 48 44.5 +0.2
V18A	Gainado	20.42 332	↓P	P	23 48 45.3 +0.7
Z13A	Yuma Proving G	20.45 321	↑P	P	23 48 46.3 +1.5
S24A	Hotchkiss Ranch,	20.49 344	↑P	P	23 48 46.0 +0.7
T21A	Navajo Lake	20.59 339	↓P	P	23 48 46.7 +0.4
Y14A	Wickenburg	20.59 323	↓P	P	23 48 47.6 +1.2
R27A	Eads	20.60 350	↓P	P	23 48 46.5 +0.1
U19A	Dine' College,	20.61 334	↑P	P	23 48 46.9 +0.3
SDCO	Great Sand Dun	20.66 344	↑P	P	23 48 47.6 +0.4
SDCO	Great Sand Dun	20.66 344	eP	P	23 48 47.6 +0.4
R26A	Arlington	20.73 349	↓P	P	23 48 48.7 +0.8
V17A	Tonalea, Kykot	20.74 330	↓P	P	23 48 48.7 +0.7
R25A	Fountain Ranch	20.75 347	↓P	P	23 48 48.6 +0.5
CBKS	Cedar Bluff	20.80 357	↑P	P	23 48 50.6 +2.0
CBKS	Cedar Bluff	20.80 357	eP	P	23 48 48.4 -0.2
WUAZ	Wupatki	20.93 329	↑P	P	23 48 51.7 +1.6
WUAZ	Wupatki	20.93 329	eP	P	23 48 51.6 +1.5
CCM	Cathedral Cave	20.96 16	eP	P	23 48 48.1 -2.3
U18A	Rough Rock, Ch	20.99 333	↑P	P	23 48 51.0 +0.3
T19A	Beclabito	21.00 336	↑P	P	23 48 51.0 +0.2
R24A	Sanders Place,	21.02 345	↑P	P	23 48 51.8 +0.8
S22A	4UR Ranch, Cre	21.05 341	↑P	P	23 48 51.6 +0.3
GLA	Glamis	21.07 319	↓P	P	23 48 53.4 +1.8
FVM	French Village	21.12 18	eP	P	23 48 52.6 +0.5
MVCO	Mesa Verde	21.13 337	↓P	P	23 48 52.2 +0.1
MVCO	Mesa Verde	21.13 337	eP	P	23 48 52.2 0.0
R23A	Moffat	21.17 344	↑P	P	23 48 53.0 +0.4
S21A	Coal Bank Pass	21.28 339	↑P	P	23 48 53.8 0.0
KSCO	Kaye Sheddok'	21.29 351	↑P	P	23 48 53.8 -0.1
U16A	Tuba City	21.32 331	↓P	P	23 48 54.6 +0.4
Q26A	Huey	21.35 349	↓P	P	23 48 55.0 +0.5
Y12C	Blythe	21.35 320	↓P	P	23 48 54.7 +0.1
R22A	Saguache, Gunn	21.47 342	↑P	P	23 48 56.6 +0.8
Q25A	Bedland, Calha	21.48 347	↓P	P	23 48 55.5 +0.6
U17A	Shonto	21.49 332	↑P	P	23 48 56.8 +0.8
PDMCI	Parker Dam,Lak	21.50 322	↓P	P	23 48 57.7 +1.5
T18A	Mexican Hat	21.60 334	↓P	P	23 48 57.2 -0.1
S20A	Disappointment	21.63 338	↑P	P	23 48 57.6 +0.1
Q24A	Divide	21.73 346	↓P	P	23 48 59.1 +0.5
S19A	Harvey Farm, M	21.84 337	↑P	P	23 48 59.5 -0.3
Q23A	Hartsel	21.84 344	↑P	P	23 49 00.3 +0.5
R21A	Cimarron	21.84 340	↑P	P	23 49 01.1 +1.3
BC3	Big Chuckawall	21.86 319	↑P	P	23 49 00.2 +0.2
T17A	Navajo Res., N	21.88 332	↑P	P	23 49 00.6 +0.4
W13A	Hualapai Mount	21.93 324	↓P	P	23 49 02.2 +1.5
R20A	Redvale	21.96 339	↑P	P	23 49 01.1 +0.1
PV01	Paradox Valley	21.98 338	eP	P	23 49 01.2 0.0
IRM	Iron Mountain	22.01 320	↑P	P	23 49 01.4 -0.2
P25A	Willow Gulch B	22.04 348	↑P	P	23 49 02.1 +0.2
Q22A	Crested Butte,	22.10 342	↓P	P	23 49 02.5 0.0
U15A	North Rim	22.11 329	↓P	P	23 49 03.3 +0.6
S18A	Hurst Farm, Bl	22.13 335	↑P	P	23 49 02.8 0.0
P24A	Kohler Place,	22.20 347	↓P	P	23 49 03.8 +0.3
P23A	Jefferson	22.29 345	↓P	P	23 49 05.1 +0.6
PV04	Paradox Valley	22.32 338	eP	P	23 49 05.5 +0.6
R19A	Curley Farm, L	22.36 337	↓P	P	23 49 05.5 +0.1
SMCO	Snowmass	22.41 342	eP	P	23 49 06.2 +0.4
S17A	Black Ridge (B	22.41 333	↓P	P	23 49 05.9 0.0
O27A	Beecher Island	22.42 352	↑P	P	23 49 05.7 -0.2
BELC	Belle Mtn. Jos	22.43 319	↓P	P	23 49 07.3 +1.3
PFO	Pinyon Flat Ob	22.46 317	↑P	P	23 49 05.6 -0.9
Q26A	Horse Wrangler	22.60 350	↓P	P	23 49 07.2 -0.6
Q20A	Ridgely Place,	22.62 340	↓P	P	23 49 07.3 -0.7
ISCO	Idaho Springs,	22.63 345	↑P	P	23 49 08.3 +0.1
ISCO	Idaho Springs	22.63 345	eP	P	23 49 08.2 0.0
R18A	Canyonlands Na	22.69 336	↓P	P	23 49 08.5 -0.3
P22A	Eagle	22.74 343	↓P	P	23 49 09.0 -0.3
GMRC	Granite Mounta	22.74 321	↑P	P	23 49 10.2 +0.9

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O24A	Longmont	22.82 347	↑P	P	23 49 10.1 0.0
S16A	Weppner Ranch,	22.83 332	↓P	P	23 49 10.2 -0.1
P21A	Newcastle	22.87 342	↑P	P	23 49 10.7 0.0
MURC	Murrieta	22.94 316	↓P	P	23 49 10.7 -0.8
N27A	Anderson Farm,	23.03 352	↓P	P	23 49 11.1 -1.3
O23A	Lake Granby, G	23.10 345	↓P	P	23 49 12.7 -0.4
OGNE	Ogallala	23.11 353	↑P	P	23 49 13.1 -0.1
N26A	Koester Ranch,	23.16 351	↑P	P	23 49 12.7 -0.9
HEC	Hector,Ludlow	23.18 320	↑P	P	23 49 14.2 +0.3
O22A	Kremmling	23.21 344	↓P	P	23 49 13.6 -0.5
R16A	Teasdale	23.25 333	↓P	P	23 49 13.9 -0.6
N25A	Grover	23.29 349	↑P	P	23 49 13.7 -1.1
TUQ	Turquoise Moun				

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include: I22A 9 Mile Ranch, H5U Hansel Valley, L15V Malad City, J19A Crowheart, NVAR Lima Array Ba, NVAR Mina Array Ba, I21A Big Trails, K17A Gardner Place, J18A Kendall Valley, L14A Malta, I20A Worland, H24A Dirks Ranch, K16A Soda Springs, H22A Clearmont, J17A Brown Place, REDW Red Top Meadow, I19A Meeteetse, SNOW Snow King Moun, K14A Jones Ranch, H21A Big Horn, Sher, RRI2 Red Ridge, LQHW Long Hollow, TPWW Teton Pass, SPMN St. Paul, J16A Bone, H20A Greybull, MOOW Moose Ponds, G24A Alzada, G23A Biddle, I17A Pilgrim Ck, IMW Indian Meadow, G22A Birney, FLWY Flagg Ranch, H19A Powell, I16A Newdale, G21A Lodge Grass, F24A Ekalaka, H18A Shoshone NF, C, H17A Grant Village, F23A Volborg, J14A Carey, F22A Rosebud, RLMT Red Lodge, RLMT Red Lodge, H16A Russell Place, G18A Lazy EL Ranch, I14A Mackay, HLID Hailey, HLID Hailey, F20A Billings, QLMT Earthquake Lak, I13A Wildhorse Cree, E22A Miles City, H15A Lima, G17A Pierce Place, F19A Roth Farm, MFID Camas Ranch, LAO LASA Array, I12A Atlanta, E21A Keefer Ranch, H14A Leadore, G16A Moss Hill, E18A Big Timber, D24A Glendive, G15A Dillon, E20A Meyer Farm, D23A Lindsay, F17A Fitzpatrick Pl, H13A Challis, E19A Rath Farm, D22A Cohagen, MDND Maddock, F16A Kennard Place, WVOR Wild Horse Val, D21A La Caste Ranch, H12A Diamond D Ranc, C24A Savage, E18A Harlowton, G13A Cobalt, D20A Manuel Ranch, LRM Limelink Ridge, F15A Butte, E17A Martinsdale, C23A Lambert, AGMN Agassiz Nation, MOD Modoc, C22A Vida

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include: D19A Cripps Ranch, F14A Wisdom, J08A Circle Bar Ran, E16A East Helena, G12A Big Creek, C21A Desert Coulee, D18A Linnt Farms, C20A Vesech Ranch, E15A Deer Lodge, F13A Darby, D17A Six Diamond Ra, B23A Brockton, D16A Dana Ranch, C19A Slack Wire Ran, E14A Clinton, K05A Sumner Lake, D15A Lincoln, E13A Victor, C17A Wharram Farm, CHMT Chamberlain Mo, EGMT Egmont, EGMT Eagleton, B20A Solberg Farm, MSO Missoula, I07A Ize, A22A Carney Farms, D14A Greenough, C19A Brinkman Farms, C16A Fuhringer Ranc, A21A Bertoll, SLMT Seelye Lake, E12A Beaver Dam Sad, B18A Goodstley Farm, B17A L&G Farms, D13A Huson, C15A Salmord Ranch, A19A Klindworth Far, F10A Beach Ranch, SWMT Swartz Lake, D12A Red Ives Fores, A18A Metzger Ranch, B16A M & M Farms, ULM Lac du Bonnet, C14A Swan Lake, B15A Bradely Ranch, YBMT Yellow Bay, C13A Hot Springs, A17A Triple J Farms, B14A Marquette Ranc, A16A West Butte Ran, C12B Baseli Ranch, E09A Wood Farm, G06A Carlson Farm, B13A Whitefish, A15A Johnson Ranch, C11A Teepe Creek, A14A Double T Ranch, A13A Flathead Natio, NEW Newport, A12A Yaac River Ran, C09A Chrisman Ranch, ETW Entiat, LON Longmire, E03A Leham, A05A Maple Falls, SCHO Schefferville, SCHO Schefferville, LPAZ La Paz, LPAZ La Paz, YKA Yellowknife Ar, YKA Yellowknife Ar, YKA Yellowknife Ar, ILAR Eielson Array, ILAR Eielson Array, ESDC Sonseca Array, ESDC Sonseca Array, NB2 NORSAR Subarra, NOA NORSAR Array, NOA NORSAR Array, PETK Petropavlovsk, PETK Petropavlovsk, ARCES ARCESS Array

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include: ARCES ARCESS Array B, FINES FINESSE Array B, FINES FINESSE Array B, GERES GERESS Array B, GERES GERESS Array B, DBIC Dimbokro, MKAR Makanchi Arr, WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr

IDC 1000:18:03:51.9,31.325x176:97W,h0km,mb3.71, mb1.4,2.3,mb1mx3.9,17,mb1mt4.03,ML4.1/2,MS4.0/2, mb1.4,0.2,ms1mx3.4/30,Error ellipse: s-maj=53.0km s-min=34.3km az=112.0, Kermadec Islands region

ISK 1000:26:33.8,39:51N:33:18E,h5km,MD3.1, ISCJB 1000:26:35.2,0.8,39:48N:0.04:33:18E,0.05,h5km,6km, Error ellipse: s-maj=7.7km s-min=5.4km az=37.3, DDA 1000:26:35.1,0.2,39:49N:33:10E,h4km,MD2.8, CSEM 1000:26:35.1,0.2,39:49N:33:18E,h5km,MD2.8, Error ellipse: s-maj=4.6km s-min=3.6km az=120.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include: BBAL Bala, BBAL Bala, BBAL Bala, LOD Lodumli, LOD Lodumli, LOD Lodumli, ELDT Eldivan, ELDT Eldivan, ELDT Eldivan, KIZT Kizical, KIZT Kizical, KIZT Kizical, CANT Cankiri, KDHN Kadinhani, KDHN Kadinhani, KDHN Kadinhani, SVRH Sivrihisar-ESK, SVRH Sivrihisar-ESK, SULT Sultanhani-AKS, SULT Sultanhani-AKS, CORM Corum, CORM Corum, KONT Konya-Tatoy, KONT Konya-Tatoy, YOZ Yozgat, YOZ Yozgat, TOSY Tosya, TOSY Tosya, SAFT Saffranbolu, SAFT Saffranbolu, MDUB Mudurnu, MDUB Mudurnu, GNN Guntur, GNN Guntur, BNN Bunyan, GULT Gulveren, GULT Gulveren, ALT Altintas, ALT Altintas

IDC 1000:26:50.7,1.0,35:75N:70:72E,h0km,mb4.0/12, mb1.4/16,mb1mx3.9/30,mbtmp4.0/16,ML3.7/4,Error ellipse: s-maj=23.1km s-min=19.8km az=154.0, MOS 1000:27:01.8,1.4,36:13N:70:93E,h92km,mb4.0/1, Error ellipse: s-maj=12.5km s-min=6.5km az=90.1, ISCJB 1000:27:02.7,0.4,36:13N:0.02:71:08E,0.05,h108km,6km, mb3.9/13, Error ellipse: s-maj=6.2km s-min=3.8km az=169.4, NEIC 1000:27:02.5,0.7,36:03N:71:01E,h92km,7km,mb4.3/8, Error ellipse: s-maj=8.4km s-min=4.7km az=57.0, NNC 1000:27:08.1,4.8,36:02N:70:36E,h100km,70km,mb3.7, mp4.3, Error ellipse: s-maj=36.1km s-min=25.3km az=22.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include: ISC 1000:27:04.1,0.4,36:10N:0.02:71:07E,0.05,h109km,5km, n118,01910/140,mb3.9/13,3C-11D, Afghanistan-Tajikistan border region, KBL Kabul, KBL Kabul, KBL Kabul, THW Thamma Wali, SARP Sarghad, AML Almayashu, AML Almayashu, UCH Uchters, UCH Uchters, UCH Uchters, SDNR Sundarnagar, SDNR Sundarnagar, KZA Kyzart, KZA Kyzart, EKS2 Ekin-Say, EKS2 Ekin-Say, EKS2 Ekin-Say, EKS2 Ekin-Say

Table of astronomical observations for 10d Oh, listing object names (e.g., Erkin-Say, Karatay Array), coordinates, and various parameters like SNR and position angles.

Table of astronomical observations for 2008 DEC, listing object names (e.g., AKTO Aktyubinsk, ARU Arti), coordinates, and various parameters like SNR and position angles.

IS/CJB 10 00:29:25.2, 0.4, 34.14N, 0.02:117.37W, 0.01, h8km, 3km, Error ellipse: s-maj=2.6km s-min=2.0km az=16.5

NEIC 10 00:29:26.2, 34.16N:117.38W, h8km, MLC3.6(PAS), After PAS.

NEIC Felt [III] at Fontana, Riverside and San Bernardino; [II] at Corona, Diamond Bar, Los Angeles, Ontario Pomona, Rancho Cucamonga, Redlands, Rialto and Tujunga. Also felt at Apple Valley, Azusa, Bloomington, Blue Jay, Burbank, Chino Hills, Claremont, Colton, Compton, Covina, Crestline, Fullerton, Highland, Lake Arrowhead, Loma Linda, Los Alamitos, Mira Loma, Monterey Park, Moreno Valley, Palm Springs, Pasadena, Placentia, Sherman Oaks, Stanton, Torrance, Upland, West Covina, Wrightwood and Yucaipa.

ISC 10 00:29:25.6, 0.3, 34.14N, 0.02:117.38W, 0.01, h8km, 2km, n62, 0974/103, 28C-36D, Southern California

Table of seismic station data, listing station names (e.g., BFSC Mount Baldy Ra, BBRC Big Bear Solar), coordinates, and various parameters like time and magnitude.

Table of astronomical observations for 2008 DEC, listing object names (e.g., MONP Monument Peak, SCI San Clemente I, ARVC Arvin), coordinates, and various parameters like SNR and position angles.

DDA 10 00:30:59.3, 34.99N, 28.43E, h28km, Md3.2 ISK 10 00:31:04.9, 35.71N, 27.34E, h14km, MD3.4

ISC/JB 10 00:31:07.0, 0.6, 35.80N, 0.04:27.43E, h24km, 6km, Error ellipse: s-maj=8.4km s-min=4.2km az=148.5

CSEM 10 00:31:07.5, 0.1, 35.83N, 27.40E, h12km, MLC3.1/2, Error ellipse: s-maj=4.6km s-min=2.5km az=151.0

THE 10 00:31:07.7, 35.82N, 27.46E, h9km, 5km, MLC3.1/2, Error ellipse: s-maj=7.3km s-min=1.5km az=135.0

ISC 10 00:31:07.8, 0.6, 35.83N, 0.04:27.41E, 0.04, h14km, 4km, n66, 0973/82, Dodecanese Islands

Table of seismic station data, listing station names (e.g., KARP Karpathos, ARG Arkhangelos, NIS1 Nisyros Isl.), coordinates, and various parameters like time and magnitude.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time, Res, h, m, s, ISC. Includes stations like GLHS, ELL, GOLH, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time, Res, h, m, s, ISC. Includes stations like BHZH, NGZ, NGZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time, Res, h, m, s, ISC. Includes stations like QUE, KBL, EKS2, etc.

CSEM 10 00:31:11.4-0.4, 39.94N-40.05E, h20km, MD2.8, Error ellipse: s-maj=9.8km s-min=6.7km az=164.0

NEZ North Egmont 2.48 247 PN Pn 00 44 09.7 +2.0

BUI 10 01:51:21.6, 18:68S-178:22W, h572km, mB4.8/7, mb4.5/13

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time, Res, h, m, s, ISC. Includes stations like KOPT, KOPD, etc.

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

NEIC 10 01:51:26.2-0.8, 17:93S-178:00W, h564km, g1m, n106, o39.92E, mb4.3/51, 1C, Fiji Islands region

NEIC 10 00:43:30.6, 38:36S-177:01E, h56km, ML3.9(VEL), After WEL

NEZ North Egmont 2.48 247 PN Pn 00 44 09.7 +2.0

NEIC 10 01:51:25.0-0.8, 17:91S-178:72W, h569km, 10km, mb4.3/51, Error ellipse: s-maj=12.1km s-min=7.2km az=141.3

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

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

NEIC 10 01:51:25.0-0.8, 17:90S-178:64W, h558km, 6km, mb4.4/35, Error ellipse: s-maj=10.1km s-min=5.5km az=141.0

NEIC 10 01:01:10.3-8.1, 5:78S-156:11E, h0km, mb3.7/3, mb1.3/9.3, mb1mx3.7/15, mbtmp3.7/3, Error ellipse: s-maj=246.4km s-min=40.3km az=110.0, Bougainville - Solomon Islands region

NEZ North Egmont 2.48 247 PN Pn 00 44 09.7 +2.0

NEIC 10 01:51:26.2-0.8, 17:93S-178:00W, h564km, g1m, n106, o39.92E, mb4.3/51, 1C, Fiji Islands region

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

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

NEIC 10 01:51:26.2-0.8, 17:93S-178:00W, h564km, g1m, n106, o39.92E, mb4.3/51, 1C, Fiji Islands region

NEIC 10 01:51:26.2-0.8, 17:93S-178:00W, h564km, g1m, n106, o39.92E, mb4.3/51, 1C, Fiji Islands region

NEIC 10 01:51:26.2-0.8, 17:93S-178:00W, h564km, g1m, n106, o39.92E, mb4.3/51, 1C, Fiji Islands region

NEIC 10 01:51:26.2-0.8, 17:93S-178:00W, h564km, g1m, n106, o39.92E, mb4.3/51, 1C, Fiji Islands region

NEIC 10 01:51:26.2-0.8, 17:93S-178:00W, h564km, g1m, n106, o39.92E, mb4.3/51, 1C, Fiji Islands region

NEIC 10 01:51:26.2-0.8, 17:93S-178:00W, h564km, g1m, n106, o39.92E, mb4.3/51, 1C, Fiji Islands region

NEIC 10 01:51:26.2-0.8, 17:93S-178:00W, h564km, g1m, n106, o39.92E, mb4.3/51, 1C, Fiji Islands region

NEIC 10 01:51:26.2-0.8, 17:93S-178:00W, h564km, g1m, n106, o39.92E, mb4.3/51, 1C, Fiji Islands region

NEIC 10 01:51:26.2-0.8, 17:93S-178:00W, h564km, g1m, n106, o39.92E, mb4.3/51, 1C, Fiji Islands region

NEIC 10 01:51:26.2-0.8, 17:93S-178:00W, h564km, g1m, n106, o39.92E, mb4.3/51, 1C, Fiji Islands region

NEIC 10 01:51:26.2-0.8, 17:93S-178:00W, h564km, g1m, n106, o39.92E, mb4.3/51, 1C, Fiji Islands region

NEIC 10 01:51:26.2-0.8, 17:93S-178:00W, h564km, g1m, n106, o39.92E, mb4.3/51, 1C, Fiji Islands region

NEIC 10 01:51:26.2-0.8, 17:93S-178:00W, h564km, g1m, n106, o39.92E, mb4.3/51, 1C, Fiji Islands region

NEIC 10 01:51:26.2-0.8, 17:93S-178:00W, h564km, g1m, n106, o39.92E, mb4.3/51, 1C, Fiji Islands region

NEIC 10 01:51:26.2-0.8, 17:93S-178:00W, h564km, g1m, n106, o39.92E, mb4.3/51, 1C, Fiji Islands region

NEIC 10 01:51:26.2-0.8, 17:93S-178:00W, h564km, g1m, n106, o39.92E, mb4.3/51, 1C, Fiji Islands region

NEIC 10 01:51:26.2-0.8, 17:93S-178:00W, h564km, g1m, n106, o39.92E, mb4.3/51, 1C, Fiji Islands region

NEIC 10 01:51:26.2-0.8, 17:93S-178:00W, h564km, g1m, n106, o39.92E, mb4.3/51, 1C, Fiji Islands region

10d 1h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Columbia Colle, Mina Array Bea, NVAR, etc.

2008 DEC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Yerkesik, Kastellorizon, KSL, etc.

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







Table with columns: ARCES, TOR, TOR, YKA, YKA, NVAR, PDAR, PDAR, TXAR, TXAR, WMOK, CCM, JCT, MJAR, WCI, WWT. Includes station names, coordinates, and status.

IDC 10 02:56:59.5-4.2, 32.05S:177.80W, h0km, mb3.72, mb1 3.9/2, mb1mx3.7/1.4, mbtmpr3.72, Error ellipse: s-maj=225.1km s-min=49.2km az=163.0

ISC 10 02:57:58.3-1.1, 31.7S:02-180.0E:0.4, h458km, 30km, n36, +075/43, mb3.2/2, Kermadec Islands region

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like Puz, Mawatai, Carnagh, etc.

GUC 10 02:58:28.1-0.7, 32.64S:71.63W, h10km, 5km, MD3.6, ML2.8, 2D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like IHA, ROCH, CHNG, etc.

GUC 10 03:06:19.7-0.8, 32.17S:71.78W, h24km, 3km, MD4.1, ML3.2, 1C-2D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like CHNG, PTCH, IHA, etc.

MEX 10 03:10:14.5-1.1, 17.76N:101.94W, h20km, 55km, MD3.9, Near coast of Guerrero

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

IDC 10 03:23:57.9-0.8, 30.84S:176.94W, h0km, mb4.2/5, mb1 4.4/5, mb1mx4.1/1.5, mbtmpr4.2/5, MS4.5/3, MS1 4.5/3, ms1mx3.4/2.8, Error ellipse: s-maj=31.5km s-min=26.1km az=162.0

NEIC 10 03:23:58.8-0.5, 31.01S:176.90W, h10km, mb4.5/5, Error ellipse: s-maj=12.8km s-min=10.9km az=86.0

ISCJB 10 03:24:01.9-0.8, 31.23S:0.08:177.1W:0.1, h33km, mb4.4/8, MS4.5/3, Error ellipse: s-maj=15.5km s-min=10.7km az=11.5

ISC 10 03:24:03.6-0.8, 31.13S:0.08:177.1W:0.1, h35km, n42, +1921/25, mb4.4/8, MS4.5/3, Kermadec Islands region

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like RAOU, URZ, URZ, etc.

ISCJB 10 03:28:01.7-0.3, 51.43N:0.02:6.32E:0.03, h0km, Error ellipse: s-maj=3.1km s-min=2.0km az=30.2

NEIC 10 03:28:01.4-4.8, 51.65N:6.56E, h10km, ML3.3(LD), Error ellipse: s-maj=54.1km s-min=10.3km az=208.0

CSEM 10 03:28:03.3-0.2, 51.48N:6.42E, h1km, ML3.4/21, Error ellipse: s-maj=6.6km s-min=3.1km az=128.0

STR 10 03:28:03.1-1.0, 51.47N:7.21E, h10km, M12.8, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0

LDG 10 03:28:04.1-0.1, 51.53N:6.57E, h1km, M13.3/22, Error ellipse: s-maj=1.5km s-min=1.2km az=149.0

BUG 10 03:28:04.5, 51.50N:6.61E, h1km, ML2.6

BNS 10 03:28:05.5-1.3, 51.46N:6.58E, h1km, 8km, ML2.6

BGR 10 03:28:05.8-0.2, 51.47N:6.63E, h1km, ML2.8/5, Error ellipse: s-maj=3.3km s-min=2.2km az=113.0

ISC 10 03:28:03.6-0.3, 51.47N:0.02:6.47E:0.03, h0km, n143, +1337/274, 4C-4D, Germany

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like BRHE, BRHE, LAUG, etc.

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like KLL, KLL, BEBN, etc.

10d 5h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LOR, BRG, DAVA, HYF, AVF, MOTA, SMF, LDF, FLN, FETA, WATA, WTTA, GRR, TCF, KBA, MFF, WRA, RAO, URZ, DZM, CTA, ASAR, ASAR, WRA, WRA, KBL, FINES.

2008 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FINES, TORD, DJA, MRSI, GTOI, LUNI, TSM, MYLDM, MYLDM, KKM, ISK, ELZG, ELZG, SVRC, SVRC, MALT, MALT, PTK, PTK, AKCD, AKCD, URFA, URFA, ATAB, ATAB, DIYA, DIYA, ERZN, ERZN, SARI, SARI, GARZ, GARZ, MARD, MARD, KMRS, KMRS, BEST, BEST, GUMT, GUMT, BAYT, BAYT, BNN, BNN, KOZT, KOZT, KTUT, KTUT, CEYT, CEYT, YOZ, YOZ, HTY, HTY, GARB, GARB, AGRB, AGRB, CORM, CORM, STKA, ASAR, ASAR, WRA, WRA, WRA, TORD, ISK, CSEM, ISK, MALT, MALT, PTK, PTK, AKCD, AKCD, ATAB, ATAB, ERZN, ERZN, SARI, SARI, ELZG, ELZG, ELZG, ELZG, SVRC, SVRC, MALT, MALT, PTK, PTK, AKCD, AKCD, ATAB, ATAB, ERZN, ERZN, SARI, SARI, ARCH, ARCH, PB01, PB01, PB01, PB07, PB07, PB07, PB07, NNA, NNA, NNA, CFAA, CFAA.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SARI, GAZ, KMRs, BEST, GUMT, BAYT, CAIG, CAIG, PPM, ZIIG, ZIIG, CMIG, WRA, ASAR, MKAR, ISK, CSEM, ISK, ELZG, ELZG, ELZG, SVRC, SVRC, MALT, MALT, PTK, PTK, AKCD, AKCD, ATAB, ATAB, DIYA, DIYA, ERZN, ERZN, SARI, SARI, GARZ, GARZ, MARD, MARD, KMRS, KMRS, BEST, BEST, GUMT, GUMT, BAYT, BAYT, BNN, BNN, KOZT, KOZT, KTUT, KTUT, CEYT, CEYT, YOZ, YOZ, HTY, HTY, GARB, GARB, AGRB, AGRB, CORM, CORM, STKA, ASAR, ASAR, WRA, WRA, WRA, TORD, ISK, CSEM, ISK, MALT, MALT, PTK, PTK, AKCD, AKCD, ATAB, ATAB, ERZN, ERZN, SARI, SARI, ARCH, ARCH, PB01, PB01, PB01, PB07, PB07, PB07, PB07, NNA, NNA, NNA, CFAA, CFAA.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, Res, h, s, I, S, C. Includes stations like CFAA Coronel Fontan, TRQA Torquist, PLCA Paso Flores, etc.

IDC 10 05:56:53.3, 3.3, 24.25S, 67.00W, h140km, 30km, mb3.9/14, mb1 4.0/15, mb1mx3.9/17, mbtmp3.8/15, Error ellipse: s-maj=24.4km s-min=13.4km az=65.0

ISCJ 10 05:56:55.1, 0.7, 24.37S, 0.03:67.21W, 0.09, h172km, 7km, mb4.0/16, Error ellipse: s-maj=13.9km s-min=5.1km az=173.0

NEIC 10 05:56:55.1, 0.9, 24.29S, 67.05W, h157km, 8km, mb4.4/4, Error ellipse: s-maj=14.8km s-min=6.6km az=81.0

GUC 10 05:56:57.0, 4.6, 24.09S, 67.48W, h208km, 7km, ML5.0, mb4.0/16, Error ellipse: s-maj=13.9km s-min=5.1km az=173.0

ISC 10 05:56:55.7, 0.7, 24.36S, 0.03:67.15W, 0.09, h160km, 7km, n66, f102/67, mb4.0/16, 7C, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, Res, h, s, I, S, C. Includes stations like SPCH San Pedro de A, ANCH Antofagasta, PB09 Plate Boundary, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, Res, h, s, I, S, C. Includes stations like BOSA Boshof, MAW Mawson, MAW Mawson, etc.

ISCJ 10 05:59:29.0, 0.5, 27.58N, 0.05:140.1E, 0.1, h461km, 6km, mb3.4/15, Error ellipse: s-maj=16.6km s-min=7.7km az=174.0

JMA 10 05:59:28.6, 0.2, 27.64N, 140.65E, h490km, M4.1, NEIC 10 05:59:28.6, 27.64N, 140.65E, h490km, mb4.2/2, After JMA

IDC 10 05:59:29.3, 0.6, 27.55N, 140.16E, h450km, 7km, mb3.1/12, mb1 3.3/13, mb1mx3.2/22, mbtmp3.1/13, Error ellipse: s-maj=18.3km s-min=13.5km az=82.0

ISC 10 05:59:30.1, 0.5, 27.60N, 0.05:140.2E, 0.1, h457km, 5km, n48, f088/53, mb3.4/15, Bonin Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, Res, h, s, I, S, C. Includes stations like CBJ1 Chichi jima, BSO1 Boso 1, BSO3 Boso 3, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, Res, h, s, I, S, C. Includes stations like ELZG Elazig, ELZG Elazig, SVRC Sivrice-ELAZID, etc.

ISCJ 10 06:32:08.7, 0.8, 16.48S, 0.08:177.49W, 0.07, h392km, 9km, mb4.2/25, Error ellipse: s-maj=14.7km s-min=9.2km az=144.3

IDC 10 06:32:08.9, 1.4, 16.40S, 177.47W, h382km, 15km, mb3.6/15, mb1 3.9/16, mb1mx3.9/18, mbtmp3.6/16, Error ellipse: s-maj=20.1km s-min=10.6km az=137.0

NEIC 10 06:32:09.6, 0.8, 16.46S, 177.44W, h392km, 8km, mb4.5/7, Error ellipse: s-maj=10.8km s-min=7.5km az=140.0

DJA 10 06:32:16, 16.44S, 177.86W, h452km, mb4.7/9, ISC 10 06:32:09.2, 0.8, 16.47S, 0.08:177.44W, 0.08, h386km, 9km, n74, f087/64, mb4.2/25, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, Res, h, s, I, S, C. Includes stations like MVSF Nonavsu, AFI Afiamalu, AFI Afiamalu, etc.







ISC 10 07:52:04.0, 0.6, 39.05Nm, 0.03, 17.14E, 0.03, h19km, 4km, n110, e102/129, mb3.7, 2C-3D, Southern Italy

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations and their characteristics.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations for the ARCES array.

ISC/JB 10 08:32:53.9, 1.7, 31.41S, 0.06:176.7W, 0.1, h6km, 12km, mb4.3/9, MS3.8/4, Error ellipse: s-maj=20.9km

IDC 10 08:32:55.0, 0.7, 30.86S, 176.64W, h0km, mb4.3/9, mb1.4, 5.9, mb1mx4.3/18, mbmtmp4.3/9, MS3.8/4, Ms1.3/7.4, mb1mx3.3/20, Error ellipse: s-maj=28.4km s-min=21.2km

NEIC 10 08:32:56.2, 0.6, 31.02S, 176.72W, h10km, Error ellipse: s-maj=14.9km s-min=11.9km az=105.0

ISC 10 08:32:56.5, 2.0, 31.35S, 0.06:176.7W, 0.1, h12km, 13km, n70, e145/58, mb4.3/9, MS3.8/4, Kermadec Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations for the Kermadec Islands region.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations for the PMG array.

CASC 10 08:46:02.0, 1.4, 11.87N, 166.43W, h109km, 7km, MD3.7, ML3.1, Near coast of Nicaragua

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations for the CASC array.

IDC 10 08:59:06.9, 2.8, 30.97S, 176.69W, h0km, mb4.0/3, mb1.4, 2/4, mb1mx3.9/17, mbmtmp4.0/4, ML3.6/1, Error ellipse: s-maj=67.4km s-min=43.4km az=131.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations for the Kermadec Islands region.

SKHL 10 09:03:44.3, 0.6, 47.40N, 142.10E, h10km, mb3.6/1, Sakhalin Island

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations for the SKHL array.

IDC 10 09:15:05.2, 3.8, 1.1133S, 166.45E, h69km, 31km, mb4.1/13, mb1.4, 2/4, mb1mx4.1/19, mbmtmp4.1/14, ML3.3/1, MS3.7/4, Ms1.3/6/4, ms1mx3.4/20, Error ellipse: s-maj=38.9km s-min=17.2km az=138.0

ISC/JB 10 09:15:06.5, 2.1, 1.134S, 0.08:166.28E, 0.09, h89km, 17km, mb4.4/21, Error ellipse: s-maj=15.5km s-min=12.2km az=157.5

NEIC 10 09:15:07.7, 1.5, 1.133S, 166.38E, h90km, 13km, mb4.5/7, Error ellipse: s-maj=12.8km s-min=11.1km az=135.0

ISC 10 09:15:07.8, 1.7, 1.41S, 0.08:166.32E, 0.03, h89km, 14km, n49, e081/48, mb4.4/21, Santa Cruz Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations for the Santa Cruz Islands region.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TOO Toolangi, AS31 Alice Springs, ASAR Alice Springs, ASAR Fitzroy Crossi, MBWA Marble Bar, KLBRR Kellerberrin, NWAON Narrogin (SRO), NWAON Narrogin (SRO), CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, SONM Songoing Array, ILAR Eielson Array, ILAR Eielson Array, MAW Mawson, NVAR Mina Array Bea, NVAR Mina Array Bea, PDAR Pinedale Array, PDAR Pinedale Array, ZALV Zalesovo Beam, ZALV Zalesovo Beam, MKAR Makanchi Array, MKAR Makanchi Array, YKA Yellowknife Arr, YKA Yellowknife Arr, ARCES ARCES Array B, ARCES ARCES Array B.

CRAAG 10 09:20:20.6, 36.88N, 4.15E, M13.5
CSEM 10 09:20:21.4, 0.3, 36.86N, 4.08E, h10km, ML3.5, Error ellipse: s-maj=9.6km s-min=6.6km az=43.0

MDD 10 09:20:22.8, 1.1, 36.85N, 4.09E, h15km, 12km, mb4.0/5, Error ellipse: s-maj=10.3km s-min=5.8km az=35.0, PRXIMO, Northern Algeria

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ABA Alger-Bouzare, ABA Alger-Bouzare, ABA Alger-Bouzare, ATAF Djebel Taf, ATAF Djebel Taf, EMHD Djebel Mahoud, EMHD Djebel Mahoud, SET Setif, SET Setif, CKHR Kef el Ahmar, CKHR Kef el Ahmar, CASM Ain Smara, CASM Ain Smara, CTEI Djebel Teioual, CTEI Djebel Teioual, EANR 'Ain N'Sour, EANR 'Ain N'Sour, CMAH Djebel Manchou, CMAH Djebel Manchou, ETRT Tialet, ETRT Tialet, EIBI Ibiz, EIBI Ibiz, ETOS Mallorca, ETOS Mallorca, EBEN Beniarda, EBEN Beniarda, ETOB Tobarra, ETOB Tobarra, EMOS Mosqueruela, EMOS Mosqueruela, EPOB Poblet, EPOB Poblet, CFON Fontmarina, CFON Fontmarina, EMIR Miracle, EMIR Miracle, EMIR Miracle, EJON La Jonquera, EJON La Jonquera, EQES Quesada, EQES Quesada.

Table with columns: EQES Quesada, EQES Quesada, CLLI Livija, CLLI Livija. Includes station information for Quesada and Livija.

IDC 10 09:27:56.5, 8.3, 2.07N, 125.64E, h0km, mb3.6/3, mb1 3.8/3, mb1mx3.4/1.8, mbtmp3.7/3, Error ellipse: s-maj=186.9km s-min=129.8km az=70.0, Talaud Islands

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

MEX 10 09:31:07.3, 0.7, 16.40N, 94.03W, h113km, 10km, MD3.9, Oaxaca

ISCJB 10 09:57:27.0, 0.9, 36.89N, 0.06, 33.33E, 0.04, h3km, 9km, Error ellipse: s-maj=10.9km s-min=4.7km az=174.7

ISC 10 09:57:27.0, 0.2, 36.91N, 33.33E, h7km, MD3.0, Error ellipse: s-maj=8.2km s-min=3.9km az=176.0

ISC 10 09:57:27.9, 0.1, 36.87N, 0.08, 33.32E, 0.04, h11km, 9km, n19, e072/25, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HDMB Hadim, HDMB Hadim, MERS Mersin, MERS Mersin, GAZI Gazipasa, GAZI Gazipasa, GULE Gulek, GULE Gulek, KONT Konya-Tatoy, KONT Konya-Tatoy, LADK Ladik-KONYA, LADK Ladik-KONYA, KRYS Karatas, KRYS Karatas, CEVT Ceyhan, CEVT Ceyhan, KIZT Kizilcal, KIZT Kizilcal.

ISCJB 10 10:30:24.5, 0.6, 27.71N, 0.05, 53.69E, 0.04, h10km, mb3.5/12, Error ellipse: s-maj=7.1km s-min=4.6km

KISR 10 10:30:25.4, 0.5, 27.82N, 53.52E, h8km, 999km, ML2.8, TEH 10 10:30:28.6, 27.93N, 53.83E, h26km

IDC 10 10:30:32.6, 9.2, 27.97N, 53.83E, h51km, 76km, mb3.4/13, mb1 3.5/13, mb1mx3.4/2.9, mbtmp3.4/1.3, Error ellipse: s-maj=52.2km s-min=21.2km az=167.0

ISC 10 10:30:26.3, 0.6, 27.71N, 0.05, 53.74E, 0.04, h10km, n24, e083/29, mb3.5/12, Southern Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ISRV Sarvestan, ISRV Sarvestan, IPAR Pars, IPAR Pars, IBND Bandar-abas, IBND Bandar-abas, IBAF Bafgh, IBAF Bafgh, ICHK Chekchek, ICHK Chekchek, IZEF Zefreh, IZEF Zefreh, IKHL Kolahrood, IKHL Kolahrood, NAY Al-Naieim, NAY Al-Naieim, BRTR Keskin Array B, BRTR Keskin Array B, AKTO Aktyubinsk, AKTO Aktyubinsk, BVAR Borovoye Arr, BVAR Borovoye Arr, MKAR Makanchi Arr, MKAR Makanchi Arr, ZALV Zalesovo Beam, ZALV Zalesovo Beam, FINES FINES Arr B, FINES FINES Arr B, NOAS NORSA Arr B, NOAS NORSA Arr B, SONM Songoing Array, SONM Songoing Array, TORD Torod Arr, TORD Torod Arr, ILAR Eielson Array, ILAR Eielson Array, YKA Yellowknife Arr, YKA Yellowknife Arr.

ISC 10 10:31:40.8, 35.78N, 27.29E, h8km, MD3.2

CSEM 10 10:31:41.0, 0.4, 35.74N, 27.36E, h5km, MD3.2, Error ellipse: s-maj=12.5km s-min=6.7km az=151.0

ISCJB 10 10:31:42.3, 0.8, 35.82N, 0.05, 27.44E, 0.08, h4km, 7km, Error ellipse: s-maj=12.1km s-min=5.2km az=36.0

ATH 10 10:31:42.0, 0.5, 35.77N, 27.49E, h18km, 1km, MD2.9/4, DDA 10 10:31:49.5, 36.37N, 27.54E, h8km, 5km, MD3.0

ISC 10 10:31:42.7, 0.8, 35.82N, 0.05, 27.40E, 0.07, h5km, 6km, n33, e102/44, Dodecanese Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KARP Karpathos, KARP Karpathos, ARG Arkhangelos, ARG Arkhangelos, DAT Datca, DAT Datca, BODT Bodrum, BODT Bodrum, TURN Turunc, TURN Turunc, YER Yerkesk, YER Yerkesk, YER Yerkesk, MLBS Milas, MLBS Milas, NPS Neapolis, NPS Neapolis, XRY Khrisi, XRY Khrisi, AYDN Tasoluk, AYDN Tasoluk, APE Apeiranthos, APE Apeiranthos, GLHS Ghisar (BURDU), GLHS Ghisar (BURDU), ELL Elmal, ELL Elmal, GOLH Golhisar, GOLH Golhisar, DNZL Cakiroluk, DNZL Cakiroluk, DNZL Cakiroluk, DENT Denizli, DENT Denizli, KULA Kula-Manisa, KULA Kula-Manisa.

BJI 10 05:12:14.4, 32.14S, 177.23W, h296km, mB5.1/5, mb5.0/10

ISCJB 10 10:35:23.6, 0.7, 31.57S, 0.06, 179.68W, 0.07, h249km, 7km, mb4.6/36, Error ellipse: s-maj=10.1km s-min=8.2km az=140.6

MOS 10 10:35:28.4, 1.7, 31.37S, 179.82W, h287km, mb4.8/13, Error ellipse: s-maj=14.7km s-min=12.4km az=111.6

IDC 10 10:35:30.5, 0.8, 31.30S, 179.71W, h301km, 6km, mb4.0/14, mb1 4.2/15, mb1mx4.2/1.7, mbtmp4.0/1.5, Error ellipse: s-maj=12.5km s-min=9.7km az=146.0

NEIC 10 10:35:30.7, 0.3, 31.34S, 179.71W, mb4.6/10, Error ellipse: s-maj=9.3km s-min=8.9km az=39.0

ISC 10 10:35:24.9, 0.7, 31.61S, 0.06, 179.69W, 0.07, h247km, 8km, h306km, 1.7km, pP, n292, e127/137, mb4.6/35, 7C-1D, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MXZ Waiakapa Point, MXZ Waiakapa Point, WCZ Maui Caves, WCZ Maui Caves, PUZ Puketiti, PUZ Puketiti, OUZ Omahuta, OUZ Omahuta, OUZ Otara, OUZ Otara, OPRZ Ohinepanea, OPRZ Ohinepanea, CNZG Carnagh Statio, CNZG Carnagh Statio, MWZ Matawai, MWZ Matawai, URZ Urewera, URZ Urewera, URZ Urewera, URZ Urewera, TOZ Tahuroa Road, TOZ Tahuroa Road, RRRR Republican Road, RRRR Republican Road, PRGZ Paritu Road, PRGZ Paritu Road, PRGZ Plateau Road, PRGZ Plateau Road, ALRZ Allen Road, ALRZ Allen Road, KNZ Kokohu, KNZ Kokohu, RAHZ Aarahi, RAHZ Aarahi, MHGZ Mahia Peninsula, MHGZ Mahia Peninsula, BKZ Black Stump Fm, BKZ Black Stump Fm, HIZI Huiti, HIZI Huiti, MCHZ McNeill Hill, MCHZ McNeill Hill, KRVZ Kawarewara, KRVZ Kawarewara, WTVZ West Tongariro, WTVZ West Tongariro, OTHZ Oturepa, OTHZ Oturepa, NGZ Ngauruhoe, NGZ Ngauruhoe, WPVZ Whakapapa, WPVZ Whakapapa, TUWZ Tukino, TUWZ Tukino, FWVZ Far West T-bar, FWVZ Far West T-bar, BHVZ Black Hill Sta, BHVZ Black Hill Sta, WNVZ Wahianoa, WNVZ Wahianoa, MOVZ Moewhango, MOVZ Moewhango, KAHZ Kahurangi, KAHZ Kahurangi, PKVZ Pokakaka, PKVZ Pokakaka, PNHZ Pukitaki, PNHZ Pukitaki, WPHZ Waipukurau, WPHZ Waipukurau, PRHZ Porangahau, PRHZ Porangahau, PRZ Takapari Road, PRZ Takapari Road, PKE Puketiti, PKE Puketiti, WAZ Wanganui, WAZ Wanganui, DVHZ Dannevirke, DVHZ Dannevirke, POWZ Post Office Ro, POWZ Post Office Ro, BFZ Birch Farm, BFZ Birch Farm, MRZ Mangatainoka R, MRZ Mangatainoka R, TIWZ Tintock, TIWZ Tintock, HOWZ Holdsworth Sta, HOWZ Holdsworth Sta, OGWZ Otaki Gorge, OGWZ Otaki Gorge, TMWZ Te Maipa, TMWZ Te Maipa, KHIZ Kapiti Island, KHIZ Kapiti Island, MTW Mount Morrison, MTW Mount Morrison, CAW Cannon Point, CAW Cannon Point, TRWZ Traveller, TRWZ Traveller, PAWZ Paruruw Farm, PAWZ Paruruw Farm, DUWZ D'Urville Isla, DUWZ D'Urville Isla, HOUZ Houtuaki, HOUZ Houtuaki, SNZO South Karori, SNZO South Karori, BHW Baring Head, BHW Baring Head, PLWZ Palliser, PLWZ Palliser, TCW Tui Channel, TCW Tui Channel, TNWZ Tuamarina, TNWZ Tuamarina, NNZ Nelson, NNZ Nelson, QRZ Quartz Range, QRZ Quartz Range, BSWZ Blackbirch Sta, BSWZ Blackbirch Sta.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for CNP, PVCP, AUQP, etc.

IDC 10:47:53.6:1.4, 1:12N:126:58E, h0km, mb3.8/4, mb1.4/0.5, mb1mx3.7/18, mbtmp3.8/5, ML3.7/1, Error ellipse: s-maj=106.3km s-min=22.6km az=74.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for WRA, WRA, WRA, etc.

CSEM 10:52:51.1, 60:92N:29:28E, h0km, ML1.3, Mining explosion. After HEL

HEL 10:52:51.1-0.4, 60:92N:29:28E, h0km, ML1.3, Explosion, Baltic States - Belarus - Northwestern Russia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for VJF, VJF, VJF, etc.

IDC 10:53:49.0:0.8, 33:05S:69:10W, h0km, mb4.1/7, mb1.4/3.9, mb1mx4.2/14, mbtmp4.1/9, ML3.9/1, MS3.6/8, Ms1.3/6.8, ms1mx3.4/11.1, Error ellipse: s-maj=23.7km s-min=14.3km az=11.0

IDC 10:53:50.9:0.7, 33:11S:0:03:69:12W, h0km, mb3.9/6, mb4.1/8, MS3.7/6, Error ellipse: s-maj=6.3km s-min=4.2km az=147.1

NEIC 10:53:50.0, 32:94S:69:26W, h10km, mb4.1/1, MD4.8(SJA), After SJA

NEIC Slight damage [VI] at Potrerillos. Felt [IV] at Mendoza. GUC 10:53:51.1-0.6, 33:11S:0:03:69:12W, h0km, ML3.8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for SJCH, CLCH, CLCH, etc.

PLCA 10:54:48.0:0.1, 1:30N:0:127:36E, h0km, mb3.9/6, Error ellipse: s-maj=20.4km s-min=11.3km az=27.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for LCO, LCO, LCO, etc.

VIE 10:58:57.0:4.0, 50:20N:12:20E, h0km, mb2.3/1, ML2.3/2, Error ellipse: s-maj=4.5km s-min=2.3km az=54.0

W of Klingenthal Suspected Mining explosion.

IDC 10:58:59.0:0.3, 50:23N:0:02:12:53E, h0km, Error ellipse: s-maj=2.8km s-min=2.1km az=143.2

CSEM 10:59:00.0, 50:23N:12:49E, h1km, ML2.7/4, Error ellipse: s-maj=2.0km s-min=1.4km az=72.0, Suspected Mining explosion.

BGR 10:59:00.0, 50:23N:12:44E, h10km, 2km, ML2.2/6, Error ellipse: s-maj=2.2km s-min=1.1km az=105.0

PRU 10:59:01.3, 50:22N:12:50E, h0km, West Bohemia Swam

IDC 10:59:00.8:0.3, 50:24N:0:02:12:49E, h0km, n43, o#65/80, 2D, Germany

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for NKC, NKC, NKC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for PLN, PLN, PLN, etc.

MEX 11:29:15.8:0.8, 16:62N:99:08W, h20km, 98km, MD3.6, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for PNIG, PNIG, CAIG, etc.

NNC 11:36:01.3:6.3, 34:90N:69:73E, h0km, mb3.6, mpv3.4, 2C, Error ellipse: s-maj=144.3km s-min=50.6km az=91.0, Southeastern Afghanistan

IDC 11:38:44.0:1.1, 31:00S:176:68W, h0km, mb4.0/6, mb1.4/2.6, mb1mx4.0/17, mbtmp4.0/6, Error ellipse: s-maj=34.6km s-min=26.1km az=10.0

IDC 11:38:44.6:4.5, 31:48S:0:09:17:7W, h0km, mb2.8/2km, mb4.0/6, Error ellipse: s-maj=26.6km s-min=12.5km az=24.4

NEIC 11:38:45.2:0.9, 31:44S:176:53W, h10km, mb4.1/2, Error ellipse: s-maj=20.1km s-min=15.5km az=119.0

IDC 11:38:44.7:5.3, 31:42S:0:10:17:6E, h0km, n3, n23, i#109/21, mb4.0/6, Kermadec Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for URZ, URZ, URZ, etc.

VIE 12:00:07.3:0.5, 50:22N:12:75E, h0km, ML2.5/2, Error ellipse: s-maj=5.5km s-min=1.5km az=41.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CONA Conrad Observa, NKC Novy Kostel, WERN Wernitzgruen, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TRIB Obertriebel, PLN Plauen, SCHF Schoenfels, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CN2 Changchun, WHN Beijing, HHC Hu-ho-hao-te, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NKC Novy Kostel, WERN Wernitzgruen, ROHR Rohrbach, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KHC Kasperske Hory, PRU Pruhonice, MOA Molin, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PMG Port Moresby, CMAR Chiang Mai, COEN Coen, etc.











Table with columns for call sign, frequency, power, and other technical details. Includes stations like HHC, CM31, CMAR, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes stations like BILIBINO, GAOTAI, GATA, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes stations like WCN, WCN, WCN, etc.

10d 13h

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like WMQ, H12A, SYO, etc.

2008 DEC

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like DGAR, G15A, O17A, etc.

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Table with columns for station call letters, name, frequency, and other technical details. Includes stations like ZALV, NVL, MAIT, etc.

ARCES	comp=Z,11nm,0.8s,baz=250,slow=2.5,SNR=31	PKKPbc	PKKPbc	13 34 34.7	-4.0	
ARCES	ARCESS Array B 117.80 346	PKP	PKPdf	13 34 13.2	-1.9	
ARCES		SKP		13 34 37.4		
ARCES		PKKPbc	PKKPbc	13 34 34.7	-4.0	
ARCES	ARCESS Array B 117.80 346	PKKPbc	PKKPbc	13 34 13.2	-1.8	
AREO	ARCESS Array S 117.80 346	PKP	PKPdf	13 34 13.0	-2.0	
AREO	ARCESS Array S 117.80 346	ePKPdf	PKPdf	13 34 14.1	-0.9	
KTK1	Kautokoine	117.84 346	eP	PKPdf	13 34 16.2	-0.7
KTK1		AMS	AMS	14 18 07.4		
LPAZ	La Paz	118.90 116	PKP	PKPdf	13 34 18.6	-0.1
LPAZ	comp=Z,3.7nm,0.9s,baz=219,slow=6.5,SNR=8.5	PKKPbc	PKKPbc	13 34 29.9	-3.5	
LPAZ	La Paz	118.90 116	PKP	PKPdf	13 34 18.4	-0.3
LPAZ		PKP	PKPdf	13 34 18.6	-0.1	
LPAZ		PKKPbc	PKKPbc	13 34 29.9	-3.5	
LPAZ	La Paz	118.90 116	ePKPbc	PKPdf	13 34 18.4	-0.3
TRO	Troz	119.22 348	eP	PKPdf	13 34 17.2	-0.6
TRO		AMS	AMS	14 16 13.5		
NCB	Newcomb	119.46 46	ePKPdf	PKPdf	13 34 17.4	-1.6
MAK	Makhachkala	119.51 312	iPKPbc	PKPdf	13 34 30.0	+1.1
MAK		e		13 35 48.6		
MAK		e		13 41 06.3		
MAK		e		13 41 19.8		
JOF	Joensuu	120.44 338	ePKIKP	PKPdf	13 34 18.3	-2.0
JOF		pmx	pmx			
JOF	Joensuu	120.44 338	eP	PKPdf	13 34 18.3	-2.0
SCHO	Schefferville	120.72 33	PKP	PKPdf	13 34 19.5	-1.5
SCHO	comp=Z,5.6nm,0.6s,baz=279,slow=11,SNR=8.0	PKKPbc	PKKPbc	13 44 26.0	-1.7	
SCHO	Schefferville	120.72 33	PKP	PKPdf	13 34 19.5	-1.5
SCHO		PKKPbc	PKKPbc	13 34 26.0	-1.7	
QRN	AI-Qurain	120.85 296	eP	AMB	13 34 21.3	-0.8
QRN		AMB	AMB	13 34 23.3		
UMR	Umm Al-Rimmam	120.99 297	eP	PKPdf	13 34 21.3	-1.1
UMR		AMB	AMB	13 34 25.6		
RDF	AI-Radifah	121.17 296	eP	PKPdf	13 34 21.9	-0.8
RDF		AMB	AMB	13 34 24.5		
MIB	Mutribah	121.30 297	eP	PKPdf	13 34 22.1	-0.8
MIB		AMB	AMB	13 34 24.6		
DGRG	David-gareji	121.36 31	P	PKPdf	13 34 21.5	-1.2
STEI	Steigen	121.40 348	eP	PKPdf	13 34 20.8	-1.1
NAV	AI-Naalem	121.42 297	AMB	PKPdf	13 34 24.7	-0.8
MOS	Moscow	121.51 329	ePKIKP	PKPdf	13 34 20.0	-2.5
MOS		pmx	pmx	13 35 54.3		
SCO	Scoresbysund	121.69 3	iP	SKPdf	13 37 53.0	+0.6
SCO				13 44 19.3		
TBLG	Delisi	121.77 312	PKIKP	PKPdf	13 34 24.3	+0.8
TBLG	Delisi	121.77 312	PKIKP	PKPdf	13 34 24.3	+0.9
GNI	Garni	122.09 310	ePKIKP	PKPdf	13 34 25.1	+1.0
GNI	Garni	122.09 310	ePKIKP	PKPdf	13 34 25.6	+1.5
OBN	Obninsk	122.33 329	iPKIKP	PKPdf	13 34 23.9	-0.2
OBN		e		13 36 01.8		
OBN		ePS	PS	13 41 18.4		
OBN		eSS	SS	13 45 48.2	-7.9	
OBN		pmx	pmx	13 52 49.3	+1.4	
ONI	Oni	122.51 313	P	PKPdf	13 34 24.7	-0.2
CPUP	Villa Florida	122.57 132	PKP	PKPdf	13 34 24.1	-1.5
CPUP	comp=Z,6.7nm,0.7s,baz=281,slow=5.3,SNR=3.6	PKKPbc	PKKPbc	13 44 19.4	-0.6	
CPUP	Villa Florida	122.57 132	PKP	PKPdf	13 34 24.1	-1.5
CPUP	Villa Florida	122.57 132	PKP	PKPdf	13 34 24.1	-1.5
VSR	Storozhevoje	122.58 324	ePKIKP	PKPdf	13 34 24.8	+0.1
VSR		pmx	pmx			
VSR	comp=Z,30nm,0.8s	pmx	pmx			
VSR	comp=N,10.0nm,1.1s	pmx	pmx			
KIV	Kislovodsk	122.70 315	ePKPdf	PKPdf	13 34 25.2	0.0
KIV	Kislovodsk	122.70 315	iP	Pdf	13 30 54.3	-1.2
KIV		e		13 36 01.8		
KIV		e		13 41 16.0		
KIV		ePS	PS	13 45 58.5	-1.4	
KIV		eSS	SS	13 52 39.3	-1.7	
KAF	Kangasniemi	122.75 339	ePKIKP	PKPdf	13 34 23.1	-1.6
KAF		pmx	pmx			
KAF	comp=Z,9.0nm,0.5s	122.75 339	eP	PKPdf	13 34 23.1	-1.6
STOK	Stokkvaagen	122.22 348	eP	PKPdf	13 34 24.9	-0.6
FINES	FINESS Array B 128.28 339	PKP	PKPdf	13 34 25.6	-0.2	
FINES	comp=Z,11nm,0.7s,baz=36,slow=1.7,SNR=30	PKKPbc	PKKPbc	13 44 19.5	-2.1	
FINES	FINESS Array B 128.28 339	PKP	PKPdf	13 34 25.6	-0.2	
FINES	FINESS Array B 128.28 339	PKP	PKPdf	13 34 25.6	-0.2	
BHD	Baghdad	123.50 302	iPKP	PKPdf	13 34 25.8	-1.3
BHD		i		13 35 20.3		
BHD		i		13 40 59.0		
BHD		i		13 41 24.0		
SDV	Santo Domingo	123.79 88	ePKPdf	PKPdf	13 34 26.3	-1.9
BOSA	Boshof	124.67 222	PKP	PKPdf	13 34 29.4	-0.2
BOSA	comp=Z,16nm,0.9s,baz=138,slow=4.1,SNR=13	ePKPdf	PKPdf	13 34 29.1	-0.4	
BOSA	Boshof	124.67 222	PKP	PKPdf	13 34 29.4	-0.2
BOSA	Boshof	124.67 222	ePKIKP	PKPdf	13 34 29.1	-0.4
SUR	Sutherland	124.73 215	ePKIKP	PKPdf	13 34 29.0	+0.1
ANN	Anapa	126.03 317	iPKIKP	PKPdf	13 34 30.6	-0.9
ANN		pmx	pmx	13 34 50.4		
MICM	Minsk	126.93 331	ePKP	PKPdf	13 34 31.0	-1.9
MNK	Minsk	126.95 331	ePKIKP	PKPdf	13 34 31.0	-2.0
MNK		e		13 34 52.0		
MNK		e		13 36 35.0		
KMBO	Kilima Mbogo	127.91 259	ePKPdf	PKPdf	13 34 36.0	-0.1
KMBO	Kilima Mbogo	127.91 259	ePKIKP	PKPdf	13 34 36.0	-0.1
KMBO	Kilima Mbogo	127.91 259	P	PKPdf	13 34 37.2	+1.1
SIM	Simferopol'	128.16 318	ePKIKP	PKPdf	13 34 32.0	-3.6
SIM		ePS	PS	13 46 38.0	-1.0	
SIM		pmx	pmx			
SIM	comp=Z,18nm,0.7s	MLR	MLR			
NB2	NORSAR Subarrat	128.18 345	PKPdf	PKPdf	13 34 34.9	-0.2
NB2	comp=Z,1.2s,baz=31,slow=1.9	PKP	PKPdf			
NB2	NORSAR Subarrat	128.18 345	PKPdf	PKPdf	13 34 34.9	-0.2
NOA	NORSAR Array B 128.18 345	PKP	PKPdf	13 34 34.6	-0.6	
NOA	comp=Z,5.6nm,0.9s,baz=34,slow=2.0,SNR=14	SKPbc	SKPbc	13 37 51.5		
NOA	comp=Z,10nm,1.0s,baz=31,slow=3.1,SNR=8.5	SKP	SKP	13 38 07.5		
NOA	comp=Z,3.3nm,0.9s,baz=36,slow=2.0,SNR=4.4	PKP	PKPdf	13 34 34.6	-0.6	
NOA	NORSAR Array B 128.18 345	PKP	PKPdf	13 37 51.5		
NOA		SKPbc	SKPbc	13 38 07.5		
NOA		SKP	SKP	13 38 07.5		
NOA	NORSAR Array B 128.18 345	PKIKP	PKPdf	13 34 34.6	-0.5	
HFS	Hagfors	128.27 343	PKKPbc	PKPdf	13 43 55.1	
NC602	NORSAR Array S 128.35 345	PKP	PKPdf	13 34 34.5	-1.0	
AKASG	Malin Array Be	128.39 327	PKP	PKPdf	13 34 35.7	-0.2
AKASG		PP	PP	13 36 40.1	-0.8	

AKASG	comp=Z,0.5nm,0.3s,baz=53,slow=7.3,SNR=9.2	SKPbc	SKPbc	13 37 52.6		
AKASG	Malin Array Be	128.39 327	PKP	PKPdf	13 34 35.7	-0.2
AKASG		PP	PP	13 36 40.1	-0.8	
AKASG	Malin Array Be	128.39 327	PKIKP	PKPdf	13 34 35.7	-0.2
AKASG		AMS	AMS	13 36 40.1		
AKAB	Malin Array Si	128.39 327	ePKPdf	PKPdf	13 34 35.7	-0.2
AKAB	Malin Array Si	128.39 327	ePKIKP	PKPdf	13 34 35.7	-0.2
KIEV	Kiev	128.40 333	ePKIKP	PKPdf	13 34 35.6	-0.4
KIEV	Kiev	128.40 333	PKIKP	PKPdf	13 34 35.5	-0.4
KIEV	Suwalki	129.38 329	ePKIKP	PKPdf	13 34 37.8	+0.1
SUU	Suwalki	129.38 333	ePKIKP	PKPdf	13 34 37.8	+0.2
SUU	Tarsin	129.69 314	ePKIKP	PKPdf	13 34 39.9	+1.2
BR131	Keskin Array S	130.42 312	PKIKP	PKPdf	13 34 30.2	+0.1
BR131	Keskin Array B	130.42 312	ePKIKP	PKPpre	13 34 27.9	
BRTR	comp=Z,0.3nm,0.4s,baz=144,slow=5.5,SNR=4.4	PKP	PKPdf	13 34 40.0	-0.1	
BRTR	comp=Z,4.5nm,0.5s,baz=104,slow=0.6,SNR=32	PP	PP	13 36 55.7	+1.0	
BRTR	comp=Z,6.3nm,0.9s,baz=90,slow=3.2,SNR=7.8	SKPbc	SKPbc	13 38 00.5	+2.6	
BRTR	comp=Z,40nm,0.9s,baz=85,slow=3.0,SNR=27	SKPbc	SKPbc	13 38 00.5	+2.6	
BRTR	Keskin Array B	130.42 312	PKPpre	PKPdf	13 34 27.9	
BRTR		PKP	PKPdf	13 34 40.0	-0.1	
BRTR		PP	PP	13 36 55.7	+1.0	
BRTR		SKPbc	SKPbc	13 38 00.5	+2.6	
BRTR	Keskin Array B	130.42 312	PKPbc	PKPpre	13 34 28.0	
KIS	Kishinev	130.54 323	ePKP	PKPdf	13 34 40.0	-0.1
KIS	Kishinev	130.54 323	ePP	PP	13 36 56.0	+1.0
KIS		eSKS	SKKSac	13 41 25.0	-2.1	
KIS		eSKS	SKKSac	14 29 55.0		
KIS		LRM	LRM	14 29 55.0		
KIS	comp=Z,2um,24.0s	130.54 323	ePKIKP	PKPdf	13 34 40.0	-0.1
KIS		e	MLR	MLR	13 36 56.0	+1.0
KIS	comp=N,2um,24.0s		MLR	MLR		
KIS	comp=Z,2um,24.0s	130.56 314	eP	PKPdf	13 34 39.0	-1.3
SAFT	Safarbanlu	130.66 308	eP	PKPdf	13 34 40.6	0.0
MERS	Mersin	130.71 303	eP	PKPdf	13 34 41.1	+0.3
KSDI	Ker S Zold	131.00 313	eP	PKPdf	13 34 40.6	-0.5
LOD	Leoduma	131.00 312	PKIKP	PKPdf	13 34 41.6	+0.4
LEOM	Leoma	131.43 322	PKIKP	PKPdf	13 34 42.8	+1.0
TLCH	Tlch	131.43 322	PKIKP	PKPdf	13 34 42.8	+1.0
LTV	L'vov	131.63 328	PKIKP	PKPdf	13 34 42.3	+0.3
GHR	Ghara	131.85 322	iP	SKPbc	13 36 07.8	+4.8
CFR	Caracul	131.86 321	iP	PKPdf	13 34 43.9	+1.3
CFR	Caracul	131.86 321	iP	PKPdf	13 34 43.9	+1.3
LADK	Ladik-KONYA	131.88 311	eP	PKPdf	13 34 41.7	-1.2
MUR	Mudurnu	131.90 314	eP	PKPdf	13 34 40.6	-2.2
BEL	Belsk	131.91 332	ePKPdf	PKPdf	13 34 43.4	+0.9
BEL		e		13 36 05.8		
BEL	Belsk	131.91 332	ePKIKP	PKPdf	13 34 43.4	+0.9
BSD	Bornholm Skovb	131.92 338	iP	PKPdf	13 38 03.9	
BSD	comp=Z,52nm,1.0s					
KONT	Konya-Tatoy	131.96 310	eP	PKPdf	13 34 43.6	+0.5
KIZ	Kizilca	132.00 312	eP	PKPdf	13 34 43.7	+0.6
ELC	Elazir	132.01 299	eP	PKPdf	13 34 43.6	+0.5
TIRR	Tirgusor	132.03 320	iPKIKP	PKPdf	13 34 43.6	+0.6
TIRR	Tirgusor	132.03 320	iP	PKPdf	13 34 43.6	+0.6
TIRR	Tirgusor	132.03 320	iP	SKPbc	13 38 06.2	+2.5
SVRH	Sivrihisar-ESK	132.05 313	eP	PKPdf	13 34 42.5	-0.7
TESR	Tesra	132.07 323	iP	PKPdf	13 34 43.3	+0.3
CSUD	Prodromos	132.13 306	eP	PKPdf	13 34 40.6	-0.7
CSS	Prodromos	132.13 306	P	PKPdf	13 34 44.6	+1.1
CSS	Prodromos	132.13 306	ePKPdf	PKPdf	13 34 43.0	-0.5
PETR	Petra	132.13 322	iP	SKPbc	13 38 08.9	+4.9
HDMB	Hadim	132.19 309	eP	PKPdf	13 34 41.2	-2.3
BURR	Bucovina Ar. S	132.28 325	ePKPdf	PKPdf	13 34 42.1	+0.8
BURR	Bucovina Array	132.28 325	iP	PKPdf	13 34 44.2	+0.8
BURR	Bucovina Array	132.28 325	iP	PKPdf	13 34 44.2	+0.8
BURR	Bucovina Array	132.28 325	iP	SKPbc	13 38 07.6	+3.2
COP	Copenhagen	132.32 340	iP	PKPdf	13 38 06.2	
COP	comp=Z,31nm,1.0s					
VRI	Vrincioia	132.36 322	iPKIKP	PKPdf	13 34 43.8	+0.2
VRI	Vrincioia	132.36 322	iP	PKPdf	13 34 43.8	+0.2
VRI	Vrincioia	132.36 322	iP	SKPbc	13 38 07.3	+2.5
GULT	Gulterven	132.39 314	eP	PKPdf	13 34 43.6	+0.6
PLOR	Plostina	132.42 322	iP	SKPbc	13 38 07	

Table with columns for station name, frequency, and other parameters. Includes stations like PKSM Moray, KARP Karpathos, SOJON Sopron, etc.

Table with columns for station name, frequency, and other parameters. Includes stations like GRR Gorron, LRR Gorron, LPL La Plagne, etc.

Table with columns for station name, frequency, and other parameters. Includes stations like TOR Torodi Ar. Bea, TOR Torodi Ar. Bea, TOR Torodi Ar. Bea, etc.

ISK 10 13:20:18.8, 38°52'N-39°43'E, h5km, MD3.0
ISCJB 10 13:20:19.0, 40.0, 5.3, 48N-0.0, 03-39-48E-0.0, h2km, 5km,
DDA 10 13:20:19.0, 38-48N-39-48E, h7km, 5km, MD3.0
CSEM 10 13:20:20.0, 0.2, 38-49N-39-43E, h2km, MD3.0, Error
ellipse: s-maj=5.6km s-min=4.4km az=149.0

Table with columns for Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SVRC Sivrice-ELAZID, SVRC Sivrice-ELAZID, ELZG Elazig, etc.

MDD 10 13:21:43.0, 1.1, 32°53'N-3°00'W, h0km, mb4.3/10,
mblG,3.2/1, Error ellipse: s-maj=14.1km s-min=6.0km
az=142.0, PRXIMO
IDC 10 13:21:42.9, 2.0, 32°44'N-2°82'W, h0km, mb3.7/2, mb1 3.7/5,
mb1mx3.5/28, mbmp3.6/5, ML3.6/2, MS3.5/2, Ms1 3.5/2,
ms1mx2.7/35, Error ellipse: s-maj=49.7km s-min=15.7km
az=91.0

Table with columns for Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ZFT Er Rachidia, ZFT Er Rachidia, ZCD Col de Zae, etc.



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DJebel Kef Gue, Qentlar, Qentlar, Cogollos-Vega, Cogollos-Vega, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FCH Farellones, LMEL Las Melosas, CLCH Cerro Calan, etc.

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TACH Talagante, LNV Longovio, CHNG Los Chungos, CMCH Combarbala, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Error ellipse: s-maj=16.9km, DAV Davao City (W), etc.

10d 15h

2008 DEC

s-maj=25.8km s-min=13.8km az=73.0
ISCJB 10 15:17:06.5:0.3,0.41N:0.04:124.00E:0.05,h203km,3km,
mb4.2/29, Error ellipse: s-maj=8.2km s-min=6.2km
az=140.7

DJA 10 15:17:09.0:17N:124.08E,h171km,MLV4.5/1,
NEIC 10 15:17:15.5:1.8,0.30N:123.98E,h287km,20km,mb4.2/13,
Error ellipse: s-maj=16.7km s-min=6.4km az=59.0

ISC 10 15:17:07.0:0.3,0.39N:0.04:124.00E:0.05,h197km,3km,
n68,0.096/73,mb4.2/29,Minahasa Peninsula, Sulawesi

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists various stations like KMSI, GTOI, MNI, LUWI, etc.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists stations like FITZ, WRA, ASAR, STKA, etc.

IDC 10 15:23:48.7:1.1,39169N:73.42E,h0km,mb3.7/9,
mb1.3/14,mb1mx3.7/17,mbtmp3.7/14,ML3.9/75,Error
ellipse: s-maj=20.8km s-min=15.2km az=147.0

ISCJB 10 15:23:52.4:0.9,0.415N:0.07:123.08E:0.07,h10km,
mb3.6/10, Error ellipse: s-maj=13.0km s-min=6.7km
az=157.0

MOS 10 15:23:58.0:1.6,40.39N:72.80E,h33km,mb4.1/5,Error
ellipse: s-maj=12.9km s-min=6.4km az=82.0

NEIC 10 15:24:00.4:1.2,40.43N:72.87E,h45km,11km,Error
ellipse: s-maj=15.0km s-min=10.4km az=149.0

NNC 10 15:24:02.1:3.7,40.87N:72.83E,h0km,mb3.8,mpv4.0,
Error ellipse: s-maj=39.1km s-min=16.5km az=171.0

ISC 10 15:23:54.2:0.9,0.418N:0.08:123.01E:0.07,h10km,n82,
=1847/83,mb3.6/10,SC-4D,Kyrgyzstan

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists stations like AML, UCH, KZA, etc.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists stations like AML, UCH, KZA, etc.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists stations like EKS2, EKS2, AAK, etc.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists stations like CHMS, CHMS, ULHL, etc.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists stations like ULHL, ULHL, USP, etc.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists stations like USP, USP, TKM2, etc.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists stations like TKM2, TKM2, KK31, etc.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists stations like KK31, KK31, KKAR, etc.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists stations like KKAR, KKAR, KNC, etc.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists stations like KNC, KNC, AAA, etc.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists stations like AAA, AAA, KBL, etc.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists stations like NOA, NOA, NOA, etc.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists stations like TORD, TORD, ILAR, etc.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists stations like ILAR, ILAR, YKA, etc.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists stations like YKA, YKA, ASAR, etc.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists stations like ASAR, ASAR, DDA, etc.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists stations like DDA, DDA, ISCB, etc.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists stations like ISCB, ISCB, CSEM, etc.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists stations like CSEM, CSEM, DDA, etc.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists stations like DDA, DDA, Code, etc.

Table with columns: Code, Station Name, Delta A, Azimuth, Phase ID, Time, Res, ISC. Lists stations like Code, Code, LPAZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CPUP Villa Florida, CFAA Coronel Fontan, CFAA Coronel Fontan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PLUM Mont Dore, DZM Mont Duzumac, NOUC Port Laguerre, etc.

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

JMA 10 16:00:15.7, 0.2, 30.15N; 138.98E, h482km, M3.5
JMA 10 16:00:17.4, 0.6, 30.18N; 138.98E, 0.1, h444km, 7km, mb3.2/9, Error ellipse: s-maj=17.9km s-min=8.7km az=161.6

ISC 10 16:05:34.8, 3.8, 22.95S; 0.3, 171.49E, 0.09, h28km, 26km, n26, e078/22, mb4.2/9, Southeast of Loyalty Islands

ISC 10 17:01:31.1, 1.3, 3.75N; 95.86E, h0km, mb3.9/8, mb1 3.9/8, mb1mx3.7/21, mbmp3.9/8, Error ellipse: s-maj=5.9, 3.3km s-min=1.9, 0.9km az=54.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JH2 Mitsune, CBJI Chichi jima, CBJI Chichi jima, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KULM Kulim, IPM Ipo, CMAR Keskin Arr, etc.

IDC 10 16:02:28.2, 1.9, 1.82N; 128.17E, h0km, mb3.5/3, mb1 3.7/4, mb1mx3.5/17, mbmp3.5/4, ML3.4/1, Error ellipse: s-maj=104.6km s-min=22.8km az=71.0, Halmaitra

IDC 10 16:38:00.8, 2.2, 19.09S; 175.59W, h177km, 20km, mb4.0/13, mb1 4.1/14, mb1mx3.9/21, mbmp3.9/14, Error ellipse: s-maj=20.6km s-min=13.0km az=132.0

IDC 10 17:38:03.8, 1.5, 31.64S; 0.05, 176.17W, 0.2, h33km, mb3.8/4, Error ellipse: s-maj=2.8km s-min=1.7km az=2.7

IDC 10 16:05:30.1, 2.8, 22.97S; 0.3, 171.48E, 0.09, h23km, 24km, mb4.2/9, Error ellipse: s-maj=45.0km s-min=11.0km az=160.9

IDC 10 16:38:07.1, 1.9, 19.22S; 175.71W, 0.1, h242km, 15km, n46, e093/45, mb4.1/15, Tonga Islands

IDC 10 17:38:03.8, 1.5, 31.64S; 0.05, 176.17W, 0.2, h33km, mb3.8/4, Error ellipse: s-maj=2.8km s-min=1.7km az=2.7

10d 18h

Table with columns: THZ, Tophouse, 13.52 218, PN, Pn, 17 41 14.0 -0.5, etc.

ATH 10 17:43:40.9, 37.93N, 20.09E, h7km, 1km, MD3.5/14, ML3.4
CSEM 10 17:43:42.7, 0.3, 38.00N, 20.14E, h2km, ML3.5/11, Error
ellip: s-maj=6.2km s-min=3.7km az=41.0

Code Station Name Az Az' Phase ID Time Res
h m s ISC

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC

2008 DEC

Table with columns: ATAL, Atalanti, 2.43 70, P, Pn, 17 44 22.5 +0.7, etc.

TIR 10 18:44:32.0, 39.49N, 19.68E, h0km, ML3.3
ROM 10 18:44:32.0, 39.35N, 19.09E, h10km, ML3.3/2, Error
ellip: s-maj=12.1km s-min=4.0km az=6.0

Code Station Name Az Az' Phase ID Time Res
h m s ISC

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC

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Table with columns: BUS, Buena Vista, 1.81 100, eP, Pn, 18 40 17.7 +0.5, etc.

SKO 10 18:44:36.1, 43.08N, 19.06E, h1km, ML3.1/3
BEO 10 18:44:48.3, 0.8, 39.90N, 19.71E, h0km, ML3.1/3
ISC 10 18:44:35.3, 0.1, 39.58N, 0.02, 19.14E, 0.03, h19km, 3km,
n165, 0.1914/219, mb3.67, 2C, Ionian Sea

Code Station Name Az Az' Phase ID Time Res
h m s ISC

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC











11 Oh

Table with 4 columns: TBP, Tagbilaran, 2.41 281 eP, Pn, 23 25 35.7 +0.1, 23 26 06.3 +1.1, 23 25 48.9 +2.9

ISCJB 10 23:31:46.0±0.5, 38.23N±0.04, 38.81E±0.03, h5km, 9km, Error ellipse: s-maj=6.7km s-min=3.9km az=170.0

Table with 10 columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC

TAP 10 23:44:21.4, 22.16N, 121.77E, h167km, ML3.5, C, Taiwan region

Table with 10 columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC

GUC 10 23:47:21.2±0.4, 34.07S, 71.49W, h42km, 1km, MD3.8, ML3.3, 4C-4D, Near coast of central Chile

Table with 10 columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC

2008 DEC

Table with 10 columns: SAN, PCH, PCH, NICH, FSR, SJCH, SJCH, CLCH, CLCH, IHA, LMEL, LMEL, LMEL, PEL, PEL, PEL, ROCH, ROCH, ROCH, FCH, FCH, FCH, TALC, TALC, JAHU, JAHU, JAHU, PACH, PACH, PACH

ISCJB 10 23:51:56.1±1.5, 42.20N±0.04, 123.0E±0.1, h11km, 10km, mb3.9/1.0, Error ellipse: s-maj=13.4km s-min=6.5km

Table with 10 columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC

ISCJB 10 23:51:57.4±1.5, 42.28N, 122.91E, h11km, ML3.9/1.1, Error ellipse: s-maj=14.5km s-min=5.6km

Table with 10 columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC

ISCJB 11 00:02:50.6±0.7, 8.60S, 0.06±128.1E, 0.1, h33km, mb4.0/4, Error ellipse: s-maj=14.7km s-min=7.8km az=161.6

ISCJB 11 00:02:50.0±1.0, 8.30S, 127.77E, h0km, mb4.1/3, mb1.4, 1/4, mb1mx3.8/1.3, mbtm3.0/4, ML3.6/1, Error ellipse: s-maj=79.6km s-min=22.6km az=68.0

NEIC 11 00:02:52.7±0.6, 8.53S, 128.20E, h35km, mb4.2/3, Error ellipse: s-maj=14.5km s-min=7.9km az=64.0

ISC 11 00:02:52.9±0.7, 8.58S, 128.15E±0.10, h35km, n26, c095/33, mb4.0/4, Timor Sea

Table with 10 columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC

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Table with 4 columns: LPAZ, La Paz, 150.50 147, PKPbc, PKPbc, 00 22 46.0 +4.1, 00 22 54.4 +1.6

STR 11 00:22:36.5±0.2, 44.56N, 6.89E, h5km, ML2.6, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0

GEN 11 00:22:36.5, 44.54N, 6.86E, h6km, ML2.4, NEIC 11 00:22:36.9, 44.57N, 6.93E, h2km, ML2.7(LDG), After LDG

ROM 11 00:22:36.6±0.3, 44.55N, 6.92E, h10km, M2.4/9, M2.3/4, Error ellipse: s-maj=2.4km s-min=1.4km az=54.0

CSEM 11 00:22:36.2±0.1, 44.57N, 6.88E, h12km, ML2.8/28, Error ellipse: s-maj=2.4km s-min=1.4km az=54.0

LDG 11 00:22:36.9±0.1, 44.57N, 6.93E, h2km, M2.7/3, M2.7/28, Error ellipse: s-maj=1.5km s-min=0.7km az=65.0

ISCJB 11 00:22:36.4±0.2, 44.59N, 0.01±6.92E, 0.03, h26km, 2km, Error ellipse: s-maj=3.9km s-min=2.2km az=158.8

ISC 11 00:22:36.2±0.2, 44.57N, 0.01±6.88E, 0.02, h16km, 2km, n138, c0891/263, TC, France

Table with 10 columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Station Name, Elevation, Frequency, Band, Mode, and other parameters. Includes stations like CABF La Chapelle, LASF Ste Croix, and others.

Table with columns: Station Name, Elevation, Frequency, Band, Mode, and other parameters. Includes stations like PAGF, MEZF, and others.

IDC 11 00:32:44.3:7.7,30.51S:177.08W,h0km,mb3.6/2, mb1 3.9/2,mb1mx3.7/1.5,mbtmp3.6/2, Error ellipse: s-maj=324.2km s-min=58.6km az=155.0, Kermadec Islands

Table with columns: Code, Station Name, Elevation, Frequency, Band, Mode, and other parameters. Includes stations like ASAR Alice Springs, WRA Warramunga Arr, and others.

MAN 11 01:09:09.9:62N:122.33E,h31km,mb4.3,ML3.2,MS3.0, 1C,Negros

Table with columns: Code, Station Name, Elevation, Frequency, Band, Mode, and other parameters. Includes stations like SNPH Sibulan, GUIM Jordan, and others.

ISCJB 11 01:25:11.4:0.6,33.7S:0.1:77.4E:0.1,h10km,mb4.2/16, MS3.8/8, Error ellipse: s-maj=20.8km s-min=14.6km az=26.1

IDC 11 01:25:11.5:0.8,33.66S:77.32E,h0km,mb4.1/11, mb1 4.2/11,mb1mx4.1/20,mbtmp4.1/11,MS3.8/8, Ms1 3.8/8,ms1mx3.5/19, Error ellipse: s-maj=30.0km s-min=24.1km az=54.0

NEIC 11 01:25:12.9:0.4,33.71S:77.33E,h10km,mb4.4/7, Error ellipse: s-maj=13.3km s-min=9.2km az=206.0

ISC 01:25:13.2:0.6,33.75S:0.1:77.4E:0.1,h10km,n37, -0.46/30,mb4.1/16,MS3.8/8, Mid-Indian Ridge

Table with columns: Code, Station Name, Elevation, Frequency, Band, Mode, and other parameters. Includes stations like NWAO Narrogin (SRO), MAW Maxwell, and others.

CSEM 11 01:58:22.7:0.3,43.30N:46.21E,h2km,mb4.2, Error ellipse: s-maj=6.9km s-min=2.6km az=23.0

ISCJB 11 01:58:23.0:0.5,43.23N:0.03:46.18E:0.02,h1km,4km, Error ellipse: s-maj=5.3km s-min=2.3km az=23.1

MOS 11 01:58:24.0:1.8,43.20N:0.14E:0.0km,mb4.2/1, Error ellipse: s-maj=9.8km s-min=5.7km az=35.0

ISC 11 01:58:23.9:0.4,43.23N:0.03:46.18E:0.02,h7km,3km, n61.,c11N/112,4C-12D, Eastern Caucasus

Table with columns: Code, Station Name, Elevation, Frequency, Band, Mode, and other parameters. Includes stations like GRO Groznyy, DLMR Dylm, and others.

Table with columns: Station Name, Elevation, Frequency, Band, Mode, and other parameters. Includes stations like ELL Elmali, ARG Arkhangelos, and others.

CSEM 11 01:58:22.7:0.3,43.30N:46.21E,h2km,mb4.2, Error ellipse: s-maj=6.9km s-min=2.6km az=23.0

ISCJB 11 01:58:23.0:0.5,43.23N:0.03:46.18E:0.02,h1km,4km, Error ellipse: s-maj=5.3km s-min=2.3km az=23.1

MOS 11 01:58:24.0:1.8,43.20N:0.14E:0.0km,mb4.2/1, Error ellipse: s-maj=9.8km s-min=5.7km az=35.0

ISC 11 01:58:23.9:0.4,43.23N:0.03:46.18E:0.02,h7km,3km, n61.,c11N/112,4C-12D, Eastern Caucasus

Table with columns: Code, Station Name, Elevation, Frequency, Band, Mode, and other parameters. Includes stations like GRO Groznyy, DLMR Dylm, and others.

11d 5h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KMSR Komsomolskaya, ARDN Ardon, PRTR Priterechnaya, URKR Urkarakh, etc.

NIED 11 02:02:00, 46.60N, 153.20E, h65km, Mw4.3 Best double couple: M2.92000x:1015 NP1.257.00000x: 8.86.00000x: 1.89.00000x: NP2.257.00000x: 8.4.00000x: 1.99.00000x: ISCJB 11 02:02:24.8, 2.5, 46.56N, 0.2, 153.03E, 0.2, h34km, 2.2km, mb3.5/6, Error ellipse: s-maj=48.0km s-min=11.9km

MOS 11 02:02:25.9, 0.2, 46.58N, 152.80E, h47km, mb3.7/1, Error ellipse: s-maj=42.6km s-min=21.1km az=50.0

IDC 11 02:02:27.8, 3.9, 46.47N, 152.97E, h46km, 34km, mb3.2/6, mb1 3.7/8, mb1mx3.4/25, mbtmp3.4/8, ML3.6/2, MS2.7/3, Ms1 2.7/3, ms1mx2.5/13, Error ellipse: s-maj=59.4km s-min=23.6km az=160.0

ISC 11 02:02:27.4, 2.4, 46.55N, 0.3, 153.03E, 0.2, h41km, 20km, n16, c045/16, mb3.5/6, Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KUR Kuril'sk, PETK Petropavlovsk, ASAJ Asahikawa, etc.

DJA 11 02:06:57, 7.90S, 129.91E, h10km, MLV4.6/4 IDC 11 02:08:23.1, 2.0, 2.87S, 129.57E, h0km, mb3.7/2, mb1 4.0/4, mb1mx3.7/17, mbtmp3.8/4, ML3.7/2, Error ellipse: s-maj=105.0km s-min=17.5km az=72.0, Seram

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MSAI Masohi, AAI Ambon, FAKI Fak Fak, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KSL Kastellorizon, ELL Elmali, ARG Arkhangelos, etc.

IDC 11 02:39:14.5, 10.0, 6.96S, 127.48E, h250km, 116km, mb2.7/1, mb1 3.2/4, mb1mx3.0/15, mbtmp3.0/4, Error ellipse: s-maj=92.7km s-min=35.7km az=47.0, Banda Sea

GUC 11 02:49:45.9, 0.4, 32.71S, h21km, 6km, MD3.7, ML3.6, 5C-1D, Near coast of central Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like IHA Instituto Hidr, ROCH El Roble, LCHH Las Cruces, etc.

IDC 11 02:50:23.6, 2.2, 1.39N, 127.16E, h0km, mb3.5/3, mb1 3.8/3, mb1mx3.5/16, mbtmp3.6/3, Error ellipse: s-maj=177.7km s-min=25.3km az=66.0, Halmahera

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

IDC 11 03:39:42.3, 0.2, 6.71S, 129.55E, h0km, mb4.0/1, mb1 3.9/3, mb1mx3.6/14, mbtmp3.7/3, ML3.8/2, Error ellipse: s-maj=113.2km s-min=30.6km az=68.0, Banda Sea

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

IDC 11 03:41:53.0, 3.4, 29.98N, 113.55W, h0km, mb3.7/1, mb1 3.6/4, mb1mx3.5/22, mbtmp3.2/4, ML3.2/3, MS3.3/4, Ms1 3.3/4, ms1mx2.9/38, Error ellipse: s-maj=38.4km s-min=27.5km az=175.0

ISCJB 11 03:41:55.2, 1.2, 30.43N, 0.0, 113.67W, 0.05, h10km, MS3.2/2, Error ellipse: s-maj=13.8km s-min=5.5km az=10.2

NEIC 11 03:41:55.7, 2.2, 30.34N, 113.80W, h10km, ML3.7, Error ellipse: s-maj=28.6km s-min=8.8km az=11.0

ISC 11 03:41:57.8, 1.1, 30.47N, 0.0, 113.71W, 0.05, h10km, n28, c1924/36, MS3.2/2, Gulf of California

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GLA Glamis, TUC Tucson, BAR Barrett, etc.

TXAR 0.5m, 0.3s, baz=272, slow=14, SNR=33

TXAR 0.2m, 0.3s, baz=270, slow=30, SNR=5.3

TXAR 0.2, 268nm, 18.2s, baz=35, slow=42

TXAR 0.1m, 0.3s, baz=163, slow=16, SNR=4.9

TXAR 0.6m, 0.3s, baz=202, slow=27, SNR=4.2

TXAR 0.0m, 0.3s, baz=127, slow=14, SNR=11

TXAR 0.4m, 0.3s, baz=281, slow=5, SNR=4.5

TXAR 1.3m, 1.0s, baz=142, slow=6.9, SNR=11

IDC 11 04:53:55.2, 7.0, 7.34S, 128.75E, h75km, 62km, mb3.6/2, mb1 3.8/4, mb1mx3.5/14, mbtmp3.6/4, ML3.7/1, Error ellipse: s-maj=117.9km s-min=26.9km az=61.0, Banda Sea

TEH 11 05:05:30.7, 1.1, 27.00N, 0.0, 85.85E, h20km, mb3.6/3, Error ellipse: s-maj=11.6km s-min=6.6km az=165.7

KISR 11 05:05:32.6, 0.4, 26.57N, 54.94E, h34km, ML3.5 IDC 11 05:05:38.2, 7.2, 26.55N, 54.77E, h0km, mb3.7/3, mb1 3.7/3, mb1mx3.4/25, mbtmp3.7/3, Error ellipse: s-maj=70.3km s-min=30.7km az=157.0

ISC 11 05:32:8.1, 0.2, 27.01N, 0.0, 85.85E, 0.06, h10km, n25, c0599/36, mb3.6/3, Southern Iran

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

Table with columns: Code, Station Name, Az, El, Pn, Res, Time, Res. Includes stations like IGAR, Zefreh, IZEF, etc.

Table with columns: Code, Station Name, Az, El, Pn, Res, Time, Res. Includes stations like SLUM, HBRG, HBRG, etc.

Table with columns: Code, Station Name, Az, El, Pn, Res, Time, Res. Includes stations like SSLB, TPUB, NJ2, etc.

ISCJCB 11 05:17.39.0.3, 36.09N, 0.02-27.98E, 0.03, h88km, 5km, Error ellipse: s-maj=4.3km s-min=3.8km az=21.2

SWA2 11 05:17.41.1, 36.26N, 27.96E, h40km, 2km, MD3.3, Error ellipse: s-maj=3.2km s-min=2.5km az=75.0

INCN 11 05:17.41.1, 36.26N, 27.96E, h40km, 2km, MD3.3, Error ellipse: s-maj=3.2km s-min=2.5km az=75.0

Dodecanese Islands

Table listing stations in the Dodecanese Islands, including ARG, ARG, ARG, etc.

Table listing stations in the Ryukyu Islands, including SUZ, SUZ, SUZ, etc.

NIED 11 05:35.27.40N, 128.10E, h71km, Mw4.9 Best double couple: Ma2.240000, 1016 NP1.878.00000, delta.85.00000, lambda.114.00000, NP2.179.00000, delta.25.00000, lambda.111.00000

Ryukyu Islands

Table listing stations in the Ryukyu Islands, including JIH, JOW, JOW, etc.

Table listing stations in the Ryukyu Islands, including MDJ, MDJ, MDJ, etc.

ISCJCB 11 05:35.18.0.0, 27.45N, 0.02-28.04E, 0.02, h66km, 2km, Error ellipse: s-maj=4.9km s-min=2.4km az=139.7

Table listing stations in the Ryukyu Islands, including HHC, HHC, HHC, etc.





FINES	comp=Z,2.0m,0.4s	MLR	MLR						
RES	comp=Z,1.25nm,21.7s								
RES	Resolute Bay 74.39 11 eP	P	P	05 46 47.4	-1.0				
RES	comp=Z,3.3nm,0.8s,mb5.1								
RES	Resolute Bay 74.39 11 eP	P	P	05 46 47.4	-1.0				
AKASG	comp=Z,3.3nm,0.8s,mb5.1								
AKASG	Main Array B 74.50 319 P	P	P	05 46 48.3	-1.1				
AKASG	comp=Z,3.8nm,0.4s,mb4.5,baz=55,slow=6.1,SNR=15	LR	LR	06 22 03.8					
AKASG	comp=Z,2.46nm,20.6s,baz=55,slow=38								
AKASG	Main Array Be 74.50 319 P	P	P	05 46 48.3	-1.1				
AKASG	Main Array Be 74.50 319 P	P	P	05 46 48.3	-1.1				
AKASG	comp=Z,4.0nm,0.4s								
AKASG	comp=Z,2.46nm,20.6s	MLR	MLR						
KIEV	74.51 319 eP	P	P	05 46 47.9	-1.5				
KIEV	comp=Z,8.7nm,0.6s,mb4.7								
KIEV	74.51 319 d i P	P	P	05 46 48.4	-1.1				
BR131	Keskin Array S 76.16 308 eP	P	P	05 46 58.6	-0.5				
BRTR	Keskin Array B 76.16 308 P	P	P	05 46 59.0	-0.1				
BRTR	comp=Z,1.0nm,0.8s,mb4.6,baz=93,slow=5.7,SNR=67	LR	LR	06 24 29.0					
BRTR	comp=Z,3.8nm,18.1s,baz=218,slow=39								
BRTR	Keskin Array B 76.16 308 P	P	P	05 46 59.0	-0.1				
BRTR	Keskin Array B 76.16 308 P	P	P	05 46 59.0	-0.1				
BRTR	comp=Z,1.0nm,0.9s								
BRTR	comp=Z,3.8nm,18.1s	MLR	MLR						
ASF	Jabal al Asfar 76.82 299 P	P	P	05 47 03.8	+0.8				
ASF	comp=Z,8.9nm,0.8s,mb4.5,baz=268,slow=2.5,SNR=7.5								
ASF	Jabal al Asfar 76.82 299 P	P	P	05 47 03.8	+0.8				
ASF	Jabal al Asfar 76.82 299 P	P	P	05 47 03.8	+0.8				
YKA	comp=Z,9.0nm,0.8s								
YKA	Yellowknife Arr 77.50 25 P	P	P	05 47 05.6	-0.6				
YKA	comp=Z,7.0nm,0.8s,mb4.4,baz=300,slow=5.5,SNR=58								
YKA	Yellowknife Arr 77.50 25 P	P	P	05 47 05.7	-0.5				
YKA	Yellowknife Arr 77.50 25 P	P	P	05 47 05.7	-0.5				
TESR	77.86 316 i P	P	P	05 47 08.3	-0.2				
VRI	Vrincioia 78.10 316 i P	P	P	05 47 10.9	+1.0				
NB2	NORSAR Subarra 78.15 334 P	P	P	05 47 08.5	-1.4				
NOA	comp=Z,1.9nm,0.8s,mb4.8,baz=52,slow=5.6								
NOA	NORSAR Array B 78.15 334 P	P	P	05 47 08.8	-1.1				
NOA	comp=Z,1.4nm,0.8s,mb4.8,baz=51,slow=5.5,SNR=41	LR	LR	06 22 20.1					
NOA	comp=Z,6.6nm,21.2s,baz=70,slow=36								
NOA	NORSAR Array B 78.15 334 P	P	P	05 47 08.8	-1.1				
NOA	NORSAR Array B 78.15 334 P	P	P	05 47 08.8	-1.1				
NOA	comp=Z,1.4nm,0.8s								
NOA	comp=Z,6.6nm,21.2s	MLR	MLR						
PJOR	Plostina 78.16 316 i P	P	P	05 47 11.7	+1.5				
BUR08	Bucovina Ar. S 78.22 318 eP	P	P	05 47 10.2	-0.3				
BURAR	Bucovina Array 78.22 318 i P	P	P	05 47 10.6	+0.1				
MLR	Muntele Rosu 78.76 315 i P	P	P	05 47 13.6	+0.1				
TRPA	Tarpa 79.55 319 i P	P	P	05 47 18.0	+0.2				
CRVS	Cervenica-Dubn 79.79 320 eP	P	P	05 47 19.1	0.0				
CRVS	comp=Z,6.0nm,1.0s,mb4.9								
CRVS	Cervenica-Dubn 79.79 320 eP	P	P	05 47 19.1	0.0				
SUMG	Summit 79.81 356 eP	P	P	05 47 19.0	+0.2				
SUMG	comp=Z,2.5nm,0.8s,mb5.1								
SUMG	Summit 79.81 356 i P	P	P	05 47 19.0	+0.2				
SUMG	comp=Z,2.4nm,0.9s								
SUMG	Summit 79.81 356 i P	P	P	05 47 19.0	+0.2				
SCO	Scoresbysund 80.03 350 i P	P	P	05 47 19.8	-0.2				
SCO	comp=Z,2.4nm,0.9s,mb5.0								
SCO	Scoresbysund 80.03 350 i P	P	P	05 47 19.8	-0.2				
SCO	comp=Z,1.1nm,1.1s,mb4.6								
SCO	Scoresbysund 80.03 350 i P	P	P	05 47 19.8	-0.2				
OJC	Ojcow 80.06 322 eP	P	P	05 47 20.6	+0.1				
OJC	comp=Z,1.5nm,0.8s,mb4.9								
OJC	Ojcow 80.06 322 eP	P	P	05 47 20.6	+0.1				
NIE	Niedzica 80.18 321 eP	P	P	05 47 21.8	+0.6				
NIE	Niedzica 80.18 321 eP	P	P	05 47 21.8	+0.6				
KECS	Kecovo 80.56 320 eP	P	P	05 47 23.1	-0.2				
KECS	comp=Z,4.0nm,1.2s,mb4.1								
KECS	Kecovo 80.56 320 eP	P	P	05 47 23.1	-0.2				
ZKZ	Gura Zlata 80.78 316 i P	P	P	05 47 24.9	+0.5				
OKC	Ostrava-Krasne 81.16 322 eP	P	P	05 47 26.4	0.0				
OKC	Ostrava-Krasne 81.16 322 eP	P	P	05 47 26.4	0.0				
EZS	Buzias 81.36 317 i P	P	P	05 47 26.8	0.7				
MORC	Moravsky Berou 81.53 322 eP	P	P	05 47 28.3	-0.1				
MORC	comp=Z,3.4nm,1.8s,mb4.9								
MORC	Moravsky Berou 81.53 322 eP	P	P	05 47 28.3	-0.1				
MORC	comp=Z,3.5nm,1.8s,mb4.9								
MORC	Moravsky Berou 81.53 322 i P	P	P	05 47 28.0	-0.3				
A05A	Maple Falls 81.61 321 i P	P	P	05 47 28.3	-0.5				
KSP	Ksiaz 81.61 323 eP	P	P	05 47 28.5	-0.3				
KSP	Ksiaz 81.61 323 eP	P	P	05 47 28.5	-0.3				
DPC	Dobruska-Polom 81.87 323 eP	P	P	05 47 30.8	+0.6				
DPC	comp=Z,1.3nm,1.1s,mb4.7								
DPC	Dobruska-Polom 81.87 323 eP	P	P	05 47 30.8	+0.6				
DPC	comp=Z,1.3nm,1.1s,mb4.7								
DPC	Dobruska-Polom 81.87 323 i P	P	P	05 47 30.6	+0.4				
VTS	Vitosa 81.88 314 i P	P	P	05 47 30.9	+0.5				
UPC	Upice 81.95 323 eP	P	P	05 47 30.6	0.0				
UPC	Upice 81.95 323 eP	P	P	05 47 30.6	0.0				
E03A	Lebam 82.06 41 i P	P	P	05 47 31.5	+0.2				
VRAC	Vranov 82.30 322 i P	P	P	05 47 32.9	+0.5				
BSEG	Bad Segeberg 82.80 328 eP	P	P	05 47 35.0	+0.1				
BSEG	comp=Z,7.6nm,1.1s,mb5.4								
BSEG	Bad Segeberg 82.80 328 eP	P	P	05 47 35.0	+0.1				
PKSM	Moragy 82.82 319 i P	P	P	05 47 36.1	+0.9				
BRG	Bergjesshubel 82.83 324 eP	P	P	05 47 34.8	-0.3				
BRG	comp=Z,2.5nm,1.2s,mb4.3								
BRG	Bergjesshubel 82.83 324 eP	P	P	05 47 34.9	-0.2				
LOH	Longmire 82.97 41 eP	P	P	05 47 36.3	+0.3				
LOH	comp=Z,5.9nm,1.1s,mb4.7								
LOH	Longmire 82.97 41 eP	P	P	05 47 36.3	+0.3				
PRU	Pruhonice 83.02 323 eP	P	P	05 47 36.2	0.0				
PRU	Pruhonice 83.02 323 eP	P	P	05 47 36.2	0.0				
CLL	Collim 83.06 325 eP	P	P	05 47 35.9	-0.4				
CLL	comp=Z,2.4nm,1.1s,mb4.9								
CLL	Collim 83.06 325 i P	P	P	05 47 35.7	-0.6				
CLL	comp=Z,2.4nm,1.1s,mb4.9								
CLL	Collim 83.06 325 i P	P	P	05 47 35.7	-0.6				
CLL	comp=Z,2.4nm,1.1s,mb4.9								
CLL	Collim 83.06 325 i P	P	P	05 47 35.7	-0.6				
ETW	Entiat 83.35 39 eP	P	P	05 47 38.0	+0.1				
CONA	Conrad Observa 83.47 321 i P	P	P	05 47 38.8	+0.3				
CONA	comp=Z,1.6nm,1.1s,mb4.8								
NRDL	Niedersich Rf 83.78 327 eP	P	P	05 47 40.0	0.0				
NRDL	comp=Z,2.4nm,1.8s,mb4.3								
HOOD	Mount Hood Mea 83.84 42 eP	P	P	05 47 41.1	+0.6				
HOOD	comp=Z,1.5nm,1.0s,mb4.8								
TANN	Tannenberghaus 83.86 325 eP	P	P	05 47 40.2	-0.3				
TANN	comp=Z,1.1nm,1.0s,mb4.5								
NKC	Novy Kostel 83.98 324 eP	P	P	05 47 41.2	+0.2				
NKC	Novy Kostel 83.98 324 eP	P	P	05 47 41.2	+0.2				
KHC	Kasperske Hory 84.03 323 eP	P	P	05 47 41.4	+0.1				
KHC	comp=Z,1.7nm,1.3s,mb4.0								
KHC	Kasperske Hory 84.03 323 eP	P	P	05 47 41.4	+0.1				
KHC	comp=Z,1.7nm,1.3s,mb4.0								
CLZ	Clausthal 84.06 326 eP	P	P	05 47 41.8	+0.4				
CLZ	comp=Z,6.4nm,1.0s,mb5.4								
CLZ	Clausthal 84.06 326 eP	P	P	05 47 41.8	+0.4				
CLZ	comp=Z,6.4nm,1.0s,mb5.4								
GE2C	GERESS Array S 84.13 323 eP	P	P	05 47 41.6	-0.3				
GE2C	comp=Z,1.7nm,1.3s,mb4.7								
GE2C	GERESS Array S 84.13 323 eP	P	P	05 47 41.6	-0.3				

GE2C	comp=Z,1.7nm,1.3s,mb4.7								
GERES	GERESS Array B 84.13 323 P	P	P	05 47 41.4	-0.5				
GERES	comp=Z,5.6nm,0.9s,mb4.4,baz=58,slow=3.5,SNR=25	LR	LR	06 28 29.5					
GERES	comp=Z,1.01nm,18.2s,baz=311,slow=38								
GERES	GERESS Array B 84.13 323 P	P	P	05 47 41.4	-0.5				
GERES	GERESS Array B 84.13 323 P	P	P	05 47 41.4	-0.5				
GERES	comp=Z,6.0nm,0.9s								
GERES	comp=Z,1.01nm,18.2s	MLR	MLR						
MOX	Moxa 84.16 325 eP	P	P	05 47 41.7	-0.3				
MOX	comp=Z,1.6nm,1.0s,mb4.8								
MOX	Moxa 84.16 325 eP	P	P	05 47 41.7	-0.3				
MOX	comp=Z,1.6nm,1.0s,mb4.8								
OD2	Odessa Site #2 84.38 39 eP	P	P	05 47 43.0	-0.2				
ROTZ	Rotzenmuhle 84.38 324 eP	P	P	05 47 43.4	+0.3				
C09A	Christman Ranch 84.38 38 i P	P	P	05 47 43.4	+0.2				
WET	Wetzell 84.39 323 eP	P	P	05 47 42.6	-0.6				
WET	comp=Z,2.4nm,1.5s,mb4.5								
WET	Wetzell 84.39 323 eP	P	P	05 47 42.6	-0.6				
WET	comp=Z,2.4nm,1.5s,mb4.5								
RSW	Rattlesnake Hi 84.44 40 eP	P	P	05 47 44.1	+0.6				
HAWA	Hamford 84.48 40 eP	P	P	05 47 44.0	+0.3				
HAWA	comp=Z,1.1nm,0.9s,mb4.7								
HAWA	Carlson Farm, 84.49 41 eP	P	P	05 48 02.5	+0.7				
H06A	Hull Mountain 84.52 45 eP	P	P	05 47 44.6	+0.7				
GUMG	comp=Z,1.2nm,1.4s,mb4.6								
NEW	Newport 84.74 38 eP	P	P	05 47 44.9	0.0</				



Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAT Saijyo, JNU Naksutse, JMK Ichinoseki, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CEYT Ceyhan, KUZU Kuzuni, etc.

ISCJJB 11 06:01:16.01.1.9, 4.8N, 0.2E, 123.2E, 0.3, h596km, 27km, mb3.8/10, Error ellipse: s-maj=54.0km s-min=11.1km az=147.2

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KKM Kota Kinabalu, FITZ Fitzroy Crossi, WRA Warrungarra Arr, etc.

ISC 11 06:07:60.0.3.3, 4.66S, 152.97E, h0km, mb4.0/3, mb1.4/2.3, mb1mx3.8/16, mbtmp4.0/3, MS3.7/1, Ms1 3.7/1, ms1mx2.7/25, Error ellipse: s-maj=124.8km s-min=46.1km az=125.0, New Britain region

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warrungarra Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, etc.

ISCJJB 11 06:19:43.0.0.5, 4.2'68N, 0.02'23.88E, 0.03, h3km, 4km, Error ellipse: s-maj=3.9km s-min=3.0km az=143.0

SOF 11 06:19:44.1, 4.2'58N, 23.89E, h10km, MD2.6, BEO 11 06:19:44.6, 1.1, 4.2'68N, 23.89E, h10km, MD2.6, THE 11 06:19:44.7, 4.2'59N, 23.91E, h10km, MD2.6, Error ellipse: s-maj=4.0km s-min=1.3km az=12.0

ISC 11 06:19:47.0.4, 4.266N, 0.02'23.90E, 0.03, h2km, 4km, n55, c088/87, 11C-2D, Bulgaria

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PGB Panagyurishte, VTS Vitosh, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ALN Gruzu, GRUS Gruzu, GZRU Gura Zlata, etc.

NIED 11 06:22:30.38'60N, 143'20E, h17km, Mw3.8, Best double couple: M4.860000-1014, NP1=11.00000, 868.00000, 1.83.00000, NP2=210.00000, 823.00000, 1.08.00000

JMA 11 06:22:33.0.1, 38'59N, 143'19E, h2km, 4km, M4.0, ISCJJB 11 06:22:34.2.1, 38'59N, 143'19E, h2km, 4km, M4.0, h31km, 11km, mb3.7/7, Error ellipse: s-maj=9.0km s-min=6.8km az=29.7

NEIC 11 06:22:36.9.1.2, 38'63N, 143'25E, h40km, MG4.0(JMA), Error ellipse: s-maj=25.6km s-min=13.9km az=106.0

ISC 11 06:22:34.9.1, 4.3855N, 0.04'143.15E, 0.06, h20km, 10km, n33, c091/43, mb3.8/7, Off east coast of Honshu

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like OFUJ Ofunato, MIY Miyakonagasawa, JIO Ouri, etc.

ERM Erimo, JRM Matushiro Arr, MJAR Matushiro Arr, MAT Matushiro, ASAJ Asahikawa

ASAJ Asahikawa, ZALV Zalesovo Beam, MKAR Makanchi Array, KURK Kurchatov

KURK Kurchatov, ILAR Eielson Array, BVAR Borovoye Array, WRA Warrungarra Arr

ASAR Alice Springs, ASAJ Asahikawa, ZALV Zalesovo Beam, MKAR Makanchi Array

KURK Kurchatov, ILAR Eielson Array, BVAR Borovoye Array, WRA Warrungarra Arr

ASAR Alice Springs, ASAJ Asahikawa, ZALV Zalesovo Beam, MKAR Makanchi Array

KURK Kurchatov, ILAR Eielson Array, BVAR Borovoye Array, WRA Warrungarra Arr

ASAR Alice Springs, ASAJ Asahikawa, ZALV Zalesovo Beam, MKAR Makanchi Array

KURK Kurchatov, ILAR Eielson Array, BVAR Borovoye Array, WRA Warrungarra Arr

ASAR Alice Springs, ASAJ Asahikawa, ZALV Zalesovo Beam, MKAR Makanchi Array

KURK Kurchatov, ILAR Eielson Array, BVAR Borovoye Array, WRA Warrungarra Arr

ASAR Alice Springs, ASAJ Asahikawa, ZALV Zalesovo Beam, MKAR Makanchi Array

KURK Kurchatov, ILAR Eielson Array, BVAR Borovoye Array, WRA Warrungarra Arr

ASAR Alice Springs, ASAJ Asahikawa, ZALV Zalesovo Beam, MKAR Makanchi Array

KURK Kurchatov, ILAR Eielson Array, BVAR Borovoye Array, WRA Warrungarra Arr

ASAR Alice Springs, ASAJ Asahikawa, ZALV Zalesovo Beam, MKAR Makanchi Array

KURK Kurchatov, ILAR Eielson Array, BVAR Borovoye Array, WRA Warrungarra Arr

ASAR Alice Springs, ASAJ Asahikawa, ZALV Zalesovo Beam, MKAR Makanchi Array



CHN1 baz=225 eS Sn 07 33 25.2 -0.9

CSEM 11 07:43:43.7,0.2,38:34N:21:99E,h10km,ML1.7/8,Error ellipse: s-maj=4.4km s-min=4.1km az=139.0

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s ISC. Includes stations like MWZ, TCW, TOR, PRGZ, etc.

WEL 11 07:50:50.4,0.4,35:78S:178:24E,h214km,gkm,ML3.5/7, Error ellipse: s-maj=15.2km s-min=10.4km az=90.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s ISC. Includes stations like MXZ, MUZ, PUK, MWZ, etc.

MEX 11 08:33:10.8,0.5,16:86N:99:75W,h27km,gkm,MD3.5, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s ISC. Includes stations like ACX, ACX, CAIG, etc.

IDC 11 08:42:52.9,5.7,1:32S:100:32E,h0km,mb3.7/4, mb1 3.8/4, mb1mx3.6/19, mbtmp3.7/4, Error ellipse: s-maj=296.5km s-min=23.0km az=54.0, Southern Sumatara

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

ISCJB 11 09:05:48.3,1.6,6:97S:0:09:155:79E:0:06,h103km,15km, mb3.9/15, Error ellipse: s-maj=15.7km s-min=10.3km, az=166.4

IDC 11 09:05:49.9,0.9,6:97S:155:78E,h97km,23km,mb3.8/13, mb1 3.9/16, mb1mx3.9/21, mbtmp3.8/16, MS3.3/5, Ms1 3.3/5, ms1mx2.9/26, Error ellipse: s-maj=17.9km s-min=16.1km az=139.0

NEIC 11 09:05:49.9,0.9,6:97S:155:81E,h104km,gkm,mb4.7/4, Error ellipse: s-maj=9.6km s-min=7.1km az=149.0

ISC 11 09:05:49.7,1.4,6:96S:0:09:155:81E:0:07,h102km,13km, n45,-0:65/44,mb3.9/15,Bougainville - Solomon Islands region

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

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

IDC 11 09:09:01.4,5.7,0,13:02S:164:94E,h0km,mb3.8/3, mb1 4.0/3, mb1mx3.6/16, mbtmp3.8/3, Error ellipse: s-maj=957.5km s-min=107.9km az=62.0, Vanuatu Islands region

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

MOS 11 09:09:19.1,4.4,43:24N:46:22E,h15km,mb4.0/1, Error ellipse: s-maj=10.3km s-min=7.2km az=27.8

CSEM 11 09:09:19.3,0.3,43:26N:46:19E,h2km,mb4.0, Error ellipse: s-maj=6.1km s-min=2.9km az=24.0

ISC 11 09:09:20.6,0.5,43:20N:46:17E:0:02,h9km,4km, n48,-0:99/90,4C-5D, Eastern Caucasus

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s ISC. Includes stations like GRO, GRO, DBC, etc.

UNCR Uncukul comp=2.47nm,0.2s 0.67 136 i/Pg P 09 32.5 -1.0

UNCR Uncukul comp=2.47nm,0.2s 0.67 136 i/Pg P 09 32.5 -1.0

UNCR Uncukul comp=2.47nm,0.2s 0.67 136 i/Pg P 09 32.5 -1.0

UNCR Uncukul comp=2.47nm,0.2s 0.67 136 i/Pg P 09 32.5 -1.0

UNCR Uncukul comp=2.47nm,0.2s 0.67 136 i/Pg P 09 32.5 -1.0

UNCR Uncukul comp=2.47nm,0.2s 0.67 136 i/Pg P 09 32.5 -1.0

UNCR Uncukul comp=2.47nm,0.2s 0.67 136 i/Pg P 09 32.5 -1.0

UNCR Uncukul comp=2.47nm,0.2s 0.67 136 i/Pg P 09 32.5 -1.0

UNCR Uncukul comp=2.47nm,0.2s 0.67 136 i/Pg P 09 32.5 -1.0

UNCR Uncukul comp=2.47nm,0.2s 0.67 136 i/Pg P 09 32.5 -1.0

UNCR Uncukul comp=2.47nm,0.2s 0.67 136 i/Pg P 09 32.5 -1.0















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

ISC/JB 11 13:01:35.71.7.8:0S:0.2:67.7E:0.3:h10km,mb4.0/11, Error ellipse: s-maj=47.8km s-min=19.7km az=139.0

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res, ISC. Includes stations like CMAR, MKAR, BRTR, AKTO, etc.

ISC/JB 11 13:06:18.8:1.7.8:0S:0.3:67.9E:0.3:h10km,mb3.8/6, Error ellipse: s-maj=52.2km s-min=21.1km az=142.0

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

IDC 11 13:06:08.3:0.6.35:22N:81.43E,h0km,mb4.2/18, mb1.4,3/22,mb1mx4.2/28,mbtmp4.2/22,ML3.9/4,MS3.9/16,Ms14.0/16,ms14.0/33,Error ellipse: s-maj=18.6km s-min=13.0km az=51.0

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res, ISC. Includes stations like SDNR, SMLA, SMLA, SMLA, etc.

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res, ISC. Includes stations like KSH, CHCP, DANN, KOLN, etc.

ISC/JB 11 13:01:38.8:0.9.7:86S:0.2:67.8E:0.3:h10km,n26, s=63120,mb4.0/11, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res, ISC. Includes stations like KSH, CHCP, DANN, KOLN, etc.

ISC/JB 11 13:06:21.7:1.2.7:91S:0.2:67.9E:0.3:h10km, Error ellipse: s-maj=59.5km s-min=18.1km az=49.0

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

IDC 11 13:06:08.3:0.6.35:22N:81.43E,h0km,mb4.2/18, mb1.4,3/22,mb1mx4.2/28,mbtmp4.2/22,ML3.9/4,MS3.9/16,Ms14.0/16,ms14.0/33,Error ellipse: s-maj=18.6km s-min=13.0km az=51.0

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res, ISC. Includes stations like KBL, KK31, KK31, etc.

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res, ISC. Includes stations like GTA, KURB, KURBB, etc.

ISC/JB 11 13:06:21.7:1.2.7:91S:0.2:67.9E:0.3:h10km,n17, s=077/13,mb3.8/6, Mid-Indian Ridge

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

ISC/JB 11 13:06:18.8:1.7.8:0S:0.3:67.9E:0.3:h10km,mb3.8/6, Error ellipse: s-maj=52.2km s-min=21.1km az=142.0

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

IDC 11 13:06:08.3:0.6.35:22N:81.43E,h0km,mb4.2/18, mb1.4,3/22,mb1mx4.2/28,mbtmp4.2/22,ML3.9/4,MS3.9/16,Ms14.0/16,ms14.0/33,Error ellipse: s-maj=18.6km s-min=13.0km az=51.0

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res, ISC. Includes stations like ZRNK, ZRNK, KMI, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Songino Array, SONGINGO, AKASG, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Malin Array, JOF, FINES, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Neumayer Olymp, LPAZ, etc.







IHA	Instituto Hidr	1.97 184	eP	Pn	16 04 49.5 +4.3
PEL	Peldehue	2.20 162	eP	Pn	16 04 49.0 +0.8
PEL		2.20 162	eS	Sn	16 05 16.1 +1.9
PEL			eS	SNL	16 05 36.1
CLCH	comp=E,680nm,0.5s				
CLCH	Cerro Canal	2.48 161	eP	Pn	16 04 53.0 +0.9
CLCH			eP	AML	16 05 40.3
FCH	Farelloes	2.49 156	eP	Pn	16 04 53.5 +1.3
FCH			eS	Sn	16 05 22.9 +1.3
SAH	Santiago	2.50 164	eP	Pn	16 05 10.7 +1.8
VACH	Vallenar	2.55 15	eP	Pn	16 04 52.4 -0.6
PCH	Pirque	2.65 162	eP	Pn	16 04 55.8 +0.7
LMEL	Las Melosas	2.95 159	eP	Pn	16 04 60.0 +0.8
CACH	El Canelo	3.19 166	eP	Pn	16 05 02.7 +1.4

IDC 11 16:11:13.4:1.7:7.17S:120.35E:h398km,17km,mb3.4/4,  
mb1.3/6.7,mb1mx3.3/19,mbtmp3.4/7, Error ellipse:  
s-maj=116.1km s-min=12.9km az=58.0

NEIC 11 16:11:13.3:0.7:7.09S:120.49E:h396km,7km,mb3.8/2,  
Error ellipse: s-maj=48.7km s-min=6.6km az=56.0

ISC 11 16:11:13.4:0.9:7.15:0.3:120.5E:0.4,h397km,11km,n19,  
e0523/22,mb3.6/3,Flores Sea

Code	Station Name	Δ <sup>a</sup>	AZ <sup>b</sup>	Phase ID	Time	Res
					h m s	ISC
KAPI	Kappang	2.20 341	Op	Pn	16 12 10.7 +0.3	
KAPI	Kappang	2.20 341	eP	Pn	16 12 10.2 -0.2	
FITZ	Fitzroy Crossi	12.03 156	P	P	16 13 53.2 -0.3	
FITZ			S	S	16 16 17.7 +1.2	
FITZ			S	S	16 16 17.7 +1.2	
FITZ	Fitzroy Crossi	12.03 156	P	P	16 13 53.2 -0.3	
WRA	Warramunga Arr	18.54 135	P	P	16 15 03.7 -0.1	
WRAB	Tennant Creek	18.54 135	eP	P	16 15 03.8 0.0	
WB2	Warramunga Arr	18.55 135	eP	P	16 15 03.7 -0.2	
WB2			eS	S	16 18 14.3 0.0	
AS31	Alice Springs	20.91 143	eP	P	16 15 26.5 +0.1	
ASAR	Alice Springs	20.91 143	eP	P	16 15 26.5 +0.2	
ASAR	Alice Springs	20.91 143	eP	P	16 15 26.6 +0.2	
ASAR	Alice Springs	20.91 143	eP	P	16 15 26.6 +0.2	
STKA	Stephens Creek	31.55 144	P	P	16 17 01.1 +0.3	
STKA	Stephens Creek	31.55 144	eP	P	16 17 01.0 +0.2	
CHTO	Chiang Mai	33.38 321	P	P	16 17 16.9 +0.2	
MK31	Makanchi Array	63.47 332	eP	P	16 21 02.2 -0.3	
MKAR	Makanchi Array	63.47 332	P	P	16 21 02.9 +0.3	
MKAR	Makanchi Array	63.47 332	P	P	16 21 02.9 +0.3	
ZALV	Zalesovo Beam	67.82 338	P	P	16 21 29.4 -0.4	
ZALV	Zalesovo Beam	67.82 338	P	P	16 21 29.4 -0.4	

MOS 11 16:29:04.0:0.9,19:04S:175.38W,h186km,mb4.9/24,  
Error ellipse: s-maj=9.1km s-min=7.5km az=51.4

ISCJB 11 16:29:10.0:0.1,19:11S:0.03:175.43W:0.02,h239km,  
mb5.2/188, Error ellipse: s-maj=4.6km s-min=2.4km  
az=146.7

IDC 11 16:29:10.9:0.6,19:16S:175.35W,h240km,5km,mb4.9/23,  
mb1.4/9.24,mb1mx4.9/25,mbtmp4.9/24, Error ellipse:  
s-maj=11.0km s-min=7.5km az=129.0

NEIC 11 16:29:10.5:0.1,19:11S:175.33W,mb5.0/96, Error  
ellipse: s-maj=6.1km s-min=3.8km az=146.0

BUI 11 16:29:10.8,18:41S:175.22W,h230km,mb5.3/23,  
mb5.2/46

BGS 11 16:29:11.8:3.5,19:11S:175.33W,h238km,mb5.0(NEIC)  
GCMT 11 16:29:13.1:0.2,19:13S:174.94W,h243km,1km,MW5.3,  
Moment Tensor Solution: e66,e94, s73,c110, Moment  
tensor: Scale 10<sup>7</sup>Nm; Mr:0.0; Mw:0.0; Mw:0.0;  
Mw:0.0; Mw:0.0; Mw:0.0; Best double couple:  
Mw:1.00000x10<sup>17</sup> NPI:0.278,00000; δ14.00000;  
λ151.00000; NP2:0.37,00000; δ83.00000; λ78.00000;  
Principal axes: T 1.0400, P1650.0000, Azm293.0000; N  
0.0300, Plg12.0000, Azm38.0000; P -1.0700,  
Plg37.0000, Azm137.0000; Data Used: II UC I G C N.

DJA 11 16:29:21.9:28S:175.90W,h314km,MW5.3/49  
ISC 11 16:29:11.5:0.1,19:11S:0.03:175.40W:0.02,h241km,  
h241km,2.0km;pp-P,n964,e079/679,mb5.2/188,  
257C-136D, Tonga Islands

Code	Station Name	Δ <sup>a</sup>	AZ <sup>b</sup>	Phase ID	Time	Res
					h m s	ISC
AFI	Afiatalu	6.23 34	P	Pn	16 30 34.6 -7.9	
AFI			S	S	16 31 39.1 -1.6	
AFI	Afiatalu	6.23 34	P	Pn	16 31 34.6 -7.9	
AFI			S	S	16 31 39.1 -1.6	
MSVF	Nonsavu	6.37 281	eP	Pn	16 30 47.6 +3.4	
MSVF			eS	S	16 32 06.3 +8.1	
MSVF	Nonsavu	6.37 281	eP	Pn	16 30 47.6 +3.4	
MSVF			pmax	pmax		
RAO	Raoul Island	10.35 192	Pn	Pn	16 31 28.9 -5.7	
RAO			eS	S	16 33 23.5 -7.2	
RAO	Raoul Island	10.35 192	P	Pn	16 31 28.9 -5.7	
RAO			S	S	16 33 23.5 -7.3	
FUNA	Funafuti	11.76 333	eP	Pn	16 31 53.4 +0.9	
RAR	Rarotonga	14.82 101	P	Pn	16 32 26.8 -3.2	
RAR			eP	Pn	16 32 26.8 -4.0	
RAR			eS	S	16 32 26.8	
RAR			eS	S	16 35 16.6 +2.7	
RAR	Rarotonga	14.82 101	eP	Pn	16 32 26.8 -4.0	
RAR			pmax	pmax		
NORM	Noumea	17.24 257	eP	P	16 32 58.3 +1.9	
DZM	Mont Dzumac	17.25 257	eP	P	16 32 58.9 +2.2	
DZM	Mont Dzumac	17.25 257	eP	P	16 32 58.7 +2.0	
NOUC	Port Laguerre	19.25 257	eP	P	16 32 59.9 +1.7	
OUZ	Omahuta	17.87 209	eP	P	16 33 14.2 +1.2	
WCZ	Waipu Caves	19.05 206	PN	P	16 33 17.7 +1.7	
KUZ	Kuotunou	19.22 202	PN	P	16 33 19.3 +1.6	
PUZ	Puketitii	19.69 195	PN	P	16 33 22.4 -0.3	
PUZ			SN	S	16 36 47.9 -3.4	
MKAZ	Moumakai	19.75 203	PN	P	16 33 24.6 +1.2	
MWZ	Matawai	20.12 196	PN	P	16 33 27.5 +0.2	
URZ	Urewera	20.16 197	P	P	16 33 26.1 -1.7	
URZ			S	S	16 36 54.4 -6.1	
URZ	Urewera	20.16 197	eP	P	16 33 26.1 -1.7	
URZ			eS	S	16 36 53.0 -7.5	
URZ			S	S	16 36 54.4 -6.1	
URZ	Urewera	20.16 197	eP	P	16 33 25.6 -2.2	
HIZ	Haiti	21.11 202	PN	P	16 33 39.1 +1.4	
PXZ	Pawani	21.93 196	eP	PN	16 33 43.9 -1.2	
TSZ	Takaripi Road	22.16 198	PN	P	16 33 45.6 -2.1	
TSZ			SN	S	16 37 35.5 +2.6	
NRZ	Ngariki Road	22.17 202	PN	P	16 33 52.8 +5.1	
SNZO	South Karori	23.69 199	eP	P	16 34 01.5 0.0	
SNZO			eS	S	16 38 01.6 +3.4	
QRZ	Quartz Range	23.99 203	PN	P	16 34 04.7 +0.5	
NRZ	Nelson	24.03 201	PN	P	16 34 02.7 -2.0	
NNZ			SN	S	16 38 06.1 +2.4	
TBI	Tubuai	24.53 104	PN	P	16 34 06.3 -3.1	
PAE	Paea	24.54 91	eP	P	16 34 06.2 -3.3	
PP2T	Papeete	24.55 91	eP	P	16 34 07.7 -1.9	
PP2T			eP	P	16 34 08.2	

comp=Z,49nm,1.4s						
THZ	Tophouse	24.68 201	PN	P	16 34 10.3 -0.2	
THZ			SN	S	16 38 15.9 +2.0	
THZ			S	S	16 34 08.6 -3.0	
TIAR	Tiarei	24.77 91	eP	P	16 34 51.6	
TIAR			eP	P	16 34 51.6	
KHZ	Kahutara	25.05 200	eP	P	16 34 13.5 -0.3	
KHZ			eS	S	16 38 20.2 +0.4	
KHZ	Kahutara	25.05 200	PN	P	16 34 13.5 -0.3	
HSR	Hennions Nort	25.06 203	PN	P	16 34 14.2 +0.3	
DNZ	Doniara	25.73 289	P	P	16 34 19.7 -0.5	
comp=Z,110nm,0.7s,mb5.6,az=146,slow=2.1,SNR=6.1						
HNR	Honiarua	25.73 289	eP	P	16 34 16.9 -3.3	
HNR			eP	P	16 34 19.8	
HNR	Honiarua	25.73 289	eP	P	16 34 17.0 -3.3	
HNR			pmax	pmax		
MEH	Mehetia	25.94 92	eP	P	16 34 19.8 -2.3	
comp=Z,147nm,0.9s,mb5.6						
PMOR	Pomariario Re	26.59 85	eP	P	16 34 25.7 -2.3	
comp=Z,147nm,1.3s,mb5.4						
RPZ	Rata Peaks	27.04 202	P	P	16 34 31.2 -0.4	
RPZ			eP	P	16 38 50.9 -0.2	
RPZ	Rata Peaks	27.04 202	eP	P	16 34 30.9 -0.7	
RPZ			eP	P	16 34 31.2	
RPZ			S	S	16 38 51.0 -0.2	
RPZ			S	S	16 34 30.8 -0.8	
RPZ			S	S	16 34 38.6 -1.0	
JCZ	Jackson Bay	28.21 205	PN	P	16 34 40.5 -1.4	
ODZ	Otahua Downs	28.25 201	eP	P	16 34 44.1 +1.0	
ODZ			eP	P	16 34 47.2 +4.0	
EIDS	Eidsvold	31.59 293	eP	P	16 35 11.4 -0.6	
ARMA	Armidale	31.88 243	eP	P	16 35 14.8 +0.4	
ARMA	Armidale	31.88 243	eP	P	16 35 15.2 +0.8	
CAN	Canberra Magna	35.03 235	iP	P	16 35 41.7 +0.2	
CAN	Canberra	35.31 235	eP	P	16 35 43.3 -0.7	
CAN	Canberra	35.31 235	eP	P	16 35 43.3 -0.7	
CAN			pmax	pmax		
CTA	Charters Tower	36.09 262	P	P	16 35 51.0 +0.3	
CTA			PcP	PcP	16 38 11.6 +0.4	
CTA	Charters Tower	36.09 262	P	P	16 35 50.9 -0.2	
CTA			eS	S	16 41 11.0 -1.0	
CTA	Charters Tower	36.09 262	P	P	16 35 51.0 +0.3	
CTA			PcP	PcP	16 38 11.6 +0.4	
CTA	Charters Tower	36.09 262	P	P	16 35 51.1 +0.1	
CTA			P	P	16 38 11.6	
CTA	Charters Tower	36.09 262	iP	P	16 35 50.7 0.0	
CTA			pP	pP	16 36 41.8 +2.1	
CTA	Charters Tower	36.09 262	iP	P	16 35 50.7 0.0	
CTA			pmax	pmax		
CTA	Charters Tower	36.09 262	P	P	16 35 50.5 -0.2	
CTA			P	P	16 35 50.5 -0.2	
CTA	Charters Tower	36.09 262	P	P	16 35 49.9 -0.8	
PMG	Port Moresby	37.48 280	iP	P	16 36 02.0 -0.5	
PMG			eP	P	16 36 52.7 +0.9	
PMG			eP	P	16 37 33.8 +0.3	
PMG			eP	P	16 36 02.0 -0.5	
PMG			pmax	pmax	16 37 33.8	
PMG	Port Moresby	37.48 280	P	P	16 36 02.5 0.0	
PMG			pmax	pmax		
PMG	Port Moresby	37.48 280	P	P	16 36 02.5 0.0	
PMG			pmax	pmax		
RKT	Rikitea	37.84 103	eP	P	16 36 04.1 -1.3	
TOO	Toofala	38.59 233	eP	P	16 36 19.1 -0.4	
TAU	Tasmania Uves	39.23 225	eP	P	16 36 17.1 -0.4	
TAU	Tasmania Uves	39.23 225	eP	P	16 36 17.1 -0.4	
TAU			pmax	pmax		
COEN	Coen	39.98 271	iP	P	16 36 22.9 -0.3	
COEN			eP	P	16 37 13.2 +0.2	
COEN	Coen	39.98 271	P	P	16 36 22.9 -0.3	
COEN			eP	P	16 36 21.2 -2.0	
STKA	Stephens Creek	40.60 243	iP	P	16 36 28.1 0.0	
STKA	Stephens Creek	40.60 243	iP	P	16 36 28.1 0.0	
STKA			eP	P	16 36 27.5 -0.6	
STKA			eP	P	16 36 28.1	
STKA	Stephens Creek	40.60 243	iP	P	16 36 27.5 -0.6	
STKA			pmax	pmax		
BBOO	Buckleboo	45.69 243	eP	P	16 37 05.2 -0.9	
JAY	Jayapura	45.98 286	P	P	16 37 11.9 +0.7	
JAY			eP	P	16 37 11.9 +0.7	
JAY	Jayapura	45.98 286	P	P	16 37 11.9 +0.7	
JAY			eP	P	16 37 11.9 +0.7	
WRAB	Tennant Creek	47.23 260	iP	P	16 37 19.6 -1.2	
WRAB			eP	P	16 37 19.6 -1.2	
WRAB	Tennant Creek	47.23 260	iP	P	16 37 19.6 -1.2	
WRAB			pmax	pmax		
WRAB	Tennant Creek	47.23 260	P	P	16 37 19.5 -1.3	
WRAB			eP	P	16 37 19.5 -1.3	
AS31	Alice Springs	47.23 255	iP	P	16 37 20.2 -0.6	
AS31			eP	P	16 38 47.6 -0.4	
ASAR	Alice Springs	47.23 255	P	P	16 37 20.5 -0.3	
ASAR			PcP	PcP	16 38 48.2 +0.1	
ASAR			S	S	16 43 54.5 -0.8	
ASAR	Alice Springs	47.23 255	P	P	16 37 20.5 -0.3	
ASAR			S	S	16 38 48.3	
ASAR			S	S	16 43 54.5 -0.8	
WRA	Warramunga Arr	47.23 260				

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like FX1 Attu Island-F, PBKI Pangkalan Bun, BTM ASAJ, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like MDSI Maura Du, R11A Troy Canyon, BMN Battle Mountain, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like X20A Quemado, Z21A St. Cloud Mine, PMR Palmer, etc.

Table with columns: ID, Name, Az, El, AzEl, P, AzEl, P. Rows include: PV04 Paradox Valley, 225A Deer Hill, Q19A Hogan Spring, TNA Tin City, TRF Thorofore Moun, E12A Beaver Dam, ANMO Albuquerque, ANMO Albuquerque, 527A Woodward Ranch, S20A Disappointment, G13A Cobalt, PV01 Paradox Valley, L16A Fish Haven, O18A Roosevelt, V22A San Miguel Ran, R20A Redvale, T21A Navajo Lake, NEW Newport, NEW Newport, H14A Leadore, Y24A Capitlan, M17A Scullys Gap, G28A Black Gap, Mar, 125A Gardner Draw, S21A Coal Bank Pass, F13A Darby, K16A Soda Springs, C11A Teepee Creek, BPAW Bear Paw Mtn, P19A Cripple Cowboy, 427A Hayter Ranch, Z25A Roswell, V23A Ortiz Mt. (NFS), T22A Edith, M18A Lyman, 528A Cox Ranch, San, MCMT McKenzie Canyo, MCMT Lima, O19A Miners Draw, IPM Iph, IPM Iph, C12B Naegel Basin, 126A Clayton Basin, K17A Gardner Place, UBT Ubonrachathani, E13A Victor, P20A De Beque, R21A Cimarron, Y25A Mesa, Roswell, RRI2 Red Ridge, MENT Mentasta, W24A Lazy 6 Ranch, F14A Wisdom, D13A Huson, I16A Newdale, S22A 4UR Ranch, Cre, Z26A Caprock, G15A Dillon, MSO Missoula, B12A Libby, 328A Wristen Ranch, E14A Clinton, DLBC Dease Lake, DLBC Dease Lake, V24A Rampart Ranch, J17A Brown Place, BSMT Bassoo Peak, K18A Toltan Ranch, M19A Rock Springs, 127A Arkansas Junct, R22A Saguache, Gunn, A12A Yaak River Ran, KULM Kulim, KULM Kulim, KULM Kulim, L19A Farson, F15A Butte, LRM Limekiln Ridge, Y26A Elida, Q22A Crested Butte, G16A Moss Hill, Enn, N20A Spence Gulch, QLMT Earthquake Lak, W25A X Bar L Ranch, J18A Kendall Valley

Table with columns: ID, Name, Az, El, AzEl, P, AzEl, P. Rows include: CHMT Chamberlain M, H16A Russell Place, I17A Piggrim Ck, SMCO Snowmass, PD01 Pinedale Array, BW06 Boulder Array, PDAR Pinedale Array, PDAR Pinedale Array, PDAR Pinedale Array, E15A Deer Lodge, B13A Whitefish, COLA College, COLA College, V25A Rancho No Teng, ILAR Whitefish, ILAR Eielson Array, ILAR Eielson Array, BOZ Bozeman (W), BOZ Bozeman (W), BOZ Bozeman (W), F16A Kennard Place, R23A Moffat, P22A Eagle, Y27A Causey, SDCO Great Sand Dun, SDCO Great Sand Dun, SDCO Torres, Weston, N21A Black Mountain, BJI Beijing, BJI Beijing, BJI Beijing, BJI Beijing, D15A Lincoln, S24A Houchin Ranch, K19A Abolton Red Bu, U25A Circle Dot Ran, PSI Prapat, HRY Holter Researc, O22A Kremmling, B14A Marquette Ranc, WALA Waterton Lakes, WALA Salmond Ranch, C15A Salmond Ranch, M21A Separation Pea, F17A Fitzpatrick Pl, A14A Double T Ranch, U26A Atchley Ranch, D16A Dana Ranch, Ca, S25A Roberts Cordova, N22A Wattenberg Ran, B15A Bradley Ranch, Q24A Divide, DAWY Dawson, DAWY Dawson, J20A Shoshoni, C16A Fuhringer Ranc, G18A Lazy EL Ranch, A15A Johnson Ranch, R25A Fountain Ranch, RLMT Red Lodge, EGAK Eagle, K21A Alcova, N23A Red Feather La, F18A Big Timber, D17A Six Diamond Ra, J21A Lysitte, BILL Bilibino, BILL Bilibino, BILL Bilibino, BILL Bilibino, E18A Harlowton, C17A Wharram Farm, COLD Coldfoot, GYD Guiyang, GYA GYA, GYA GYA, GYA GYA, GYA GYA, GYA GYA, GYA GYA, AMTX Amarillo, F19A Rot Farm, Mol, A16A West Butte Ran, R26A Arlington

Table with columns: ID, Name, Az, El, AzEl, P, AzEl, P. Rows include: P25A Willow Gulch B, B17A L&G Farms, Che, PLCA Paso Flores, PLCA Paso Flores, PLCA Paso Flores, PLCA Paso Flores, SYO Syowa Base, SYO Syowa Base, E19A Rath Farm, Rou, A17A Triple J Farms, I22A 9 Mile Ranch, EGMT Eagleton, D19A Criss Ranch, B18A Beardsley Farm, C19A Sack Wire Ran, A18A Metzger Ranch, XAN Xi'an, XAN Xi'an, D20A Manuel Ranch, SNAA Sanae, SNAA Sanae, SNAA Sanae, VNA3 Neumayer Olymp, C20A Veseth Ranch, VNA2 Neumayer-Watz, D21A La Casta Ranch, NST Nakhon Sawan, B20A Solberg Farm, HHC Hu-ho-hao-te, HHC HHC, HHC HHC, HHC HHC, LAO LASA Array, C21A Desert Coulee, A20A Cobblestone Ra, K26A Motz Farm, Whi, H24A Dirks Ranch, A, RSSD Black Hills, RSSD Black Hills, RSSD Cohagen, CLNS Chul'man, CLNS CLNS, CLNS CLNS, CLNS CLNS, CLNS CLNS, KMI Kunming, KMI Kunming, KMI Kunming, KMI Kunming, KMI Kunming, KMI Kunming, A21A Bergtoll Ranch, D23A Lindsay, BSI Banda Aceh, C23A Lambert, BDT Bhumbol Dam, A22A Coney Farms, D24A Glendive, C24A Savage, YAK Yakutsk, YAK Yakutsk, YAK Yakutsk, B23A Brockton, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CHG Chiang Mai, CHTO Chiang Mai, CHTO Chiang Mai, CHTO Chiang Mai

11d 16h

Table with columns for station name, frequency, power, and other technical details. Includes stations like Chengdu, Dagmar, Inuvik, Lanzhou, Yellowknife, etc.

2008 DEC

Table with columns for station name, frequency, power, and other technical details. Includes stations like Solikamsk, ARU, AB31, ABKAR, etc.

464

Table with columns for station name, frequency, power, and other technical details. Includes stations like Eldivan, Ulice, Ulice, Ulice, etc.





Table with columns: BRTR, Keskin Array B, 153.98 297, PKPbc, PKPbc, 17 00 34.2 -1.8, etc.

IDC 11 16:46:04.0e1.3, 30.925x176.94W, h0km, mb3.7/3, mb1 3.9/3, mb1mx3.7/1.6, mbtmp3.7/3, Error ellipse: s-maj=43.2km s-min=32.2km az=49.0

NEIC 11 16:46:05.2o.8, 31.085x176.99W, h10km, mb4.3/1, Error ellipse: s-maj=19.6km s-min=8.8km az=105.0

ISCJB 11 16:46:08.1e.1, 31.125x177.2W, h3.3km, mb3.7/3, Error ellipse: s-maj=34.1km s-min=11.1km az=17.7

ISC 11 16:46:10.2e.1, 7.31202S, 0.09177W, h2.0/3, h35km, n15, -0.861/9, mb3.7/3, Kermadec Islands region

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

ISCJB 11 16:49:29.3e.4, 31.202S, 0.08177W, h0.1, h3km, 28km, mb4.2/8, Error ellipse: s-maj=21.5km s-min=12.9km az=11.5

IDC 11 16:49:30.1e.9, 30.95Sx176.76W, h0km, mb4.2/6, mb1 4.3/6, mb1mx4.1/1.7, mbtmp4.2/6, Error ellipse: s-maj=30.8km s-min=24.9km az=4.0

NEIC 11 16:49:31.4e.1, 31.095x176.79W, h10km, mb4.5/3, Error ellipse: s-maj=18.8km s-min=13.6km az=95.0

ISC 11 16:49:31.4e.1, 31.125S, 0.081769W, h0.1, h1km, 30km, n35, c18a/24, mb4.2/8, Kermadec Islands region

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

WEL 11 16:52:04.8e.0.1, 41.085x174.14E, h75km, 1km, ML2.9/8, 1C, Error ellipse: s-maj=1.2km s-min=1.0km az=0.0, Cook Strait

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

Table with columns: TMWZ, Te Maipa, 1.32 92, PN, Pn, 16 52 26.8 -0.8, etc.

NEIC 11 16:59:31.1, 38.67Sx175.92E, h120km, MG3.6(WEL), After WEL

WEL 11 16:59:30.9e.0.3, 38.675x175.92E, h121km, 2km, ML3.6/13, Error ellipse: s-maj=1.7km s-min=1.7km az=0.0, North Island

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

SZGRF 11 17:05:52.5e.1, 6.825x101.97E, h30km, mb5.7, MS5.2, Southwest of Sumatra, Indonesia

BUI 11 17:06:03.6e.4, 0.085x100.76E, h30km, mb5.6/4, mb5.6/73, MS5.8/80, MS7.5/869

NEIC 11 17:06:06.9e.2, 3.65Sx100.75E, h14km, 13km, mb5.7/73, MS5.4/10, MW5.5, MW5.5, Error ellipse: s-maj=6.2km s-min=3.6km az=22.0, Moment Tensor Solution, s=67

NEIC 11 17:06:07.5e.0.1, 3.60Sx100.74E, h0.02, h28km, mb5.6/207, MS5.4/95, Error ellipse: s-maj=3.7km s-min=2.1km az=29.8

IDC 11 17:06:08.6e.0.5, 3.66Sx100.74E, h28km, 2km, mb5.2/27, mb1 5.2/28, mb1mx5.1/29, mbtmp5.2/28, ML5.1/1, MS5.2/22, Ms1 5.2/22, ms1mx5.0/35, Error ellipse: s-maj=13.3km s-min=8.6km az=48.0

MOS 11 17:06:08.7e.1, 3.50Sx100.82E, h33km, mb5.9/69, MS5.2/46, Error ellipse: s-maj=8.5km s-min=4.3km az=114.8

DJA 11 17:06:09.372Sx100.55E, h29km, Mw5.4/64, GCMT 11 17:06:11.0e.0.1, 3.94Sx100.42E, h16km, MW5.7, Moment Tensor Solution, s84,c150, s24,c24; Moment tensor: Scale 101/Nm; Mr1.31; Mw1-1.46; Mw0.16; Ms1.45; Mw0.83; Mr1-1.03; Best double couple: M2 40000.0/107, NP1=276.00000, 823.00000, 1.64.00000, NP2=124.00000, 870.00000, 1.100.00000

Principal axes: T = 2.1600, Plg63.0000, Azm50.0000; N = 0.4400, Plg9.0000, Azm300.0000; P = -2.5900, Plg24.0000, Azm206.0000

NEIC 11 17:06:09.372Sx100.55E, h29km, Mw5.4/64, GCMT 11 17:06:11.0e.0.1, 3.94Sx100.42E, h16km, MW5.7, Moment Tensor Solution, s84,c150, s24,c24; Moment tensor: Scale 101/Nm; Mr1.31; Mw1-1.46; Mw0.16; Ms1.45; Mw0.83; Mr1-1.03; Best double couple: M2 40000.0/107, NP1=276.00000, 823.00000, 1.64.00000, NP2=124.00000, 870.00000, 1.100.00000

Principal axes: T = 3.9500, Plg55.0000, Azm31.0000; N = 0.2500, Plg3.0000, Azm125.0000; P = -4.2000, Plg35.0000, Azm21.0000; Data Used: II U CN IC G. Surface waves: sta= 9, comp=156, per=50

Table with columns: PPI, Padang Panjang, 1.66 354, P, Pn, 17 06 57.0 -0.3, etc.

Table with columns for location (e.g., LUWI, CHG, CHTO), coordinates, and values. Includes sub-sections like CMAR, MLR, MNI, etc.

Table with columns for location (e.g., TLE, SLGI, NNGP), coordinates, and values. Includes sub-sections like TLE, SLGI, NNGP, etc.

Table with columns for location (e.g., WRAB, ASAR, ASAR), coordinates, and values. Includes sub-sections like WRAB, ASAR, ASAR, etc.

GTA	sS	sS	17 20 45.0 +3.0	
GTA	SS	SS	17 23 33.7 -5.6	
GTA	comp=Z,150nm,1.2s,mb5.6	pmax	pmax	
GTA	comp=Z,1µm,7.6s	pmax	pmax	
GTA	comp=N,6µm,14.7s,MS5.7	LR	LR	
GTA	comp=E,4µm,15.2s,MS5.7	LR	LR	
GTA	comp=Z,7µm,16.1s,MS5.7	LR	LR	
COEN	Coen	43.13 107	P	P
COEN	comp=Z,38nm,1.3s,mb5.0	PM	PM	17 14 05.8 -1.9
CBTJ	Baohou	44.83 10	eP	P
HHC	Hu-ho-hao-te	45.36 12	l/P	P
HHC				17 14 20.4 -0.6
HHC				17 14 26.4 +1.3
HHC				17 14 36.3 +2.2
HHC				17 14 40.2 +2.5
HHC				17 16 05.1 +0.8
HHC				17 16 13.9 +2.1
HHC				17 19 53.9 -1.2
HHC				17 21 05.3 +1.1
HHC				17 21 22.0 +3.1
HHC				17 24 21.5 -6.8
HHC	comp=Z,170nm,1.2s,mb5.8	pmax	pmax	
HHC	comp=Z,960nm,5.3s	pmax	pmax	
HHC	comp=N,9µm,15.5s,MS5.9	LR	LR	
HHC	comp=E,6µm,15.9s,MS5.9	LR	LR	
HHC	comp=Z,9µm,15.2s,MS5.8	LR	LR	
BJI	Beijing	45.72 17	P	P
BJI				17 14 28.2 +0.2
BJI				17 16 06.2 +0.6
BJI				17 16 16.1 +0.6
BJI				17 17 12.3 +3.0
BJI				17 21 28.3 +4.2
BJI	comp=Z,170nm,1.1s,mb5.9	pmax	pmax	
BJI	comp=Z,880nm,7.5s	LR	LR	
BJI	comp=N,12µm,16.3s,MS6.0	LR	LR	
BJI	comp=E,4µm,14.5s,MS6.0	LR	LR	
BJI	comp=Z,7µm,17.2s,MS5.7	LR	LR	
JNU	Nakatsue	46.38 36	eP	P
JNU				17 14 33.0 -0.3
PMG	Port Moresby	46.48 99	P	P
PMG	comp=Z,11nm,1.1s,mb5.9	PM	PM	17 14 32.4 -2.0
PMG	Port Moresby	46.83 99	eP	P
PMG	comp=Z,98nm,1.3s,mb5.6	PM	PM	17 14 32.5 -1.9
PMG	Port Moresby	46.48 99	iP	P
PMG	comp=Z,120nm,1.6s	pmax	pmax	
PMG	comp=Z,2µm,19.0s	MLR	MLR	
PMG	Port Moresby	46.48 99	P	P
PMG	comp=Z,1µm,comp=Z,65nm,1.8s,mb5.3	PM	PM	17 14 34.5 +0.1
DL2	Dalian	46.52 23	P	P
DL2				17 14 33.7 -0.6
DL2				17 21 25.9 +5.0
DL2	comp=Z,70nm,1.3s,mb5.4	pmax	pmax	
DL2	comp=Z,340nm,7.0s	pmax	pmax	
DL2	comp=N,3µm,15.0s,MS5.5	LR	LR	
DL2	comp=E,2µm,14.4s,MS5.5	LR	LR	
DL2	comp=Z,5µm,15.1s,MS5.5	LR	LR	
CTA	Charters Tower	47.28 114	S	S
CTA	comp=Z,5.2nm,1.0s,baz=77,slow=17,SNR=5.8	PM	PM	17 21 31.3 -1.2
CTA	Charters Tower	47.28 114	l/P	P
CTA	comp=Z,34nm,0.9s,mb5.3	PM	PM	17 14 40.1 -0.6
CTA				17 21 31.3 -1.2
CTA				17 14 39.8 -0.9
CTAO	Charters Tower	47.28 114	eP	P
CTAO	comp=Z,71nm,1.1s,mb5.5	PM	PM	17 14 39.8 -0.9
CTAO	Charters Tower	47.28 114	eP	P
CTAO	comp=Z,71nm,1.1s,mb5.5	PM	PM	17 14 40.1 -0.6
INCN	Inchon	47.47 28	eP	P
INCN	comp=Z,137nm,1.2s,mb5.8	PM	PM	17 14 40.4 -1.3
STKA	Stephens Creek	47.55 131	P	P
STKA	comp=Z,22nm,0.9s,mb5.2,baz=300,slow=7.4,SNR=25	LR	LR	17 14 42.5 -0.1
STKA	Stephens Creek	47.55 131	l/P	P
STKA	comp=Z,5µm,21.5s,MS5.5,baz=297,slow=38	LR	LR	17 36 06.7
STKA	Stephens Creek	47.55 131	l/P	P
STKA	comp=Z,23nm,0.7s,mb5.4	PM	PM	17 14 42.6 0.0
STKA	Stephens Creek	47.55 131	eP	P
STKA	comp=Z,12nm,0.9s,mb4.9	PM	PM	17 14 42.5 -0.1
STKA	Stephens Creek	47.55 131	P	P
STKA	comp=Z,22nm,0.9s	pmax	pmax	17 14 42.5 -0.1
STKA	comp=Z,5µm,21.5s	MLR	MLR	
KSAR	Wonju Array Be	48.04 29	P	P
KSAR				17 14 46.1 -0.1
KSAR				17 14 53.8 -1.4
KSAR				17 16 14.2 +0.4
KSAR				17 14 46.1 -0.1
KSAR				17 14 53.8 -1.4
KSAR				17 16 14.3
KSRS	Korea Array	48.06 29	P	P
KSRS	comp=Z,189nm,1.0s,mb6.1,baz=219,slow=8.0,SNR=205	PM	PM	17 14 46.1 -0.3
KSRS	comp=Z,129nm,1.0s,baz=212,slow=4.8,SNR=15	PM	PM	17 14 53.8 -1.6
KSRS	comp=Z,7.7nm,0.9s,baz=205,slow=5.1,SNR=2.7	PcP	PcP	17 16 14.2 +0.3
KSRS	comp=Z,2µm,18.1s,MS5.2,baz=246,slow=39	LR	LR	17 37 39.4
KSRS	Korea Array	48.06 29	P	P
KSRS				17 14 46.1 -0.3
KSRS				17 14 53.8 -1.6
KSRS				17 16 14.2
KSRS	comp=Z,189nm,1.0s,mb6.1	pmax	pmax	
KSRS	comp=Z,129nm,1.0s,mb5.9	pmax	pmax	
KSRS	comp=Z,8.0nm,0.9s,mb4.8	pmax	pmax	
KSRS	comp=Z,2µm,18.1s,MS5.2	MLR	MLR	
KBL	Kabul	48.26 324	eP	P
KBL	comp=Z,52nm,1.2s,mb5.4	PM	PM	17 14 47.4 -0.6
KBL	Kabul	48.26 324	eP	P
KBL	comp=Z,52nm,1.2s,mb5.4	PM	PM	17 14 47.4 -0.5
KBL	comp=Z,52nm,1.2s,mb5.4	PM	PM	17 14 49.5 -0.9
KSH	Kashi	48.99 334	P	P
KSH				17 15 03.3 -0.2
KSH				17 15 03.1 +0.1
KSH				17 16 16.6 +0.8
KSH				17 16 41.4 -2.2
KSH				17 21 44.0 -6.4
KSH				17 24 36.4 -4.5
KSH	comp=Z,70nm,1.0s,mb5.7	PM	PM	
KSH	comp=N,2µm,19.0s,MS5.4	LR	LR	
KSH	comp=E,3µm,16.5s,MS5.4	LR	LR	
KSH	comp=Z,4µm,20.8s,MS5.4	LR	LR	
WMQ	Urumqi	48.66 347	P	P
WMQ				17 14 51.7 +0.9
WMQ				17 15 59.3 -0.2
WMQ				17 15 09.4 +5.9
WMQ				17 16 44.7 +0.6
WMQ				17 21 49.2 -1.9
WMQ				17 24 37.4 -3.9
WMQ	comp=Z,340nm,1.0s,mb6.3	pmax	pmax	
WMQ	comp=Z,670nm,3.8s	pmax	pmax	
WMQ	comp=N,3µm,18.4s,MS5.4	LR	LR	
WMQ	comp=E,3µm,20.2s,MS5.4	LR	LR	
WMQ	comp=Z,3µm,28.6s	LR	LR	
JMDO	Jabal Madar	48.99 304	P	P
JMDO	SNR=9.0			17 14 55.1 +1.3
SMDO	Samad	49.34 305	P	P
SMDO	SNR=18			17 14 58.0 +1.5

SNY	Shenyang	49.79 22	l/P	P
SNY				17 14 58.4 -1.2
SNY				17 15 06.4 -2.2
SNY				17 22 01.1 -6.0
SNY	comp=Z,68nm,1.3s,mb5.5	pmax	pmax	
SNY	comp=Z,710nm,7.7s	LR	LR	
SNY	comp=E,7µm,16.2s	LR	LR	
SNY	comp=Z,9µm,14.7s,MS5.9	LR	LR	
BSY	Bisya	49.90 304	P	P
BSY	SNR=26			17 15 02.1 +1.3
HOQ	Hogain	50.18 305	P	P
HOQ	SNR=20			17 15 04.5 +1.6
CBJ	Chichi jima	50.35 50	P	P
CBJ	comp=Z,109nm,0.8s,mb5.9,baz=67,slow=23,SNR=3.4	LR	LR	17 34 45.2
CBJ	comp=Z,700nm,20.2s,MS4.7,baz=290,slow=34	LR	LR	
CBJ	Chichi jima	50.35 50	P	P
CBJ	SNR=20			17 15 02.4 -1.7
CBJ	Araki	50.72 304	P	P
CBJ	SNR=12			17 15 02.4 -1.7
ULHL	Ulahol	50.77 337	P	P
ULHL	SNR=7.1			17 15 08.3 +1.4
ULHL	SNR=7.1			17 15 08.3
KZA	Kyzart	51.03 336	P	P
KZA	SNR=52			17 15 10.1 +1.2
KZA	SNR=52			17 15 10.1
UCH	Uchtor	51.46 335	P	P
UCH	SNR=13			17 15 13.6 +1.5
UCH	SNR=13			17 15 13.6
SOMN	Songino Array	51.48 5	P	P
SOMN	comp=Z,164nm,1.1s,mb5.9,baz=188,slow=8.3,SNR=158	PM	PM	17 15 13.5 +1.3
SOMN	comp=Z,208nm,0.9s,baz=186,slow=7.5,SNR=30	PM	PM	17 15 21.5 +0.2
SOMN	comp=Z,226nm,0.9s,baz=177,slow=5.8,SNR=1.9	PcP	PcP	17 16 26.3 +0.1
SOMN	Songino Array	51.48 5	P	P
SOMN	SNR=47			17 15 13.5 +1.3
SOMN	Songino Array	51.48 5	P	P
SOMN	SNR=47			17 15 13.5 +1.3
SOMN	Songino Array	51.48 5	P	P
SOMN	SNR=47			17 15 21.5 +0.2
SOMN	comp=Z,164nm,1.1s	pmax	pmax	
SOMN	comp=Z,208nm,0.9s	pmax	pmax	
SOMN	comp=Z,26nm,0.9s	pmax	pmax	
ULN	Ulanbatar	51.57 5	eP	P
ULN	comp=Z,234nm,1.2s,mb5.0	PM	PM	17 15 13.6 +0.7
ULN	Ulanbatar	51.57 5	eP	P
ULN	comp=Z,234nm,1.2s,mb5.0	PM	PM	17 15 13.6 +0.7
ULN	Ulanbatar	51.57 5	P	P
ULN	comp=Z,2µm,comp=Z,156nm,1.4s,mb5.8	PM	PM	17 15 13.5 +0.6
ULN	Ulanbatar	51.57 5	P	P
ULN	SNR=47			17 15 14.2 +1.3
TKM2	Tokmak 2	51.59 337	P	P
TKM2	SNR=116			17 15 13.9 +0.8
TKM2	Tokmak 2	51.59 337	eP	P
TKM2	SNR=116			17 15 13.9
TKM2	Tokmak 2	51.59 337	eP	P
TKM2	SNR=116			17 15 13.5 +0.4
TKM2	Tokmak 2	51.59 337	eP	P
TKM2	SNR=116			17 15 13.5 +0.4
KBK	Karagaybulak	51.63 336	P	P
KBK	SNR=69			17 15 14.6 +1.1
KBK	SNR=69			17 15 14.6
ASHO	Ashtiyah	51.70 305	P	P
ASHO	SNR=10.0			17 15 15.4 +1.1
HATD	Hatta, Dubai	51.70 306	P	P
HATD	SNR=14			17 15 15.2 +1.0
AML	Almayashu	51.72 335	P	P
AML	SNR=7.9			17 15 15.5 +1.4
AML	SNR=7.9			17 15 15.5
AAK	Ala-Archa	51.80 335	P	P
AAK	SNR=34			17 15 15.4 +0.7
AAK	Ala-Archa	51.80 335	P	P
AAK	SNR=34			17 15 15.4
AAK	Ala-Archa	51.80 335	PFAKE	LR
AAK	SNR=34			17 15 30.0 +1.5
AAK	Ala-Archa	51.80 335	eP	P
AAK	SNR=34			17 15 15.3 +0.6
AAK	Ala-Archa	51.80 335	eP	P
AAK	SNR=39			17 15 16.0 +1.3
FRU	Bishkek	51.91 336	l/P	P
FRU				17 15 16.0 +0.5
FRU				17 15 24.0 -0.6
FRU				17 22 35.0 -1.5
FRU				17 22 38.0
FRU	comp=Z,260nm,2.0s,mb5.8	pmax	pmax	
FRU	comp=E,6µm,19.0s	MLR	MLR	
CHMS	Chumysh	52.00 336	P	P
CHMS	SNR=31			17 15 16.7 +0.6
CHMS	SNR=31			17 15 16.7
EKS2	Erkin-Say	52.12 335	P	P
EKS2	SNR=58			17 15 18.4 +1.4
EKS2	SNR=58			17 15 18.4
EKS2	Erkin-Say	52.12 335	eP	P
EKS2	SNR=58			17 15 18.3 +1.2
EKS2	Erkin-Say	52.12 335	eP	P
EKS2	SNR=58			17 15 18.3 +1.2
NAZ	Nazwa, Dubai	52.15 306	P	P
NAZ	SNR=9.5			17 15 18.8 +1.1
CN2	Changchun	52.19 23	l/P	P
CN2				17 15 16.5 -1.1
CN2				17 15 26.5 -0.2
CN2				17 15 30.4 +0.2
CN2				17 17 15.8 -0.5
CN2				17 22 38.0 -2.3
CN2				17 26 13.2 -5.0
CN2	comp=Z,200nm,1.1s,mb5.0	pmax	pmax	
CN2	comp=Z,800nm,4.0s	pmax	pmax	
CN2	comp=N,7µm,16.0s,MS5.8	LR	LR	
CN2	comp=E,4µm,16.0s,MS5.8	LR	LR	
CN2	comp=Z,7µm,16.0s,MS5.8	LR	LR	
USP	Ospenovka	52.32 336	P	P
USP	SNR=112			17 15 18.8 +0.3
USP	SNR=112			17 15 18.8
MK31	Makanchi Array	52.77 344	eP	P
MK31	SNR=112			17 15 22.1 +0.3
MK31	Makanchi Array	52.77 344	eP	P
MK31	SNR=112			17 15 22.1 +0.3
MKAR	Makanchi Array	52.77 344	P	P
MKAR	comp=Z,121nm,0.9s,mb5.8,baz=148,slow=7.6,SNR=465	LR	LR	17 42 41.8
MKAR	comp=Z,2µm,18.5s,MS5.2,baz=160,slow=42			



APA		eS	S	17 29 07.0	0.0
APA	comp=Z,72nm,1.2s,mb5.7	pmx	pmx		
APA	comp=Z,2um,21.0s,MSS.6	MLR	MLR		
BZS	Buzias	84.96 316	↑P	P	17 18 42.3 +0.3
BZS	Buzias	84.96 316	↑P	P	17 18 42.3 +0.3
KWP	Kalwaria Pacia	85.00 320	eP	P	17 18 42.7 +0.6
KWP			ePP	pP	17 18 51.3 -0.4
KWP			e	pP	17 21 57.3 -2.0
KWP			LMZ		18 02 50.2
KWP	comp=Z,1um,23.1s				
KWP	Kalwaria Pacia	85.00 320	eP	P	17 18 42.4 +0.3
KWP	Kalwaria Pacia	85.00 320	eP	P	17 18 42.7 +0.6
KWP			ePP	pP	17 18 51.3 -0.4
KWP			e	pP	17 21 57.3
KWP			MLR	MLR	
KWP	comp=Z,1um,23.1s,MSS.1				
KWP	Kalwaria Pacia	85.00 320	↑P	P	17 18 42.5 +0.4
UZH	Uzhgorod	85.07 319	eP	P	17 18 42.8 +0.3
UZH			i	pP	17 18 50.2 -1.9
UZH			e	pP	17 22 02.0
UZH			iS	S	17 29 07.8 -2.2
UZH			eSSS		17 29 58.0
UZH			MLR	MLR	17 38 06.0
UZH	comp=N,650nm,20.0s,MSS.2				
UZH	comp=E,650nm,20.0s,MSS.2				
UZH			MLR	MLR	
KOLS	Kolonickie sedl	85.14 320	eP	P	17 18 44.2 +1.4
KOLS	Kolonickie sedl	85.14 320	eP	P	17 18 44.2 +1.4
SUW	Suwalki	85.61 325	eP	P	17 18 44.5 -0.5
SUW	comp=Z,300nm,1.4s,mb6.3				
SUW			eP	pP	17 18 52.8 -1.8
SUW			eSKSac	SKSac	17 29 04.7 -3.6
SUW			eS	S	17 29 13.0 -2.1
SUW			LMZ		18 04 50.0
SUW	comp=Z,1um,20.4s				
SUW	Suwalki	85.61 325	eP	P	17 18 45.0 -0.1
SUW	Suwalki	85.61 325	eP	P	17 18 44.5 -0.6
SUW			ePP	pP	17 18 52.8 -1.9
SUW			e	pP	17 29 04.7
SUW			eS	S	17 29 13.0 -2.1
SUW			pmx	pmx	
SUW	comp=Z,300nm,1.4s,mb6.3				
SUW			MLR	MLR	
CRVS	Cervenica-Dubn	85.66 319	eP	P	17 18 45.8 +0.4
CRVS			eS	S	17 29 15.1 -0.7
CRVS	Cervenica-Dubn	85.66 319	eP	P	17 18 45.8 +0.4
FINES	FINES Array B	85.87 332	e	P	17 18 46.5 +0.3
FINES	comp=Z,19nm,0.9s,mb5.3,baz=100,slow=7.9,SNR=22				
FINES			LR	LR	18 01 21.5
FINES	comp=Z,1um,21.7s,MSS.3,baz=350,slow=39				
FINES	FINES Array B	85.87 332	e	P	17 18 46.5 +0.3
FINES	FINES Array B	85.87 332	e	P	17 18 46.5 +0.3
FINES			pmx	pmx	
FINES	comp=Z,18nm,0.9s				
FINES			MLR	MLR	
STHS	Stebnicka Huta	85.89 320	eP	P	17 18 47.7 +1.1
STHS	Stebnicka Huta	85.89 320	eP	P	17 18 47.7 +1.1
KAF	Kangasniemi	85.94 333	eP	P	17 18 45.7 -0.8
KAF			pmx	pmx	
KAF	comp=Z,14nm,0.8s,mb5.2				
KAF	Kangasniemi	85.94 333	eP	P	17 18 45.7 -0.8
KECS	Kecovo	86.22 319	eP	P	17 18 48.4 +0.2
KECS	Kecovo	86.22 319	eP	P	17 18 48.4 +0.2
NVL	N'azarevskaya	86.23 199	eP	pP	17 18 50.0 +0.5
NVL			ePP	sp	17 19 09.5 +8.6
NVL			pmx	pmx	
MAIT	Maitri	86.26 199	eP	P	17 18 51.8 +3.8
MAIT			e	P	17 18 56.6
MAIT	South Pole Qui	86.35 180	LR	LR	17 55 04.2
QSPA	South Pole Qui	86.35 180	eP	P	17 18 48.1 -0.2
QSPA	comp=Z,17nm,1.3s,mb5.1				
NIE	Niedzica	86.49 320	eP	P	17 18 50.2 +0.7
NIE	Niedzica	86.49 320	eP	P	17 18 50.2 +0.7
PSZ	Piszkesteto	86.52 318	eP	P	17 18 49.9 +0.2
PSZ	comp=Z,31nm,1.3s,mb5.4				
PSZ	Piszkesteto	86.52 318	↑P	P	17 18 50.4 +0.7
PSZ	Piszkesteto	86.52 318	↑P	pP	17 18 50.5 +0.8
PSZ	Piszkesteto	86.52 318	↑P	pP	17 18 50.4 +0.7
BEL	Belsk	86.61 322	eP	P	17 18 50.6 +0.6
BEL			eP	pP	17 18 59.3 -0.3
BEL			LMZ		18 01 51.9
BEL	comp=Z,2um,23.5s				
BEL	Belsk	86.61 322	eP	pP	17 18 50.6 +0.5
BEL			ePP	pP	17 18 59.3 -0.3
BEL			MLR	MLR	
QJC	Qjcow	86.95 321	eP	pP	17 18 51.9 +0.1
QJC			ePP	pP	17 18 54.2 +0.2
QJC			eS	S	17 29 28.0 -0.3
QJC			L		18 10 25.7
QJC	comp=Z,1.0nm,18.3s				
QJC	Qjcow	86.95 321	eP	S	17 18 51.9 +0.1
QJC			eS	S	17 29 28.0 -0.3
QJC			MLR	MLR	
BUD	Budapest	87.03 318	↑P	P	17 18 53.1 +0.9
PKSM	Moragy	87.11 316	↑P	P	17 18 53.1 +0.5
PKSM	Moragy	87.11 316	↑P	P	17 18 53.1 +0.5
VYHS	Vyhne	87.31 319	eP	P	17 18 53.8 +0.3
VYHS			eS	S	17 29 23.2 -8.6
VYHS	Vyhne	87.31 319	eP	P	17 18 53.8 +0.3
KEV	Kevo	87.78 340	eP	P	17 18 54.7 -0.7
KEV			pmx	pmx	
KEV	Kevo	87.78 340	eP	P	17 18 54.7 -0.7
KEV	comp=Z,13nm,0.9s,mb5.2				
KEV	Kevo	87.78 340	eP	P	17 18 54.7 -0.7
KEV	comp=Z,13nm,0.9s,mb5.2				
OKC	Ostrava-Krasne	87.95 320	iP	P	17 18 57.1 +0.5
OKC			e	P	17 29 38.8
OKC			e	P	17 30 41.4
OKC			MLR	MLR	
OKC	comp=Z,700nm,20.5s,MSS.1				
OKC	Ostrava-Krasne	87.95 320	↑P	P	17 18 57.1 +0.5
OKC			eSKS		17 29 38.8
OKC			eX		17 30 41.4
OKC			AMS	AMS	18 10 50.0
ARCES	ARCESS Array B	88.23 340	P	P	17 18 57.7 +0.2
ARCES	comp=Z,38nm,0.9s,mb5.6,baz=87,slow=2.7,SNR=29				
ARCES			LR	LR	18 02 52.5
ARCES	ARCESS Array B	88.23 340	P	P	17 18 57.7 +0.2
ARCES	ARCESS Array B	88.23 340	P	P	17 18 57.7 +0.2
ARCES			pmx	pmx	
ARCES	comp=Z,38nm,0.9s				
ARCES			MLR	MLR	
AREO	ARCESS Array S	88.23 340	eP	P	17 18 58.3 +0.8
AREO			e	P	17 29 39.2
MORC	Moravsky Berou	88.33 320	eP	P	17 18 58.6 +0.2
MORC	comp=Z,61nm,1.5s,mb5.6				
MORC	Moravsky Berou	88.33 320	↑P	P	17 18 58.8 +0.4
MORC	Moravsky Berou	88.33 320	↑P	pP	17 18 58.8 +0.4
ZST	Bratislava	88.41 318	eP	P	17 18 59.4 +0.6
ZST	Bratislava	88.41 318	eP	P	17 18 59.4 +0.6
SOP	Sopron	88.71 318	eP	P	17 19 00.5 +0.2
KRLC	Kraliky	88.85 320	eP	P	17 19 02.3 +1.4
KTK1	Kautokeino	88.89 339	eP	P	17 19 01.1 +0.4
KTK1			e	P	17 29 44.2
KTK1			AMS	AMS	18 02 20.4
GKP	Gorka Klasztor	88.97 323	eP	P	17 19 01.7 +0.3
GKP			eP	pP	17 19 10.2 -0.7
GKP			eSKSac	SKSac	17 29 32.6 +3.7
GKP			eS	S	17 29 47.4 0.0
GKP			LMZ		18 07 16.9
GKP	comp=Z,1um,20.2s				
GKP	Gorka Klasztor	88.97 323	eP	pP	17 19 01.7 +0.4
GKP			ePP	pP	17 19 10.2 -0.8
GKP			eS	S	17 29 32.6
GKP			eS	S	17 29 47.4 0.0
GKP			MLR	MLR	

GCIS	comp=Z,1um,20.2s,MSS.3				
GPC	Gorjnj Cirnik	89.14 316	eP	P	17 19 03.0 +0.7
GPC	Dobruska-Polom	89.18 320	eP	P	17 19 03.4 +1.0
GPC			ePP	pP	17 19 10.8 -1.2
GPC			eS	S	17 29 50.2
GPC			e	MLR	17 30 56.0
GPC	comp=Z,900nm,18.4s,MSS.2				
GPC	Dobruska-Polom	89.18 320	↑P	P	17 19 03.4 +1.0
GPC			eP	pP	17 19 10.8 -1.2
GPC			eS	S	17 29 50.2 +0.7
GPC			eX	X	17 30 56.0
GPC			AMS	AMS	18 10 00.0
CONA	comp=Z,900nm,18.4s				
CONA	Conrad Observa	89.21 318	↑P	P	17 19 02.1 -0.4
CONA	comp=Z,19nm,1.4s,mb5.2				
KSP	Ksiaz	89.25 321	eP	P	17 19 03.7 +0.9
KSP			eP	pP	17 19 11.5 -0.8
KSP			eSKSac	SKSac	17 29 34.3 +3.7
KSP			e	pP	17 29 47.4 -2.8
KSP			LMZ		18 02 39.9
KSP	comp=Z,900nm,24.3s				
KSP	Ksiaz	89.25 321	eP	P	17 19 03.3 +0.6
KSP			eP	pP	17 19 11.5 -0.8
KSP			eS	S	17 29 48.0 -2.2
KSP			LM		18 02 46.0
KSP	comp=Z,1.9nm,24.3s				
KSP	Ksiaz	89.25 321	↑P	P	17 19 03.3 +0.6
KSP			ePP	pP	17 19 11.5 -0.8
KSP			eS	S	17 29 48.0 -2.2
KSP			MLR	MLR	
ARSA	comp=Z,2um,24.3s,MSS.4				
ARSA	Arzberg	89.36 317	↑P	P	17 19 03.5 +0.1
BOJS	Bojanci	89.37 315	iP	P	17 19 03.9 +0.5
UPC	Upice	89.39 321	iP	P	17 19 04.1 +1.1
UPC			ePP	pP	17 19 12.8 -0.2
UPC	Upice	89.39 321	iP	pP	17 19 04.5 +1.1
UPC			eP	pP	17 19 12.8 -0.2
PERS	Pernice	89.58 317	eP	pP	17 19 05.1 +0.7
TREC	Trest	89.60 319	iP	P	17 19 05.3 +0.9
TREC			MLR	MLR	
TREC	comp=Z,1um,18.6s,MSS.3				
TREC	Trest	89.60 319	↑P	P	17 19 05.3 +0.9
TREC			AMS	AMS	18 05 30.0
SOKA	comp=Z,1um,18.6s				
SOKA	Soboth	89.64 317	↑P	P	17 19 05.2 +0.6
VNDS	Vrh nad Dolsci	89.81 316	eP	P	17 19 06.0 +0.5
MOLA	Molin	89.97 318	↑P	P	17 19 07.6 +0.1
MOLA	comp=Z,29nm,1.7s,mb5.3				
PRU	Pruhonice	90.28 320	iP	P	17 19 08.1 +0.6
PRU			e	MLR	17 29 54.6
PRU	comp=N,1um,19.0s				
PRU	Pruhonice	90.28 320	iP	P	17 19 08.1 +0.6
PRU			eS	S	17 29 54.6 -5.2
PRU			AMS	AMS	18 00 20.0
PVCC	Panska Ves	90.31 320	iP	P	17 19 08.9 +1.2
PVCC			ePP	pP	17 19 18.7 +1.4
PVCC			MLR	MLR	
PVCC	comp=Z,1um,22.1s,MSS.2				
PVCC	Panska Ves	90.31 320	↑P	P	17 19 08.9 +1.2
PVCC			eP	pP	17 19 18.7 +1.4
PVCC			AMS	AMS	18 03 00.0
PRA	Prague	90.36 320	↑P	P	17 19 09.0 +1.1
PRA			pP	pP	17 19 18.0 +0.5
TRO	Tromso	90.51 340	eP	P	17 19 08.4 +0.2
TRO			e	AMS	17 30 03.5
TRO			AMS	AMS	18 03 10.0
MYKA	comp=Z,2um,21.4s,MSS.4				
MYKA	Terra Mystica	90.59 317	↑P	P	17 19 09.3 +0.2
MYKA	comp=Z,41nm,1.7s,mb5.5				
GECC	GERESS Array S	90.73 319	eP	P	17 19 10.3 +0.6
GECC	comp=Z,80nm,1.5s,mb5.8				
GECC			eP	pP	17 19 19.2 -0.1
GECC			ePP	pP	17 19 10.3 +0.6
GECC			pmx	pmx	17 19 19.2 -0.1
GERES	comp=Z,90nm,1.5s,mb5.8				
GERES	GERESS Array B	90.73 319	P	P	17 19 10.2 +0.6
GERES	comp=Z,12nm,0.9s,mb5.2,baz=103,slow=4.2,SNR=68				
GERES			pP	pP	17 19 19.3 0.0
GERES	comp=Z,3.0nm,0.7s,baz=106,slow=4.4,SNR=5.5				
GERES	GERESS Array B	90.73 319	P	P	



LOR	LOR	Lormes	97.30	317	eP	P	17 19 39.3	-0.6
SMF	SMF	Signal de Mont	97.34	316	eP	P	17 19 39.2	-0.9
SMF	SMF	Signal de Mont	97.34	316	eP	P	17 19 39.2	-0.9
SMF	SMF	Signal de Mont	97.34	316	eP	P	17 19 39.2	-0.9
AVF	AVF	Avril sur Loir	97.67	317	eP	P	17 19 40.7	-0.8
AVF	AVF	Avril sur Loir	97.67	317	eP	P	17 19 40.7	-0.8
AVF	AVF	Avril sur Loir	97.67	317	eP	P	17 19 40.7	-0.8
TORD	TORD	Tordi Ar. Bea	99.58	283	P	Pdf	17 19 50.5	+0.5
TORD	TORD	Tordi Ar. Bea	99.58	283	P	Pdf	17 19 50.5	+0.5
TORD	TORD	Tordi Ar. Bea	99.58	283	P	Pdf	17 19 50.5	+0.5
TORD	TORD	Tordi Ar. Bea	99.58	283	P	Pdf	17 19 50.5	+0.5
ILAR	ILAR	Eielson Array	102.69	24	P	Pdf	17 20 02.0	-1.7
ILAR	ILAR	Eielson Array	102.69	24	P	Pdf	17 20 02.0	-1.7
ILAR	ILAR	Eielson Array	102.69	24	P	Pdf	17 20 02.0	-1.7
ILAR	ILAR	Eielson Array	102.69	24	P	Pdf	17 20 02.0	-1.7
ESDC	ESDC	Sonsecsa Array	103.59	310	PP	PP	17 24 30.0	+5.5
ESDC	ESDC	Sonsecsa Array	103.59	310	PP	PP	17 24 30.0	+5.5
ESDC	ESDC	Sonsecsa Array	103.59	310	PP	PP	17 24 30.0	+5.5
ESDC	ESDC	Sonsecsa Array	103.59	310	PP	PP	17 24 30.0	+5.5
DBIC	DBIC	Dimbokro	105.86	276	PFAKE	LR	17 24 40.0	+8.5
MTE	MTE	Manteigas	106.21	311	PFAKE	LR	17 24 40.0	+8.6
TBI	TBI	Tubuai	106.65	116	eSdif	Sdif	17 32 15.4	-4.4
TBI	TBI	Tubuai	106.65	116	eSdif	Sdif	17 32 15.4	-4.4
TBI	TBI	Tubuai	106.65	116	eSdif	Sdif	17 32 15.4	-4.4
TBI	TBI	Tubuai	106.65	116	eSdif	Sdif	17 32 15.4	-4.4
PPT	PPT	Papeete	107.60	110	ePdif	Pdif	17 20 27.8	+2.2
PPT	PPT	Papeete	107.60	110	ePdif	Pdif	17 20 27.8	+2.2
PPT	PPT	Papeete	107.60	110	ePdif	Pdif	17 20 27.8	+2.2
PPT	PPT	Papeete	107.60	110	ePdif	Pdif	17 20 27.8	+2.2
YKA	YKA	Yellowknife Ar	115.70	17	PKP	PKP	17 24 47.2	-1.5
YKA	YKA	Yellowknife Ar	115.70	17	PKP	PKP	17 24 47.2	-1.5
YKA	YKA	Yellowknife Ar	115.70	17	PKP	PKP	17 24 47.2	-1.5
YKA	YKA	Yellowknife Ar	115.70	17	PKP	PKP	17 24 47.2	-1.5
TAOE	TAOE	Nuku Hiva Isla	118.08	102	eLR	LR	18 01 09.3	
RKT	RKT	Rikitea	119.57	119	eSS	SS	17 42 46.9	+5.1
RKT	RKT	Rikitea	119.57	119	eSS	SS	17 42 46.9	+5.1
RKT	RKT	Rikitea	119.57	119	eSS	SS	17 42 46.9	+5.1
RKT	RKT	Rikitea	119.57	119	eSS	SS	17 42 46.9	+5.1
A05A	A05A	Maple Falls	121.98	32	PKP	PKP	17 25 00.2	-1.0
JCW	JCW	Jim Creek	122.54	35	ePKP	PKP	17 25 02.4	+0.1
E03A	E03A	Leban	122.59	35	ePKP	PKP	17 25 02.2	-0.2
ETW	ETW	Entiat	123.76	32	ePKP	PKP	17 25 03.8	-0.8
C09A	C09A	Chrisman Ranch	124.71	31	PKP	PKP	17 25 06.5	0.0
OD2	OD2	Odessa Site #2	124.75	32	ePKP	PKP	17 25 07.0	+0.5
RSW	RSW	Rattlesnake Hi	124.90	33	ePKP	PKP	17 25 07.7	+0.8
HAWA	HAWA	Hanford	124.93	33	ePKP	PKP	17 25 07.6	+0.7
HUMO	HUMO	Hull Mountain	125.13	39	ePKP	PKP	17 25 08.1	+0.7
A12A	A12A	Yaak River Ran	125.25	29	PKP	PKP	17 25 07.4	-0.1
B12A	B12A	Libby	125.61	29	PKP	PKP	17 25 07.7	-0.5
FFC	FFC	Flin Flon	125.82	16	ePKP	PKP	17 25 07.7	-0.7
FFC	FFC	Flin Flon	125.82	16	ePKP	PKP	17 25 07.7	-0.7
FFC	FFC	Flin Flon	125.82	16	ePKP	PKP	17 25 07.7	-0.7
FFC	FFC	Flin Flon	125.82	16	ePKP	PKP	17 25 07.7	-0.7
LNOR	LNOR	Linton Mounta	125.94	33	ePKP	PKP	17 25 09.5	+0.6
LNOR	LNOR	Linton Mounta	125.94	33	ePKP	PKP	17 25 09.5	+0.6
LNOR	LNOR	Linton Mounta	125.94	33	ePKP	PKP	17 25 09.5	+0.6
LNOR	LNOR	Linton Mounta	125.94	33	ePKP	PKP	17 25 09.5	+0.6
WALA	WALA	Wateron Lakes	125.98	28	ePKP	PKP	17 25 09.4	+0.6
C12B	C12B	Naegeli Ranch	126.18	30	PKP	PKP	17 25 09.0	-0.2
A14A	A14A	Double T Ranch	126.27	27	PKP	PKP	17 25 09.2	-0.2
K05A	K05A	Summer Lake	126.33	37	PKP	PKP	17 25 10.0	+0.2
I07A	I07A	Ize	126.36	35	PKP	PKP	17 25 09.4	-0.3
BSMT	BSMT	Bassoo Peak	126.42	29	ePKP	PKP	17 25 09.4	+0.4
A10A	A10A	Beach Ranch, E	126.44	32	PKP	PKP	17 25 10.0	+0.2
F15A	F15A	Johnson Ranch	126.58	27	PKP	PKP	17 25 09.7	-0.3
C13A	C13A	Hot Springs	126.64	29	PKP	PKP	17 25 09.7	-0.5
B14A	B14A	Marquette Ranc	126.78	28	PKP	PKP	17 25 09.8	-0.6
E12A	E12A	Beaver Dam Sad	127.01	31	PKP	PKP	17 25 10.4	-0.5
SWMT	SWMT	Swartz Lake	127.04	29	ePKP	PKP	17 25 11.1	+0.2
D13A	D13A	Huson	127.11	30	PKP	PKP	17 25 10.8	-0.3
B15A	B15A	Bradley Ranch	127.14	27	PKP	PKP	17 25 10.7	-0.4
MOD	MOD	Modoc	127.16	38	ePKP	PKP	17 25 11.7	+0.4
J06A	J06A	Circle Bar Ran	127.39	35	PKP	PKP	17 25 12.2	+0.5
B16A	B16A	M & M Farms, S	127.46	27	PKP	PKP	17 25 11.4	-0.2
SLMT	SLMT	Seelye Lake	127.47	29	ePKP	PKP	17 25 11.6	-0.2
A17A	A17A	Triple J Farms	127.50	26	PKP	PKP	17 25 11.9	+0.1
C15A	C15A	Salmond Ranch	127.51	28	PKP	PKP	17 25 11.4	-0.4
M50	M50	Missoula	127.55	29	PKP	PKP	17 25 11.5	-0.4
M50	M50	Missoula	127.55	29	PKP	PKP	17 25 11.5	-0.4
M50	M50	Missoula	127.55	29	PKP	PKP	17 25 11.5	-0.4
M50	M50	Missoula	127.55	29	PKP	PKP	17 25 11.5	-0.4
CHMT	CHMT	Chamberlain Mo	127.82	29	ePKP	PKP	17 25 12.2	-0.2
WVOR	WVOR	Wild Horse Val	127.85	36	ePKP	PKP	17 25 13.0	+0.4
WVOR	WVOR	Wild Horse Val	127.85	36	ePKP	PKP	17 25 13.0	+0.4
WVOR	WVOR	Wild Horse Val	127.85	36	ePKP	PKP	17 25 13.0	+0.4
WVOR	WVOR	Wild Horse Val	127.85	36	ePKP	PKP	17 25 13.0	+0.4
A16A	A16A	Metzger Ranch	127.89	25	PKP	PKP	17 25 11.8	-0.7
C16A	C16A	Fuhringer Ranch	127.89	27	PKP	PKP	17 25 11.9	-0.6
B17A	B17A	L&G Farms, Che	127.95	26	PKP	PKP	17 25 12.0	-0.6
SCHO	SCHO	Schefferville	127.95	351	PKP	PKP	17 25 12.4	-0.1
SCHO	SCHO	Schefferville	127.95	351	PKP	PKP	17 25 12.4	-0.1
SCHO	SCHO	Schefferville	127.95	351	PKP	PKP	17 25 12.4	-0.1
SCHO	SCHO	Schefferville	127.95	351	PKP	PKP	17 25 12.4	-0.1
G12A	G12A	Big Creek, Yel	128.00	32	PKP	PKP	17 25 12.5	-0.3
E14A	E14A	Clinton	128.06	30	PKP	PKP	17 25 12.8	-0.1
F13A	F13A	Darby	128.07	31	PKP	PKP	17 25 12.5	-0.5
D15A	D15A	Lincoln	128.08	28	PKP	PKP	17 25 12.6	-0.3
B18A	B18A	Beardsley Farm	128.26	26	PKP	PKP	17 25 12.9	-0.4
C17A	C17A	Wharram Farm	128.46	27	PKP	PKP	17 25 13.1	-0.5

E15A	E15A	Deer Lodge	128.47	29	PKP	PKP	17 25 13.6	-0.1
F14A	F14A	Wisdom	128.54	30	PKP	PKP	17 25 13.6	-0.2
D16A	D16A	Dart Ranch, Ca	128.55	28	PKP	PKP	17 25 13.8	-0.1
G13A	G13A	Cobalt	128.60	31	PKP	PKP	17 25 13.7	-0.2
EGMT	EGMT	Eagleton	128.61	26	PKP	PKP	17 25 13.9	0.0
EGMT	EGMT	Eagleton	128.61	26	ePKP	PKP	17 25 14.7	+0.8
B19A	B19A	Brinkman Farms	128.63	25	PKP	PKP	17 25 14.1	+0.2
H12A	H12A	Diamond D Ranc	128.64	32	PKP	PKP	17 25 14.3	+0.2
A20A	A20A	Cobblestone Ra	128.71	24	PKP	PKP	17 25 13.9	-0.1
E16A	E16A	East Helena	128.85	28	PKP	PKP	17 25 14.6	+0.2
D17A	D17A	Six Diamond Ra	128.85	27	PKP	PKP	17 25 14.5	+0.1
MFID	MFID	Camas Ranch	128.85	34	PKP	PKP	17 25 14.6	+0.1
MFID	MFID	Camas Ranch	128.85	34	ePKP	PKP	17 25 15.4	+0.9
H13A	H13A	Challis	128.94	32	PKP	PKP	17 25 14.5	-0.1
F15A	F15A	Butte	128.95	29	PKP	PKP	17 25 14.4	-0.2
LRM	LRM	Limekiln Ridge	128.99	29	ePKP	PKP	17 25 15.3	+0.6
I12A	I12A	Atlanta	128.99	33	PKP	PKP	17 25 15.5	+0.7
B20A	B20A	Solberg Farm,	129.02	24	PKP	PKP	17 25 14.4	-0.3
A21A	A21A	Bertoff Ranch	129.02	23	PKP	PKP	17 25 14.8	+0.1
C19A	C19A	Slack Wire Ran	129.14	26	PKP	PKP	17 25 15.2	+0.3
D18A	D18A	Linhart Farms,	129.22	27	PKP	PKP	17 25 15.4	+0.3
DLMT	DLMT	Dillon	129.24	30	ePKP	PKP	17 25 16.0	+0.8
E17A	E17A	Martinsdale	129.29	28	PKP	PKP	17 25 15.4	+0.2
H14A	H14A	Leadore	129.37	31	PKP	PKP	17 25 15.1	-0.4
A22A	A22A	Carney Farms,	129.41	22	PKP	PKP	17 25 15.7	+0.3
F16A	F16A	Kennard Place,	129.42	29	PKP	PKP	17 25 15.2	-0.4
G15A	G15A	Dillon	129.44	30	PKP	PKP	17 25 15.7	+0.1
B21A	B21A	Ellsworth Farm	129.44	24	PKP	PKP	17 25 15.6	+0.1
I13A	I13A	Wildhorse Cree	129.46	32	PKP	PKP	17 25 16.2	+0.6
MCMT	MCMT	McKenzie Canyo	129.49	31	ePKP	PKP	17 25 16.4	+0.7
BOZ	BOZ	Bozeman (W)	129.51	29	PKP	PKP	17 25 16.2	+0.5
BOZ	BOZ	Bozeman (W)	129.51	29	ePKP	PKP	17 25 16.0	

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like IRM Iron Mountain, Q18A Rafter H Ranch, BC3 Big Chuckwall, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like T23A Casias Ranch, BGNE Belgrade, R25A Fountain Ranch, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like 428A Kincaid Ranch, 528A Cox Ranch, TXAR Lajitas Array, etc.

ISCJB 11 17:25:01.6r.0.6.4.87S:0.09:153.60E:0.09,h43km, mb4.2/15, Error ellipse: s-maj=16.1km s-min=8.4km az=40.3

IDC 11 17:25:03.0r.0.6.4.89S:153.63E,h46km,4km,mb4.0/12, mb1 4.2/13, mb1mx4.0/18, mbtmp4.1/13, Error ellipse: s-maj=20.3km s-min=13.1km az=115.0

NEIC 11 17:25:03.0r.0.5.4.92S:153.66E,mb4.6/3, Error ellipse: s-maj=16.7km s-min=9.6km az=116.0

ISC 11 17:25:03.0r.0.6.4.92S:0.09:153.69E:0.10,h45km, h45km,1.9km:pp-P, n41,c:1900/33,mb4.2/15,New Ireland

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like PMG Port Moresby, PMG 29nm, PMG Port Moresby, etc.







11d 20h

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like ABTO Aybut, USP Osenovka, ASHO Ashiyah, HATD Hatta, DUBAI, NAZ Nazwa, TLY Talaya, etc.

2008 DEC

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like KIV comp=Z,47nm,1.1s,mb5.3, KIV comp=Z,52nm,18.0s,MS3.9, KIV Kislovodsk, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like FINES FINES Array B, SNA Sanae, SNA Sanae, SNA Sanae, etc.





Table with columns: MDJ, S, S, 21 14 37.5 +0.2, 21 16 43.9 -0.2, etc. Lists various astronomical objects and their coordinates.

Table with columns: KIEV, Kiev, 85.97 322 eP, P, 21 09 57.0 -5.8, etc. Lists astronomical objects with specific identifiers and coordinates.

Table with columns: PAIG, Paliouri, 0.26 334 P, Pg, 21 00 33.4 -0.5, etc. Lists astronomical objects with coordinates and identifiers.

CSEM 11 21:06:22.7±0.2, 36:79N±5.77W, h15km, ML3.2/19, Error ellipse: s-maj=4.9km s-min=2.0km az=6.0

SFS 11 21:06:23.0, 36:79N±5.78W, h0km, ML2.7 INMG 11 21:06:24.3±1.4, 36:75N±5.78W, h17km, 3km, ML2.6, Error ellipse: s-maj=2.3km s-min=1.6km az=22.0

MDD 11 21:06:24.1±0.2, 36:74N±5.78W, h15km±1km, mbLg2.7/32, 1C-3D, Error ellipse: s-maj=3.4km s-min=1.8km az=24.0, PRXIMO, Strait of Gibraltar

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists astronomical objects with detailed identifiers and coordinates.

ISCJBJ 11 21:00:28.0±0.8, 39:69N±0.02±23.81E±0.06, h13km±5km, Error ellipse: s-maj=7.9km s-min=4.0km az=7.6 CSEM 11 21:00:28.0±0.2, 39:70N±23.81E, h15km, ML2.5/4, Error ellipse: s-maj=6.6km s-min=2.9km az=101.0

PBAR	42nm,0.7s	A			21 07 23.0
PBAR	Barrancos	1.75 325	Pn	Pn	21 06 52.3 -1.5
PBAR			Pg	Pg	21 06 54.9 -2.7
PBAR			Pg	Pg	21 07 13.6 -2.1
PBAR			Lg	Lg	21 07 18.6
PBAR	42nm,0.7s	1.75 325	ePn	Pn	21 06 52.3 -1.5
PBAR	Barrancos	1.75 325	ePg	Pg	21 06 54.9 -2.7
PBAR			eSg	Sg	21 07 13.6 -2.1
PBAR			eSg	Sg	21 07 18.6 -1.7
EGUA	42nm,0.7s	1.78 86	Pg	Pg	21 06 55.4 -2.8
EGUA	Guajares				21 07 19.7
EGUA	8.8nm,0.2s,SNR=7.9				
EGUA	71nm,0.4s,SNR=7.9				21 06 55.4 -2.8
EGUA	Guajares	1.78 86	Pg	Pg	21 06 55.4 -2.8
EGUA	8.8nm,0.2s,SNR=7.9				21 07 19.7
EGUA	71nm,0.4s,SNR=7.9				
PBDV	Barranco-do-Ve	1.79 287	ePn	Pn	21 06 53.6 -0.8
PBDV	Barranco-do-Ve	1.79 287	ePg	Pg	21 06 55.6 -2.9
PBDV			eSg	Sg	21 07 15.3 -1.6
PBDV			eSg	Sg	21 07 20.7 -1.1
PBDV	32nm,0.6s	1.79 287	ePn	Pn	21 06 53.6 -0.8
PBDV	Barranco-do-Ve	1.79 287	ePg	Pg	21 06 55.6 -2.9
PBDV	Barranco-do-Ve	1.79 287	eSg	Sg	21 07 15.3 -1.6
PBDV			eSg	Sg	21 07 20.7 -1.1
ECOG	32nm,0.6s	1.85 73	Pg	Pg	21 06 56.6 -3.0
ECOG	Cogollos-Vega				21 07 22.1
ECOG	11nm,0.2s,SNR=7.9				
ECOG	56nm,0.4s,SNR=5.1				21 06 56.6 -3.0
ECOG	Cogollos-Vega	1.85 73	Pg	Pg	21 06 56.6 -3.0
ECOG	11nm,0.2s,SNR=7.9				21 07 22.1
ECOG	56nm,0.4s,SNR=5.1				
EQUE	Quentar	1.93 76	Pn	Pn	21 06 55.7 -0.6
EQUE	0.5nm,0.1s,SNR=24				21 06 58.8 -2.3
EQUE	6.4nm,0.3s,SNR=7.1				21 07 24.6
EQUE	24nm,0.4s,SNR=7.9				
EQUE	Quentar	1.93 76	Pn	Pn	21 06 55.7 -0.6
PCVE	30nm,0.4s	2.01 297	ePn	Pn	21 06 56.1 -1.3
PCVE	Castro Verde	2.01 297	ePg	Pg	21 07 01.2 -1.5
PCVE	Castro Verde	2.01 297	eSg	Sg	21 07 26.4 -2.4
PCVE			A	A	21 07 31.1
PCVE	30nm,0.4s	2.01 297	Pn	Pn	21 06 56.1 -1.3
PCVE	Castro Verde	2.01 297	Pg	Pg	21 07 01.2 -1.5
PCVE	Castro Verde	2.01 297	Sg	Sg	21 07 26.4 -2.4
PCVE			Lg	Lg	21 07 26.4
PCVE	30nm,0.4s	2.01 297	ePn	Pn	21 06 56.1 -1.3
PCVE	Castro Verde	2.01 297	ePg	Pg	21 07 01.2 -1.5
PCVE	Castro Verde	2.01 297	eSg	Sg	21 07 26.4 -2.4
PCVE			Lg	Lg	21 07 26.4
EBAD	30nm,0.4s	2.23 334	Pn	Pn	21 06 58.9 -1.6
EBAD	Badajoz				21 07 03.6 -3.3
EBAD	1.2nm,0.1s,SNR=14				21 07 25.7 -2.1
EBAD	3.9nm,0.2s,SNR=16				
EBAD	15nm,0.2s,SNR=5.0				21 07 31.2
EBAD	32nm,0.2s,SNR=7.9				
EBAD	Badajoz	2.23 334	Pn	Pn	21 06 58.8 -1.7
EBAD	1.2nm,0.1s,SNR=14				
EBER	Berja	2.32 85	Pn	Pn	21 07 01.4 -0.3
EBER	0.2nm,0.1s,SNR=7.9				21 07 05.6 -3.0
EBER	3.1nm,0.3s,SNR=5.9				21 07 36.6
EBER	29nm,0.7s,SNR=7.9				
EBER	Berja	2.32 85	Pn	Pn	21 07 01.4 -0.3
EBER	0.2nm,0.1s,SNR=7.9				
MORF	Marmelete	2.37 285	ePn	Pn	21 07 03.2 +0.9
MORF	Marmelete	2.37 285	ePg	Pg	21 07 07.7 -1.8
MORF	Marmelete	2.37 285	eSg	Sg	21 07 38.1 -2.1
MORF			A	A	21 07 43.8
MORF	22nm,0.2s	2.37 285	Pn	Pn	21 07 03.2 +0.9
MORF	Marmelete	2.37 285	Pg	Pg	21 07 07.7 -1.8
MORF	Marmelete	2.37 285	Sg	Sg	21 07 38.1 -2.1
MORF			Lg	Lg	21 07 38.1
MORF	22nm,0.2s	2.37 285	ePn	Pn	21 07 03.2 +0.9
MORF	Marmelete	2.37 285	ePg	Pg	21 07 07.7 -1.8
MORF	Marmelete	2.37 285	eSg	Sg	21 07 38.1 -2.1
MORF			Lg	Lg	21 07 38.1
EQES	22nm,0.2s	2.40 63	Pn	Pn	21 07 01.5 -1.4
EQES	Quesada				21 07 06.6 -3.6
EQES	0.8nm,0.1s,SNR=7.9				21 07 30.3 -1.7
EQES	2.9nm,0.1s,SNR=24				21 07 38.5
EQES	6.4nm,0.2s,SNR=5.0				
EQES	19nm,0.3s,SNR=7.9				21 07 01.5 -1.3
EQES	Quesada	2.40 63	Pn	Pn	21 07 01.5 -1.3
EQES	0.8nm,0.1s,SNR=7.9				
PFVI	Vila Bisbo	2.47 280	ePn	Pn	21 07 03.0 -0.8
PFVI	Vila Bisbo	2.47 280	eSg	Sg	21 07 32.8 -0.9
PFVI	Vila Bisbo	2.47 280	eSg	Sg	21 07 40.9 -2.7
PFVI			A	A	21 07 46.3
PFVI	16nm,0.5s	2.47 280	Pn	Pn	21 07 02.6 -1.2
PFVI	Vila Bisbo	2.47 280	Pg	Pg	21 07 08.3 -3.1
PFVI	0.6nm,0.1s,SNR=7.9				21 07 30.7 -3.0
PFVI	7.5nm,0.2s,SNR=7.9				21 07 40.2
PFVI	14nm,0.2s,SNR=7.9				
PFVI	Vila Bisbo	2.47 280	Pn	Pn	21 07 02.6 -1.2
PFVI	0.6nm,0.1s,SNR=7.9				
PFVI	Vila Bisbo	2.47 280	Pg	Pg	21 07 08.3 -3.1
PFVI	1.4nm,0.1s,SNR=6.4				21 07 30.7 -3.0
PFVI	7.5nm,0.2s,SNR=7.9				21 07 40.2
PFVI	14nm,0.2s,SNR=7.9				
PFVI	14nm,0.2s,SNR=7.9				21 07 40.9 -2.7
EVO	Evora	2.52 316	ePn	Pn	21 07 03.3 -1.1
EVO	Evora	2.52 316	eSg	Sg	21 07 42.0 -3.0
EVO	Evora	2.52 316	Lg	Lg	21 07 47.5
EVO	26nm,0.6s	2.52 316	Pn	Pn	21 07 03.3 -1.1
EVO	Evora	2.52 316	Pg	Pg	21 07 03.3 -1.1
EVO	Evora	2.52 316	Sg	Sg	21 07 42.0 -3.0
EVO			Lg	Lg	21 07 47.5
EVO	26nm,0.6s	2.52 316	ePn	Pn	21 07 03.3 -1.1
EVO	Evora	2.52 316	eSg	Sg	21 07 42.0 -3.0
EVO	Evora	2.52 316	Lg	Lg	21 07 47.5
EVO	26nm,0.6s	2.52 316	Pn	Pn	21 07 03.3 -1.1
EVO	Evora	2.52 316	Pg	Pg	21 07 03.3 -1.1
EVO	Evora	2.52 316	Sg	Sg	21 07 42.0 -3.0
EVO			Lg	Lg	21 07 47.5
PESTR	Estremoz	2.56 326	ePn	Pn	21 07 04.0 -1.0
PESTR	Estremoz	2.56 326	eSg	Sg	21 07 44.5 -1.8
PESTR	Estremoz	2.56 326	Lg	Lg	21 07 47.7
PESTR	17nm,0.4s	2.56 326	Pn	Pn	21 07 04.0 -1.0
PESTR	Estremoz	2.56 326	Pg	Pg	21 07 04.0 -1.0
PESTR	Estremoz	2.56 326	Sg	Sg	21 07 44.5
PESTR			Lg	Lg	21 07 44.5
PESTR	17nm,0.4s	2.56 326	ePn	Pn	21 07 04.0 -1.0
PESTR	Estremoz	2.56 326	eSg	Sg	21 07 44.5 -1.8
PESTR	Estremoz	2.56 326	Lg	Lg	21 07 47.7
PESTR	17nm,0.4s	2.56 326	Pn	Pn	21 07 04.0 -1.0
PESTR	Estremoz	2.56 326	Pg	Pg	21 07 04.0 -1.0
PESTR	Estremoz	2.56 326	Sg	Sg	21 07 44.5
PESTR			Lg	Lg	21 07 44.5
PNCL	Nicolau / Gran	2.58 303	ePn	Pn	21 07 04.1 -1.2
PNCL	Nicolau / Gran	2.58 303	ePg	Pg	21 07 11.5 -2.0
PNCL	Nicolau / Gran	2.58 303	eSg	Sg	21 07 35.1 -1.2
PNCL	Nicolau / Gran	2.58 303	eSg	Sg	21 07 44.2 -2.8
PNCL			A	A	21 07 48.9
PNCL	15nm,0.2s	2.58 303	ePn	Pn	21 07 04.1 -1.2
PNCL	Nicolau / Gran	2.58 303	ePg	Pg	21 07 11.5 -2.0
PNCL	Nicolau / Gran	2.58 303	eSg	Sg	21 07 35.1 -1.2
PNCL	Nicolau / Gran	2.58 303	eSg	Sg	21 07 44.2 -2.8
PNCL			A	A	21 07 48.9
MOE	Montemor	2.71 312	eSg	Sg	21 07 47.8 -3.2
MOE	Montemor	2.71 312	Lg	Lg	21 07 47.8
MOE	Montemor	2.71 312	eSg	Sg	21 07 47.8 -3.2
MOE	Huescar	2.76 66	Pn	Pn	21 07 06.1 -1.6
EHUE	1.0nm,0.1s,SNR=7.9				

EHUE	1.7nm,0.1s,SNR=7.9		Pg	Pg	21 07 10.7 -6.2
EHUE	3.8nm,0.4s,SNR=7.9				21 07 39.3 -1.4
EHUE	8.7nm,0.3s,SNR=7.9				21 07 49.2
EHUE	Huescar	2.76 66	Pn	Pn	21 07 06.1 -1.6
PMRV	1.0nm,0.1s,SNR=7.9	2.97 335	ePn	Pn	21 07 09.1 -1.5
PMRV	Marv??o	2.97 335	eSg	Sg	21 07 43.9 -2.0
PMRV			eSg	Sg	21 07 53.9 -5.5
PMRV			A	A	21 08 00.6
PMRV	23nm,0.3s	2.97 335	Pn	Pn	21 07 09.1 -1.5
PMRV	Marv??o	2.97 335	Sg	Sg	21 07 43.9 -2.0
PMRV			Lg	Lg	21 07 53.9
PMRV	23nm,0.3s	2.97 335	ePn	Pn	21 07 09.1 -1.5
PMRV	Marv??o	2.97 335	eSg	Sg	21 07 43.9 -2.0
PMRV			eSg	Sg	21 07 53.9 -5.5
PMRV			A	A	21 08 00.6
EVIA	2.0nm,0.1s,SNR=7.9	3.21 53	Pn	Pn	21 07 12.2 -1.8
EVIA	Vianos				21 07 49.8 -2.2
EVIA	5.2nm,0.3s,SNR=7.9				21 07 12.2 -1.8
EVIA	Vianos	3.21 53	Pn	Pn	21 07 12.2 -1.8
EVIA	2.0nm,0.1s,SNR=7.9				21 07 49.8 -2.2
EVIA	5.2nm,0.3s,SNR=7.9				
ESDC	Sonsea Array	3.26 25	Pn	Pn	21 07 13.5 -1.1
ESDC	5.8nm,0.1s,baz=202,slow=12,SNR=8.2				21 07 49.4 -3.6
ESDC	1.7nm,0.1s,baz=209,slow=24,SNR=9.6				21 08 04.2
ESDC	2.1nm,0.2s,baz=206,slow=29,SNR=7.9				21 08 04.2
ESDC	Sonsea Array	3.26 25	Pn	Pn	21 07 13.5 -1.1
ESDC	5.8nm,0.1s,slow=12,SNR=8.2				
ESDC	1.7nm,0.1s,baz=209,slow=24,SNR=9.6				21 07 49.4 -3.6
ESDC	2.1nm,0.2s,SNR=7.9				21 08 04.2
EPLA	Plasencia	3.32 356	Pn	Pn	21 07 14.0 -1.5
EPLA	0.3nm,0.2s,SNR=9.1				21 07 49.9 -4.7
EPLA	3.4nm,0.2s,SNR=7.9				21 08 03.7
EPLA	25nm,0.5s,SNR=7.9				21 07 14.0 -1.5
EPLA	Plasencia	3.32 356	Pn	Pn	21 07 14.0 -1.5
EPLA	0.3nm,0.2s,SNR=9.1				21 07 49.9 -4.7
EPLA	3.4nm,0.2s,SNR=7.9				21 08 03.7
EPLA	25nm,0.5s,SNR=7.9				
PMAFR	Mafr	3.54 310	Pn	Pn	21 07 18.1 -0.4
PMAFR	0.3nm,0.1s,SNR=7.9				21 07 26.7 -5.2
PMAFR	SNR=7.9				21 07 57.6 -2.5
PMAFR	65nm,0.6s,SNR=7.9				21 08 13.8
PMAFR	58nm,0.6s,SNR=7.9				
PMAFR	Mafr	3.54 310	Pn	Pn	21 07 18.1 -0.4
PMAFR	0.3nm,0.1s,SNR=7.9				
EMUR	La Murta	3.78 72	Pn	Pn	21 07 21.2 -0.6
EMUR	1.0nm,0.2s,SNR=7.9				21 08 01.1 -4.8
EMUR	0.8nm,0.2s,SNR=7.9				21 08 20.9
EMUR	5.7nm,0.4s,SNR=7.9				21 07 21.2 -0.6
EMUR	La Murta	3.78 72	Pn	Pn	21 07 21.2 -0.6
EMUR	1.0nm,0.2s,SNR=7.9				21 08 01.1 -4.8
EMUR	0.8nm,0.2s,SNR=7.9				21 08 20.9
EMUR	5.7nm,0.4s,SNR=7.9				
ETOB	Tobarra	3.85 59	Pn	Pn	21 07 20.7 -2.1
ETOB	0.6nm,0.1s,SNR=7.9				21 08 04.8 -2.9
ETOB	1.3nm,0.2s,SNR=7.9				21 08 22.9
ETOB	5.4nm,0.3s,SNR=5.0				21 07 20.7 -2.1
ETOB	Tobarra	3.85 59	Pn	Pn	21 07 20.7 -2.1
ETOB	0.6nm,0.1s,SNR=7.9				21 08 04.8 -3.0
ETOB	1.3nm,0.2s,SNR=7.9				21 08 22.9
ETOB	5.4nm,0.3s,SNR=5.0				
GUD	Guadarrama	4.09 18	Pn	Pn	21 07 25.2 -0.9
GUD	0.9nm,0.2s,SNR=7.9				21 08 10.1 -3.6
GUD	4.3nm,0.3s,SNR=7.9				21 08 29.













TLY	Talaya	54.08 345	P	P	21 50 03.4 +0.5
BHK	Bhakra	54.39 310	ePKP	P	21 50 05.0 -0.6
IRK	Irkutsk	54.43 346	eP	ScS	21 50 05.2 -0.2
IRK			eS	pmx	21 59 36.4 -4.1
BHV	Bhavnagar	54.53 297	ePKP	P	21 50 06.0 -0.7
MOY	Monday	54.80 343	eP	P	21 50 09.0 +0.9
FUNA	Funafuti	56.07 100	eP	P	21 50 19.3 +1.3
MSFV	Nonsavu	56.41 111	eP	P	21 50 22.4 +2.1
MSVF	Nonsavu	56.41 111	eS	ScP	21 55 05.1 +3.0
MSVF	Nonsavu	56.41 111	eP	P	21 50 22.0 +1.7
MSVF	Nonsavu	56.41 111	eP	P	21 50 22.4 +2.1
CLNS	Chul'man	56.57	1 eP	P	21 50 20.2 -0.5
CLNS			eS	S	21 51 14.9
CLNS			eS	S	21 52 25.9
CLNS			eS	S	21 58 12.6 +1.1
CLNS	comp=Z,317nm,1.1s,mb6.1		pmx	pmx	
CLNS	comp=N,204nm,1.1s		pmx	pmx	
CLNS	comp=E,86nm,1.1s		pmx	pmx	
CLNS	comp=Z,31nm,1.2s,mb5.0		pmx	pmx	
CLNS	comp=N,57nm,1.3s		pmx	pmx	
CLNS	comp=E,23nm,1.2s		smx	pmx	
CLNS	comp=N,312nm,10.8s		smx	pmx	
CLNS	comp=E,121nm,11.5s		smx	pmx	
HVS	Khovu-Aksy	56.79 338c	iP	P	21 50 22.6 +0.3
HVS			eP	pmx	
SKR	Severo-Kuril's	57.48 24	eP	P	21 50 28.5 +1.3
SKR			eP	pmx	
SKR			eP	pmx	
BOD	Bodaibo	58.05 354	iP	P	21 50 30.7 -0.3
BOD			e	pmx	21 20 02.9
Ouz	Omahuta	58.33 133	eP	P	21 50 34.9 +1.4
Ouz			eP	pmx	21 52 46.9 +2.6
Ouz			eP	pmx	21 55 13.2 +3.0
KSH	Kashi	58.48 318	iP	P	21 51 05.3 -2.4
KSH			eP	pmx	21 51 05.3 -2.4
KSH			eP	pmx	21 51 19.2 -4.0
KSH			eP	pmx	21 51 24.8 +1.3
KSH			eP	pmx	21 52 47.2 +1.7
KSH			eP	pmx	21 55 11.6 +0.8
KSH			eP	pmx	21 58 24.0 +1.2
KSH			eP	pmx	21 58 24.2 -2.7
KSH			eP	pmx	22 00 08.7 -1.8
KSH	comp=Z,190nm,0.9s,mb5.9		pmx	pmx	
KSH	comp=Z,1µm,3.1s		LR	LR	
KSH	comp=N,1µm,16.8s		LR	LR	
KSH	comp=E,950nm,14.6s		LR	LR	
KSH	comp=Z,1µm,14.4s		LR	LR	
MK31	Makanchi Array	58.83 328	eP	P	21 50 36.8 +0.1
MK31			eP	pmx	21 51 24.9 +0.3
MK31			eP	pmx	21 55 11.3 -0.8
MK31			eP	pmx	21 50 36.8 +0.2
MK31			eP	pmx	21 51 24.9
MKAR	Makanchi Array	58.83 328	eP	P	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4 -0.3
MKAR			eP	pmx	21 55 11.7 -0.5
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 15 57.6
MKAR			eP	pmx	22 20 09.4
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx	21 58 33.3 +2.2
MKAR			eP	pmx	22 27 43.3
MKAR			eP	pmx	21 50 36.8 +0.2
MKAR			eP	pmx	21 51 09.7 -0.3
MKAR			eP	pmx	21 51 24.4
MKAR			eP	pmx</	

11d 21h

Table with columns for name, time, and various status indicators. Includes entries like Biilbino, AKTU Aktyubinsk, MUKAI Mukalia, etc.

2008 DEC

Table with columns for name, time, and various status indicators. Includes entries like SOC, SVWZ Sparrevohn, KELT Kelik, etc.

486

Table with columns for name, time, and various status indicators. Includes entries like ILAR, Eielson Array, Keskin Array, etc.







RR12	Red Ridge	114.74	41	ePKPdf	PKIKP	21 59 17.9	+0.8
RR12				eSKP	PP	22 00 16.5	0.0
RR12				ePKPdf	SKPdf	22 02 41.4	+1.9
RR12				ePKKPab	PKKPab	22 10 01.7	-0.1
C20A	Veseth Ranch,	114.74	36	PKIKP	PKIKP	21 59 17.7	+0.8
IMW	Indian Meadow	114.74	40	ePKPdf	PKIKP	21 59 18.9	+1.9
IMW				PP	PP	22 00 12.6	-4.0
IMW				ePKKPab	PKKPab	22 10 01.9	+0.1
H17A	Grant Village	114.75	40	PKIKP	PKIKP	21 59 18.6	+1.6
M15A	Larsen Ranch,	114.77	43	PKIKP	PKIKP	21 59 17.8	+0.7
K16A	Soda Springs	114.78	42	PKIKP	PKIKP	21 59 18.6	+1.4
LKWY	Lake	114.79	40	ePKPdf	PKIKP	21 59 19.1	+2.0
LKWY				ePP	PP	22 00 18.4	+1.5
LKWY				ePKIKP	PKIKP	21 59 19.1	+2.0
LKWY				e		22 00 18.4	
FLWY	Flagg Ranch	114.82	40	ePdf	Pdf	21 55 31.3	+3.4
FLWY				ePKP	PKIKP	21 59 17.5	+0.3
FLWY				ePP	PP	22 00 19.1	+2.0
FLWY				ePKKPab	PKKPab	22 10 02.0	+0.5
BELC	Belle Mtn. Jos.	114.83	52	PKIKP	PKIKP	21 59 18.6	+1.1
MONP	Monument Peak	114.83	53	PKIKP	PKIKP	21 59 19.0	+1.5
GMCR	Granite Mounta	114.85	51	PKIKP	PKIKP	21 59 19.4	+1.9
E19A	Rath Farm, Rou	114.90	37	PKIKP	PKIKP	21 59 18.2	+0.9
TPAW	Teton Pass	114.92	41	ePKPdf	PKIKP	21 59 19.1	+1.8
TPAW				eSKPdf	SKPdf	22 02 40.5	+0.6
TPAW				ePKKPab	PKKPab	22 10 01.5	+0.4
MOOW	Moose Ponds	114.94	40	ePKPdf	PKIKP	21 59 18.1	+0.7
MOOW				ePKPdf	SKPdf	22 00 18.4	+0.6
MOOW				ePKKPab	PKKPab	22 10 00.4	-0.5
R13A	O'Grain Ranch,	114.96	47	PKIKP	PKIKP	21 59 19.2	+1.6
I17A	Pilgrim Ck.	114.97	40	PKIKP	PKIKP	21 59 18.9	+1.5
D20A	Manuel Ranch,	114.97	36	PKIKP	PKIKP	21 59 18.7	+1.3
DUG	Dugway	115.03	45	PKIKP	PKIKP	21 59 19.1	+1.4
DUG				ePKPdf	PKIKP	21 59 18.7	+1.0
DUG				eSKPdf	SKPdf	22 02 41.4	+1.2
DUG				ePKKPab	PKKPab	22 09 55.7	+0.4
DUG				e		21 59 18.7	+1.0
DUG				e		22 05 57.5	
REDW	Red Top Meadow	115.04	41	ePKPdf	PKIKP	21 59 18.8	+1.2
REDW				eSKPdf	SKPdf	22 02 41.3	+1.2
SNOW	Snow King Moun	115.06	41	ePKPdf	PKIKP	21 59 19.2	+1.5
SNOW				ePP	PP	22 00 19.8	+0.1
SNOW				eSKPdf	SKPdf	22 02 41.4	+1.2
SNOW				ePKPdf	PKIKP	21 59 18.4	+0.7
LOHW	Long Hollow	115.09	41	ePKPdf	PKIKP	22 00 18.5	-0.5
LOHW				eSKPdf	SKPdf	22 02 41.4	+1.2
LOHW				ePKKPab	PKKPab	22 10 00.1	-0.2
F19A	Roth Farm, Mol	115.10	38	PKIKP	PKIKP	21 59 18.8	+1.1
J17A	Brown Place, J	115.13	41	PKIKP	PKIKP	21 59 18.9	+1.1
DVTC	Desert V Tower	115.16	54	PKIKP	PKIKP	21 59 18.8	+0.6
LDFC	Landfair	115.18	51	ePKPdf	PKPaf	21 59 19.9	+1.8
LDFC				ePP	PP	22 00 20.9	+0.9
LDFC				ePKKPab	PKKPab	22 09 55.5	+1.0
H18A	Shoshone NF, C	115.20	39	PKIKP	PKIKP	21 59 19.0	+1.1
C21A	Desert Coulee	115.21	35	PKIKP	PKIKP	21 59 18.4	+0.5
L16A	Fish Haven	115.23	42	PKIKP	PKIKP	21 59 19.0	+0.9
O15A	The Old Anders	115.23	45	PKIKP	PKIKP	21 59 19.4	+1.3
RLMT	Red Lodge	115.25	39	PKIKP	PKIKP	21 59 19.2	+1.2
RLMT	Red Lodge	115.25	39	ePKPdf	PKPaf	21 59 19.7	+1.8
RLMT				ePKKPab	PKKPab	22 09 59.5	+0.0
A22A	Carney Farms,	115.25	34	PKIKP	PKIKP	21 59 18.7	+0.8
E20A	Meyer Farm, Mu	115.27	37	PKIKP	PKIKP	21 59 18.7	+0.8
HWUT	Hardware Ranch	115.31	43	ePKPdf	PKPaf	21 59 18.9	+0.7
HWUT				eSKPdf	SKPdf	22 02 40.8	0.0
HWUT				ePKKPab	PKKPab	22 09 59.0	-0.3
SWSC	Sam W. Stewart	115.31	53	PKIKP	PKIKP	21 59 19.3	+0.9
NOQ	North Oquirrh	115.33	44	ePKPdf	SKPdf	21 59 20.1	+1.9
NOQ				eSKPdf	SKPdf	22 02 42.8	+2.0
BC3	Big Chuckawall	115.37	52	PKIKP	PKIKP	21 59 19.7	+1.1
IRM	Iron Mountain	115.44	52	PKIKP	PKIKP	21 59 20.2	+1.5
ARUT	Antelope Range	115.49	47	ePKPdf	PKPaf	21 59 21.1	+2.4
ARUT				ePP	PP	22 00 22.5	+0.4
ARUT				ePKIKP	PKPaf	21 59 21.1	+2.4
ARUT				e		22 00 22.5	
H18A	Diamond G Ranc	115.56	40	PKIKP	PKIKP	21 59 19.4	+0.8
L17A	Cokeville	115.57	42	PKIKP	PKIKP	21 59 19.5	+0.8
B22A	Redding Ranch S	115.58	34	PKIKP	PKIKP	21 59 19.2	+0.7
F20A	Billings	115.61	38	PKIKP	PKIKP	21 59 19.3	+0.6
CCUT	Cedar City	115.64	48	ePKPdf	PKPaf	21 59 20.8	+1.8
CCUT				ePP	PP	22 00 23.0	-0.1
CCUT				ePKKPab	PKKPab	22 09 53.9	+0.2
H19A	Powell	115.64	39	PKIKP	PKIKP	21 59 19.7	+1.0
J18A	Kendall Valley	115.65	41	PKIKP	PKIKP	21 59 19.5	+0.7
P15A	Leamington	115.65	45	PKIKP	PKIKP	21 59 20.2	+1.2
D21A	La Casta Ranch	115.66	36	PKIKP	PKIKP	21 59 19.7	+1.0
TAM	Tamanrasset	115.67	295	ePKPdf	PKPaf	21 59 21.1	+1.7
TAM				ePP	PP	22 00 25.9	+1.9
TAM				eSKPdf	SKPdf	22 02 42.6	+0.6
TAM				ePKIKP	PKPaf	21 59 21.1	+1.7
TAM				e		22 00 25.9	
N16A	Rees Ranch, Co	115.70	44	PKIKP	PKIKP	21 59 19.9	+0.9
JLU	Jordanelle	115.81	44	ePKPdf	PKPaf	21 59 20.9	+1.7
JLU				ePP	PP	22 00 23.5	-0.7
JLU				ePKKPab	PKKPab	22 09 52.5	0.0
JLU				ePKKPab	PKKPab	22 09 57.7	+0.6
A23A	Redstone	115.84	33	PKIKP	PKIKP	21 59 20.1	+1.0
G20A	Bridger	115.85	38	PKIKP	PKIKP	21 59 19.7	+0.6
E12A	Keefe Ranch,	115.88	36	PKIKP	PKIKP	21 59 20.3	+1.1
K18A	Toltan Ranch,	115.89	41	PKIKP	PKIKP	21 59 20.1	+0.8
I19A	Meeteetse	115.93	40	PKIKP	PKIKP	21 59 20.0	+0.7
O16A	Springville	115.94	44	PKIKP	PKIKP	21 59 20.6	+1.1
C22A	Vida	115.94	35	PKIKP	PKIKP	21 59 20.0	+0.8
M17A	Scully's Gap (B	115.98	43	PKIKP	PKIKP	21 59 20.5	+1.0
DAU	Daniels Canyon	116.03	44	ePKPdf	PKPaf	21 59 21.3	+1.6
DAU				ePKIKP	PKPaf	21 59 21.3	+1.7
GLA	Glamis	116.05	53	PKIKP	PKIKP	21 59 21.2	+1.3
GLA				ePKIKP	PKIKP	21 59 22.3	+2.4
GLA				ePKIKP	PKIKP	21 59 22.3	+2.4
B23A	Brocton	116.06	34	PKIKP	PKIKP	21 59 20.3	+0.9
Y12C	Blythe	116.07	52	PKIKP	PKIKP	21 59 21.0	+1.1
P16A	Fountain Green	116.07	45	PKIKP	PKIKP	21 59 20.8	+1.1
D22A	Cohagen	116.09	35	PKIKP	PKIKP	21 59 20.9	+1.4
N17A	Moffit Pass	116.09	43	PKIKP	PKIKP	21 59 21.0	+1.2
W13A	Hualapai Mount	116.11	50	PKIKP	PKIKP	21 59 22.0	+2.0
PD01	Pinedale Array	116.13	41	ePKPdf	PKPaf	21 59 21.1	+1.2
PD01				ePKKPab	PKKPab	22 09 55.4	-0.3

MSU	Marysvale	116.14	46	ePKPdf	PKPaf	21 59 21.7	+1.8
MSU				eSKP	SKPdf	22 02 44.4	+2.0
MSU				ePKKPab	PKKPab	22 09 52.4	+1.0
MSU				ePKIKP	PKPaf	21 59 21.7	+1.8
MSU				e		22 09 52.4	
PD02	Pinedale Array	116.14	41	ePKPdf	PKPaf	21 59 21.0	+1.2
BW06	Boulder Array	116.15	41	ePKKPab	PKKPab	21 59 20.55	-0.1
BW06				PKPaf		21 59 20.6	+0.8
BW06				ePKIKP	PKIKP	21 59 20.9	+1.2
BW06				ePKIKP	PKIKP	21 59 20.9	+1.2
PDAR	Pinedale Array	116.15	41	Pdfif	Pdfif	21 55 35.9	+2.1
PDAR	comp=Z,1.9nm,1.0s,baz=197,slow=1.5,SNR=65			PKP	PKPaf	21 59 20.9	+1.1
PDAR	comp=Z,5.0nm,1.0s,baz=225,slow=0.2,SNR=4.1			SKP		22 02 43.5	
PDAR	comp=Z,2.7nm,0.7s,baz=114,slow=5.6,SNR=7.3			PKKPab	PKKPab	22 09 49.4	-2.0
PDAR	Pinedale Array	116.15	41	PKP	PKPaf	21 55 35.9	+2.1
PDAR				SKP		22 02 43.5	
PDAR				PKKPab	PKKPab	22 09 49.4	-2.0
R15A	Junction	116.18	47	PKIKP	PKIKP	21 59 21.4	+1.4
PDMDI	Parker Dam,Lak	116.19	51	PKIKP	PKIKP	21 59 21.1	+1.0
L18A	Fontenelle, Gr	116.21	42	PKIKP	PKIKP	21 59 21.0	+1.0
F21A	Absaloka Mine,	116.22	37	PKIKP	PKIKP	21 59 21.0	+1.2
J19A	Crowheart	116.25	40	PKIKP	PKIKP	21 59 20.9	+0.9
LAO	LASA Array	116.31	36	PKIKP	PKIKP	21 59 21.1	+1.1
LAO				ePKPdf	SKPdf	21 59 21.7	+1.7
LAO				eSKPdf	SKPdf	22 02 43.0	+0.5
C23A	Lambert	116.31	34	PKIKP	PKIKP	21 59 21.0	+1.0
A24A	Wesley	116.34	33	PKIKP	PKIKP	21 59 20.8	+0.8
H20A	Greybull	116.34	39	PKIKP	PKIKP	21 59 20.9	+0.8
M18A	Lynsde	116.41	43	PKIKP	PKIKP	21 59 21.1	+0.8
G12A	Lodge Grass	116.47	38	PKIKP	PKIKP	21 59 21.3	+1.0
O17A	Robinson Place	116.48	44	PKIKP	PKIKP	21 59 21.6	+1.1
DGMT	Dagmar	116.49	33	PKIKP	PKIKP	21 59 21.0	+0.8
DGMT	Dagmar	116.49	33	ePKPdf	PKPaf	21 59 21.5	+1.2
DGMT				eSKP	SKPdf	22 02 43.9	+1.1
TMUT	Trail Mountain	116.52	45	ePKPdf	PKPaf	21 59 22.1	+1.5
TMUT				ePKKPab	PKKPab	22 09 50.4	+0.4
TMUT				ePKKPab	PKKPab	22 09 54.7	+0.7
I20A	Worland	116.52	39	PKIKP	PKIKP	21 59 21.5	+1.1
L19A	Farson	116.58	42	PKIKP	PKIKP	21 59 21.8	+1.1
E22A	Miles City	116.60	36	PKIKP	PKIKP	21 59 21.4	+0.9
D23A	Lindsay	116.64	35	PKIKP	PKIKP	21 59 21.6	+1.0
Q16A	Castle Valley	116.70	45	PKIKP	PKIKP	21 59 22.3	+1.3
R16A	Redvale	116.73	46	PKIKP	PKIKP	21 59 22.7	+1.7
F22A	Rosebud	116.76	37	PKIKP	PKIKP	21 59 21.7	+0.8
P17A	Butter Ranch,	116.78	45	PKIKP	PKIKP	21 59 22.1	+1.0
J20A	Shoshoni	116.83	40	PKIKP	PKIKP	21 59 22.0	+0.9
U15A	North Rim	116.85	48	PKIKP	PKIKP	21 59 23.1	+1.8
H21A	Big Horn, Sher	116.87	38	PKIKP	PKIKP	21 59 21.6	+0.4
S16A	Weppner Ranch,	116.87	47	PKIKP	PKIKP	21 59 22.2	+0.9
C24A	Savage	116.89	34	PKIKP	PKIKP	21 59 22.4	+1.4
Z13A	Yuma Proving G	116.93	52	PKIKP	PKIKP	21 59 23.0	+1.4
E23A	Smay	116.94	36	PKIKP	PKIKP	21 59 22.4	+1.2
O18A	Roosevelt	116.95	44	PKIKP	PKIKP	21 59 22.6	+1.2
M19A	Rock Springs	116.99	42	PKIKP	PKIKP	21 59 22.2	+0.7
I13A	Mohawk Valley,	116.99	53	PKIKP	PKIKP		





Table with columns: WIZ, URZ, PRGZ, KNZ, KNZ, MHGZ, EDJRZ, EDJRZ, RAHZ, OPZH, TARZ, PRZR, NMHZ, BKZ, BKZ, MCHZ, KAHZ, BHHZ, KUZ, KUZ, KUZ, PXZ, MOVZ, MOVZ, WNVZ, WNVZ, PNHZ, PNHZ, WPHZ, WPHZ, MKAZ, MKAZ, PRHZ, PRHZ, PRHZ, TSZ, TSZ, TSZ, DVHZ, DVHZ, MRZ, MRZ, MRZ, MWZ, MWZ, HOWZ, TMWZ, OGWZ, OGWZ, MTW, MTW, KIW, KIW, CAW, CAW, THZ, THZ. Includes station names, coordinates, and times.

Code Station Name Δ° AZZ Phase ID Time Res ISC h m s ISC

Table with columns: ASAR, WRA, FINES. Includes station names, coordinates, and times.

ISCJB 11 23:45:45.15.4, 29.42Sx177.84W, h0km, mb3.4/2, mb1 3.7/2, mb1mx3.5/14, mbtmp3.4/2, Error ellipse: s-maj=292.8km s-min=79.8km az=165.0, Kermadec Islands

ISCJB 11 23:48:43.1±0.5, 54.59N±0.03, 19.27E±0.07, h0km, Error ellipse: s-maj=5.9km s-min=4.2km az=11.5

NEIC 11 23:48:46.0±0.8, 54.51N±19.16E, h5km, Error ellipse: s-maj=15.2km s-min=9.5km az=96.0

CSEM 11 23:48:46.1±0.3, 54.53N±19.13E, h1km, ML2.0, Error ellipse: s-maj=11.2km s-min=6.4km az=108.0, Mining explosion.

ISC 11 23:48:47.0±1.0, 54.45N±19.35E, h0km, mb1 3.2/6, mb1mx3.1/25, mbtmp3.1/6, ML2.8/6, Error ellipse: s-maj=17.1km s-min=8.8km az=98.0

HEL 11 23:48:49.0±0.5, 54.61N±19.39E, h0km, ML2.0, Explosion

ISC 11 23:48:48.0±0.5, 54.56N±0.03, 19.27E±0.07, h0km, n47, ±160/73, Poland

Table with columns: SUW, SUW, SUW, BSD, BSD, BSD, MTSE, MTSE, MORC, MORC, MORC, VRAC, VRAC, AAL, AAL, AAL, MEF, MEF, MEF, HFS, HFS, HFS, HFS, HFS, RAU, RAU, RAU, GERES, GERES, PVF, PVF, PVF, VJF, VJF, VJF, NOA, NOA, NOA, FIAO, FIAO. Includes station names, coordinates, and times.

Table with columns: FIAO, FIAO, FIAO, FINES, FINES, FINES, KEF, KEF, KEF, KAF, KAF, KAF, VAF, VAF, VAF, SUF, SUF, SUF, JOF, JOF, JOF, ARCES, ARCES. Includes station names, coordinates, and times.

ISC 12 00:29:51.6±1.2, 10.92Sx167.56E, h0km, mb4.2/7, mb1 4.3/7, mb1mx4.0/18, mbtmp4.2/7, Error ellipse: s-maj=44.2km s-min=23.1km az=156.0

ISCJB 12 00:29:54.0±0.8, 11.2S±0.2, 167.67E±0.09, h33km, mb4.0/6, Error ellipse: s-maj=25.1km s-min=12.6km az=2.1

NEIC 12 00:29:56.6±0.6, 11.12Sx167.64E, h35km, Error ellipse: s-maj=19.6km s-min=12.0km az=182.0

ISC 12 00:29:56.7±0.8, 11.1S±0.2, 167.63E±0.09, h35km, n16, ±048/16, mb4.0/6, Santa Cruz Islands

Table with columns: MSVF, AFI, STKA, WRA, WRA, ASAR, ASAR, FITZ, FITZ, ILAR, ILAR, MKAR, MKAR. Includes station names, coordinates, and times.

ISC 12 00:47:17.7±1.0, 31.18Sx176.75W, h0km, mb4.2/6, mb1 4.4/7, mb1mx4.2/17, mbtmp4.2/7, ML3.9/1, MS3.8/9, Ms1 3.8/9, ms1mx3.4/31, Error ellipse: s-maj=39.2km s-min=23.2km az=154.0

NEIC 12 00:47:19.5±0.5, 31.11Sx176.87W, h10km, mb4.4/5, Error ellipse: s-maj=15.2km s-min=1.2km az=63.0

ISCJB 12 00:47:22.1±0.6, 31.12S±0.05, 177.1W±0.1, h33km, mb4.2/8, MS3.9/8, Error ellipse: s-maj=13.1km s-min=7.3km az=177.4

ISC 12 00:47:20.8±4.5, 31.15S±0.05, 177.0W±0.1, h15km, 27km, n49, ±105/31, mb4.2/8, MS3.9/8, Kermadec Islands region

Table with columns: RAO, RAO, URZ, URZ, URZ, URZ, DZM, DZM, RZR, RZR, TBI, TBI, PPT, PPT, CTA, CTA, CTA, STKA, STKA, STKA, PMG, PMG, ASAR, ASAR, ASAR, WRA, WRA, WRA, WRA, WRA, FITZ, FITZ, GSPA, GSPA, VNA3, VNA3, VNA3, VNA2, VNA2, VNA2, PLCA, PLCA, NVAR, NVAR, NVAR, LPAZ, LPAZ, LPAZ, ILAR, ILAR, CPUP, CPUP, JOF, JOF. Includes station names, coordinates, and times.

Table with columns: KAF, FINES, FINES, NB2, NOA, NOA, AKASG, AKASG, BRTR, BRTR, BRTR, TORO, TORO, TORO. Includes station names, coordinates, and times.

PRES 12 01:19:17.8±0.9, 27.89Sx267.72E, h2km, ML3.0, ISCJB 12 01:19:18.9±0.9, 27.93Sx267.74E±0.04, h16km, 9km, mb4.0/2, Error ellipse: s-maj=5.9km s-min=4.6km az=27.9

ISC 12 01:19:18.4±3.3, 27.86Sx267.77E, h0km, mb3.8/2, mb1 3.8/2, mb1mx3.4/20, mbtmp3.8/2, Error ellipse: s-maj=56.3km s-min=37.0km az=131.0

ISC 12 01:19:18.8±0.9, 27.90Sx267.73E±0.04, h5km, 6km, n16, ±061/28, mb3.9/2, South Africa

Table with columns: BFSD, BFSD, BFSD, PRYS, PRYS, PRYS, BOS, BOS, BOS, BOS, KSR, KSR, KSR, SLR, SLR, SLR, HVD, HVD, HVD, KSD, KSD, KSD, PKA, PKA, PKA, POGA, POGA, POGA, GRM, GRM, GRM, CVNA, CVNA, CVNA, KOMG, KOMG, KOMG, ELIM, ELIM, DBIC, DBIC, TORO, TORO. Includes station names, coordinates, and times.

ISC 12 01:19:40.5±4.7, 30.05Sx177.37W, h0km, mb3.8/3, mb1 4.0/3, mb1mx3.8/15, mbtmp3.8/3, Error ellipse: s-maj=209.4km s-min=41.8km az=154.0, Kermadec Islands

ISC 12 01:20:50.1±1.2, 36.65N±0.06, 29.09E±0.04, h10km, Error ellipse: s-maj=12.2km s-min=6.8km az=13.8

ISC 12 01:20:50.4±3.6, 36.67N±29.11E, h23km, MD2.6, DDA 12 01:20:50.8, 36.72N±29.07E, h7km, 5km, MD2.8

CSEM 12 01:20:50.2±0.6, 36.63N±29.11E, h10km, MD2.8, Error ellipse: s-maj=12.2km s-min=6.8km az=14.0

ISC 12 01:20:50.7±1.3, 36.64N±0.06, 29.09E±0.05, h10km, n16, ±100/30, Turkey

Table with columns: TURN, TURN, TURN, GLHS, GLHS, GLHS, ELL, ELL, ELL, GOLH, GOLH, GOLH, VER, VER, VER, YER, YER, YER, DNZL, DNZL, DNZL, KORT, KORT, KORT, BCK, BCK, BCK, ISCJB 12 01:30:12.5±0.8, 8.3S±0.1, 119.8E±0.1, h191km, 7km, mb3.8/2, Error ellipse: s-maj=23.3km s-min=11.2km az=43.1









Table with 5 columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like FRB, YKA, and YKA.

ISCJB 12 04:40:14.7:1.5, 42:19'N, 126:7'W, 0.2, h10km, mb3.2/2, Error ellipse: s-maj=18.2km s-min=10.1km az=149.2

IDC 12 04:40:15.5:3.9, 42:21'N, 126:4'W, h0km, mb3.2/2, mb1 3.6/3, mb1mx3.4/24, mbtm3.2/3, ML2.3/1, MS3.0/2, Ms1 3.0/2, ms1mx2.6/16, Error ellipse: s-maj=100.2km s-min=19.8km az=50.0

NEIC 12 04:40:16.8:1.2, 42:19'N, 126:6'W, h10km, mb3.7/3, Error ellipse: s-maj=14.7km s-min=7.8km az=60.0

ISC 12 04:40:16.4:1.1, 42:15'N, 126:7'W, 0.2, h10km, n31, e080/30, mb3.2/2, Off coast of Oregon

Main station list table for the first section, including stations like KBO, KEEM, YHMO, and others.

IDC 12 04:49:08.7:8.1, 6:41'S, 148:91'E, h49km, 66km, mb2.7/1, mb1 3.4/3, mb1mx3.2/15, mbtm3.2/3, ML2.6/1, Error ellipse: s-maj=129.2km s-min=58.5km az=119.0, New Britain region

Table with 5 columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like PMG, WRA, ASAR, and TORD.

KRSC 12 04:58:10.8:0.4, 52:64'N, 157:37'E, h162km, 28km, ML3.9, Kamchatka Peninsula

Table with 5 columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like RUS, PET, MIPR, and others.

ISCJB 12 05:12:40.0:0.8, 40:58'N, 0:04:32:72E, 0:05, h4km, 8km, Error ellipse: s-maj=6.9km s-min=5.9km az=4.4

ISK 12 05:12:40.0, 40:57'N, 32:74'E, h8km, MD2.9

CSEM 12 05:12:40.5:0.1, 40:59'N, 32:73'E, h8km, MD2.9, Error ellipse: s-maj=3.4km s-min=2.8km az=150.0

DDA 12 05:12:41.4, 40:65'N, 32:85'E, h7km, 3km, MD2.9

ISC 12 05:12:40.5:0.7, 40:59'N, 0:04:32:72E, 0:05, h6km, 6km, n43, e0549/49, Turkey

Main station list table for the second section, including stations like ELDT, SAFT, and others.

Table with 5 columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KIZT, DIKM, and others.

ISCJB 12 05:21:06.4:0.2, 42:33'N, 0:03:141:16E, 0:04, h130km, 2km, mb4.0/28, Error ellipse: s-maj=6.5km s-min=4.1km az=142.1

MOS 12 05:21:06.6:1.0, 42:34'N, 141:08'E, h133km, mb4.1/11, Error ellipse: s-maj=12.9km s-min=10.2km az=79.8

JMA 12 05:21:07.0:7.0, 42:36'N, 141:15'E, h123km, 1km, M3.3

IDC 12 05:21:07.3:1.2, 42:37'N, 141:09'E, h123km, 10km, mb3.6/18, mb1 3.7/21, mb1mx3.6/28, mbtm3.5/21, Error ellipse: s-maj=14.5km s-min=11.4km az=133.0

NEIC 12 05:21:07.8, 42:36'N, 141:15'E, h123km, mb4.7/13, After JMA

ISC 12 05:21:07.5:0.2, 42:33'N, 0:03:141:16E, 0:04, h124km, 2km, n117, e0566/133, mb4.1/28, Hokkaido region

Main station list table for the third section, including stations like JNB, JKB, and others.

MJAR Matushiro Arr 6.21 203 P Pn 05 22 37.5 +0.6

Table with 5 columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like MJAR, PETK, and others.

BILL Bilibino 29.05 19 I J P P 05 26 59.6 +4.1

Table with 5 columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ZALV, ZALV, and others.

MK31 Makanchi Array 41.33 297 eP P 05 28 41.0 +0.2

MK31 Makanchi Array 41.33 297 eP P 05 28 41.0 +0.2

MKAR Makanchi Array 41.33 297 P P 05 28 40.4 -0.4

MKAR Makanchi Array 41.33 297 P P 05 28 40.4 -0.4

MKAR Makanchi Array 41.33 297 P P 05 28 40.4 -0.4

MKAR Makanchi Array 41.33 297 P P 05 28 40.4 -0.4

MKAR Makanchi Array 41.33 297 P P 05 28 40.4 -0.4

MKAR Makanchi Array 41.33 297 P P 05 28 40.4 -0.4

MKAR Makanchi Array 41.33 297 P P 05 28 40.4 -0.4

MKAR Makanchi Array 41.33 297 P P 05 28 40.4 -0.4

MKAR Makanchi Array 41.33 297 P P 05 28 40.4 -0.4

MKAR Makanchi Array 41.33 297 P P 05 28 40.4 -0.4

Table with 5 columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like GUN, BVAR, and others.

ISCJB 12 05:21:06.4:0.2, 42:33'N, 0:03:141:16E, 0:04, h130km, 2km, mb4.0/28, Error ellipse: s-maj=6.5km s-min=4.1km az=142.1

MOS 12 05:21:06.6:1.0, 42:34'N, 141:08'E, h133km, mb4.1/11, Error ellipse: s-maj=12.9km s-min=10.2km az=79.8

JMA 12 05:21:07.0:7.0, 42:36'N, 141:15'E, h123km, 1km, M3.3

IDC 12 05:21:07.3:1.2, 42:37'N, 141:09'E, h123km, 10km, mb3.6/18, mb1 3.7/21, mb1mx3.6/28, mbtm3.5/21, Error ellipse: s-maj=14.5km s-min=11.4km az=133.0

NEIC 12 05:21:07.8, 42:36'N, 141:15'E, h123km, mb4.7/13, After JMA

ISC 12 05:21:07.5:0.2, 42:33'N, 0:03:141:16E, 0:04, h124km, 2km, n117, e0566/133, mb4.1/28, Hokkaido region

Main station list table for the fourth section, including stations like JNB, JKB, and others.

MJAR Matushiro Arr 6.21 203 P Pn 05 22 37.5 +0.6

Table with 5 columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like MJAR, PETK, and others.

BILL Bilibino 29.05 19 I J P P 05 26 59.6 +4.1

Table with 5 columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ZALV, ZALV, and others.

MK31 Makanchi Array 41.33 297 eP P 05 28 41.0 +0.2

MK31 Makanchi Array 41.33 297 eP P 05 28 41.0 +0.2

MKAR Makanchi Array 41.33 297 P P 05 28 40.4 -0.4

MKAR Makanchi Array 41.33 297 P P 05 28 40.4 -0.4

MKAR Makanchi Array 41.33 297 P P 05 28 40.4 -0.4

MKAR Makanchi Array 41.33 297 P P 05 28 40.4 -0.4

MKAR Makanchi Array 41.33 297 P P 05 28 40.4 -0.4

MKAR Makanchi Array 41.33 297 P P 05 28 40.4 -0.4

MKAR Makanchi Array 41.33 297 P P 05 28 40.4 -0.4

MKAR Makanchi Array 41.33 297 P P 05 28 40.4 -0.4

MKAR Makanchi Array 41.33 297 P P 05 28 40.4 -0.4

MKAR Makanchi Array 41.33 297 P P 05 28 40.4 -0.4

MEX 12 05:28:11.8:1.1, 14:83'N, 97:43'W, h22km, 26km, MD4.0, Off coast of Oaxaca

Table with 5 columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like HUIG, PINTE, and others.

MEX 12 05:39:29.0:0.5, 16:32'N, 99:67'W, h6km, 4km, MD3.7, Near coast of Guerrero

Table with 5 columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ACX, CAIG, and others.

ISCJB 12 05:50:01.7:0.6, 24:48'N, 0:04:122:49E, 0:02, h61km, 9km, Error ellipse: s-maj=6.9km s-min=3.1km az=176.3

JMA 12 05:50:01.1:0.1, 24:68'N, 122:51'E, h69km, M3.0



IDC 12 06:45:18.0i.1.1, 38.99Sx178.27E, h0km, mb4.2/3, mb1 4.4/4, mb1mx4.1/15, mbtmp4.2/4, ML3.9/1, Error ellipse: s-maj=37.6km s-min=21.3km az=39.0

WEL 12 06:45:21.0i.0.3, 38.90Sx178.53E, h30km, 1km, ML4.2/4/2, Error ellipse: s-maj=2.5km s-min=1.1km az=90.0

WEL FEL in the Gisborne region, maximum reported intensity MM 4. NEIC 12 06:45:21.0, 38.90S; 178.53E, h30km, ML4.2(WEL), After WEL.

NEIC FEL at Gisborne and Mangapapa. ISC 12 06:45:18.1i.1.4, 39.12S; 178.76E, h0.09, h29km, 3km, n18.2, c101/94, mb3.2, Off east coast of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Mahia Peninsula, Paritu Road, Kokohu, Puketiti, Matawai, Arah, Cape Kidnapper, Naumai, Urewera, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Matakaoa Point, Kahararangi, McNeill Hill, Paku, Paku Stump Fm, Edgcomb, Plateau Road, Mount Tarawera, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Waipukurua, Handcock Road, Black Hill Sta, Pukenui, DNVH, Moawhango, Takapari Road, Kakaramea, Oturere, Tukino, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Ngarewarewa, Kaurahou, Waihana, West Tongariro, Birch Farm, Far West T-bar, Whakapapa, Turoa, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Taurewa, Post Office Ro, Pokaka, Tintock, Mangatainoka R, Waipapa, Wangarua, Holdsworth Sta, HIZ, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Mtaki Morrison, Otaki Gorge, Kuatani, Rainy Point, Parawai Falls, Kapiti Island, Cannon Point, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Warramunga Arr, Fitzroy Crossi, Makarangi Arr, GEI, etc.

comp=2.88nm, 18.8s, baz=131, slow=58 FITZ Fitzroy Crossi 20.73 20.5 P 06 53 57.2 -0.2

STKA Stephens Creek 25.14 192.4 LR 07 05 44.4

MJAR Matushishiro Arr 43.26 354 LR 07 13 51.7

MKAR Makarangi Array 75.78 322 P 07 01 03.8 +1.0

GSPA South Pole Qui 83.31 190 P 07 01 43.4 +0.1

ILAR Fitzroy Crossi 87.24 24 LR 07 02 03.8 -0.6

KRSC 12 06:59:08.4i.0.5, 55.39N; 163.51E, h14km, 16km, ML3.7, Off east coast of Kamohatka Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Krutoberegovo, Mys Kozlova, Bering, Semkarok, Baidarnaya, Sorokina, Klyuchi, etc.

ISC/JB 12 06:59:49.4i.0.4, 40.75N; 170.03; 29.17E; 0.04, h3km, 5km, Error ellipse: s-maj=6.0km s-min=3.6km az=138.4

CSEM 12 06:59:49.7i.0.1, 40.76N; 29.18E, h5km, MD2.9, Error ellipse: s-maj=1.8km s-min=1.3km az=45.0

ISK 12 06:59:49.0, 40.76N; 29.18E, h5km, MD2.9

DDA 12 06:59:49.9, 40.76N; 29.21E, h7km, 2km, MD3.1

ISC 12 06:59:49.8i.0.4, 40.75N; 170.03; 29.18E; 0.04, h5km, 4km, n63, c045/71, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Buyukada, Buyukada, Yalova, Yalova, Gemlik, Istanbul-Kandi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Mudanya-Bursa, Mudanya-Bursa, Kilyos, Bogazkoy, Bogazkoy, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Karacabey (Bur), Karacabey (Bur), Silivri, Silivri, Galpazari, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Karacabey (Bur), Karacabey (Bur), Silivri, Silivri, Galpazari, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Kappang, Kappang, Fitzroy Crossi, Warramunga Arr, etc.

CSEM 12 07:26:08.5i.0.1, 40.58N; 27.31E, h10km, MD3.0, Error ellipse: s-maj=2.1km s-min=1.8km az=17.0

ATH 12 07:26:08.0, 40.57N; 27.31E, h20km, 1km, MD3.2/5

DDA 12 07:26:08.1, 40.55N; 27.32E, h7km, 4km, MD3.0

ISK 12 07:26:08.1, 40.57N; 27.31E, h12km, MD3.0

ISC 12 07:26:08.1, 40.58N; 27.31E; 0.03, h11km, 2km, n72, c076/98, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Sarkoy-Tekirda, Sarkoy-Tekirda, Tekirdag, Karabiga-Canak, Karabiga-Canak, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Murefte, Tekirdag, Tekirdag, Lapseki, Lapseki, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Enez, Enez, Silivri, Silivri, Alexandroupoli, Alexandroupoli, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Catalca, Catalca, Balikesir, Balikesir, Ezine, Ezine, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Kestanelik-??a, Kestanelik-??a, Yal??a-??a, Yal??a-??a, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Dursunbey, Dursunbey, Dursunbey, Dursunbey, Edirne, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Mitsune, Mitsune, Miyakejima3, Boso, Boso, etc.

ISC/JB 12 07:44:28.9i.3.2, 32.45N; 139.85E, h0km, mb3.6/2, mb1 3.8/3, mb1mx3.4/23, mbtmp3.5/3, ML3.3/1, M5.4/7.1, Ms1 4.7/1, ms1mx2.7/39, Error ellipse: s-maj=191.1km s-min=32.3km az=81.0

ISC/JB 12 07:44:32.0i.0.9, 33.01N; 140.05E; 140.70E; 0.07, h7.4km, 10km, mb3.9, Error ellipse: s-maj=190.0km s-min=32.3km az=81.0

JMA 12 07:44:32.8i.0.1, 33.06N; 140.72E, h5km, 5km, M3.2

ISC 12 07:44:33.2i.1.0, 33.04N; 140.05E; 140.70E; 0.07, h65km, 11km, n18, c116/27, mb3.8/2, Southeast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Mitsune, Mitsune, Miyakejima3, Boso, Boso, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Oshima3, Oshima3, Izushimoda, Odawara 2, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Tokai 2, Tokai 4, Shizuoka 3, Shimob, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Matushishiro Arr, Matushishiro Arr, Matushishiro Arr, Matushishiro Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Mitsune, Mitsune, Mitsune, Mitsune, Mitsune, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Mitsune, Mitsune, Mitsune, Mitsune, Mitsune, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Mitsune, Mitsune, Mitsune, Mitsune, Mitsune, etc.

ISC/JB 12 07:26:08.4i.0.3, 40.57N; 170.02; 27.30E; 0.03, h10km, 2km, Error ellipse: s-maj=3.5km s-min=3.2km az=39.3

NNC 12 07:46:14.7i.5.6, 50.89N; 79.09E, h13km, 28km, mb3.1

mpv2.7. Error ellipse: s-maj=51.2km s-min=35.2km az=23.0
ISC 12 07:46:13.3:2.9,50.7N:02:79.1E:0.4,h10km,n6,c086/g,
5C-5D, Eastern Kazakhstan

IDC 12 07:50:08.0:24.0,16.80S:172.46W,h0km,mb4.1/4,
mb1 4.3/1,mb1mx4.8/19,mbtmp4.1/4, Error ellipse:
s-maj=448.4km s-min=164.2km az=71.0, Samoa Islands
region

IDC 12 07:56:54.4:0.8,11:12S:120:07E,h0km,mb4.2/7,
mb1 4.3/11,mb1mx4.1/19,mbtmp4.2/11,ML4.0/4,MS2.9/1,
Error ellipse: s-maj=45.9km s-min=15.5km az=66.0
ISC/CJB 12 07:56:55.0:4.1,11:52S:104:119.80E:0.05,h33km,
mb4.1/9, Error ellipse: s-maj=8.0km s-min=4.5km
az=149.7

Code Station Name Az AZZ Phase ID Time Res
WSI Waingapu 1.85 15 Op ISC
WSI WSI 0.75 31.4 +4.2
BMNI Bima 3.11 339 P S
BMNI Bima 0.77 44.5 +0.1

s-min=14.3km az=66.0
NEIC 12 08:09:59.9:1.6,7.46S:128.78E,h13km,5km,mb4.5/11,
Error ellipse: s-maj=13.4km s-min=8.8km az=53.0
ISC/CJB 12 08:10:02.4:1.2,7.54S:0.06x128.82E:0.06,h156km,13km,
mb4.2/16, Error ellipse: s-maj=13.2km s-min=6.3km
az=43.2
DJA 12 08:10:09.8:08S:128:54E,h208km,mb4.5/9
ISC 12 08:10:05.0:1.1,7.72S:0.07x128.80E:0.07,h170km,12km,
n65,c1930/70,mb4.2/16, Banda Sea

Code Station Name Az AZZ Phase ID Time Res
MMRI Maumere 6.56 262 Op ISC
MMRI Maumere 0.9nm3um197nm,1.1s S
KDI Kendari 7.19 301 P Pn
WSI Waingapu 8.63 256 P S

Code Station Name Az AZZ Phase ID Time Res
WSI Waingapu 1.85 15 Op ISC
WSI WSI 0.75 31.4 +4.2
BMNI Bima 3.11 339 P S
BMNI Bima 0.77 44.5 +0.1

869.00000; lambda=3.00000; NP2=78.00000; 887.00000;
lambda=159.00000; Principal axes: T 5.1200, P1g13.0000,
AzM211.0000; N -0.5800, P1g69.0000; AzM85.0000; P
-4.5400, P1g17.0000; AzM305.0000; Data Used: II IU IC
GN.
ISC 12 08:12:15.0:5.5,58:88S:0.05x149:3E:0.2,h10km,n52,
c092/34,mb4.6/12,MS4.2/16, West of Macquarie
Island

Code Station Name Az AZZ Phase ID Time Res
TAU Tasmania Univ 16.03 355 Op Pn
MOO Moorlands 16.50 355 eP Pn
CASY Casuarina 19.02 231 eP Pn

IDC 12 08:19:49.5:1.1,17:05S:65:82W,h0km,mb4.1/2,
mb1 4.0/4,mb1mx3.7/18,mbtmp3.8/4,ML4.5/2.0, Central
Bolivia
Code Station Name Az AZZ Phase ID Time Res
LPAZ La Paz 2.34 289 Op Pn
LPAZ La Paz 17.0nm,0.3s,mbz=117,slow=13,SNR=2332

IDC 12 08:12:13.7:0.5,58:87S:0:05:149:3E:0.2,h10km,
mb4.6/12,MS4.2/16, Error ellipse: s-maj=18.5km
s-min=7.7km az=5.5
IDC 12 08:12:13.7:0.8,58:80S:149:26E,h0km,mb4.6/9,
mb1 4.7/9,mb1mx4.5/16,mbtmp4.6/9,MS4.2/16,
Ms1 4.2/16,ms1mx4.1/21, Error ellipse: s-maj=36.3km
s-min=16.8km az=94.0
NEIC 12 08:12:15.3:0.4,81:58S:149:18E,h10km,mb4.7/8, Error
ellipse: s-maj=15.4km s-min=7.6km az=95.0
GCMT 12 08:12:19.9:0.3,58:81S:148:30E,h12km,MW5.1,
Moment Tensor Solution. s37,c43; s72,c11; Moment
tensor: Scale 1.0Nnm, M=0.62t, Ms=2.25t,
Ms1 1.0t, Ms2 1.5t, Ms3 1.5t, Ms4 1.5t, Ms5 1.5t, Ms6 1.5t, Ms7 1.5t, Ms8 1.5t, Ms9 1.5t, Ms10 1.5t, Ms11 1.5t, Ms12 1.5t, Ms13 1.5t, Ms14 1.5t, Ms15 1.5t, Ms16 1.5t, Ms17 1.5t, Ms18 1.5t, Ms19 1.5t, Ms20 1.5t, Ms21 1.5t, Ms22 1.5t, Ms23 1.5t, Ms24 1.5t, Ms25 1.5t, Ms26 1.5t, Ms27 1.5t, Ms28 1.5t, Ms29 1.5t, Ms30 1.5t, Ms31 1.5t, Ms32 1.5t, Ms33 1.5t, Ms34 1.5t, Ms35 1.5t, Ms36 1.5t, Ms37 1.5t, Ms38 1.5t, Ms39 1.5t, Ms40 1.5t, Ms41 1.5t, Ms42 1.5t, Ms43 1.5t, Ms44 1.5t, Ms45 1.5t, Ms46 1.5t, Ms47 1.5t, Ms48 1.5t, Ms49 1.5t, Ms50 1.5t, Ms51 1.5t, Ms52 1.5t, Ms53 1.5t, Ms54 1.5t, Ms55 1.5t, Ms56 1.5t, Ms57 1.5t, Ms58 1.5t, Ms59 1.5t, Ms60 1.5t, Ms61 1.5t, Ms62 1.5t, Ms63 1.5t, Ms64 1.5t, Ms65 1.5t, Ms66 1.5t, Ms67 1.5t, Ms68 1.5t, Ms69 1.5t, Ms70 1.5t, Ms71 1.5t, Ms72 1.5t, Ms73 1.5t, Ms74 1.5t, Ms75 1.5t, Ms76 1.5t, Ms77 1.5t, Ms78 1.5t, Ms79 1.5t, Ms80 1.5t, Ms81 1.5t, Ms82 1.5t, Ms83 1.5t, Ms84 1.5t, Ms85 1.5t, Ms86 1.5t, Ms87 1.5t, Ms88 1.5t, Ms89 1.5t, Ms90 1.5t, Ms91 1.5t, Ms92 1.5t, Ms93 1.5t, Ms94 1.5t, Ms95 1.5t, Ms96 1.5t, Ms97 1.5t, Ms98 1.5t, Ms99 1.5t, Ms100 1.5t, Ms101 1.5t, Ms102 1.5t, Ms103 1.5t, Ms104 1.5t, Ms105 1.5t, Ms106 1.5t, Ms107 1.5t, Ms108 1.5t, Ms109 1.5t, Ms110 1.5t, Ms111 1.5t, Ms112 1.5t, Ms113 1.5t, Ms114 1.5t, Ms115 1.5t, Ms116 1.5t, Ms117 1.5t, Ms118 1.5t, Ms119 1.5t, Ms120 1.5t, Ms121 1.5t, Ms122 1.5t, Ms123 1.5t, Ms124 1.5t, Ms125 1.5t, Ms126 1.5t, Ms127 1.5t, Ms128 1.5t, Ms129 1.5t, Ms130 1.5t, Ms131 1.5t, Ms132 1.5t, Ms133 1.5t, Ms134 1.5t, Ms135 1.5t, Ms136 1.5t, Ms137 1.5t, Ms138 1.5t, Ms139 1.5t, Ms140 1.5t, Ms141 1.5t, Ms142 1.5t, Ms143 1.5t, Ms144 1.5t, Ms145 1.5t, Ms146 1.5t, Ms147 1.5t, Ms148 1.5t, Ms149 1.5t, Ms150 1.5t, Ms151 1.5t, Ms152 1.5t, Ms153 1.5t, Ms154 1.5t, Ms155 1.5t, Ms156 1.5t, Ms157 1.5t, Ms158 1.5t, Ms159 1.5t, Ms160 1.5t, Ms161 1.5t, Ms162 1.5t, Ms163 1.5t, Ms164 1.5t, Ms165 1.5t, Ms166 1.5t, Ms167 1.5t, Ms168 1.5t, Ms169 1.5t, Ms170 1.5t, Ms171 1.5t, Ms172 1.5t, Ms173 1.5t, Ms174 1.5t, Ms175 1.5t, Ms176 1.5t, Ms177 1.5t, Ms178 1.5t, Ms179 1.5t, Ms180 1.5t, Ms181 1.5t, Ms182 1.5t, Ms183 1.5t, Ms184 1.5t, Ms185 1.5t, Ms186 1.5t, Ms187 1.5t, Ms188 1.5t, Ms189 1.5t, Ms190 1.5t, Ms191 1.5t, Ms192 1.5t, Ms193 1.5t, Ms194 1.5t, Ms195 1.5t, Ms196 1.5t, Ms197 1.5t, Ms198 1.5t, Ms199 1.5t, Ms200 1.5t, Ms201 1.5t, Ms202 1.5t, Ms203 1.5t, Ms204 1.5t, Ms205 1.5t, Ms206 1.5t, Ms207 1.5t, Ms208 1.5t, Ms209 1.5t, Ms210 1.5t, Ms211 1.5t, Ms212 1.5t, Ms213 1.5t, Ms214 1.5t, Ms215 1.5t, Ms216 1.5t, Ms217 1.5t, Ms218 1.5t, Ms219 1.5t, Ms220 1.5t, Ms221 1.5t, Ms222 1.5t, Ms223 1.5t, Ms224 1.5t, Ms225 1.5t, Ms226 1.5t, Ms227 1.5t, Ms228 1.5t, Ms229 1.5t, Ms230 1.5t, Ms231 1.5t, Ms232 1.5t, Ms233 1.5t, Ms234 1.5t, Ms235 1.5t, Ms236 1.5t, Ms237 1.5t, Ms238 1.5t, Ms239 1.5t, Ms240 1.5t, Ms241 1.5t, Ms242 1.5t, Ms243 1.5t, Ms244 1.5t, Ms245 1.5t, Ms246 1.5t, Ms247 1.5t, Ms248 1.5t, Ms249 1.5t, Ms250 1.5t, Ms251 1.5t, Ms252 1.5t, Ms253 1.5t, Ms254 1.5t, Ms255 1.5t, Ms256 1.5t, Ms257 1.5t, Ms258 1.5t, Ms259 1.5t, Ms260 1.5t, Ms261 1.5t, Ms262 1.5t, Ms263 1.5t, Ms264 1.5t, Ms265 1.5t, Ms266 1.5t, Ms267 1.5t, Ms268 1.5t, Ms269 1.5t, Ms270 1.5t, Ms271 1.5t, Ms272 1.5t, Ms273 1.5t, Ms274 1.5t, Ms275 1.5t, Ms276 1.5t, Ms277 1.5t, Ms278 1.5t, Ms279 1.5t, Ms280 1.5t, Ms281 1.5t, Ms282 1.5t, Ms283 1.5t, Ms284 1.5t, Ms285 1.5t, Ms286 1.5t, Ms287 1.5t, Ms288 1.5t, Ms289 1.5t, Ms290 1.5t, Ms291 1.5t, Ms292 1.5t, Ms293 1.5t, Ms294 1.5t, Ms295 1.5t, Ms296 1.5t, Ms297 1.5t, Ms298 1.5t, Ms299 1.5t, Ms300 1.5t, Ms301 1.5t, Ms302 1.5t, Ms303 1.5t, Ms304 1.5t, Ms305 1.5t, Ms306 1.5t, Ms307 1.5t, Ms308 1.5t, Ms309 1.5t, Ms310 1.5t, Ms311 1.5t, Ms312 1.5t, Ms313 1.5t, Ms314 1.5t, Ms315 1.5t, Ms316 1.5t, Ms317 1.5t, Ms318 1.5t, Ms319 1.5t, Ms320 1.5t, Ms321 1.5t, Ms322 1.5t, Ms323 1.5t, Ms324 1.5t, Ms325 1.5t, Ms326 1.5t, Ms327 1.5t, Ms328 1.5t, Ms329 1.5t, Ms330 1.5t, Ms331 1.5t, Ms332 1.5t, Ms333 1.5t, Ms334 1.5t, Ms335 1.5t, Ms336 1.5t, Ms337 1.5t, Ms338 1.5t, Ms339 1.5t, Ms340 1.5t, Ms341 1.5t, Ms342 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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for Cerro Adams, Volcan, Buena Vista, Quepos, Cerro Gallo 2, JuntasAbangare, etc.

NEIC 12 08:29:17.5, 17.51N, 100.79W, h20km, MD3.6(MEX), After MEX.

MEX 12 08:29:17.5-0.7, 17.51N-100.79W, h20km, 35km, MD3.6, Guerrero

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for Zihuatanejo, El Cayaco, Acapulco, Mezcala, Popocatepeti, etc.

IDC 12 08:35:22.145.0, 15.31S-173.50W, h0km, mb4.0/3, mb1 4.1/3, mb1mx3.7/17, mbtmp4.0/3, Error ellipse: s-maj=865.9km s-min=180.2km az=78.0, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for Stephens Creek, Warramunga Arr, Alice Springs, etc.

NNC 12 08:45:28.2-9.5398N-87.08E, h11km, 19km, mb3.9, mpv3.6, 7C-6D, Error ellipse: s-maj=21.9km s-min=16.5km az=63.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for Kurchatov, Kurchatov Arra, Kurchatov, etc.

ISCJB 12 09:09:27.8-0.4, 13.50N-104.120.78E-0.07, h140km, 4km, mb3.8/10, Error ellipse: s-maj=11.6km s-min=7.3km az=171.1

IDC 12 09:09:28.2-0.5, 13.54N-121.00E, h130km, 3km, mb3.6/9, mb1 3.8/10, mb1mx3.6/22, mbtmp3.7/10, Error ellipse: s-maj=29.1km s-min=12.1km az=67.0

NEIC 12 09:09:28.6-0.7, 13.56N-121.04E, h135km, 6km, mb4.4/2, Error ellipse: s-maj=19.8km s-min=7.3km az=67.0

MAN 12 09:09:29.1, 13.52N-120.71E, h110km, mb3.9, ML2.7, MS2

ISC 12 09:29:28.9-0.4, 13.50N-104.120.77E-0.07, h135km, 4km, n46, c0.95/46, mb3.8/10, 1C-1D, Mindoro

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for Lubang, Tagaytay City, Tagaytay City, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for Bolinao, Virac, Cauayan, Kappang, etc.

IDC 12 09:22:57.0-24.0, 20.04S-178.26W, h484km, 219km, mb3.7/3, mb1 3.9/3, mb1mx3.2/15, mbtmp3.7/3, Error ellipse: s-maj=167.2km s-min=98.4km az=95.0

NEIC 12 09:23:12.0-1.6, 19.35S-179.65W, h577km, 14km, mb3.9/4, Error ellipse: s-maj=40.5km s-min=33.5km az=204.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for Nonsavu, Charters Tower, Stephens Creek, etc.

BUI 12 09:33:31.3, 31.47N-104.22E, h19km, ML3.5/12, Sichuan

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

ISC 12 09:45:20.4-2.9, 12.41N-102.87W-0.4, h94km, 27km, n11, c0.52/12, mb3.8/3, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for Taguigalapa, JuntasAbangare, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for JuntasAbangare, Lajitas Array, etc.

ISCJB 12 10:01:43.5-0.6, 64.70N-103.30E-0.1, h0km, Error ellipse: s-maj=8.5km s-min=4.8km az=3.8

IDC 12 10:01:43.3-1.1, 64.80N-131.98E, h0km, mb1 3.1/4, mb1mx2.9/25, mbtmp3.1/4, ML2.7/4, Error ellipse: s-maj=40.3km s-min=9.6km az=98.0

CSEM 12 10:01:44.5-0.5, 64.72N-103.72E, h2km, ML2.3, Error ellipse: s-maj=15.1km s-min=7.7km az=95.0, Mining explosion.

HEL 12 10:01:45.0-0.4, 64.69N-103.73E, h0km, ML2.3, ML2.2(NAO), Explosion

NAO 12 10:01:45.4-1.9, 64.67N-103.40E, ML2.2

BER 12 10:01:47.2-4.0, 64.70N-103.41E, h0km, ML2.2(NAO), Suspected explosion

ISC 12 10:01:44.7-0.6, 64.73N-103.30E-0.1, h0km, n37, c1537/61, Finland-Karelia border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for Rieikki, Maaselka, Joensuu, etc.

ISC 12 09:22:57.0-24.0, 20.04S-178.26W, h484km, 219km, mb3.7/3, mb1 3.9/3, mb1mx3.2/15, mbtmp3.7/3, Error ellipse: s-maj=167.2km s-min=98.4km az=95.0

NEIC 12 09:23:12.0-1.6, 19.35S-179.65W, h577km, 14km, mb3.9/4, Error ellipse: s-maj=40.5km s-min=33.5km az=204.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for Rovaniemi, Suominen, Apacity Array, etc.

CSEM 12 10:20:40.7, 38.67N-39.11E, h29km, MD2.6, After ISK

ISK 12 10:20:40.7, 38.67N-39.11E, h29km, MD2.6, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for Pertek, Sivrice-ELAZID, etc.

NEIC 12 10:29:20.8, 38.88S-178.52E, h27km, ML3.5(WEL), After WEL.

WEL 12 10:29:20.7-0.3, 38.93S-178.54E, h31km, 2km, ML3.5/13, Error ellipse: s-maj=2.6km s-min=1.3km az=90.0, Off east coast of North Island



Table with columns: PRGZ, Paritu Road, 0.51 270, P\*, Pb, 10 29 31.0 -0.3, etc. Includes stations like Carnagh Statio, Mahia Peninsula, etc.

CSEM 12 10:30:23.0-2.3, 33.45N x 35.56E, h2km, ML2.8, Error ellipse: s-maj=9.2km s-min=3.5km az=96.0

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

IDC 12 10:38:51.5-1.1, 38.12N x 91.18E, h0km, mb3.5/4, mb1 3.6/7, mb1mx3.4/28, mbtmp3.4/7, ML3.3/2, Error ellipse: s-maj=50.2km s-min=22.5km az=53.0

ISCJB 12 10:38:52.6-1.0, 38.33N x 91.19E, h1.0km, mb3.5/3, Error ellipse: s-maj=19.1km s-min=10.8km az=20.8

BUI 12 10:38:52.8, 38.36N, 91.01E, h13km, ML3.3/5, Error ellipse: s-maj=21.3km s-min=13.7km az=222.0

NEIC 12 10:38:56.7-1.0, 38.25N x 91.18E, h35km, mb3.4/1, Error ellipse: s-maj=21.3km s-min=13.7km az=222.0

ISC 12 10:38:54.7-1.0, 38.33N x 91.19E, h1.0km, n20, e18/19, mb3.5/3, 1C, Qinghai

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

NNC 12 10:42:04.2-2.4, 44.35N x 87.85E, h8km, 90km, mb3.7, mpv3.5, 7C-2D, Error ellipse: s-maj=93.3km s-min=41.2km az=127.0, Northern Xinjiang

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

Table with columns: VOSK, Vostochnaya, 13.94 313, Pn, 10 45 20.4 -1.4, etc. Includes stations like BVA0, Borovoye Array, etc.

IDC 12 10:46:16.3-0.6, 30.96S x 176.77W, h0km, mb4.6/14, mb1 4.8/14, mb1mx4.7/18, mbtmp4.6/14, MS3.8/13, Ms1 3.8/13, ms1mx3.6/24, Error ellipse: s-maj=23.2km s-min=18.1km az=164.0

BUI 12 10:46:16.6, 30.46S x 176.20W, h10km, mb5.5/16, mb5.4/22, MS5.2/12, Ms7.4/13, ISCJB 12 10:46:17.4, 2.5, 31.40S x 0.05, 176.77W: 0.09, h18km, 17km, mb4.9/35, MS4.1/19, Error ellipse: s-maj=13.3km s-min=6.9km az=26.7

NEIC 12 10:46:17.7, 2.0, 3.31N x 176.80W, h10km, mb5.1/20, Error ellipse: s-maj=8.9km s-min=6.6km az=121.0

MOS 12 10:46:21.4, 1.0, 30.87S x 176.93W, h33km, mb5.1/9, Error ellipse: s-maj=17.0km s-min=12.2km az=131.0

ISC 12 10:46:17.1, 2.5, 31.26S x 0.04, 176.81W: 0.08, h4km, 15km, h18km, 4.2km, P-P, P, 194, e123/119, mb4.9/35, MS4.1/19, 6C-5D, Kermadec Islands region

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

CSE 12 10:30:23.0-2.3, 33.45N x 35.56E, h2km, ML2.8, Error ellipse: s-maj=9.2km s-min=3.5km az=96.0

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

IDC 12 10:38:51.5-1.1, 38.12N x 91.18E, h0km, mb3.5/4, mb1 3.6/7, mb1mx3.4/28, mbtmp3.4/7, ML3.3/2, Error ellipse: s-maj=50.2km s-min=22.5km az=53.0

ISCJB 12 10:38:52.6-1.0, 38.33N x 91.19E, h1.0km, mb3.5/3, Error ellipse: s-maj=19.1km s-min=10.8km az=20.8

BUI 12 10:38:52.8, 38.36N, 91.01E, h13km, ML3.3/5, Error ellipse: s-maj=21.3km s-min=13.7km az=222.0

NEIC 12 10:38:56.7-1.0, 38.25N x 91.18E, h35km, mb3.4/1, Error ellipse: s-maj=21.3km s-min=13.7km az=222.0

ISC 12 10:38:54.7-1.0, 38.33N x 91.19E, h1.0km, n20, e18/19, mb3.5/3, 1C, Qinghai

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

NNC 12 10:42:04.2-2.4, 44.35N x 87.85E, h8km, 90km, mb3.7, mpv3.5, 7C-2D, Error ellipse: s-maj=93.3km s-min=41.2km az=127.0, Northern Xinjiang

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

Table with columns: MJAR, Matsushiro Arr, 79.53 325, P, P, 10 58 23.3 -1.6, etc. Includes stations like ASAJ, Asahikawa, etc.

IDC 12 10:46:16.3-0.6, 30.96S x 176.77W, h0km, mb4.6/14, mb1 4.8/14, mb1mx4.7/18, mbtmp4.6/14, MS3.8/13, Ms1 3.8/13, ms1mx3.6/24, Error ellipse: s-maj=23.2km s-min=18.1km az=164.0

BUI 12 10:46:16.6, 30.46S x 176.20W, h10km, mb5.5/16, mb5.4/22, MS5.2/12, Ms7.4/13, ISCJB 12 10:46:17.4, 2.5, 31.40S x 0.05, 176.77W: 0.09, h18km, 17km, mb4.9/35, MS4.1/19, Error ellipse: s-maj=13.3km s-min=6.9km az=26.7

NEIC 12 10:46:17.7, 2.0, 3.31N x 176.80W, h10km, mb5.1/20, Error ellipse: s-maj=8.9km s-min=6.6km az=121.0

MOS 12 10:46:21.4, 1.0, 30.87S x 176.93W, h33km, mb5.1/9, Error ellipse: s-maj=17.0km s-min=12.2km az=131.0

ISC 12 10:46:17.1, 2.5, 31.26S x 0.04, 176.81W: 0.08, h4km, 15km, h18km, 4.2km, P-P, P, 194, e123/119, mb4.9/35, MS4.1/19, 6C-5D, Kermadec Islands region

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

CSE 12 10:30:23.0-2.3, 33.45N x 35.56E, h2km, ML2.8, Error ellipse: s-maj=9.2km s-min=3.5km az=96.0

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

IDC 12 10:38:51.5-1.1, 38.12N x 91.18E, h0km, mb3.5/4, mb1 3.6/7, mb1mx3.4/28, mbtmp3.4/7, ML3.3/2, Error ellipse: s-maj=50.2km s-min=22.5km az=53.0

ISCJB 12 10:38:52.6-1.0, 38.33N x 91.19E, h1.0km, mb3.5/3, Error ellipse: s-maj=19.1km s-min=10.8km az=20.8

BUI 12 10:38:52.8, 38.36N, 91.01E, h13km, ML3.3/5, Error ellipse: s-maj=21.3km s-min=13.7km az=222.0

NEIC 12 10:38:56.7-1.0, 38.25N x 91.18E, h35km, mb3.4/1, Error ellipse: s-maj=21.3km s-min=13.7km az=222.0

ISC 12 10:38:54.7-1.0, 38.33N x 91.19E, h1.0km, n20, e18/19, mb3.5/3, 1C, Qinghai

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, etc. Includes stations like CN2, Chanchung, etc.

NNC 12 10:42:04.2-2.4, 44.35N x 87.85E, h8km, 90km, mb3.7, mpv3.5, 7C-2D, Error ellipse: s-maj=93.3km s-min=41.2km az=127.0, Northern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, etc. Includes stations like CD2, Chengdu, etc.



Table with columns: MOA, Mollin, 161.40 336, PKPab, PKPab, 11 07 03.3 -0.4. Includes stations like HHC, ILAR, LZH, etc.

Table with columns: MOA, Mollin, 161.40 336, PKPab, PKPab, 11 07 03.3 -0.4. Includes stations like GZr, DJES, DEVA, etc.

Table with columns: ASAR, Alice Springs, 43.64 267, P, P, 11 36 15.5 +0.8. Includes stations like WB2, WRA, WRA, etc.





12d 14h

Table with columns: Code, Station Name, Az, E, P, Time, Res, ISC. Includes stations like WRAB Tennant Creek, WB2 Warramunga Arr, ASAR Alice Springs, etc.

IDC 12 13:13.21.21.1.8, 14:24S:166:84E, h0km, mb3.8/5, mb1 4.1/6, mb1mx3.8/17, mbtmp4.0/6, ML4.9/1, MS2.9/1, MS1 2.9/1, ms1mx2.7/21, Error ellipse: s-maj=54.4km s-min=24.7km az=131.0

ISC/JB 12 13:13.25.0.1.0, 14:23S:0:07:166:6E:0:1, h33km, mb3.8/5, Error ellipse: s-maj=18.7km s-min=7.6km az=158.6

NEIC 12 13:13.26.6.1.0, 14:26S:166:80E, h35km, Error ellipse: s-maj=22.1km s-min=14.0km az=84.0

ISC 12 13:13.27.5.1.0, 14:19S:0:09:166:6E:0:2, h38km, n14, e101/18, mb3.8/5, Vanuatu Islands

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

IDC 12 13:25:52.6.0.4, 14:18S:166:77E, h36km, mb4.1/15, mb1 4.2/17, mb1mx4.1/21, mbtmp4.1/17, ML2.2/1, MS4.0/0, MS1 4.0/10, ms1mx3.7/26, Error ellipse: s-maj=28.4km s-min=17.0km az=90.0

NEIC 12 13:25:53.6.0.9, 14:24S:166:70E, h51km, mb4.6/9, Error ellipse: s-maj=8.2km s-min=7.5km az=191.0

ISC 12 13:25:53.1.1.1, 14:23S:0:05:166:6E:0:06, h45km, n10km, n131km, 4.4km, P, n110, e092/62, mb4.3/22, MS4.0/9, 5C, Vanuatu Islands

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

2008 DEC

Table with columns: Code, Station Name, Az, E, P, Time, Res, ISC. Includes stations like MJAR Matushiro Arr, KSRS Karsa Arr, KSAR Wonju Arr, etc.

IDC 12 13:46:27.6.1.6, 8:25S:0:04:117:97E:0:03, h15km, mb4.1/8, Error ellipse: s-maj=5.9km s-min=4.7km az=177.5

IDC 12 13:46:27.3.1.0, 8:11S:118:02E, h10km, mb4.0/8, mb1 4.2/11, mb1mx4.1/20, mbtmp4.1/11, ML4.2/3, Error ellipse: s-maj=32.8km s-min=11.4km az=53.0

NEIC 12 13:46:28.6.0.5, 8:17S:117:91E, h10km, mb4.0/1, Error ellipse: s-maj=17.3km s-min=7.3km az=65.0

DJA 12 13:46:29.8.24S:117:91E, h11km, MLV4.5/17

ISC 12 13:46:28.5.1.8, 8:24S:0:03:117:94E:0:03, h9km, n12km, n148, e108/58, mb4.1/8, Sumbawa region

Table with columns: Code, Station Name, Az, E, P, Time, Res, ISC. Includes stations like MTNI Mataram, KHKI Kahang-Kahang, SRBI Singaraja, etc.

ISC/JB 12 14:00:02.1.0.8, 34:63N:0:07:27:03E:0:08, h33km, Error ellipse: s-maj=12.4km s-min=5.4km az=40.8

CSEM 12 14:00:02.9.0.2, 34:84N:27:02E, h80km, ML2.9, Error ellipse: s-maj=9.1km s-min=3.1km az=33.0

ATH 12 14:00:03.4, 34:65N:26:83E, h73km, 5km

HLW 12 14:00:05.9, 34:74N:27:07E, h32km, 1.3km, Md3.8, Mi2.9

ISC 12 14:00:03.9.0.8, 34:71N:0:07:26:98E:0:08, h35km, n26, e074/31, Crete

Table with columns: Code, Station Name, Az, E, P, Time, Res, ISC. Includes stations like NPS Neapolis, SIVA Sivas, GVD Gavdhos, etc.

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Table with columns: Code, Station Name, Az, E, P, Time, Res, ISC. Includes stations like BBKI Banjar Baru, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, etc.

ISC/JB 12 13:53:00.7.2.3, 20:6S:0:4:177:6W:0:3, h53km, 16km, mb3.5/7, Error ellipse: s-maj=68.6km s-min=13.7km az=148.2

IDC 12 13:53:02.3.2.5, 20:10S:177:92W, h514km, 25km, mb3.1/6, mb1 3.3/7, mb1mx3.1/16, mbtmp3.1/7, Error ellipse: s-maj=61.5km s-min=17.4km az=143.0

NEIC 12 13:53:02.2.2.1, 20:48S:177:65W, h53km, 14km, mb3.3/1, Error ellipse: s-maj=57.3km s-min=16.3km az=149.0

ISC 12 13:53:01.7.2.2, 20:50S:0:4:177:6W:0:3, h53km, 14km, n25, e121/20, mb3.5/7, Fiji Islands region

Table with columns: Code, Station Name, Az, E, P, Time, Res, ISC. Includes stations like MSVF Nonsavu, AFI Afiama, AFI Afiama, etc.

ISC/JB 12 14:00:02.1.0.8, 34:63N:0:07:27:03E:0:08, h33km, Error ellipse: s-maj=12.4km s-min=5.4km az=40.8

CSEM 12 14:00:02.9.0.2, 34:84N:27:02E, h80km, ML2.9, Error ellipse: s-maj=9.1km s-min=3.1km az=33.0

ATH 12 14:00:03.4, 34:65N:26:83E, h73km, 5km

HLW 12 14:00:05.9, 34:74N:27:07E, h32km, 1.3km, Md3.8, Mi2.9

ISC 12 14:00:03.9.0.8, 34:71N:0:07:26:98E:0:08, h35km, n26, e074/31, Crete

Table with columns: Code, Station Name, Az, E, P, Time, Res, ISC. Includes stations like NPS Neapolis, SIVA Sivas, GVD Gavdhos, etc.





12d 17h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MMAL Mount Meron Ar, AKASG Malin Array Be, etc.

IDC 12 16:03:23.8.0.7, 33:52S; 179:61W, h0km, mb4.4/7, mb1.4/6.7, mb1mx4.3/16, mbmtmp4.4/7, Error ellipse: s-maj=32.7km s-min=23.1km az=15.0

ISCJB 12 16:03:27.0.6.34, 11:51.0; 179:9W.0.1, h33km, mb4.4/11, Error ellipse: s-maj=13.6km s-min=5.1km az=12.0

NEIC 12 16:03:31.8.1.4, 34:03S; 179:85W, h55km, mb4.0, mb4.5/4, Error ellipse: s-maj=17.1km s-min=12.9km az=121.0

ISC 12 16:03:30.5.0.7, 34:08OS; 0.04:180W.0.1, h35km, n85, e1847/67, mb4.4/10, South of Kermadec Islands

Main table for 12d 17h section, listing various stations and their coordinates, phases, and times.

2008 DEC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AKASG Malin Array Be, TORAD Torodi Ar, etc.

ISCJB 12 16:11:36.4.4.6, 16:6S; 0.2:171.2E; 0.3, h59km, 25km, mb4.3/8, Error ellipse: s-maj=57.6km s-min=22.4km az=157.9

IDC 12 16:11:36.4.3.3.0, 17:89S; 170:80E, h0km, mb4.5/4, mb1.4/7.4, mb1mx4.0/16, mbmtmp4.5/4, Error ellipse: s-maj=57.8km s-min=10.12km az=77.0

NEIC 12 16:11:37.8.4.1, 16:56S; 171:25E, h58km, 21km, mb4.0/5, Error ellipse: s-maj=51.1km s-min=21.9km az=68.0

ISC 12 16:11:38.4.3.9, 16:6S; 0.2:171.2E; 0.3, h60km, 19km, n17, e0599/18, mb4.3/8, Vanuatu Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumak, NOUC Port Laguerre, etc.

IDC 12 16:11:50.8.1.2, 21:71S; 177:38W, h0km, mb3.9/5, mb1.4/2.6, mb1mx3.9/16, mbmtmp4.0/6, ML4.4/1, Error ellipse: s-maj=58.4km s-min=25.0km az=145.0, Fiji

ISCJB 12 16:11:50.8.1.2, 21:71S; 177:38W, h0km, mb3.9/5, mb1.4/2.6, mb1mx3.9/16, mbmtmp4.0/6, ML4.4/1, Error ellipse: s-maj=58.4km s-min=25.0km az=145.0, Fiji

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

ISCJB 12 16:50:46.5.0.37S; 80:34W, h12km, 8km, Mb4.0, Ms3.8, 1C-2D, Error ellipse: s-maj=8.7km s-min=6.0km az=5.3, Near coast of Ecuador

Main table for 2008 DEC section, listing various stations and their coordinates, phases, and times.

ISCJB 12 16:56:28.1.0.6.50, 26N; 0.03:181E; 0.03, h0km, Error ellipse: s-maj=5.1km s-min=2.6km az=23.4

WAR 12 16:56:29.7.50:24N; 18:92E CSEM 12 16:56:29.1.0.2.50:27N; 18:85E, h1km, ML2.8/4, Error ellipse: s-maj=5.1km s-min=2.6km az=15.0

PRU 12 16:56:30.7.50:22N; 18:84E, h0km ISC 12 16:56:29.7.50:23N; 0.03:181E; 0.03, h0km, n31, e1505/52, 1C, Poland

Main table for 2008 DEC section, listing various stations and their coordinates, phases, and times.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KOLS Kolonische sedl, PVCC Panska Ves, etc.

IDC 12 17:03:37.8.1.3, 10:19S; 112:07E, h0km, mb3.5/7, mb1.3/7.7, mb1mx3.6/17, mbmtmp3.6/7, Error ellipse: s-maj=62.9km s-min=18.2km az=56.0

NEIC 12 17:03:42.9.0.8, 10:22S; 112:06E, h35km, Error ellipse: s-maj=43.3km s-min=11.9km az=61.0

ISCJB 12 17:03:42.3.2.1.1, 9:90S; 0.1:112.9E; 0.1, h47km, 12km, mb3.5/7, Error ellipse: s-maj=20.0km s-min=12.5km az=140.1

DJA 12 17:03:45.9.62S; 112:87E, h15km, MLV3.7/6 ISC 12 17:03:45.7.1.1, 9:75S; 0.10:112.8E; 0.1, h42km, 11km, n22, e1906/22, mb3.5/7, South of Jawa

Main table for 506 section, listing various stations and their coordinates, phases, and times.

TIF 12 17:06:12.6.40:36N; 44:87E, h17km, 2km CSEM 12 17:06:12.8.0.4, 40:30N; 44:80E, h2km, ML2.8, Error ellipse: s-maj=8.4km s-min=5.6km az=137.0

NSPP 12 17:06:12.4.40:37N; 44:85E, h15km, Ms2.8 ISCJB 12 17:06:13.4.0.6.40:27N; 0.02:44:79E; 0.03, h7km, 5km, Error ellipse: s-maj=4.5km s-min=4.2km az=164.4

ISC 12 17:06:14.0.0.5.40:26N; 0.03:44:77E; 0.03, h15km, 4km, n33, e18/66, 19C-12D, Turkey-Georgia-Armenia border region

Main table for 506 section, listing various stations and their coordinates, phases, and times.

NEIC 12 17:19:18.4.2.1.5.08S; 147:64E, h80km, 19km, mb4.4/3, Error ellipse: s-maj=16.4km s-min=13.7km az=136.0

IDC 12 17:19:22.9.4.6.5.06S; 147:45E, h13km, 48km, mb3.6/5, mb1.3/8.7, mb1mx3.6/16, mbmtmp3.6/7, MS3.4/7, M1 3/4.7, ms1mx3.7/18, Error ellipse: s-maj=48.3km s-min=27.6km az=128.0

ISC 12 17:19:19.9.2.9.15.01:147:5E.0.1, h90km, 27km, n32, e1807/26, mb4.0/7, Eastern New Guinea region

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



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Port Moresby, Honiara, Guam, Tennant Creek, Warramunga Arr, etc.

GUC 12 17:19:35.0-1.0,33:13S:70:37W,h13km,2km,MD3.5, ML2.5,3C-2D,Chile-Argentina border region

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

IDC 12 17:30:51.8-1.9,31:28S:176:90W,h0km,mb3.7/2, mb1 4/1,mb1mx3.9/17,mbtmpp4.0/4,ML4.1/2,MS3.9/1, Ms1 3.9/1,ms1mx2.8/28,Error ellipse: s-maj=44.7km s-min=33.7km az=113.0

NEIC 12 17:30:52.4-1.5,31:23S:176:87W,h10km,mb4.4/3,Error ellipse: s-maj=31.5km s-min=14.1km az=92.0

ISCJB 12 17:30:54.8-1.2,31:26S:170:17W,1W:0.2,h33km, mb4 1/5,Error ellipse: s-maj=23.8km s-min=10.5km az=5.2

ISC 12 17:30:56.4-1.2,31:16S:0:07:17W:0.0,2,h35km,n20, s=127/21,mb4.15,Kermadec Islands region

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

IDC 12 17:35:27.1-1.5,5:00S:146:97E,h0km,mb3.6/3, mb1 3.8/5,mb1mx3.6/16,mbtmpp3.6/5,ML3.6/1,MS2.9/1, Ms1 2.9/1,ms1mx2.5/26,Error ellipse: s-maj=50.8km s-min=23.7km az=112.0,Eastern New Guinea region

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

NEIC 12 17:39:04.1,38:88S:178:17E,h28km,ML3.5(WEL),After WEL

WEL 12 17:39:04.2-0.2,38:88S:178:15E,h27km,1km,ML3.5/8, Error ellipse: s-maj=1.9km s-min=0.9km az=90.0,Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Paritu Road, Mahia Peninsula, Matawai, etc.

IDC 12 17:52:29.8-1.8,31:22S:176:78W,h0km,mb3.9/2, mb1 4.2/3,mb1mx3.9/16,mbtmpp3.9/3,ML3.7/1,MS3.3/2, Ms1 3.2/2,ms1mx2.8/31,Error ellipse: s-maj=44.6km s-min=35.6km az=121.0,Kermadec Islands region

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

IDC 12 17:52:36.2-1.4,26:39N:93:25E,h0km,mb3.5/4, mb1 3.5/5,mb1mx3.3/26,mbtmpp3.4/5,ML3.1/1,MS3.0/1, MS1 3.0/1,ms1mx2.2/27,Error ellipse: s-maj=152.0km s-min=20.4km az=45.0

ISC 12 17:52:37.4-1.9,26:34N:0:07:93E,0.1,h8km,32km,n10, s=093/11,mb3.75,Northeastern India

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

SOF 12 17:53:57.0,39:27N:23:69E,h2km,MD3.5

IDC 12 17:53:60.0-0.8,39:37N:23:56E,h0km,mb3.8/12, mb1 3.8/17,mb1mx3.8/29,mbtmpp3.7/17,ML3.3/5,MS3.1/6, Ms1 3.2/6,ms1mx2.8/44,Error ellipse: s-maj=15.2km s-min=13.4km az=108.0

NEIC 12 17:54:01.7-2.4,39:41N:23:53E,h12km,16km,mb4.2/4, Error ellipse: s-maj=6.4km s-min=5.4km az=49.0

ISCJB 12 17:54:02.4-0.3,39:48N:0:01:23:68E:0.02,h12km,2km, mb3.8/15,MS3.1/3,Error ellipse: s-maj=2.2km s-min=0.9km az=30.0

ATH 12 17:54:02.1,39:49N:23:72E,h28km,1km,ML3.9

CSEM 12 17:54:03.4-0.1,39:46N:23:62E,h15km,mb3.9/12,Error ellipse: s-maj=2.4km s-min=2.1km az=122.0

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

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

ISC 12 17:54:03.4-0.3,39:47N:0:01:23:63E:0.02,h14km,2km, n387,s180/447,mb3.8/15,MS3.1/3,8C-22D,Aegean Sea

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

Table with columns: Station Name, Frequency, Mode, and other parameters. Includes stations like CHOS Chios island, NEST Nestorio, ENEZ Enez, etc.

Table with columns: Station Name, Frequency, Mode, and other parameters. Includes stations like GZR Gura Zlata, VOIR VOIR, TIRR Tirusor, etc.

Table with columns: Station Name, Frequency, Mode, and other parameters. Includes stations like ZALV Zalesovo Beam, SONM Songino Array, ULN Ulanbaatar, etc.

IDC 12 18:13:18.4±2.8,33:53S×178:70W,h0km,mb4.1/2, mb1 4.3/3,mb1mx3.9/1.5,mbtmq4.1/3,ML4.0/1,Error ellipse: s-maj=67.1km az=120.0, South of Kermadec Islands

Table with columns: Code, Station Name, Frequency, Mode, Phase ID, Time, Res. Includes stations like URZ Urewera, ARS Arica Springs, WRA Warramunga Arr, etc.

ISCJB 12 18:21:18.7±1.0,27:11N±0.09±140E:0.3,h397km±13km, mb3.3/4, Error ellipse: s-maj=48.0km s-min=11.8km

JDC 12 18:21:19.0±3.0,27:17N±140E,h216km,M3.6, IDC 12 18:21:19.3±1.1,27:12N±140E,h386km,14km,mb3.1/4, mb1 3.3/4,mb1 s-min=24.6km az=89.0

ISC 12 18:21:20.2±0.9,27:19N±140E:0.3,h394km±12km, n12,±0:82/15,mb3.3/4,Bonin Islands region

Table with columns: Code, Station Name, Frequency, Mode, Phase ID, Time, Res. Includes stations like CBUJ Chichi jima, JHUJ Haha-jima-NKT, JHUJ Mitsune, etc.

NIED 12 18:37:00,32:80N±141:40E,h29km,Mw3.5 Best double couple: M2.23000×10^14 NP1±250.00000°,δ76.00000°, λ155.00000°, NP2±347.00000°,δ66.00000°, λ16.00000°

ISCJB 12 18:37:50.5±0.9,32:69N±141:41E:0.1,h51km±11km, mb3.8/5, Error ellipse: s-maj=18.4km s-min=7.0km

JMA 12 18:37:50.3±0.3,32:76N±141:41E,h27km,M3.6, IDIC 12 18:37:50.5±2.8,32:22N±140:18E,h0km,mb3.7/4, mb1 3.8/6,mb1mx3.6/2.4,mbtmq3.8/6,ML3.8/2, Error ellipse: s-maj=114.3km s-min=19.8km az=68.0

NEIC 12 18:37:53.0±0.5,32:31N±140:26E,h20km,mb4.2/3, Error ellipse: s-maj=15.9km s-min=7.4km az=77.0

ISC 12 18:37:51.1±0.9,32:67N±141:51E:0.1,h36km±11km, n33,±0:80/42,mb3.8/5,Southeast of Honshu

Table with columns: Code, Station Name, Frequency, Mode, Phase ID, Time, Res. Includes stations like CBUJ Chichi jima, JHUJ Haha-jima-NKT, JHUJ Mitsune, etc.



Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like BMAS Triglat station, ARRY Array, PAT1 Patacocha, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Phase ID, Time Res, and other parameters. Includes stations like KKN Kakani, DMN Daman, GUN Daman, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like TWD baz=278, ENA Nanau, ENA baz=300, etc.













Table with columns: Code, Station Name, Az, Alt, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NB2, NOA, TUC, SCHG, etc.

Table with columns: Code, Station Name, Az, Alt, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KIB, TZO, CZD, etc.

Table with columns: Code, Station Name, Az, Alt, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ROSC, JTS, JTS, etc.

MDD 13 01:40:41.1, 1.0, 32.29N, 110km, 7km, mb3.8/B, Error ellipse: s-maj=6.7km s-min=4.7km az=3.0, PRXIMO INMG 13 01:40:42.9, 1.0, 32.43N, 5.58W, h16km, 5km, ML2.4, Error ellipse: s-maj=5.9km s-min=4.7km az=8.0, CSEM 13 01:40:45.2, 0.4, 32.69N, 5.63W, h10km, mb3.8/B, Error ellipse: s-maj=8.2km s-min=6.5km az=49.0, ISC 13 01:40:42.4, 0.7, 32.40N, 0.04, 5.70W, 0.04, h27km, 5km,

CASC 13 01:50:49.2, 2.1, 1418N, 91.54W, h86km, 11km, MD3.5, 1C, Guatemala

Table with columns: Code, Station Name, Az, Alt, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JAT, FUG, FUG, etc.

ISC 13 02:12:33.7, 1.0, 7.03N, 79.46W, h0km, mb3.6/7, mb1.3/9/8, mb1mx3.8/20, mbtmp3.6/8, ML3.7/1, MS3.1/4, Mst 1.3/1/4, mb1mx2.9/30, Error ellipse: s-maj=49.2km s-min=20.7km az=54.0, ISCJB 13 02:12:37.6, 2.7, 7.20N, 0.06, 79.36W, h2km, 21km, mb3.7/12, MS3.0/2, Error ellipse: s-maj=11.4km s-min=8.1km az=44.9, NEIC 13 02:12:40.1, 3.0, 7.18N, 79.43W, h34km, 23km, mb3.8/6, Error ellipse: s-maj=14.6km s-min=9.2km az=56.0, ISC 13 02:12:40.7, 1.0, 7.20N, 0.06, 79.41W, 0.06, h35km, 11km, n32, e1910/31, mb3.7/12, MS3.0/2, South of Panama Code Station Name Az Alt Phase ID Op ISC Time Res h m s ISC

IDC 13 02:31:47.6, 4.9, 20.19S, 176.32W, h0km, mb3.5/3, mb1.3/9/4, mb1mx3.7/17, mbtmp3.7/4, ML2.7/1, Error ellipse: s-maj=210.3km s-min=24.8km az=140.0, Fiji Islands region

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

ISC 13 03:11:22.5, 39.40N, 41.15E, h5km, MD3.2

ISCJB 13 03:11:23.4, 0.4, 39.43N, 0.02, 41.13E, 0.03, h2km, 5km, Error ellipse: s-maj=4.3km s-min=3.3km az=8.0, CSEM 13 03:11:23.6, 0.1, 39.40N, 41.15E, h2km, MD3.2, Error ellipse: s-maj=3.8km s-min=2.9km az=39.0, DDA 13 03:11:23.9, 39.42N, 41.16E, h7km, 4km, MD3.0, ISC 13 03:11:24.2, 0.4, 39.43N, 0.02, 41.14E, 0.03, h7km, 4km, n39, e071/53, Turkey Code Station Name Az Alt Phase ID Op ISC Time Res h m s ISC

13d 5h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TUTA, AGRB, PTK, BEST, KELT, etc.

IDC 13 04:19:01.4:3.0,31.325x176.78W,h0km,mb3.7/2, mb1 4.0/3,mb1mx3.8/16,mbtmp3.8/3,ML3.2/1, Error ellipse: s-maj=75.6km s-min=36.3km az=121.0, Kermadec Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like URZ, ASAR, WRA, FINES, TRN.

TRN 13 04:29:21.7,15:30N,61.48W,h145km,MD3.7,M3.1(FDF), M3.1(FDF),2D,Leeward Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MDN, DPMT, DBCT, DFBT, etc.

TAP 13 04:30:16.3,23:52N,120.45E,h10km,ML2.3,C,Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CHY, CHN2, CHN4, CHN5, etc.

IDC 13 05:34:40.1:3.6,19.17N,146.12E,h0km,mb4.0/4, mb1 4.1/4,mb1mx3.6/21,mbtmp4.0/4, Error ellipse: s-maj=167.2km s-min=26.7km az=85.0, Mariana Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA, ASAR, KURK, FINES.

NEIC 13 05:42:37.2, 16:59N,99:77W,h1km,MD3.5(MEX), After MEX: MEX 13 05:42:38.6:0.3,16:59N,99:72W,h6km,2km,MD3.6,Near coast of Guerrero

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

2008 DEC

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

NEIC 13 05:46:38.8,44:57N,6:94E,h2km,ML2.6(LDG), After LDG. GEN 13 05:46:38.3,44:53N,6:84E,h6km,ML2.2, ROM 13 05:46:38.5:0.2,44:55N,6:92E,h10km,MD2.9,M2.2/6, Error ellipse: s-maj=3.0km s-min=1.2km az=60.0, ISCJB 13 05:46:38.4:0.2,44:58N,0:01,6:91E,0:03,h25km,2km, Error ellipse: s-maj=3.5km s-min=2.1km az=155.8, STR 13 05:46:38.6:0.1,44:56N,6:90E,h5km,ML2.5, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0, CSEM 13 05:46:38.2:0.1,44:56N,6:89E,h15km,ML2.6/3, Error ellipse: s-maj=2.1km s-min=1.4km az=54.0, LDG 13 05:46:38.8:0.0,44:57N,6:94E,h2km,MD2.4/3,ML2.6/30, Error ellipse: s-maj=1.1km s-min=0.6km az=64.0, ISC 13 05:46:38.2:0.2,44:57N,0:01,6:88E,0:02,h16km,1km, n145,0:08/279,4C,France

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SURF, MBDF, PZZ, PZZ, PZZ, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SMRF, TRAV, PCP, PCP, PCP, etc.

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Table with columns: RUF, Les Rejaudoux, 3.88 283, eSg, Sg, 05 47 48.14 -1.3, etc.

IDC 13 05:57:33.1s9.7.36:08N:70:51E, h186km, 103km, mb3.3/4, mb1 3.2/8, mb1mx3.0/28, mbtbp3.1/8, MS3.4/1, Ms1 3.4/2, ms1mx2.6/24, Error ellipse: s-maj=57.0km s-min=47.7km az=115.0

NNC 13 05:57:34.3s7.4.36:83N:70:12E, h0km, mb4.2, mpv4.0, Error ellipse: s-maj=65.1km s-min=48.6km az=164.0

ISCJB 13 05:57:36.2s0.4.36:46N:0:04:70.42E:0.07, h207km, 7km, mb3.4/3, Error ellipse: s-maj=9.4km s-min=5.5km az=161.1

NEIC 13 05:57:37.0s0.6.36:46N:70:51E, h191km, 9km, mb4.6/13, Error ellipse: s-maj=10.3km s-min=4.9km az=62.0

ISC 13 05:57:37.1s0.4.36:47N:0:04:70.45E:0.07, h199km, 7km, n51, c097/55, mb3.4/3, 4C-5D, Hindu Kush region

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC, etc.

ISCJB 13 06:02:24.0s0.1.46:52N:0:01:10:10E:0.01, h10km, Error ellipse: s-maj=1.4km s-min=1.2km az=170.4

ZUR 13 06:02:23.9.46:50N:10:06E, h1km, ML3.3/19, NEIC 13 06:02:23.9.46:50N:10:06E, h1km, ML3.3(ZUR), ML2.9(ROM), After ZUR.

NEIC Felt (V) at Livigno, ROM 13 06:02:23.0s0.2.46:52N:10:04E, h5km, 2km, Md3.0/19, M2.9/7, Error ellipse: s-maj=2.3km s-min=1.8km az=2.0

VIE 13 06:02:23.6s0.1.46:49N:10:09E, h8km, 1km, mb2.6/9, ML3.4/11, Error ellipse: s-maj=0.9km s-min=0.6km az=3.0

PRU 13 06:02:24.2.46:49N:10:12E, h0km, GEN 13 06:02:24.7.46:53N:10:05E, h5km, ML3.1

CSEH 13 06:02:24.5s0.1.46:51N:10:12E, h2km, ML3.5/32, Error ellipse: s-maj=1.9km s-min=1.5km az=175.0

LDG 13 06:02:25.6s0.1.46:62N:10:28E, h2km, M3.4/31, Error ellipse: s-maj=2.1km s-min=2.1km az=112.0

BGR 13 06:02:26.1s0.5.46:53N:10:10E, h10km, ML3.3/9, Error ellipse: s-maj=6.7km s-min=4.4km az=18.0

STR 13 06:02:27.9s0.3.46:59N:9:96E, h5km, M3.4, Error ellipse: s-maj=0.0km s-min=0.0km az=9.0

ISC 13 06:02:24.7s0.2.46:51S:0:01:10:10E:0.01, h1km, 1km, n320, c117/548, 25C-44D, Northern Italy

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC, etc.

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC, etc.





Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like ONI, ARNR, GRO, DIGR, DBC, LBSN, LSNR.

GUC 13 06:09:42.5,0.6,21.375:69.98W,h40km,4km,ML3.7, 1C-4D, Northern Chile

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like PB07, PB01, MACH, PB04, PSGC, MECH, MNMC, SPCH.

ISCJB 13 06:13:42.7,0.3,27.03N,0.04,102.67E,0.04,h10km, mb3.9/15, Error ellipse: s-maj=5.3km s-min=4.5km az=28.9

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like KMI, GYA, CD2, XAN, CMAR, JIRN, GUN, PKI, KKN, DMN, DANN, KOLN.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like KOLN, SONM, SONM, SONM, ZAK, MK31, MK31, MKAR, MKAR, MKAR, KURK, KURK, KURK, ZALV, ZALV, ZALV, MJAR, BVAR, BVAR, BVAR, AKTO, AKTO, AKTO, WRAB, WRAB, WRAB, WRA, WRA, WRA, ASAR, ASAR, ASAR, AKASG, AKASG, AKASG, FINES, FINES, FINES, ARCES, ARCES, ARCES, NOA, NOA, NOA, GERES, GERES, GERES.

IDC 13 06:17:28.1,0.6,32.35S:69.36W,h105km,41km,mb3.4/1, mb1 3.4/3, mb1mx3.2/13, mbtmp3.2/3, Error ellipse: s-maj=93.4km s-min=37.9km az=94.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like JACH, PTCH, PEL, ROCH, CLCH, LACH, FSR, SAN, SAN, CHNG, ANTU, ANTU, ANTU, PCH, PCH, PCH, LME, LME, TACH, IHA, CHCH, CACH, CACH, LPAZ, TORO, TORO, TORO, KURK, ZALV, ZALV.

IDC 13 06:22:02.5,1.5,18.79S:0.09,176.55W,0.09, h270km,16km,mb4.0/15, Error ellipse: s-maj=16.5km s-min=11.4km az=142.9

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like JACH, PTCH, PEL, ROCH, CLCH, LACH, FSR, SAN, SAN, CHNG, ANTU, ANTU, ANTU, PCH, PCH, PCH, LME, LME, TACH, IHA, CHCH, CACH, CACH, LPAZ, TORO, TORO, TORO, KURK, ZALV, ZALV.

mb3.9/11, mb1 4.1/12, mb1mx3.9/19, mbtmp3.9/12, Error ellipse: s-maj=19.9km s-min=12.6km az=138.0, NEIC 13 06:22:06.4,1.2,18.81S:176.43W,h300km,11km,mb4.4/8, Error ellipse: s-maj=17.7km s-min=11.1km az=158.0, ISC 13 06:22:03.3,1.4,18.8S:0.1x176.53W,0.09,h264km,16km, n80,0x75/43,mb4.0/15,7C-4D, Fiji Islands region

Large table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like MSVF, AFI, AFI, RAR, RAR, RAR, URZ, URZ, URZ, ARMA, CTA, CTA, CTAO, PMG, PMG, STKA, STKA, WB2, WRAB, WRA, WRA, WRA, ASAR, ASAR, ASAR, FITZ, FITZ, MJAR, MJAR, GSPA, NVAR, NVAR, TXAR, COLA, ILAR, ILAR, CMAR, YKA, YKA, ZALV, ZALV, MKAR, MKAR, KURK, KURK, KURK, ARCES, ARCES, ARCES, NOA, NOA, NOA, GERES, GERES, GERES, FINES, FINES, FINES, KWP, BUR08, BUR08, STKS, TESR, BRG, KRLO, MORC, PVCC, KECS, MLR, PRU, NYHC, VYHS, DRG, GERES, GERES, PKSM, VTS, TORO, TORO.

NIED 13 07:20:00,38.40N:143.50E,h26km,Mw4.7 Best double couple: M1.20000x1016 N1.1800000x558.00000x7.870.00000. NP2=203.00000,833.00000,7.94.00000, ISCJB 13 07:20:44.0,0.9,38.47N:0.03,143.36E,0.03,h2km,5km, mb4.5/54,MS4.3/38, Error ellipse: s-maj=5.7km s-min=4.3km az=154.8, JMA 13 07:20:43.1,0.1,38.45N:143.49E,h9km,3km,M4.8, JMA 13 07:20:45.7,0.7,38.44N:143.04E,h10km,mB4.1/17, MB1 4.1/19, mb1mx3.4/25, mbtmp4.2/19, ML3.9/2,MS4.1/19, MS1 4.1/19, ms1mx3.9/39, Error ellipse: s-maj=19.5km s-min=15.3km az=100.0, BUI 13 07:20:47.9,38.57N:143.04E,h19km,MB5.0/34,mb4.8/50, MS4.6/48,MS7.4/47, MOS 13 07:20:49.4,1.0,38.48N:143.20E,h37km,mb4.9/33, MS4.2/17, Error ellipse: s-maj=9.6km s-min=6.2km az=117.6, NEIC 13 07:20:51.3,0.8,38.47N:143.17E,h37km,6km,mb4.8/17,

MW4.7(NIED), Error ellipse: s-maj=8.1km s-min=5.6km az=111.0

NEIC Recorded [1 JMA] in Iwate and Miyagi.

ISC 13 07:20:46.9:1.0,38.50N,0.003:143.24E,0.003,17km,6km, h31km,1.8km;p-P,197,0.191/022,mb4.54,MS4.3/38, 3C-8D, Off east coast of Honshu

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

Main table listing seismic stations (SSE, S, SSe, SSS, etc.) and their recorded data (Time, Res, ISC, Az, Phase ID). Includes stations like Nanjing, Beijing, Wuhan, Lanzhou, etc.

Table listing stations (BILB, GUYANG, CHENGDU, etc.) and their recorded data (Time, Res, ISC, Az, Phase ID). Includes stations like Bilibino, Guiyang, Chengdu, Gaotai, etc.





BUM Brajici-Budva	4.55 323	fl/Pn	Pn	08 28 29.3 +0.5	BBL5	Lazi&#263;i	6.68 336	ePn	Sn	08 29 47.5 -1.5	SVRH	Sivrihisar-ESK	7.00 81	ePn	Pn	08 29 04.7 +2.4
BUM Zavojski	4.56 11	fl/Pn	Sn	08 29 22.0 +0.6	BBL5	Lazi&#263;i	6.68 336	ePn	Sn	08 28 45.6 +1.4	SVRH	Sivrihisar-ESK	7.00 81	ePn	Pn	08 29 04.7 +2.4
ZAPS Zavojski	4.56 11	fl/Pn	Sn	08 29 25.0 +0.7	BBL5	Lazi&#263;i	6.68 336	ePn	Sn	08 29 47.5 -1.5	PGOR	Pogonanele	7.01 27	fl/Pn	Pn	08 29 04.8 +2.3
TIP Timpagrande	4.56 278	ePn	Pn	08 28 29.4 +0.5	GLHS	Gilhisar (BURDU	5.69 104	ePn	Pn	08 28 46.6 +2.3	PGOR	Pogonanele	7.01 27	fl/Pn	Pn	08 29 04.8 +2.3
TIP Timpagrande	4.56 278	ePn	Pn	08 28 29.2 +0.3	GLHS	Gilhisar (BURDU	5.69 104	ePn	Pn	08 28 46.6 +2.3	MIDA	Miranda	7.01 297	fl/Pn	Pn	08 29 03.7 +1.2
TIP Timpagrande	4.56 278	ePn	Pn	08 28 29.2 +0.3	GLHS	Gilhisar (BURDU	5.69 104	ePn	Pn	08 28 46.6 +2.3	MIDA	Miranda	7.01 297	fl/Pn	Pn	08 29 03.7 +1.2
IVA Berane	4.63 335	fl/Pn	Sn	08 28 30.8 +1.0	GOLH	Golhisar	5.71 103	iP	Pn	08 28 47.5 +2.8	WDD	Wield Dalam	7.02 249	ePn	Pn	08 29 03.5 +0.8
IVA Berane	4.63 335	fl/Pn	Sn	08 29 24.1 +0.9	DIVS	Divibare	5.72 341	iP	Pn	08 28 44.4 -0.4	WDD	Wield Dalam	7.02 249	ePn	Pn	08 29 03.5 +0.8
BEY Berane	4.63 335	fl/Pn	Sn	08 28 30.8 +1.0	DIVS	Divibare	5.72 341	iP	Pn	08 28 44.4 -0.4	ISR	Istrita	7.05 24	fl/Pn	Pn	08 29 05.0 +2.0
BEY Berane	4.63 335	fl/Pn	Sn	08 29 24.1 +0.9	DIVS	Divibare	5.72 341	iP	Pn	08 28 44.4 -0.4	ISR	Istrita	7.05 24	fl/Pn	Pn	08 29 05.0 +2.0
BEY Berane	4.63 335	fl/Pn	Sn	08 28 30.8 +1.0	DIVS	Divibare	5.72 341	iP	Pn	08 28 44.4 -0.4	ISR	Istrita	7.05 24	fl/Pn	Pn	08 29 05.0 +2.0
SELS Selva	4.64 347	fl/Pn	Pn	08 28 29.2 -0.7	DIVS	Divibare	5.72 341	iP	Pn	08 28 44.4 -0.4	MSC	Monte Massico	7.06 293	Pn	Pn	08 29 04.0 +0.8
KULA Kula-Manisa	4.77 90	ePn	Pn	08 28 33.7 +2.0	DIVS	Divibare	5.72 341	iP	Pn	08 28 44.4 -0.4	MSC	Monte Massico	7.06 293	Pn	Pn	08 29 04.0 +0.8
CRLT Corlu	4.64 57	ePn	Pn	08 28 30.8 +0.8	DIVS	Divibare	5.72 341	iP	Pn	08 28 44.4 -0.4	RFI	Roccamonfina	7.08 294	Pn	Pn	08 29 04.2 +0.7
CRLT Corlu	4.64 57	ePn	Pn	08 28 30.8 +0.8	DIVS	Divibare	5.72 341	iP	Pn	08 28 44.4 -0.4	RFI	Roccamonfina	7.08 294	Pn	Pn	08 29 04.2 +0.7
MANT Manisa	4.69 91	iP	Pn	08 28 31.7 +1.1	BULG	Bulgheria - Ca	5.74 286	Pn	Pn	08 28 46.7 +1.6	RNI2	Rionero Sannit	7.11 298	Pn	Pn	08 29 06.5 +2.7
MANT Manisa	4.69 91	iP	Pn	08 28 31.7 +1.1	BULG	Bulgheria - Ca	5.74 286	Pn	Pn	08 28 46.7 +1.6	RNI2	Rionero Sannit	7.11 298	Pn	Pn	08 29 06.5 +2.7
NOCI Noci	4.73 298	Pn	Pn	08 28 31.6 +0.4	BULG	Bulgheria - Ca	5.74 286	Pn	Pn	08 28 46.7 +1.6	MODR	Modrone	7.12 293	Pn	Pn	08 29 04.3 +0.4
NOCI Noci	4.73 298	Pn	Pn	08 28 31.6 +0.4	BULG	Bulgheria - Ca	5.74 286	Pn	Pn	08 28 46.7 +1.6	MODR	Modrone	7.12 293	Pn	Pn	08 29 04.3 +0.4
NOCI Noci	4.73 298	Pn	Pn	08 28 31.6 +0.4	BULG	Bulgheria - Ca	5.74 286	Pn	Pn	08 28 46.7 +1.6	CERA	Filignano	7.16 296	Pn	Pn	08 29 07.2 +2.6
KCTX Karacabey (Bur	4.73 69	ePn	Pn	08 28 32.9 +1.6	TRUS	Trudelj	5.74 344	ePn	Pn	08 28 43.7 -1.4	CERA	Filignano	7.16 296	Pn	Pn	08 29 07.2 +2.6
KCTX Karacabey (Bur	4.73 69	ePn	Pn	08 28 32.9 +1.6	TRUS	Trudelj	5.74 344	ePn	Pn	08 28 43.7 -1.4	DEV	Deva	7.17 2	fl/Pn	Pn	08 29 06.4 +1.7
KULA Kula-Manisa	4.77 90	ePn	Pn	08 28 33.7 +2.0	TRUS	Trudelj	5.74 344	ePn	Pn	08 28 43.7 -1.4	DEV	Deva	7.17 2	fl/Pn	Pn	08 29 06.4 +1.7
YER Yerkesik	4.78 107	ePn	Pn	08 28 34.0 +2.2	ADVT	Abdulvahap	5.79 70	ePn	Pn	08 28 47.7 +1.9	CAF	Castel Frentan	7.19 302	Pn	Pn	08 29 07.1 +2.1
YER Yerkesik	4.78 107	ePn	Pn	08 28 34.0 +2.2	ADVT	Abdulvahap	5.79 70	ePn	Pn	08 28 47.7 +1.9	CAF	Castel Frentan	7.19 302	Pn	Pn	08 29 07.1 +2.1
DST Dursunbey	4.78 77	ePn	Pn	08 28 33.1 +1.2	ADVT	Abdulvahap	5.79 70	ePn	Pn	08 28 47.7 +1.9	TIRR	Tirgusor	7.22 35	ePn	Pn	08 29 05.2 -0.1
DST Dursunbey	4.78 77	ePn	Pn	08 28 33.1 +1.2	ADVT	Abdulvahap	5.79 70	ePn	Pn	08 28 47.7 +1.9	TIRR	Tirgusor	7.22 35	ePn	Pn	08 29 05.2 -0.1
DEMI Demirci	4.80 84	iP	Pn	08 28 33.2 +1.0	MMME	Mongiufl-Meli	5.81 285	Pn	Pn	08 28 47.9 +1.3	TIRR	Tirgusor	7.22 35	ePn	Pn	08 29 05.2 -0.1
DEMI Demirci	4.80 84	iP	Pn	08 28 33.2 +1.0	MMME	Mongiufl-Meli	5.81 285	Pn	Pn	08 28 47.9 +1.3	TIRR	Tirgusor	7.22 35	ePn	Pn	08 29 05.2 -0.1
GRI Girifalco	4.81 273	Pn	Pn	08 28 32.9 +0.5	CAVI	Cavuskovy	5.82 73	ePn	Pn	08 28 48.5 +2.4	LPEL	Lama del Pelig	7.22 300	Pn	Pn	08 29 06.8 +1.4
GRI Girifalco	4.81 273	Pn	Pn	08 28 32.9 +0.5	CAVI	Cavuskovy	5.82 73	ePn	Pn	08 28 48.5 +2.4	LPEL	Lama del Pelig	7.22 300	Pn	Pn	08 29 06.8 +1.4
PLAC Placania	4.82 269	Pn	Pn	08 28 33.7 +1.3	CAVI	Cavuskovy	5.82 73	ePn	Pn	08 28 48.5 +2.4	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
PLAC Placania	4.82 269	Pn	Pn	08 28 33.7 +1.3	CAVI	Cavuskovy	5.82 73	ePn	Pn	08 28 48.5 +2.4	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
JMB Yambol	4.83 38	fl/Pn	Pn	08 28 31.6 -1.0	MRLC	Muro Lucano	5.83 293	Pn	Pn	08 28 47.6 +1.2	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
JMB Yambol	4.83 38	fl/Pn	Pn	08 28 31.6 -1.0	MRLC	Muro Lucano	5.83 293	Pn	Pn	08 28 47.6 +1.2	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
JMB Yambol	4.83 38	fl/Pn	Pn	08 28 31.6 -1.0	MRLC	Muro Lucano	5.83 293	Pn	Pn	08 28 47.6 +1.2	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
JMB Yambol	4.83 38	fl/Pn	Pn	08 28 31.6 -1.0	MRLC	Muro Lucano	5.83 293	Pn	Pn	08 28 47.6 +1.2	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARP Karpathos	4.83 129	P	Pn	08 28 34.5 +1.9	CMRP	Campora	5.85 288	Pn	Pn	08 28 48.0 +1.4	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARP Karpathos	4.83 129	P	Pn	08 28 34.5 +1.9	CMRP	Campora	5.85 288	Pn	Pn	08 28 48.0 +1.4	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6	ALT	Altintas	5.89 84	ePn	Pn	08 28 48.9 +1.8	MLR	Muntele Rosu	7.22 19	Pn	Pn	08 29 05.9 +0.5
KARF Herceg Novi	4.86 321	fl/Pn	Pn	08 28 33.5 +0.6												

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like HMAT, CINGLI, CINGLI, CINGLI, CINGLI, etc.

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

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











Table with columns: SNA, ARCES, FINES, FINES, NOA, NOA, HFS, AKASG, AKASG. Includes station names, frequencies, and coordinates.

NEIC 13 08:28:03.0, 16:21N-98:40W, h5km, MD3.7(MEX), After MEX. MEX 13 08:28:02.7, 0.4, 16:23N-98:39W, h4km, 3km, MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Lists stations like PNIG, ACX, UTMTO, VHO, OXX, CAIG, MEIG, PPM, etc.

ATH 13 08:28:38.7, 38:72N-22:54E, h2km, 2km, MD2.9/6. ISCJB 13 08:28:39.0, 0.4, 38:71N-0:02-22:54E, 0.03, h10km, Error ellipse: s-maj=3.0km s-min=2.7km az=43.1. CSEM 13 08:28:39.2, 38:71N-22:54E, h15km, ML4.4/7, After THE THE 13 08:28:39.2, 38:71N-22:54E, h15km, ML4.4/7, Error ellipse: s-maj=0.8km s-min=0.4km az=240.0. ISC 13 08:28:38.9-0.7, 38:71N-0:02-22:54E, 0.03, h19km, 7km, n36, c074/59, Greece

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Lists stations like AXAR, DESF, AGG, NWAO, MAW, MOO, STKA, etc.

ISCJB 13 08:29:50.2, 0.4, 38:71N-0:02-22:54E, 0.03, h2km, 4km, Error ellipse: s-maj=3.0km s-min=2.7km az=43.1. CSEM 13 08:29:50.7, 38:72N-22:55E, h15km, ML3.7/7, After THE THE 13 08:29:50.6, 38:71N-22:54E, h16km, 3km, MD2.7/7. ATH 13 08:29:50.4, 0.3, 38:72N-22:55E, h15km, ML3.7/7, Error ellipse: s-maj=0.8km s-min=0.4km az=238.0. ISC 13 08:29:50.4, 0.3, 38:72N-0:02-22:54E, 0.03, h19km, 2km, n32, c074/59, Greece

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Lists stations like AXAR, DESF, MAW, MOO, STKA, etc.

Table with columns: AGG, AGG, AGG, LKR, LKR, LKR, ATAL, ATAL, ATAL, MAKR, MAKR, KALE, KALE, EFP, EFP, EFP, EVR, LTK, LTK, GUR, GUR, NEO, NEO, XOR, XOR, XOR, THL. Includes station names, frequencies, and coordinates.

BUI 13 08:45:34.4, 49:00S:123:40E, h5km, mb6.1/44, mb5.6/60, MS5.8/62, Ms7.5/6/59. IDC 13 08:45:34.6, 0.5, 49:00S:123:48E, h0km, mb5.3/18, mb1.5/3/19, mb1mx5.3/19, mb1mp5.3/19, ML3.1/1, MS5.7/18, Ms1.5/7/18, ms1mx5.7/18, Error ellipse: s-maj=18.7km s-min=12.4km az=116.0. MOS 13 08:45:35.8, 1.1, 48:94S:123:40E, h11km, mb6.0/32, MS5.7/55, Error ellipse: s-maj=13.9km s-min=7.7km az=79.9. ISCJB 13 08:45:35.1, 0.2, 49:08S:0:03-123:43E, 0.05, h10km, mb5.7/149, MS5.8/217, Error ellipse: s-maj=4.6km s-min=4.0km az=22.8. NEIC 13 08:45:36.3, 0.1, 48:98S:123:40E, h10km, mb6.0/64, MS5.8/172, MW5.9, Error ellipse: s-maj=6.4km s-min=5.6km az=86.0. GCMT 13 08:45:37.1, 0.1, 49:12S:123:86E, h12km, MW5.9, Moment Tensor Solution, s95, c171, s88, c122; Moment tensor: Scale 1019N, Mw=0.96; 0.01; Mw=1.0; 0.1; Mw=0.05; 0.1; Mw=0.14; 0.2; Mw=0.12; 0.1; Mw=0.03; 0.2; Best double couple: Mo 1.00000, 1018 NP1=275.00000, 541.00000, -1-92.00000, NP2=98.00000, 849.00000, -1-89.00000. Principal axes: T 1.0400, Plg4.0000. Azm187.0000; N -0.0700, Plg1.0000; Azm277.0000; P -0.9700, Plg86.0000; Azm222.0000; Data Used: II UC G CN. Surface waves: sta=111, comp=253, per=50.

DJA 13 08:45:38.49, 11S:123:71E, h10km, Mw6.2/67. ISC 13 08:45:35.2, 1.9, 49:09S:0:03-123:43E, 0.05, h0km, 11km, n773, c119/335, mb5.8/149, MS5.8/217, 14C-11D, Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Lists stations like NWAO, MAW, MOO, STKA, etc.

Table with columns: ASAR, ASAR, ASAR, MBWA, MBWA, MBWA, ARMA, ARMA, WRA, WRA, WRA, WRAB, WRAB, WRAB, SBA, SBA, SBA, SBA, SBA, CTA, CTA, CTA, MAW, MAW, MAW, MAW, MAW, MAW, COEN, COEN, OUZ, URZ, URZ, URZ, MMRI, MMRI, MMRI, BMNI, BMNI, IGBI, MTNI, GSPA, GSPA, GSPA, KHI, KHI, JAGI, JAGI, XMSI, XMSI, GMIJ, GMIJ, KRKI, KRKI, BLJI, BLJI, PCJI, PCJI, SWJI, SWJI, UGM, UGM, KMMI, KMMI, COCO, COCO. Includes station names, frequencies, and coordinates.











Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include GRMI Germit, ISRB Sarab, ISRB Sarab, IHRS Heris, IHRS Heris, IBST Bostanabad, IBST Bostanabad, ITBZ Tabriz, ZNJK Zanjan, IMRD Marand, ISHB Shabestar, ISHB Shabestar, SNAGE Sanandaj, DAMV Damavand, IALA IALA, IALA IALA, IALA IALA, IALA IALA, IALA IALA, IKIA Kiasar, IKIA Kiasar, ONI Oni.

ISCJB 13 08:53:53.0, 5.49, 049.04S, 0.07x, 123.5E, 0.2, h10km, mb4.2/10, Error ellipse: s-maj=19.9km s-min=9.5km z=15.7

DDA 13 08:53:53.7, 0.7, 49.00S, 123.53E, h0km, mb4.4/10, mb1.4/4.1, mb1mx4.4/14, mbtmp4.4/11, ML1.8/1, Error ellipse: s-maj=28.0km s-min=14.9km az=113.0

NEIC 13 08:53:55.2, 0.4, 49.04S, 123.49E, h10km, mb4.5/4, Error ellipse: s-maj=15.6km s-min=8.0km az=106.0

ISC 13 08:53:55.2, 0.5, 49.04S, 0.07x, 123.5E, 0.2, h10km, n36, c083/25, mb4.2/10, Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include NWAO Narrogin (SRO), NWAO Narrogin (SRO), CASY Casey, FORT Forrest, STKA Stephens Creek, STKA Stephens Creek, ASAR Alice Springs, ASAR Alice Springs, WRA Warramunga Arr, MAW Mawson, MAW Mawson, MAW Urewera, MAW Urewera, URZ Urewera, URZ Urewera, QSPA South Pole Qui, QSPA South Pole Qui, SNAA Sanae, SNAA Sanae, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Boshof, CMAR Boshof, MJAR Matsushiro Arr, MJAR Matsushiro Arr, TORD Torodi Arr, TORD Torodi Arr, TXAR Lajitas Array, TXAR Lajitas Array, TXAR Pinedale Array, TXAR Pinedale Array, PDAR Pinedale Array, PDAR Pinedale Array, WMOK Wichita Mouta, WMOK Wichita Mouta, YKA Yellowknife Arr, YKA Yellowknife Arr, RSSD Black Hills, RSSD Black Hills, KSU1 Kansas State U, KSU1 Kansas State U.

ISCJB 13 08:57:34.9, 0.8, 38.81N, 0.04x, 26.30E, 0.05, h8km, 7km, Error ellipse: s-maj=6.9km s-min=6.1km az=30.6

DDA 13 08:57:34.7, 38.82N, 26.33E, h7km, 5km, ML2.9, CSEM 13 08:57:35.2, 0.2, 38.81N, 26.32E, h15km, ML2.2/3, Error ellipse: s-maj=4.5km s-min=3.6km az=120.0

THE 13 08:57:35.6, 38.86N, 26.37E, h17km, 3km, ML2.2/3, Error ellipse: s-maj=5.0km s-min=1.6km az=273.0

ISC 13 08:57:35.4, 0.8, 38.82N, 0.04x, 26.31E, 0.05, h14km, 6km, n17, c061/29, Aegean Sea

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include PRK Paraskevi, PRK Paraskevi, PRK Paraskevi, CHOS Chios island, CHOS Chios island, SGR SIGRI, SGR SIGRI, SGR SIGRI, AYVA Ayvalik, AYVA Ayvalik, AYVA Ayvalik, BOZC Bozcaada, BOZC Bozcaada, AKHS Akhisar, AKHS Akhisar.

Table with columns: AKHS Akhisar, AKHS Akhisar, BALLY Balya, BALLY Balya, APE Apeiranthos, APE Apeiranthos, SKIA Skiathos, SKIA Skiathos.

BUI 13 08:59:39.5, 49.00S, 123.50E, h5km, mb5.7/20, mb5.3/42, MS5.7/29, MS7.5, 4/29

IDC 13 08:59:39.6, 0.5, 49.03S, 123.49E, h0km, mb4.9/16, mb1.5/0.17, mb1mx5.0/17, mbtmp4.9/17, ML2.7/1, MS5.1/5, Ms1.5/1.5, mb1mx4.6/20, Error ellipse: s-maj=2.1km s-min=1.3km az=110.0

ISCJB 13 08:59:40.2, 0.2, 49.05S, 0.04x, 123.49E, 0.08, h10km, mb5.3/74, MS5.3/14, Error ellipse: s-maj=7.9km s-min=5.3km az=10.9

MOS 13 08:59:40.5, 1.4, 48.98S, 123.51E, h10km, mb5.5/22, Error ellipse: s-maj=20.8km s-min=8.7km az=82.1

GCMT 13 08:59:40.0, 0.2, 49.19S, 123.76E, h12km, MW5.4, Moment Tensor Solution, s20, c20, s71, c127, Moment tensor: Scale 10717Nm, Mw=0.4; Mw1.1±.03; Mw0.0±.04; Mw-0.8±.11; Mw0.37±.02; Mw0.39±.12; Best double couple: Mo1.50000±0.1017 NP1±0.232, 00000°, s34.00000°, -131.00000°. NP2±0.970000°, s65.00000°, -167.00000°. Principal axes: T 1.4300, Plg17.0000°, Azm170.0000°, N 0.0700, Plg21.0000°, Azm267.0000°, -1.4900, Plg62.0000°, Azm45.0000°; Data Used: IU11/C G.

NEIC 13 08:59:41.5, 0.2, 49.01S, 123.51E, h10km, mb5.5/42 Error ellipse: s-maj=7.4km s-min=5.4km az=90.0

DJA 13 08:59:47.4, 0.5, 49.10S, 123.74E, h48km, mb5.3/18, ISC 13 08:59:41.9, 0.2, 49.06S, 0.04x, 123.47E, 0.08, h10km, (h17km, 1.9km; p-P, n249, c091/170, mb5.3/74, MS5.3/14, 3C-2D, Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include NWAO Narrogin (SRO), NWAO Narrogin (SRO), NWAO Narrogin (SRO), NWAO Narrogin (SRO).

Table with columns: MOO Moorlands, KLBR Kellerberrin, CASY Casey, CASY Casey, FORT Forrest, FORT Forrest, TOO Toolangi, TOO Toolangi.

Table with columns: STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek.

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Table with columns: ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs.

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Table with columns: KAPI Kappang, KAPI Kappang, PMG Port Moresby, PMG Port Moresby, PMG Port Moresby, PMG Port Moresby.

Table with columns: SPSP Sidrap Palu, SPSP Sidrap Palu, NLAI Namlea, NLAI Namlea, BBKI Banjar Baru, BBKI Banjar Baru.

Table with columns: KSI Kapahiang, KSI Kapahiang, KSM Kuching, KSM Kuching, KSM Kuching, KSM Kuching.

Table with columns: KSM Kuching, KSM Kuching, KSM Kuching, KSM Kuching.

Table with columns: MSVF Nonsavu, MSVF Nonsavu, MSVF Nonsavu, MSVF Nonsavu.

Table with columns: SNAA Sanae, SNAA Sanae, SNAA Sanae, SNAA Sanae.

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Table with columns: SNAA Sanae, SNAA Sanae, SNAA Sanae, SNAA Sanae.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KOLD, DANGSING, TSUMEB, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like HABR, WMQ, KSH, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like MMIG, MOIG, CAIG, etc.

ISCJB 13 09:28:01.2, 0.9, 16.4S:0.2x176.1W:0.2, h36km, 13km, mb3.6/9, Error ellipse: s-maj=37.9km s-min=13.8km

IDC 13 09:28:01.3, 1.4, 16.39S:176.09W, h350km, 17km, mb3.3/7, mb1.3/6.8, mb1mx3.4/18, mbtmp3.4/8, Error ellipse: s-maj=31.2km s-min=13.6km az=136.0

NEIC 13 09:28:02.0, 0.9, 16.44S:176.00W, h376km, 9km, mb3.9/4, Error ellipse: s-maj=29.4km s-min=10.7km az=148.0

ISC 13 09:28:02.4, 0.8, 16.55S:20.175S:9W:0.1, h365km, 10km, n25, c19123, mb3.6/9, Tonga Islands

Table with columns for Code, Station Name, Frequency, Power, and other technical details. Includes stations like AFI, MSFV, DZM, etc.

JMA 13 09:42:52.6, 35.25N-136.46E, h16km, M2.7, 3C-1D, Western Honshu

Table with columns for Code, Station Name, Frequency, Power, and other technical details. Includes stations like JEG, JGM, JSU, etc.

ISCJB 13 09:46:06.4, 2.4, 22.22N:0.1x143.6E:0.3, h146km, 21km, mb3.4/9, Error ellipse: s-maj=40.4km s-min=19.6km

IDC 13 09:46:07.3, 9.22, 30N:144.01E, h144km, 31km, mb3.1/6, mb1.3/3.7, mb1mx3.1/25, mbtmp3.2/17, Ms1 3.3/1, ms1mx2.6/18, Error ellipse: s-maj=121.9km s-min=18.3km az=79.0

NEIC 13 09:46:07.4, 1.8, 22.20N:143.58E, h138km, 16km, mb3.9/2, Error ellipse: s-maj=28.3km s-min=13.8km az=84.0

ISC 13 09:46:06.8, 2.3, 22.22N:0.1x143.6E:0.3, h132km, 19km, n16, c0994/18, mb3.4/6, Volcano Islands region

Table with columns for Code, Station Name, Frequency, Power, and other technical details. Includes stations like CBJ, WRA, ASAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Padang Panjang, Prapat, PDSI, Bangkinang, Sungai Dareh.

IDC 13 09:56:46.1u.7.4.22.255x:179.22W, h522km, 81km, mb3.0/3, mb1 3.3/4, mb1mx3.0/16, mbtmp3.0/4, Error ellipse: s-maj=56.7km s-min=37.2km az=2.0

NEIC 13 09:56:49.9.1.1.22.47S:179.27W, h570km, 10km, mb4.0/2, Error ellipse: s-maj=22.4km s-min=14.9km az=118.0

ISC 13 09:56:49.7.1.6.22.4S:0.2x:179.3W.0.2, h570km, 15km, n18, oF63/13, mb3.6/5, South of Fiji Islands

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

NNC 13 10:08:59.0.0.6.42.64N:70.56E, h0km, mb3.5, mpv2.6, 15C-7D, Error ellipse: s-maj=8.4km s-min=2.7km az=75.0, Central Kazakhstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Karatay Array, Tokmak 2, etc.

IDC 13 10:12:51.2.3.4.21.20S:175.46W, h0km, mb3.8/4, mb1 4.1/4, mb1mx3.9/17, mbtmp3.8/4, Error ellipse: s-maj=259.1km s-min=97.7km az=157.0, Tonga Islands

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

IDC 13 10:20:37.2.9.3.1.18N:126.81E, h90km, 89km, mb3.4/5, mb1 3.6/6, mb1mx3.4/18, mbtmp3.5/6, ML3.9/1, Error ellipse: s-maj=20.8km s-min=20.8km az=55.0, Northern Molucca Sea

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

NIED 13 10:26:00.33.80N:135.40E, h50km, Mw3.8 Best double couple: M6.660000:1014 NP1:0.38.00000, 382.00000, 1.52.00000, NP2:0.79.00000, 339.00000, 1.187.00000

ISCJB 13 10:26:40.9.0.4.33.75N:0.04:135.32E.0.03, h52km, 4km, mb3.5/5, Error ellipse: s-maj=6.4km s-min=4.2km az=173.3

IDC 13 10:26:40.8.5.4.33.75N:135.43E, h33km, 46km, mb3.4/5, mb1 3.6/6, mb1mx3.4/24, mbtmp3.3/6, ML3.0/1, MS3.0/1, Ms1 3.0/1, ms1mx2.4/24, Error ellipse: s-maj=33.6km s-min=22.7km az=73.0

JMA 13 10:26:41.9.33.77N:135.35E, h46km, 1km, M3.7 Broadband fault plane solution: P waves. NP1: 0.348.00000, 3.76.00000, 1.86.00000, NP2: 0.348.00000, 3.14.00000, 1.104.00000, Principal axes: T P1g3.00000, Azm162.00000, P1g59.00000, Azm258.00000

JMA Felt II J1 NEIC 13 10:26:42.0.33.77N:135.35E, h46km, MG3.7(JMA), After JMA

ISC 13 10:26:41.9.0.4.33.76N:0.04:135.31E.0.03, h44km, 5km, n30, oF63/46, mb3.5/5, 5C-6D, Near south coast of western Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes station Minabe.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Kozaga, Kouya, Aioi, Tsuna, Miekihoku, Heguri, Monobe, etc.

IDC 13 10:41:38.7.1.3.30.62S:172.16W, h0km, mb3.9/3, mb1 3.9/5, mb1mx3.7/15, mbtmp3.8/5, ML3.6/2, Error ellipse: s-maj=42.0km s-min=30.6km az=59.0

ISCJB 13 10:41:39.7.0.7.30.71S:0.03:72.14W.0.06, h10km, mb3.9/3, Error ellipse: s-maj=7.7km s-min=4.3km az=9.9

GUC 13 10:41:40.8.0.8.30.77S:71.97W, h2km, 3km, ML4.2 NEIC 13 10:41:43.5.4.8.30.80S:72.18W, h2km, 3km, Error ellipse: s-maj=31.2km s-min=12.9km az=101.0

ISC 13 10:41:41.2.0.7.30.89S:0.03:72.03W.0.06, h10km, n36, iF32/44, mb3.9/3, 2C-1D, Off coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Ovalle, Combarbala, Los Serena, Los Chungos, Petorca, Las Campanas, etc.

IDC 13 10:41:38.7.1.3.30.62S:172.16W, h0km, mb3.9/3, mb1 3.9/5, mb1mx3.7/15, mbtmp3.8/5, ML3.6/2, Error ellipse: s-maj=42.0km s-min=30.6km az=59.0

ISCJB 13 10:41:39.7.0.7.30.71S:0.03:72.14W.0.06, h10km, mb3.9/3, Error ellipse: s-maj=7.7km s-min=4.3km az=9.9

GUC 13 10:41:40.8.0.8.30.77S:71.97W, h2km, 3km, ML4.2 NEIC 13 10:41:43.5.4.8.30.80S:72.18W, h2km, 3km, Error ellipse: s-maj=31.2km s-min=12.9km az=101.0

ISC 13 10:41:41.2.0.7.30.89S:0.03:72.03W.0.06, h10km, n36, iF32/44, mb3.9/3, 2C-1D, Off coast of central Chile

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

IDC 13 10:41:38.7.1.3.30.62S:172.16W, h0km, mb3.9/3, mb1 3.9/5, mb1mx3.7/15, mbtmp3.8/5, ML3.6/2, Error ellipse: s-maj=42.0km s-min=30.6km az=59.0

ISCJB 13 10:41:39.7.0.7.30.71S:0.03:72.14W.0.06, h10km, mb3.9/3, Error ellipse: s-maj=7.7km s-min=4.3km az=9.9

GUC 13 10:41:40.8.0.8.30.77S:71.97W, h2km, 3km, ML4.2 NEIC 13 10:41:43.5.4.8.30.80S:72.18W, h2km, 3km, Error ellipse: s-maj=31.2km s-min=12.9km az=101.0

ISC 13 10:41:41.2.0.7.30.89S:0.03:72.03W.0.06, h10km, n36, iF32/44, mb3.9/3, 2C-1D, Off coast of central Chile

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

IDC 13 10:47:55.4.9.4.3.56S:102.28E, h0km, mb3.4/3, mb1 3.6/3, mb1mx3.4/19, mbtmp3.4/3, Error ellipse: s-maj=33.8km s-min=32.6km az=62.0, Southern Sumatra

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

ROM 13 11:18:14.1.1.2.44.54N:14.08E, h10km, Md2.7/3, Ml2.3/2,

Error ellipse: s-maj=12.0km s-min=0.0km az=171.0 ISCJB 13 11:18:15.4.0.6.45.06N:0.02:14.95E.0.03, h10km, Error ellipse: s-maj=3.5km s-min=3.3km az=18.4 CSEM 13 11:18:15.9.0.2.45.06N:14.92E, h10km, ML3.1/18, Error ellipse: s-maj=3.7km s-min=3.4km az=168.0 VIE 13 11:18:15.8.0.4.45.06N:14.90E, h9km, 2km, mb2.2/3, ML2.6/3, Error ellipse: s-maj=2.8km s-min=1.8km az=174.0 49 km SE of Rijeka

ISC 13 11:18:15.3.0.8.45.01N:0.03:14.98E.0.04, h2km, 7km, n68, oF81/117, 7C-6D, Northwestern Balkan Peninsula

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

ISC 13 11:18:15.3.0.8.45.01N:0.03:14.98E.0.04, h2km, 7km, n68, oF81/117, 7C-6D, Northwestern Balkan Peninsula

ISCJB 13 11:18:15.4.0.6.45.06N:0.02:14.95E.0.03, h10km, Error ellipse: s-maj=3.5km s-min=3.3km az=18.4

CSEM 13 11:18:15.9.0.2.45.06N:14.92E, h10km, ML3.1/18, Error ellipse: s-maj=3.7km s-min=3.4km az=168.0

VIE 13 11:18:15.8.0.4.45.06N:14.90E, h9km, 2km, mb2.2/3, ML2.6/3, Error ellipse: s-maj=2.8km s-min=1.8km az=174.0

ISC 13 11:18:15.3.0.8.45.01N:0.03:14.98E.0.04, h2km, 7km, n68, oF81/117, 7C-6D, Northwestern Balkan Peninsula

ISCJB 13 11:18:15.4.0.6.45.06N:0.02:14.95E.0.03, h10km, Error ellipse: s-maj=3.5km s-min=3.3km az=18.4

CSEM 13 11:18:15.9.0.2.45.06N:14.92E, h10km, ML3.1/18, Error ellipse: s-maj=3.7km s-min=3.4km az=168.0

VIE 13 11:18:15.8.0.4.45.06N:14.90E, h9km, 2km, mb2.2/3, ML2.6/3, Error ellipse: s-maj=2.8km s-min=1.8km az=174.0

ISC 13 11:18:15.3.0.8.45.01N:0.03:14.98E.0.04, h2km, 7km, n68, oF81/117, 7C-6D, Northwestern Balkan Peninsula

ISCJB 13 11:18:15.4.0.6.45.06N:0.02:14.95E.0.03, h10km, Error ellipse: s-maj=3.5km s-min=3.3km az=18.4

CSEM 13 11:18:15.9.0.2.45.06N:14.92E, h10km, ML3.1/18, Error ellipse: s-maj=3.7km s-min=3.4km az=168.0

VIE 13 11:18:15.8.0.4.45.06N:14.90E, h9km, 2km, mb2.2/3, ML2.6/3, Error ellipse: s-maj=2.8km s-min=1.8km az=174.0

ISC 13 11:18:15.3.0.8.45.01N:0.03:14.98E.0.04, h2km, 7km, n68, oF81/117, 7C-6D, Northwestern Balkan Peninsula

ISCJB 13 11:18:15.4.0.6.45.06N:0.02:14.95E.0.03, h10km, Error ellipse: s-maj=3.5km s-min=3.3km az=18.4

CSEM 13 11:18:15.9.0.2.45.06N:14.92E, h10km, ML3.1/18, Error ellipse: s-maj=3.7km s-min=3.4km az=168.0

VIE 13 11:18:15.8.0.4.45.06N:14.90E, h9km, 2km, mb2.2/3, ML2.6/3, Error ellipse: s-maj=2.8km s-min=1.8km az=174.0

ISC 13 11:18:15.3.0.8.45.01N:0.03:14.98E.0.04, h2km, 7km, n68, oF81/117, 7C-6D, Northwestern Balkan Peninsula

ISCJB 13 11:18:15.4.0.6.45.06N:0.02:14.95E.0.03, h10km, Error ellipse: s-maj=3.5km s-min=3.3km az=18.4

CSEM 13 11:18:15.9.0.2.45.06N:14.92E, h10km, ML3.1/18, Error ellipse: s-maj=3.7km s-min=3.4km az=168.0

VIE 13 11:18:15.8.0.4.45.06N:14.90E, h9km, 2km, mb2.2/3, ML2.6/3, Error ellipse: s-maj=2.8km s-min=1.8km az=174.0

ISC 13 11:18:15.3.0.8.45.01N:0.03:14.98E.0.04, h2km, 7km, n68, oF81/117, 7C-6D, Northwestern Balkan Peninsula

ISCJB 13 11:18:15.4.0.6.45.06N:0.02:14.95E.0.03, h10km, Error ellipse: s-maj=3.5km s-min=3.3km az=18.4

CSEM 13 11:18:15.9.0.2.45.06N:14.92E, h10km, ML3.1/18, Error ellipse: s-maj=3.7km s-min=3.4km az=168.0

VIE 13 11:18:15.8.0.4.45.06N:14.90E, h9km, 2km, mb2.2/3, ML2.6/3, Error ellipse: s-maj=2.8km s-min=1.8km az=174.0





Table with columns: ZALV, comp, Z, 1.0nm, 0.4s, mb3.9, pmax, pmax, 12 00 59.6 -1.0, etc.

NIED 13 12:24:00, 44.90N, 149.40E, h47km, Mw3.6 Best double couple: M0.23000x1014 NP1.36700000, 854.00000, 1.88.00000, NP2.0191.00000, 836.00000, 7.93.00000

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, NEM2 Nemuro 2, 3.00 242, Op, Pn, 12 25 23.6 -1.4, etc.

NIED 13 12:32:00, 31.40N, 129.50E, h5km, Mw4.4 Best double couple: M0.42100x1015 NP1.36700000, 870.00000, 7.29.00000, NP2.3176.00000, 863.00000, 7.157.00000

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, JSJ Shimokoshiki, 0.33 3, Pp, P, 12 32 49.5 -1.7, etc.

Table with columns: CN2, comp=N, 3um, 11.0s, LR, LR, 12 35 52.5 -0.2, etc.

ASAJ 13 12:32:20, 30.20N, 163.80E, h30km, Mw4.0 Best double couple: M0.32220x1015 NP1.36700000, 830.00000, 1.88.00000

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, YUK Yuzh-Kuril'sk, 17.96 41, P, Pn, 12 36 57.1 +2.8, etc.

YSS 13 12:32:45, 9.21, 31.31N, 129.73E, h33km, mb4.7/25, Error ellipse: s-maj=9.0km s-min=6.4km az=103.9

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, GYA Gya, 2.07 262, P, P, 12 37 28.1 +2.8, etc.

Table with columns: ULN Ulanbaatar, 23.88 320, eP, P, 12 37 59.1 +1.0, etc.

GTA Gaotai, 25.57 297, eP, P, 12 38 15.8 +2.1, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, KUR Kurchatov, 42.15 313, P, P, 12 40 36.4 -0.7, etc.

DANN Dangsing, 39.74 278, eP, P, 12 40 15.6 -1.8, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, KUR Kurchatov, 42.15 313, P, P, 12 40 36.4 -0.7, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, KUR Kurchatov, 42.15 313, P, P, 12 40 36.4 -0.7, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, KUR Kurchatov, 42.15 313, P, P, 12 40 36.4 -0.7, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, KUR Kurchatov, 42.15 313, P, P, 12 40 36.4 -0.7, etc.



Table with columns for station call signs (e.g., MDJ, CN2, KSRS), frequencies, and various signal quality metrics (e.g., SNR, S/N, dB). Includes sub-sections for '13d 12h' and '2008 DEC'.

Table with columns for station call signs (e.g., MKAR, KURK, CMAR), frequencies, and various signal quality metrics (e.g., SNR, S/N, dB). Includes sub-sections for '13d 12h' and '2008 DEC'.

Table with columns for station call signs (e.g., STHS, CRVS, BR131), frequencies, and various signal quality metrics (e.g., SNR, S/N, dB). Includes sub-sections for '13d 12h' and '2008 DEC'.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Saint Sault, Signal de Mont, Avril sur Loir, etc.

IDC 13 12:59:23.6:1.1, 36.67N:69.73E, h0km, mb3.7/6, mb1 3.8/9, mb1mx3.6/27, mbtmp3.6/9, ML2.3, Error ellipse: s-maj=25.6km s-min=20.1km az=103.0

ISCJB 13 12:59:26.5:0.5, 37.08N:0.03:69.54E:0.08, h10km, mb3.6/5, Error ellipse: s-maj=9.6km s-min=4.1km az=6.7

NNC 13 12:59:31.4:4.7, 37.26N:69.60E, h0km, mb4.0, mpv3.8, Error ellipse: s-maj=45.8km s-min=38.8km az=125.0

NEIC 13 12:59:31.5:1.1, 36.96N:69.59E, h68km, 12km, mb3.6/1, Error ellipse: s-maj=16.5km s-min=10.2km az=101.0

ISC 13 12:59:27.9:0.6, 32.69N:0.03:69.39E:0.08, h10km, n38, s134/43, mb3.6/5, 3C-2D, Hindu Kush region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Kabul, Cherat, Yamme Wali, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ZALV Zalesovo Beam, SONM Songoing Array, etc.

NIED 13 13:24:00, 31.40N:129.50E, h5km, Mw3.8 Best double couple: Mb4.77000x1014, Vp1.36x277.00000, 0.699.00000, 7.30.00000: NP2:0.175.00000, 362.00000: A.156.00000:

JMA 13 13:24:23.4, 31.38N:129.47E, h10km, M3, Kyushu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like JSJ Shimokoshiki, JSJ Suzuyama, etc.

IDC 13 13:54:41.3:2.1, 61.12N:166.76E, h0km, mb3.6/5, mb1 4.0/5, mb1mx3.6/26, mbtmp3.7/5, Error ellipse: s-maj=162.5km s-min=24.1km az=138.0, Eastern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ILAR Eielson Array, INK Inuvik, etc.

NEIC 13 13:57:26.4, 15.58N:96.06W, h6km, MD3.6(MEX), After MEX

MEX 13 13:57:26.4:0.5, 15.58N:96.06W, h7km, 53km, MD3.6, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like HUIG Huatulco, HUIG Vista Hermosa, etc.

IDC 13 14:27:43.0:3.1, 31.07S:176.72W, h0km, mb3.7/2, mb1 3.9/3, mb1mx3.7/16, mbtmp3.7/3, ML3.4/1, Error ellipse: s-maj=75.1km s-min=36.6km az=119.0, Kermadec Islands region

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

GUC 13 14:38:53.8:0.6, 34.69S:72.26W, h16km, 4km, MD3.7, ML2.6, Near coast of central Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like NICH Los Niches, NICH Longovio, etc.

IDC 13 15:03:55.2:3.2, 34.57N:142.83E, h0km, mb3.5/6, mb1 3.0/8, mb1mx3.5/25, mbtmp3.0/8, ML2.6, Error ellipse: s-maj=110.0km s-min=19.1km az=67.0

ISCJB 13 15:04:01.9:1.4, 34.12N:0.05:141.79E:0.08, h31km, 5km, mb3.4/6, Error ellipse: s-maj=12.6km s-min=7.1km az=149.0

JMA 13 15:04:01.3:0.3, 34.07N:141.76E, h30km, MG3.2(JMA), After JMA

ISC 13 15:04:02.1:5.34:12N:0.05:141.72E:0.08, h18km, 8km, n26, 0.965/33, mb3.4/6, Off east coast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BS04 Boso 4, BS04 Katsura, etc.

NEIC 13 15:18:43.6, 15.66N:96.04W, h5km, MD3.6(MEX), After MEX

MEX 13 15:18:43.5:0.6, 15.64N:96.08W, h8km, 3km, MD3.6, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like HUIG Huatulco, HUIG Zalatoco, etc.

BUI 13 15:24:13.1, 5.60S:110.20E, h547km, mb4.6/24, mb4.7/41, MOS 13 15:24:14.8:0.9, 5.48S:110.20E, h557km, mb4.5/23, Error ellipse: s-maj=12.2km s-min=6.4km az=115.2

ISCJB 13 15:24:14.0:0.2, 5.65S:0.03:110.10E:0.03, h550km, 2km, mb4.5/91, Error ellipse: s-maj=5.0km s-min=4.0km az=31.2

DJA 13 15:24:14.5:7.3S:110.08E, h547km, mb4.8/37, IDC 13 15:24:15.3:0.8, 5.58S:110.22E, h546km, 8km, mb3.9/33, mb1 3.9/35, mb1mx3.9/35, mbtmp3.9/35, Error ellipse: s-maj=1.1km s-min=0.6km az=56.0

NEIC 13 15:24:15.6:0.4, 5.59S:110.17E, h551km, 5km, mb4.7/39, Error ellipse: s-maj=6.6km s-min=3.7km az=54.0

ISC 13 15:24:14.9:0.2, 5.66S:0.03:110.09E:0.03, h544km, 2km, h545km, 3.9km, pP-P, n350, 0.92/30S, mb4.5/89, 6C-32D, Java Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SMRI Semarang, YOGI Yogyakarta, etc.







Table with columns: OUR, IGT, VLI, VLI, VLI, NEST, NEST, SOH, SOH, SOH, FNA, FNA, LIA, LIA, LIA, KNT, KNT, KYTH, KYTH, SRS, SRS, VAY, VAY, KAV, KAV, CHOS, CHOS, NVR, NVR, NVR, KRUS, KRUS, APE, APE, APE, ALN, ALN, VTS, VTS, BARS, BARS, BOL, BOL, GRUS, GRUS, STON, STON, DIV, DIV, MLR, MLR, PLOR, PLOR, VRI, VRI, VRI, NVL, NVL, JAV, JAV, JAV, PERS, PERS. Includes station names, coordinates, and various parameters.

ISCJB 13 15:55:57.0±0.8, 32°48'N, 103°05'24"E, 0.05, h2km, 6km, mb3.7/12, Error ellipse: s-maj=7.9km s-min=5.2km az=27.7

IDC 13 15:55:58.7±0.8, 32°32'N, 104°95'E, h0km, mb3.8/12, mb1.3/9/13, mb1mx3.8/27, mbtmp3.7/13, Error ellipse: s-maj=48.8km s-min=15.1km az=56.0

NEIC 13 15:56:00.2±0.5, 32°24'N, 104°83'E, h10km, Error ellipse: s-maj=20.6km s-min=9.2km az=62.0

BUI 13 15:56:01.8, 32°47'N, 105°20'E, h12km, ML3.6/15, Ms3.5/2, Ms7.3/4/2

ISC 13 15:55:59.3±0.8, 32°50'N, 103°105'15"E, 0.05, h2km, 5km, n52, ±107/45, mb3.7/12, Sichuan

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

Table with columns: WRA, WRA, ASAR, ASAR, STKA, STKA, STKA, YKA, YKA. Lists stations like Warramunga Arr, Alice Springs, etc.

IDC 13 16:12:52.3±2.8, 31°32'S, 176°51'W, h0km, mb3.9/3, Mb1.4/1/5, mb1mx3.9/17, mbtmp4.0/5, ML3.9/2, Ms3.3/1, Ms1.3/3/1, ms1mx2.7/20, Error ellipse: s-maj=67.8km s-min=32.7km az=120.5

NEIC 13 16:12:52.2±2.7, 31°32'S, 176°51'W, h10km, mb4.5/1, Error ellipse: s-maj=53.6km s-min=15.9km az=93.0

ISC 13 16:12:53.4±3.7, 31°45'O, 176°00'O, 0.5, h35km, n18, ±095/17, mb4.1/4, Kermadec Islands region

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

ISK 13 16:56:30.9, 38°46'N, 44°63'E, h5km, MD3.5, NSSP 13 16:56:31.0, 38°52'N, 44°98'E, h17km, Ms3.4, CSEM 13 16:56:31.9±0.3, 38°38'N, 44°63'E, h2km, MD3.5, Error ellipse: s-maj=7.8km s-min=4.2km az=117.0

DDA 13 16:56:32.9, 38°40'N, 44°64'E, h2km, MD3.4, TEH 13 16:56:32.8, 38°38'N, 44°87'E, h6km

ISC 13 16:56:31.1±0.5, 38°33'N, 103°44'81"E, 0.02, h0km, 4km, n54, ±107/81, 8C-14D, Turkey-Iran border region

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

ISC 13 16:56:31.9±0.3, 38°38'N, 44°63'E, h2km, MD3.5, Error ellipse: s-maj=7.8km s-min=4.2km az=117.0

DDA 13 16:56:32.9, 38°40'N, 44°64'E, h2km, MD3.4, TEH 13 16:56:32.8, 38°38'N, 44°87'E, h6km

ISC 13 16:56:31.1±0.5, 38°33'N, 103°44'81"E, 0.02, h0km, 4km, n54, ±107/81, 8C-14D, Turkey-Iran border region

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

Table with columns: SVRC, SVRC. Lists stations like Svirice-ELAZID, Svirice-ELAZID.

BUI 13 17:16:44.0, 36°00'N, 117°30'W, h5km, mb5.1/2, mb4.9/4, Ms4.9/1, Ms7.4/7/1

ISCJB 13 17:16:45.2±0.3, 36°04'N, 102°117°23'W, 0.03, h10km, mb3.2/1, Error ellipse: s-maj=3.5km s-min=2.9km az=157.2

IDC 13 17:16:46.2±1.8, 35°92'N, 117°20'W, h0km, mb3.5/2, mb1.3/6/5, mb1mx3.5/24, mbtmp3.2/5, ML3.2/3, Error ellipse: s-maj=25.0km s-min=9.6km az=48.0

NEIC 13 17:16:46.5, 35°97'N, 117°32'W, h0km, ML4.0(PAS), After PAS.

NEIC Fel [I] at Trona. Felt at Inyokern, Ridgecrest and in the China Lake area. Also felt at Las Vegas, Nevada.

ISC 13 17:16:46.4±0.3, 35°99'N, 102°117°26'W, 0.03, h10km, n49, ±149/76, mb3.4/2, Central California

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

ISC 13 17:16:46.4±0.3, 35°99'N, 102°117°26'W, 0.03, h10km, n49, ±149/76, mb3.4/2, Central California

ISC 13 17:16:46.4±0.3, 35°99'N, 102°117°26'W, 0.03, h10km, n49, ±149/76, mb3.4/2, Central California

ISC 13 17:16:46.4±0.3, 35°99'N, 102°117°26'W, 0.03, h10km, n49, ±149/76, mb3.4/2, Central California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Columbia Colle, San Andreas Ge, etc.

SZGRF 13 17:21:02.2±5.4, 9N, 38°13'W, h33km, mb5.1, MS4.3, North Atlantic Ocean

ISCJB 13 17:21:12.7±0.3, 8°01'N, 0°06'38'W, 0.05, h10km, mb5.6/2, Ms4.4/25, Error ellipse: s-maj=9.7km s-min=6.9km az=38.6

MOS 13 17:21:12.4±1.4, 7°99'N, 38°04'W, h10km, mb5.2/16, Error ellipse: s-maj=14.5km s-min=7.1km az=56.5

BUI 13 17:21:12.1, 8°10'N, 37°90'W, h10km, mb5.1/4, Ms5.3/2, Ms7.5/0/2

IDC 13 17:21:12.6±0.5, 8°17'N, 38°00'W, h0km, mb4.1/2/3, mb1.4/3/24, mb1mx4.3/26, mbtmp4.1/24, ML4.2/1, MS4.3/24, Ms1.4/3/24, ms1mx4.1/40, Error ellipse: s-maj=17.2km s-min=13.8km az=135.0

NEIC 13 17:21:14.3±0.3, 8°01'N, 38°02'W, h10km, mb5.0/30, Error ellipse: s-maj=10.3km s-min=6.0km az=124.0

CSEM 13 17:21:14.6±0.2, 8°03'N, 38°03'W, h10km, mb5.0/25, Mw5.0, Error ellipse: s-maj=13.1km s-min=9.8km az=127.0

GCMT 13 17:21:16.4±0.3, 8°11'N, 37°97'W, h12km, MWS5.0, Moment



13d 19h

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DJA 13 17:34:59, GMJI Gumukmas, etc.

ISCJJB 13 17:40:18.2-2.1, 24.22S:0.2-180.0W:0.2, h407km, 23km, mb3.9/9, Error ellipse: s-maj=39.2km s-min=21.6km az=13.0

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NWAO Narrogin (SRO), MAW Mawson, etc.

2008 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MAN 13 18:15:12, PIP Pasuquin, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KRSC 13 18:54:27, RUS Russkaya, etc.

BUI 13 19:00:27.9, 3.94S x 130.25E, h44km, mB5.2/31, mb4.9/49, IDC 13 19:00:31.1, 0.3, 3.06S: 129.69E, h0km, mb5.0/26, MS1 4.9/28, mb1mx4.9/29, mbtmp4.9/28, ML4.1/2, MS4.2/15, MOS 13 19:00:34.4, 1.2, 3.06S: 129.74E, h33km, mb5.3/35, MS4.2/8, Error ellipse: s-maj=11.1km s-min=5.8km az=114.8

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SMRI Semarang, UGM Wanagana, 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 ASAR Alice Springs, ASAR Alice Springs, 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 ASAR Alice Springs, ASAR Alice Springs, etc.

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

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SSE	Sheshan	34.96 347	P	P	19 07 25.5 +0.2
SSE			S	S	19 12 56.9 +2.8
SSE	comp=Z,32nm,0.7s,mb5.4		pmax	pmax	
SSE	comp=Z,220nm,4.1s		LR	LR	
SSE	comp=N,83nm,20.0s,MS3.9		LR	LR	
SSE	comp=E,210nm,20.0s,MS3.9		LR	LR	
SSE	comp=Z,170nm,20.0s,MS3.8		P	P	19 07 25.5 +0.2
SSE	Sheshan	34.96 347	P	P	19 12 56.9 +2.8
SSE	comp=Z,32nm,0.7s,mb5.4		S	S	19 13 13.0 -1.0
SSE			S	S	19 13 13.0 -1.0
NJ2	Nanjing	36.45 344	eP	P	19 07 40.1 +2.0
NJ2			pP	pP	19 07 52.3 +2.3
NJ2			sP	sP	19 07 57.6 +2.4
NJ2			PP	PP	19 09 01.7 +0.3
NJ2			P	P	19 13 17.0 +0.1
NJ2	comp=Z,10.0nm,0.7s,mb4.8		pmax	pmax	
NJ2	comp=Z,290nm,4.2s		LR	LR	
NJ2	comp=N,350nm,20.6s,MS4.3		LR	LR	
NJ2	comp=E,520nm,23.2s,MS4.3		LR	LR	
NJ2	comp=Z,570nm,24.9s,MS4.2		LR	LR	
BDT	Bhumibol Dam	36.50 305	P	P	19 07 40.0 +1.3
BDT	Chiang Mai Arr	37.18 306	P	P	19 07 40.0 +1.1
BDT	Wuhan	36.55 337	S	S	19 13 27.0 +8.6
BDT			S	S	
BDT			LR	LR	
CAN	comp=Z,810nm,21.7s,MS4.5				
CAN	Canberra	36.69 153	eP	P	19 07 40.5 +0.4
CAN	comp=Z,98nm,1.4s,mb4.9		P	P	19 07 40.5 +0.4
CAN	Canberra	36.69 153	eP	P	19 07 40.5 +0.4
CAN			pmax	pmax	
GYA	comp=Z,98nm,1.4s,mb5.5		P	P	19 07 42.6 +0.4
GYA	Gulyang	36.92 324	P	P	19 07 54.8 +0.7
GYA			pP	pP	19 08 01.5 +2.2
GYA			PP	PP	19 09 08.9 +1.9
GYA			S	S	19 13 23.5 -0.8
GYA			pmax	pmax	
GYA	comp=Z,20nm,0.8s,mb5.0		LR	LR	
GYA	comp=Z,90nm,3.2s		LR	LR	
GYA	comp=N,620nm,17.0s,MS4.5		LR	LR	
GYA	comp=E,500nm,18.4s,MS4.5		LR	LR	
GYA	comp=Z,750nm,17.4s,MS4.5		LR	LR	
CMAR	Chiang Mai Arr	37.18 306	P	P	19 07 44.9 +0.4
CMAR	comp=Z,28nm,1.0s,mb5.0,baz=137,slow=7.4,SNR=140		P	P	19 10 05.7 +1.7
CMAR	comp=Z,5.9nm,0.9s,baz=158,slow=2.4,SNR=8.8		PcP	PcP	
CMAR			ScP	ScP	19 13 52.1 +4.4
CMAR	comp=Z,1.9nm,1.0s,baz=163,slow=3.1,SNR=6.6		S	S	
CMAR	Chiang Mai Arr	37.18 306	P	P	19 07 44.9 +0.4
CMAR			PcP	PcP	
CMAR			ScP	ScP	
CMAR	Chiang Mai Arr	37.18 306	P	P	19 07 44.9 +0.4
CMAR			P	P	
CM31	Chiang Mai Arr	37.18 306	eP	P	19 07 44.5 +0.1
CM31	comp=Z,43nm,1.0s,mb5.2		ePcP	PcP	19 10 03.4 -0.6
CM31	Toolangi	37.22 159	eP	P	19 07 45.3 +0.7
CM31	comp=Z,64nm,0.9s,mb4.2		S	S	
CHT	Chiangrai	37.28 309	iP	P	19 07 44.5 -0.8
CHT	comp=Z,279nm,0.9s,mb6.1		iP	P	
CHG	Chiang Mai	37.37 307	iP	P	19 07 46.3 +0.3
CHG	comp=Z,15nm,1.0s,mb4.9		iP	P	
CHT	Chiang Mai	37.37 307	eP	P	19 07 46.0 0.0
CHT	comp=Z,63nm,0.9s,mb5.4		eP	P	
CHT	Chiang Mai	37.37 307	eP	P	19 07 46.0 0.0
CHT	comp=Z,63nm,0.9s,mb5.5		pmax	pmax	
CHT	Chiang Mai	37.37 307	P	P	19 07 46.2 +0.2
CHT	Chiang Mai	37.37 307	P	P	19 07 46.8 +0.8
CHT	SNR=29		P	P	
KMI	Kunming	38.42 318	P	P	19 07 55.4 +0.6
KMI			pP	pP	19 08 09.0 +2.2
KMI			S	S	19 13 50.5 +3.5
KMI			pmax	pmax	
KMI	comp=Z,24nm,1.1s,mb4.8		LR	LR	
KMI	comp=Z,90nm,3.2s		LR	LR	
KMI	comp=N,240nm,16.5s,MS4.2		LR	LR	
KMI	comp=E,190nm,16.9s,MS4.2		LR	LR	
KMI	comp=Z,180nm,18.7s,MS3.9		LR	LR	
KMI	Kunming	38.42 318	P	P	19 07 55.4 +0.6
KMI	comp=Z,24nm,1.1s,mb4.8		pP	pP	19 08 09.0 +2.2
KMI			S	S	19 13 50.5 +3.5
KMI			pmax	pmax	
KMI	comp=Z,24nm,1.1s,mb4.8		P	P	19 08 07.3 -2.1
MJAR	Matsushiro Arr	40.18 10	P	P	19 08 07.3 -2.1
MJAR	comp=Z,13nm,0.8s,mb4.7,baz=191,slow=9.8,SNR=34		P	P	19 08 07.3 -2.1
MJAR	Matsushiro Arr	40.18 10	P	P	19 08 07.3 -2.1
MJAR	comp=Z,20nm,0.8s,mb4.9		eP	P	19 08 07.1 -2.3
MAJO	Matsushiro	40.18 10	eP	P	19 08 07.1 -2.3
MAJO	comp=Z,20nm,0.8s,mb4.9		pmax	pmax	
MAT	Matsushiro	40.18 10	P	P	19 08 07.6 -1.8
MAT			S	S	19 14 15.0 +1.8
DZM	Mont Dzumac	40.25 121	eP	P	19 08 13.4 +3.2
DZM	comp=Z,51nm,1.1s,mb5.2		eS	S	19 14 19.8 +5.1
DZM	comp=Z,183nm,34.6s		eLR	LR	19 19 22.1
DZM	comp=Z,843nm,24.5s		eLR	LR	19 19 22.1
KSAR	Wonju Array Be	40.35 358	P	P	19 08 10.8 0.0
KSAR	Wonju Array Be	40.35 358	P	P	19 08 10.8 +0.1
KSAR	Korea Array	40.35 358	P	P	19 08 10.8 -0.1
KSAR	comp=Z,2.9nm,0.8s,mb4.1,baz=178,slow=11,SNR=5.7		LR	LR	19 24 08.7
KSRS	comp=Z,246nm,19.3s,MS4.1,baz=186,slow=35		LR	LR	
CD2	Chengdu	41.94 326	iP	P	19 08 25.6 +1.6
CD2			pP	pP	19 08 37.9 +1.8
CD2			sP	sP	19 08 43.3 +2.1
CD2			pmax	pmax	
CD2	comp=Z,20nm,1.0s,mb4.7		LR	LR	
CD2	comp=Z,120nm,6.0s		LR	LR	
CD2	comp=N,270nm,18.0s,MS4.6		LR	LR	
CD2	comp=E,620nm,13.2s,MS4.6		LR	LR	
CD2	comp=Z,320nm,14.4s,MS4.3		LR	LR	
BJI	Beijing	44.69 345	P	P	19 08 44.9 -1.1
BJI			S	S	19 15 23.8 +4.3
BJI			sS	sS	19 15 44.8 +5.0
BJI			LR	LR	
BJI	comp=N,300nm,14.5s,MS4.4		LR	LR	
BJI	comp=E,180nm,15.7s,MS4.4		LR	LR	
BJI	comp=Z,150nm,22.4s		P	P	19 08 48.8 0.0
SNY	Shenyang	45.05 353	iP	P	19 08 48.8 +1.2
SNY			S	S	19 18 50.9 +2.9
SNY			pmax	pmax	
SNY	comp=Z,18nm,0.9s,mb4.9		pmax	pmax	
SNY	comp=Z,280nm,4.3s		LR	LR	
SNY	comp=E,190nm,15.3s		LR	LR	
SNY	comp=Z,210nm,20.4s		LR	LR	
LZH	Lanzhou	45.90 330	eP	P	19 08 56.5 +0.9
LZH			pP	pP	19 09 07.0 -0.8

LZH			sP	sP	19 09 12.0 -1.0
LZH			pmax	pmax	
LZH	comp=Z,34nm,1.1s,mb5.2		LR	LR	
LZH	comp=Z,260nm,4.8s		LR	LR	
LZH	comp=N,300nm,6.6s		LR	LR	
LZH	comp=E,220nm,8.7s		LR	LR	
LZH	comp=Z,250nm,7.7s		LR	LR	
LZH	Lanzhou	45.90 330	eP	P	19 08 56.5 +0.9
LZH	comp=Z,34nm,1.1s,mb5.2		pP	pP	19 09 07.0 -0.8
LZH			sP	sP	19 09 12.0 -1.0
LZH	Lanzhou	45.90 330	eP	P	19 08 56.5 +0.9
LZH			*PP	*PP	19 09 07.0 -0.8
LZH			*SP	*SP	19 09 12.0 -1.0
LZH			pmax	pmax	
HHC	Hu-ho-hao-te	46.79 341	eP	P	19 09 05.3 +2.8
HHC			pP	pP	19 09 17.3 +2.5
HHC			sP	sP	19 09 23.3 +3.4
HHC			PP	PP	19 10 56.0 +2.8
HHC			S	S	19 15 45.5 +4.3
HHC			ScS	ScS	19 18 52.9 -0.7
HHC			SS	SS	19 19 14.3 -2.5
HHC			pmax	pmax	
HHC	comp=Z,23nm,1.2s,mb5.0		pmax	pmax	
HHC	comp=Z,95nm,3.6s		LR	LR	
HHC	comp=N,220nm,17.8s,MS4.4		LR	LR	
HHC	comp=E,280nm,15.2s,MS4.4		LR	LR	
HHC	comp=Z,240nm,19.0s,MS4.2		LR	LR	
CN2	Changchun	46.83 356	eP	P	19 09 01.8 -1.0
CN2			eP	P	19 09 14.3 -0.7
CN2			sP	sP	19 09 19.5 -0.7
CN2			eS	S	19 15 50.1 0.0
CN2			SS	SS	19 19 14.5 -2.8
CN2			pmax	pmax	
CN2	comp=Z,10.0nm,0.8s,mb4.8		pmax	pmax	
CN2	comp=Z,200nm,4.0s		LR	LR	
CN2	comp=N,200nm,17.0s,MS4.3		LR	LR	
CN2	comp=E,200nm,17.0s,MS4.3		LR	LR	
CN2	comp=Z,300nm,19.0s,MS4.3		P	P	19 09 08.1 +0.3
MDJ	Mudanjiang	47.48 360	P	P	19 09 19.5 -0.6
MDJ			sP	sP	19 09 24.3 -0.9
MDJ			ScP	ScP	19 14 28.1 -0.2
MDJ			PcS	PcS	19 14 32.9 +0.1
MDJ			S	S	19 16 00.8 +1.5
MDJ			pmax	pmax	
MDJ	comp=Z,12nm,1.0s,mb4.8		pmax	pmax	
MDJ	comp=Z,65nm,4.2s		LR	LR	
MDJ	comp=N,94nm,29.4s,MS3.7		LR	LR	
MDJ	comp=Z,71nm,29.8s,MS3.7		LR	LR	
MDJ	comp=Z,170nm,23.4s		LR	LR	
ASAJ	Asahikawa	48.36 12	P	P	19 09 14.8 +0.1
ASAJ	comp=Z,23nm,1.1s,mb5.1,baz=218,slow=15,SNR=4.3		LR	LR	19 29 01.8
ASAJ	comp=Z,224nm,19.4s,MS4.2,baz=192,slow=35		P	P	19 09 14.8 +0.1
ASAJ	comp=Z,12nm,1.0s,mb4.8		P	P	19 09 11.6 -8.4
YUK	Yuzh-Kuril'sk	49.06 15	iP	P	19 16 14.9 -6.8
YUK			iS	S	19 19 44.0 -9.4
YUK			eSS	SS	
YUK			pmax	pmax	
YUK	comp=N,141nm,1.3s		pmax	pmax	
YUK	comp=E,199nm,1.3s		pmax	pmax	
YUK	comp=Z,136nm,1.3s,mb5.8		pmax	pmax	
YUK	comp=Z,322nm,1.9s,mb6.0		MLR	MLR	
YUK	comp=E,104nm,18.0s		MLR	MLR	
YUK	comp=Z,161nm,18.0s,MS4.1		MLR	MLR	
LSA	Lhasa	49.30 314	P	P	19 09 22.4 +0.2
GTA	Gaotai	50.48 330	iP	P	19 09 30.9 -0.1
GTA			pP	pP	19 09 43.4 +0.1
GTA			sP	sP	19 09 48.8 +0.3
GTA			S	S	19 16 40.8 -1.0
GTA			sS	sS	19 17 02.6 +0.2
GTA			pmax	pmax	
GTA	comp=Z,19nm,1.1s,mb5.0		pmax	pmax	
GTA	comp=Z,94nm,5.2s		LR	LR	
GTA	comp=N,190nm,16.4s,MS4.3		LR	LR	
GTA	comp=E,200nm,17.8s,MS4.3		LR	LR	
GTA	comp=Z,160nm,18.5s,MS4.1		LR	LR	
TAPN	Taplejung	50.61 309	eP	P	19 09 31.7 -0.5
TAPN	comp=Z,59nm,1.0s,mb5.4		eP	P	19 09 31.7 -0.5
TAPN	Taplejung	50.61 309	eP	P	19 09 31.7 -0.5
TAPN	comp=Z,53nm,1.0s,mb5.4		eP	P	19 09 31.7 -0.5
ODAN	Odare	50.61 309	eP	P	19 09 31.5 -0.7
ODAN	comp=Z,45nm,0.8s,mb5.4		eP	P	19 09 31.5 -0.7
ODAN	Odare	50.61 309	eP	P	19 09 31.5 -0.7
ODAN	comp=Z,45nm,0.8s,mb5.5		eP	P	19 09 35.6 +0.1
YSS	Yuzh-Sakhalins	51.10 11	eP	P	19 09 35.6 +0.1
YSS	comp=Z,25nm,0.9s,mb5.2		eP	P	19 09 35.4 -0.1
YSS	Yuzh-Sakhalins	51.10 11	eP	P	19 09 35.4 -0.1
YSS	comp=Z,30nm,1.0s,mb5.2		pmax	pmax	
RAMN	Ramite	51.27 308	eP	P	19 09 37.0 -0.2
RAMN	comp=Z,58nm,0.7s,mb5.6		eP	P	19 09 37.0 -0.2
RAMN	Ramite	51.27 308	eP	P	19 09 37.0 -0.2
RAMN	comp=Z,58nm,0.7s,mb5.6		eP	P	19 09 36.8 -1.9
HABR	Khabarovsk	51.54 4	eP	P	19 09 50.8 -5.4
HABR			eSP	S	19 10 49.9 0.0
HABR			eS	S	19 17 12.5 -4.2
HABR			eSS	SS	19 22 33.4 +0.6
HABR			eSS	SS	19 22 12.1
HABR			pmax	pmax	
HABR	comp=Z,34nm,1.4s,mb5.1		pmax	pmax	
HABR	comp=E,40nm,1.				





ellipse: s-maj=54.4km s-min=13.9km az=71.0
ISCJB 13 19:28:02.2,0.9,3.15S,0.06E,129.80E,0.08,h56km,10km,
mb3.6/5,Error ellipse: s-maj=14.2km s-min=9.1km
az=149.4

DJA 13 19:28:02.2,96S,129.78E,h24km,MLV3.4/6
ISC 13 19:28:03.2,0.9,3.13S,0.07E,129.79E,0.08,h46km,10km,
n23,e190,20,mb3.6/5,Seram

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists various seismic stations and their coordinates and phases.

ISCJB 13 19:28:21.4,2.1,31.27N,0.04E,116.76W,0.06,h9km,6km,
MS3.4/2,Error ellipse: s-maj=9.9km s-min=6.0km
az=144.9

ECX 13 19:28:22.4,0.4,31.28N,116.77W,h12km,MD4.0,ML4.1
NEIC 13 19:28:22.5,31.29N,116.77W,h15km,ML3.9(ECX),After
ECX

IDC 13 19:28:23.2,9.31.38N,116.68W,h0km,mb3.4/1,
mb1.3/9.4,mb1mx3.6/23,mbtmp3.4/4,ML3.6/2,MS3.2/3,
mb1.3/2.3,ms1mx2.9/30,Error ellipse: s-maj=45.9km
s-min=15.9km az=46.0

ISC 13 19:28:24.1,1.3,31.39N,0.05E,116.73W,0.07,h10km,6km,
n30,e124/40,MS3.4/2,2C-7D,Baja California

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists seismic stations for Baja California and other regions.

NEIC 13 19:34:47.7,16.93N,100.13W,h5km,MD3.3(MEX),After
MEX
MEX 13 19:34:46.4,0.7,16.88N,100.18W,h9km,6km,MD3.5,
Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists seismic stations near the coast of Guerrero.

Table with columns: UTMO, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists stations in the Huajuapam region.

BUI 13 19:55:40.1,60.90N,150.90W,h53km,mb5.0/14,
mb4.8/21,Ms4.8/6,Ms7.4/6.7

ISCJB 13 19:55:42.5,0.2,60.90N,0.02E,150.88W,0.04,h67km,2km,
mb4.4/61,Error ellipse: s-maj=3.4km s-min=3.0km
az=146.5

IDC 13 19:55:44.4,0.5,61.04N,151.01W,h69km,3km,mb3.9/28,
mb1.4/13.3,mb1mx4.0/36,mbtmp4.0/33,MS3.5/11,
Ms1.3/5.11,ms1mx3.3/47,Error ellipse: s-maj=13.5km
s-min=8.5km az=22.0

NEIC 13 19:55:44.1,60.89N,150.86W,h46km,mb4.6/26,
ML2(AEIC),After AEIC.

NEIC Feit [I] at Anchorage, Eagle River, Kenai, Seward and
Soldotna. Also felt at Chugik, Cooper Landing, Homer,
Indian, Palmer, Sterling and Whittier.

ISC 13 19:55:43.6,0.2,60.90N,0.02E,150.90W,0.04,h59km,2km,
h66km,3.1km,pp-P,216,e1805/201,mb4.5/61,MS3.6/9,
Kenai Peninsula

Large table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists numerous seismic stations across various regions.

Large table with columns: NVAR, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists numerous seismic stations, including some with detailed error ellipses and magnitudes.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Gaotai, Urumqi, Lanzhou, Aktyubinsk, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Gorontalo, Marisa, Tarana Toraja, IDC 13 20:37:14.0, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Charan, Damavand, Lasjerd, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Peninsula, Sulawesi, Cibinong, Manado, etc.



Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes stations like Charters Tower, Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr.

ISCJB 13 21:21:00.4±2.3, 18.2S±0.4; 179.4W±0.4, h54km, 13km, mb3.8/9, Error ellipse: s-maj=79.7km s-min=21.4km az=140.1

NEIC 13 21:21:00.8±1.9, 18.2S±1.7; 179.30W, h539km, 11km, mb4.3/2, Error ellipse: s-maj=61.7km s-min=16.3km az=142.0

IDC 13 21:21:09.1±7.7, 18.56S±1.7; 179.38W, h655km, 91km, mb3.1/8, mb1.3-4/8, mb1mx3.2/16, mbtmp3.1/8, Error ellipse: s-maj=67.8km s-min=40.8km az=128.0

ISC 13 21:21:00.6±2.3, 18.3S±0.4; 179.3W±0.4, h541km, 13km, n25, c059/21, mb3.8/9, Fiji Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes stations like Nonsauv, Charters Tower, Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 13 21:48:02.9±6.8, 18.84S±1.7; 177.68W, h0km, mb3.7/3, mb1.4/0.3, mb1mx3.7/16, mbtmp3.7/3, Error ellipse: s-maj=297.8km s-min=37.1km az=143.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Arr.

IDC 13 22:14:45.8±6.3, 33.01S±1.7; 177.7W, h47km, 82km, mb3.8/3, mb1.4/0.4, mb1mx3.7/16, mbtmp3.9/4, ML4.1/1, Error ellipse: s-maj=67.4km s-min=53.9km az=6.0

ISC 13 22:14:42.1±2.1, 32.99S±0.09; 178.4W±0.3, h35km, n11, c078/14, mb4.0/3, South of Kermadec Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes stations like MXZ Matakoa Point, CNGZ Carnagh Statio, MWZ Matawai, URZ Urewera, etc.

CASC 13 22:15:49.9±2.4, 11.22N±0.86; 147W, h7km, 11km, MD3.8, 1D, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes stations like GBS2 Las Lillas, TICN Ticutape, NY14 Universidad de, etc.

FUNV 13 22:18:29.3, 10.92N±68.68W, h9km, MW3.5, 2C-4D, Near coast of Venezuela

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes stations like JACV Jacura, TURV Turiamo, TEPU Terepaima, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes stations like MONV Sanarito, SANV Sanarito, FUNV FUNVIS, etc.

NEIC 13 22:35:39.1±0.3, 14.19S±1.66; 179E, h10km, mb4.7/12, Error ellipse: s-maj=10.5km s-min=8.6km az=115.0

ISCJB 13 22:35:44.5±1.6, 14.13S±0.06; 166.49E±0.07, h57km, 14km, mb4.6/28, MS5.0/1, Error ellipse: s-maj=11.9km s-min=6.9km az=133.0

IDC 13 22:35:50.5±2.9, 14.07S±1.66; 158E, h87km, 24km, mb4.2/15, mb1.4/2/17, mb1mx4.1/22, mbtmp4.2/17, MS5.0/1, Ms1.5/0.1, ms1mx4.2/17, Error ellipse: s-maj=18.0km s-min=14.4km az=72.0

ISC 13 22:35:46.8±1.2, 14.14S±0.06; 166.54E±0.07, h63km, 11km, n102, c1920/64, mb4.6/28, Vanuatu Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes stations like DZM Mont Dzumac, HNR Honiara, HNR Honiara, etc.

ISC 13 22:37:21.0±1.6, 14.10S±0.04; 166.57E±0.04, h25km, 11km, mb5.0/8, MS5.0/32, Error ellipse: s-maj=7.6km s-min=5.7km az=36.1

MOS 13 22:37:22.3±1.1, 14.16S±1.66; 154E, h33km, mb5.5/30, MS5.0/8, Error ellipse: s-maj=9.9km s-min=8.1km az=43.7

GCMT 13 22:37:25.1±0.1, 14.26S±1.66; 159E, h22km, MW5.6, Moment Tensor Solution, s100, c177, s99, c205; Moment tensor: s100, c177, s99, c205; Mw=2.97±0.4; Ms=0.96±0.7; Mw=0.78±0.03; Mw=0.47±0.06; Best double couple: M3.3, 20000.0, 1017. NP1=1.6500000, 1.6900000, 1.6900000; Principal axes: T 3.0700, P1g2.0000, Azm6.0000; N 1.6000, P1g1.0000; Azm164.0000; -3.2300, P1g7.0000; Azm256.0000; Data Used: II/UC G CN. Surface waves from 110 sta.

BUI 13 22:37:25.4, 13.76S±166.59E, h48km, mb5.5/41, mb4.9/49, MS5.3/40, MS7.4/9/41

IDC 13 22:37:27.2±2.7, 14.16S±1.66; 149E, h60km, 23km, mb4.5/24, mb1.4/6/26, mb1mx4.6/27, mbtmp4.5/26, ML3.7/1, MS5.1/14, Ms1.5/1/4, ms1mx5.0/19, Error ellipse: s-maj=13.6km s-min=12.3km az=61.0

ISC 13 22:37:25.0±0.9, 14.12S±0.04; 166.57E±0.04, h25km, 9km, h48km, 23km, p1390, c117213, mb5.0/78, MS5.0/32, 9C-3D, Vanuatu Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes stations like DZM Mont Dzumac, HNR Honiara, HNR Honiara, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes stations like FINES FINESS Array B, NOA NORAR Array B, GERA GERESS Array B, etc.

ISC 13 22:37:19.2±0.2, 13.79S±1.66; 179E, h10km, Mb5.2/4, Ms5.1/10, Error ellipse: s-maj=24.6km s-min=7.6km

NEIC 13 22:37:20.3±0.2, 14.10S±1.66; 157E, h14km, mb5.4/36, MW5.4/8, Error ellipse: s-maj=7.1km s-min=6.7km az=35.0, Moment Tensor Solution, s40 Moment tensor: s1017Nm; Mr=1.51; Mw=0.36; Mw=1.14; Mw=0.35; Mw=0.11; Mw=0.47; Best double couple: M1.5000000x1017 NP1: 0.35800000, 0.35800000, 1.10300000; Principal axes: T 1.6500, P1g7.0000, Azm44.0000; N -0.3900, P1g7.0000, Azm167.0000; P -1.2500, P1g10.0000, Azm258.0000

ISCJB 13 22:37:21.0±1.6, 14.10S±0.04; 166.57E±0.04, h25km, 11km, mb5.0/8, MS5.0/32, Error ellipse: s-maj=7.6km s-min=5.7km az=36.1

MOS 13 22:37:22.3±1.1, 14.16S±1.66; 154E, h33km, mb5.5/30, MS5.0/8, Error ellipse: s-maj=9.9km s-min=8.1km az=43.7

GCMT 13 22:37:25.1±0.1, 14.26S±1.66; 159E, h22km, MW5.6, Moment Tensor Solution, s100, c177, s99, c205; Moment tensor: s100, c177, s99, c205; Mw=2.97±0.4; Ms=0.96±0.7; Mw=0.78±0.03; Mw=0.47±0.06; Best double couple: M3.3, 20000.0, 1017. NP1=1.6500000, 1.6900000, 1.6900000; Principal axes: T 3.0700, P1g2.0000, Azm6.0000; N 1.6000, P1g1.0000; Azm164.0000; -3.2300, P1g7.0000; Azm256.0000; Data Used: II/UC G CN. Surface waves from 110 sta.

BUI 13 22:37:25.4, 13.76S±166.59E, h48km, mb5.5/41, mb4.9/49, MS5.3/40, MS7.4/9/41

IDC 13 22:37:27.2±2.7, 14.16S±1.66; 149E, h60km, 23km, mb4.5/24, mb1.4/6/26, mb1mx4.6/27, mbtmp4.5/26, ML3.7/1, MS5.1/14, Ms1.5/1/4, ms1mx5.0/19, Error ellipse: s-maj=13.6km s-min=12.3km az=61.0

ISC 13 22:37:25.0±0.9, 14.12S±0.04; 166.57E±0.04, h25km, 9km, h48km, 23km, p1390, c117213, mb5.0/78, MS5.0/32, 9C-3D, Vanuatu Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes stations like DZM Mont Dzumac, HNR Honiara, HNR Honiara, etc.

ISC 13 22:37:25.0±0.9, 14.12S±0.04; 166.57E±0.04, h25km, 9km, h48km, 23km, p1390, c117213, mb5.0/78, MS5.0/32, 9C-3D, Vanuatu Islands

ISC 13 22:37:25.0±0.9, 14.12S±0.04; 166.57E±0.04, h25km, 9km, h48km, 23km, p1390, c117213, mb5.0/78, MS5.0/32, 9C-3D, Vanuatu Islands

ISC 13 22:37:25.0±0.9, 14.12S±0.04; 166.57E±0.04, h25km, 9km, h48km, 23km, p1390, c117213, mb5.0/78, MS5.0/32, 9C-3D, Vanuatu Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes stations like DZM Mont Dzumac, HNR Honiara, HNR Honiara, etc.











Table with columns: PGF, Pioggiola, 145.78 330 ePKP1, PKPdf, 23 36 52.6 -0.8, etc. Includes various station codes and coordinates.

Table with columns: SBF, Sospel, 145.56 330 eP, PKPdf, 23 39 51.1 +1.2, etc. Includes station codes and coordinates.

ISCJJB 13 23:30:17.0 D.0.8, 23.945:0.04:179.71W:0.07, h506km, 10km, mb4.5/29, Error ellipse: s-maj=10.0km, s-min=5.7km az=15.6

IDC 13 23:30:17.5: 1.3, 23.825:179.70W, h497km, 13km, mb4.0/16, mb1.4, 1/17, mb1mx4.0/21, mbtmp4.0/17, Error ellipse: s-maj=15.7km s-min=12.1km az=147.0

NEIC 13 23:30:18.0:0.7, 23.915:179.68W, h507km, 8km, mb4.9/17, Error ellipse: s-maj=10.0km s-min=8.2km az=130.0

ISC 13 23:30:19.3:0.9, 24.045:0.04:179.74W:0.08, h20km, 10km, m94, o1514/81, mPhase 5/28, South of Fiji

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like Nonsavu, Ouz, Afi, etc.

Table with columns: INK, Inuvik, 98.09 16 P, Pdf, 23 42 57.9 -2.0, etc. Includes various station codes and coordinates.

IDC 13 23:41:04.2:2.2, 14.015:166.61E, h0km, mb3.8/5, mb1.4 0.05, mb1mx3.7, slow=2.8, mbtmp3.8/5, Error ellipse: s-maj=103.5km s-min=26.6km az=137.0, Vanuatu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like DZM, Ouz, Afi, etc.

ISK 13 23:46:19.7, 39.22N-26.19E, h8km, MD3.2, CSEM 13 23:46:20.7:0.1, 39.21N-26.21E, h10km, ML2.7/3, Error ellipse: s-maj=2.9km s-min=2.6km az=75.0

ISCJJB 13 23:46:20.7:0.3, 39.23N:0.02:26.21E:0.03, h11km, 2km, Error ellipse: s-maj=3.8km s-min=3.2km az=173.7

DDA 13 23:46:20.3, 39.24N-26.23E, h32km, 3km, MD3.0, THE 13 23:46:21.7, 39.24N-26.21E, h4km, 2km, ML2.7/3, Error ellipse: s-maj=2.6km s-min=0.5km az=72.0

ATH 13 23:46:21.3, 39.16N-26.21E, h39km, 1km, MD3.5, ISC 13 23:46:21.1, 0.3, 39.22N:0.02:26.23E:0.03, h11km, 2km, m91, o568/118, Turky

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like PRK, Parakevi, SIGR, Sigriri, etc.

IDC 13 23:20:09.3: 1.4, 24.28S:166.89E, h0km, mb4.2/11, s-maj=4.3/11, mb1mx4.2/16, mbtmp4.1/11, Error ellipse: s-maj=54.1km s-min=23.1km az=132.0

NEIC 13 23:20:11.5:0.4, 24.20S:166.81E, h10km, mb4.7/2, Error ellipse: s-maj=9.9km s-min=13.5km az=106.0

ISCJJB 13 23:20:13.5:0.5, 14.19S:0.09:166.7E:0.1, h33km, mb4.2/15, Error ellipse: s-maj=17.3km s-min=12.6km az=173.1

ISC 13 23:20:15.2:0.5, 14.20S:0.09:166.8E:0.1, h35km, m67, o85/31, mb4.2/15, 1C-1D, Vanuatu Islands

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















Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MKAR Makanchi Array, ESDC Sonseca Array, MJAR Matushiro Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TKM2 Tokmak 2, TKM2 SNR=50, TKM2 32m,0.5s, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PVCP Vira, GQP Guinayangan, CNP Caturman, etc.

MOS 14 03:21:14.6:0.8,56:13N:163.95E,h16km,mb4.3/1, Error ellipse: s-maj=21.0km s-min=15.9km az=54.4

IDC 14 03:53:07.0:1.1, 14:76S:167:42E,h0km,mb3.9/7, mb1.4/0.7, mb1mx3.9/17, mbtmp3.9/7, Error ellipse:

Ms1 3.5/7, ms1mx3.3/31, Error ellipse: s-maj=17.1km s-min=10.1km az=65.0

KRSC 14 03:21:16.1:0.5,56:13N:163.85E,h20km,mb4.2, Near east coast of Kamchatka Peninsula

IDC 14 03:53:07.0:1.1, 14:76S:167:42E,h0km,mb3.9/7, mb1.4/0.7, mb1mx3.9/17, mbtmp3.9/7, Error ellipse:

NEIC 14 03:53:23.2:3.2, 15:04S:167:30E,h134km,mb22km,mb4.2/2, Error ellipse: s-maj=22.1km s-min=18.4km az=221.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KBTR Krutoberegovo, KBTB Krutoberegovo, SMKR Semkarok, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, DZM Mont Dzumac, DZM Port Laguerre, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ASAJ Ashikawa, MBWA Mawab, WRAB Tennant Creek, etc.

KNET 14 03:27:42.0:0.6, 41:56N:73:07E,h14km,mb3,ml2.8, Error ellipse: s-maj=6.7km s-min=3.3km az=148.0

IDC 14 03:53:56.0:1.1, 32:83N:106:01E,h0km,mb3.6/6, mb1.3/7.6, mb1mx3.5/24, mbtmp3.6/6, Error ellipse:

ISCJB 14 03:53:55.4:0.6, 32:37N:106:00E,0:07,h10km, mb3.6/6, Error ellipse: s-maj=10.9km s-min=5.2km

ISCJB 14 03:27:42.5:1.7, 41:6N:0:1:72:90E,0:08,h10km, Error ellipse: s-maj=21.1km s-min=8.4km az=170.0

IDC 14 03:53:56.0:1.1, 32:83N:106:01E,h0km,mb3.6/6, mb1.3/7.6, mb1mx3.5/24, mbtmp3.6/6, Error ellipse:

NEIC 14 03:53:55.4:0.6, 32:37N:106:00E,0:07,h10km, mb3.6/6, Error ellipse: s-maj=10.9km s-min=5.2km

NNC 14 03:27:43.4:1.6, 41:70N:72:92E,h0km,mb3.9,mpv3.4, Error ellipse: s-maj=21.7km s-min=5.9km az=1.0

BUI 14 03:53:59.1, 32:19N:105:13E,h20km,ML3.1/9

ISC 14 03:53:58.2:0.6, 32:39N:104:104:90E,0:06,h10km,n9, e111/16,mb3.6/6,Sichuan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AML Almayusho, AML SNR=41, AML 120nm,0.2s, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CD2 Chengdu, CD2 Chengdu, CD2 Chengdu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZALV Erkin-Say, etc.

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

IDC 14 04:43:15.3:0.9,51.53N:174.21W,h0km,mb3.9/18, m1.4,1/20,mb1mx4.0/30,mbtmp3.9/20,ML3.8/2,MS3.4/4, Ms1.3/4,ms1mx4.1/46,Error ellipse: s-maj=26.8km s-min=14.1km az=174.0

ISCJB 14 04:43:18.4:1.5,51.33N:07.174:16W:0.05,h33km,9km, mb4.4/3,MS3.8/2,Error ellipse: s-maj=11.2km s-min=5.0km az=172.7

NEIC 14 04:43:19.2:1.4,51.38N:174.19W,h26km,8km,mb3.9/5, ML3.6(AEIC),Error ellipse: s-maj=9.7km s-min=3.5km az=166.0

ISC 14 04:43:19.0:1.6,51.38N:0.06:174.20W:0.05, h24km,11km,n127,c0969/129,mb4.4/3,MS3.8/2, Andreanof Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Flat Point, Mount Kiluichef, Great Sitkin C, Kagalaska Isla, Kanaga Island, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Attu Island-F, Kodiak Island, Petropavlovsk, McKinley, College, Eielson Array, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Korea Array, Wonju Array, Pinedale Array, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like DMN Daman, DANN Danning, KOLN Koldanda, AKASE Malin Array Be, etc.

NEIC 14 04:43:55.7:32.56N:115.53W,h5km,ML3.3(ECX), ML3.3(PAS),After ECG

NEIC 14 04:43:55.7:0.5,32.56N-115.53W,h5km,MD3.3,ML3.6, 7C-4D,California-Baja California border region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Mount Signal, Schaffner Ranc, Cook Ranch, etc.

CSEM 14 04:48:06.5:38.70N-22.53E,h16km,ML1.4/2,After THE THE 14 04:48:06.5:38.70N-22.53E,h16km,ML1.4/2,Error ellipse: s-maj=1.2km s-min=0.4km az=67.0, Greece

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

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

IDC 14 04:50:01.9:1.1,51.48N:174.03W,h0km,mb3.8/5, m1.4,0/17,mb1mx3.9/29,mbtmp3.8/17,ML3.7/2,Error ellipse: s-maj=31.0km s-min=14.1km az=174.0

ISCJB 14 04:50:03.8:1.6,51.49N:07.174:17W:0.05, h22km,10km,mb4.2/37,Error ellipse: s-maj=14.2km s-min=4.9km az=176.0

NEIC 14 04:50:04.8:1.5,51.32N:174.12W,h26km,8km,mb3.9/8, ML3.4(AEIC),Error ellipse: s-maj=11.2km s-min=3.7km az=164.0

ISC 14 04:50:06.0:1.5,51.41N:07.174:17W:0.05, h26km,9km, n109,c082/114,mb4.2/37,Andreanof Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Flat Point, Mount Kiluichef, Korovin Southe, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Eielson Array, Kodiak Island, McKinley, College, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Mentasta, Eagle, Inuvik, Yellowknife Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various numerical values. Includes stations like JURN, RAMN, KKN, etc.

MOS 14 05:13:01.3, 0.58:78S:26.10W, h33km, mb5.39, Error ellipse: s-maj=27.1km s-min=13.3km az=100.8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various numerical values. Includes stations like VNA1, VNA2, VNA3, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various numerical values. Includes stations like CFAA, CFAA SUR, CFAA SUR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various numerical values. Includes stations like FRB, FINES, FINES, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, ID, Time, Res. Includes stations like Ulanbaatar, Eielson Array, etc.

NEIC 14 05:38:23.9, 0.6, 24.07N, 122.64E, h10km, MG3.4(JMA), Error ellipse: s-maj=8.7km s-min=8.1km az=212.0

ISCJB 14 05:38:25.6, 0.6, 23.92N, 0.02, 122.51E, 0.02, h5km, 4km, mb3.6/10, Error ellipse: s-maj=2.8km s-min=2.5km az=159.1

JMA 14 05:38:26.8, 0.4, 23.98N, 122.48E, h19km, M3.4

TAP 14 05:38:27.6, 23.98N, 122.49E, h26km, ML4.1, C

IDC 14 05:38:29.6, 3.24, 1.0N, 122.45E, h82km, 59km, mb3.4/10, mb1.3/11, mb1mx3.5/24, mbtmp3.5/11, ML4.0/1, MS3.4/1, Ms1.3/4.1, ms1mx2.2/20, Error ellipse: s-maj=33.8km s-min=15.4km az=67.0

ISC 14 05:38:26.2, 0.4, 23.94N, 0.02, 122.52E, 0.02, h9km, 2km, n87, c1511/144, mb3.6/10, 2C-10D, Taiwan region

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, ID, Time, Res. Includes stations like Yonaguni jima, Hwalien, Chiawan, etc.

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, ID, Time, Res. Includes stations like NCU, NSY, WNT, etc.

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, ID, Time, Res. Includes stations like az=54.0, ISCJB, etc.



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

CSEM 14 06:35:49.0.0.2, 41.98N-20.26E, h2km, ML3.0, Error ellipse: s-maj=3.4km s-min=2.7km az=48.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PUK, Peshkopia, Bajram Curri, etc.

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

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

IGQ 14 06:42:45.9, 1.275S-81.16W, h12km, Mb4.4, Ms4.2, 3C-4D, Error ellipse: s-maj=7.1km s-min=5.9km

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

IDC 14 06:44:33.7.1.7, 31.17S-176.90W, h0km, mb3.9/3, mb1.4/0.4, mb1mx3.8/1.6, mbtmp3.9/4, ML3.5/1, Error ellipse: s-maj=39.4km s-min=36.0km az=115.0

NEIC 14 06:44:33.9.6.6, 31.20S-176.79W, h6km, 39km, mb4.1/1, Error ellipse: s-maj=32.2km s-min=15.0km az=90.0

ISCJB 14 06:44:39.1.1.0, 31.22S-177.3W, h0.2, h33km, mb3.4/1, Error ellipse: s-maj=21.3km s-min=10.2km az=9.9

ISC 14 06:44:40.5.1.0, 31.14S-108.177.2W, h35km, n17, o092/15, mb3.9/4, Kermadec Islands region

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

IDC 14 06:56:58.6.2.7, 13.71S-166.35E, h0km, mb3.7/4, mb1.3/0.4, mb1mx3.7/1.6, mbtmp3.7/4, MS3.3/2, Ms1.3/4.2, s-min=29.2km, Error ellipse: s-maj=129.4km

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

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

ISCJB 14 07:29.6.0.2, 35.90N-102.27.95E, h77km, 3km, mb3.5/10, Error ellipse: s-maj=2.8km s-min=2.5km az=16.7

ISK 14 07:27:31.1, 36.03N-27.83E, h76km, MD3.6, DDA 14 07:27:31.4, 36.09N-27.91E, h37km, MD3.5, NEIC 14 07:27:31.7, 0.5, 35.88N-27.96E, h84km, 8km, mb4.4/10, MD3.6(1SK), Error ellipse: s-maj=8.8km s-min=5.3km az=188.0

CSEM 14 07:27:31.1.0.1, 35.91N-27.95E, h73km, 1km, ML3.2, Mw3.4, Error ellipse: s-maj=2.9km s-min=2.5km az=29.0, IDC 14 07:27:32.6.1.1, 35.82N-28.17E, h94km, 23km, mb3.3/8, mb1.3/0.6, mb1mx3.5/1.1, mbtmp3.5/1.6, Error ellipse: s-maj=16.2km s-min=14.3km az=62.0

ATH 14 07:27:32.5, 36.21N-27.73E, h29km, 1km, ML3.2, THE 14 07:27:34.9, 36.02N-27.72E, h40km, 5km, Error ellipse: s-maj=5.9km s-min=1.4km az=111.0, HLW 14 07:27:35.9, 35.62N-28.02E, h32km, 19km, MD3.4, ML3.7, NIC 14 07:27:36.1.0.2, 35.91N-28.46E, h35km, mb4.1, ML3.5, MW3.4

ISC 14 07:27:31.0.0.2, 35.91N-27.95E, h73km, 0.2, h70km, 3km, n280, o1810/369, mb3.5/10, 3C-1D, Dodecanese Islands

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

IDC 14 06:44:33.7.1.7, 31.17S-176.90W, h0km, mb3.9/3, mb1.4/0.4, mb1mx3.8/1.6, mbtmp3.9/4, ML3.5/1, Error ellipse: s-maj=39.4km s-min=36.0km az=115.0

NEIC 14 06:44:33.9.6.6, 31.20S-176.79W, h6km, 39km, mb4.1/1, Error ellipse: s-maj=32.2km s-min=15.0km az=90.0

ISCJB 14 06:44:39.1.1.0, 31.22S-177.3W, h0.2, h33km, mb3.4/1, Error ellipse: s-maj=21.3km s-min=10.2km az=9.9

ISC 14 06:44:40.5.1.0, 31.14S-108.177.2W, h35km, n17, o092/15, mb3.9/4, Kermadec Islands region

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

Table with columns: Station Name, Frequency, Mode, Band, and Time. Includes stations like VAM Vados, DEMI Demirci, GVD Gavdhos, SHUT Suhut-Afyon, etc.

Table with columns: Station Name, Frequency, Mode, Band, and Time. Includes stations like TR2 Jabal Katrina, HDKI Dakhla, KEST Kesra, etc.

Table with columns: Station Name, Frequency, Mode, Band, and Time. Includes stations like KURK Kurchatov, YKA Yellowknife Ar, YKA Yellowknife Ar, etc.







Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HHC Hu-ho-hao-te, BJI Beijing, FITZ Fitzroy Crossi, etc.

ISC 14 09:46:31.5:0.9, 9:28N, 122:67E, h0km, mb3.7/5, mb1.4/0.5, mb1mx3.7/19, mbtmpp3.7/5, MS3.3/4, Ms1.3/3.4, ms1mx2.8/35, Error ellipse: s-maj=53.8km s-min=20.5km bz=65.0

ISCJB 14 09:46:34.4:1.4, 9:17N, 0:05E, 122:49E, h29km, 10km, mb3.7/5, MS3.1/2, Error ellipse: s-maj=11.2km s-min=7.6km az=19.8

MAN 14 09:46:34.9:25N, 122:45E, h31km, mb4.5, ML3.4, MS3.2, ISC 14 09:46:34.8:1.7, 9:18N, 0:05E, 122:52E, h0.07, h22km, 13km, n18, e0979/18, mb3.7/5, MS3.1/2, 4C, Negros

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SNPH Sibulan, IPIL Ipil, TAGBILARAN, etc.

ISC 14 09:51:40.9:2.3, 6:68S, 129:85E, h0km, mb3.6/1, mb1.3/5.4, mb1mx3.4/15, mbtmpp3.3/4, ML3.3/3, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

SKO 14 09:57:00.5, 39:90N, 22:68E, h50km, ATH 14 09:57:03.2, 39:99N, 22:46E, h26km, 1km, MD3.3/7, ISCJB 14 09:57:04.3:0.5, 39:98N, 0:03E, 22:47E, h1km, 3km, Error ellipse: s-maj=7.4km s-min=4.2km az=31.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like THL Klokotos Trika, KZN Kozani, PLG Polygyros, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ANDN Andirin, KOZT Kozan, KMRK Kahramanmaras, etc.

ISCJB 14 10:00:35.1:0.4, 36:50N, 0:03E, 71:26E, h157km, 9km, Error ellipse: s-maj=8.9km s-min=4.5km az=153.6, NEIC 14 10:00:35.0:6.3, 36:45N, 71:32E, h136km, 17km, mb4.6/13, NNC 14 10:00:36.3:7.7, 37:01N, 70:37E, h9km, mb4.3/9, Error ellipse: s-maj=6.1km s-min=4.4km az=176.0

ISC 14 10:00:36.1:0.4, 36:52N, 0:03E, 71:32E, h0.07, h145km, 9km, n48, e109/60, 4C-5D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KBL Kabul, CHER Cherat, CHCP Chirah Chowk, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KHET Khetri, AYAN Aya Nagar, SONA Sohna, etc.

NIED 14 10:25:00, 36:40N, 141:10E, h29km, Mw4.6 Best double couple: Mb8.69000x1015 NP1:0.51, 0.0000, 871.00000, 7.109.00000, NP2:0.184, 0.0000, 827.00000, 1.46.00000, BUJ 14 10:25:36.1, 36:38N, 141:42E, h27km, mb5.0/26, mb4.8/41, Mw4.4/31, Ms7.4/132

ISCJB 14 10:25:40.5:0.5, 36:43N, 0:03E, 141:05E, h37km, 4km, mb4.8/30, MS4.0/28, Error ellipse: s-maj=5.4km s-min=3.7km az=155.1

IDC 14 10:25:41.9:0.6, 36:34N, 140:98E, h39km, 4km, mb4.4/29, mb1.4/5.31, mb1mx4.5/33, mbtmpp4.4/31, ML4.6/2, MS4.0/19, Ms1.4/1.19, ms1mx3.8/39, Error ellipse: s-maj=12.8km s-min=12.3km az=165.0

NEIC 14 10:25:41.0, 36:38N, 141:05E, h45km, mb4.9/69, Mw4.6(NIED), After JMA

NEIC Recv'd (3 JMA) in Ibaraki and Tochigi; [2 JMA] in Chiba and Fukushima; [1 JMA] in Gumma, Iiyagi and Saitama. JMA 14 10:25:41.0:1.3, 36:38N, 141:05E, h34km, 1km, M4.4

Broadband fault plane solution: P waves. NP1: 0.42, 0.0000, 867.00000, 1.93.00000, NP2:0.215, 0.0000, 823.00000, 1.83.00000. Principal axes: T P1g68.00000, Azm318.00000; N P1g3.00000; Azm221.00000; P P1g22.00000; Azm130.00000.

JMA Felt III J1. MOS 14 10:25:41.7:0.7, 36:76N, 140:92E, h33km, mb5.0/68, Error ellipse: s-maj=7.5km s-min=4.7km az=105.4

SZGRF 14 10:25:43.9, 37:46N, 140:43E, h33km, mb4.8, Eastern Honshu, Japan

ISC 14 10:25:41.8:0.7, 36:41N, 0:03E, 141:00E, h34km, 4km, h40km, 3.5km, pP-P, n409, e089/428, mb4.8/31, MS4.0/28, 10C-16D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JHO Hitachi, JYO Yasato, CHOJ Chosi, etc.



Table with columns for station name, frequency, polarization, and coordinates. Includes stations like Korea Array, Wujia Array Be, Yuzh-Sakhalins, etc.

Table with columns for station name, frequency, polarization, and coordinates. Includes stations like Ulanbaatar, Songino Array, Lanzhou, etc.

Table with columns for station name, frequency, polarization, and coordinates. Includes stations like Makanchi Array, Kurchatov, Ramite, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like BVAR, BVAR, BRVK, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like VSR, FINES, KIV, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like BRTR, CCUT, OJC, etc.





Table with columns: CHN1, Nanshi, SGST, Jianshan, etc. Includes station names, coordinates, and other technical details.

Table with columns: KURK, WRA, WRA, etc. Includes station names, coordinates, and other technical details.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes station codes and names.

NCC 14:13:59:56.3, 28.07, 37.88N-71.56E, h0km, mb3.6, mpv3.3, 13-20. Error ellipse: s-maj=147.4km s-min=91.8km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes station codes and names.

ISC/JB 14 01:15.0, 0.3, 33.96N, 105.136, 72E, 0.07, h374km, 2km, mb3.5/26, Error ellipse: s-maj=9.6km

JMA 14 01:15.2, 0.3, 34.03N, 136.66E, h373km, 3km, M3.3, NEIC 14 01:15.6, 0.5, 33.36N, 136.74E, h364km, mb3.6/4,

ISC 14 01:16.0, 0.1, 33.99N, 136.72E, h365km, 13km, mb3.3/23, mb1 3.5/26, mb1mx3.4/32, mbtmp3.3/26, Error ellipse: s-maj=11.9km s-min=9.3km az=93.0

ISC 14 01:16.0, 0.3, 33.97N, 105.136, 72E, 0.07, h367km, 2km, n80, c080/87, mb3.5/26, Near south coast of western Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes station codes and names.

Table with columns: BVAR, Borovoye Array, BRVK, Borovoye, etc. Includes station names, coordinates, and other technical details.

NDI 14 14:02:12.8, 3.8, 27.45N, 88.51E, h33km, ML3.3, DMN 14 14:02:12.0, 0.4, 27.46N, 88.66E, h10km, ML4.8/7, Error ellipse: s-maj=5.5km s-min=6.1km az=147.0

NEIC 14 14:02:14.9, 2.0, 27.54N, 88.47E, h53km, 33km, Error ellipse: s-maj=30.0km s-min=18.5km az=46.0

IDC 14 14:02:17.9, 4.0, 28.57N, 88.66E, h0km, mb3.4/2, mb1 3.5/4, mb1mx3.3/26, mbtmp3.3/26, Error ellipse: s-maj=86.6km s-min=36.4km az=53.0

ISC 14 01:12.0, 0.8, 27.57N, 105.085, 88.60E, 0.03, h18km, 5km, n39, c193/57, mb3.6/3, Sikkim

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes station codes and names.

WEL 14 14:05:39.8, 0.4, 38.99S, 175.11E, h214km, 3km, ML3.5/5, Error ellipse: s-maj=4.6km s-min=3.3km az=90.0, North

14d 14h

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time Res, Res, h m s ISC, Res. Includes stations like MOVZ Moawhango, WAZ Wanganui, BHHZ Black Hill Sta, etc.

14d 14:07:28.6 0.6, 6.37S, 130.52E, h0km, mb4.0/11, mb1 4.2/14, mb1mx4.1/18, mbtmp4.1/14, ML4.6/3.3, MS3.0/2, Ms1 3.0/2, ms1mx2.4/25, Error ellipse: s-maj=35.5km, s-min=14.0km az=75.0

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time Res, Res, h m s ISC, Res. Includes stations like TLE Tual, MSAI Masohi, FAKI Fak Fak, etc.

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Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time Res, Res, h m s ISC, Res. Includes stations like SONM Songo Array, MK31 Makanchi Array, MKAR Makanchi Array, etc.

NIED 14 14:34:00.37, 20N, 142.20E, h17km, Mw4.0 Best double couple: M1: 25000x1015, NP2: 352.00000, 885.00000, 7.109.00000, NP2: 352.00000, 820.00000, 7.12.00000

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time Res, Res, h m s ISC, Res. Includes stations like JFK Kawauchi, ONAJ Iwakimizuishi, JMM Marumori, etc.

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time Res, Res, h m s ISC, Res. Includes stations like MJAR Matsushiro Arr, MAJO Matsushiro, MAJAO Matsushiro, etc.

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Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time Res, Res, h m s ISC, Res. Includes stations like KMI Kunning, KMI comp=2.10nm, 0.6s, mb4.9, CMAR Chiang Mai Arr, etc.

14d 14:40:33.4 0.9, 1.93N, 84.55W, h0km, mb3.6/6, mb1 4.0/9, mb1mx3.9/20, mbtmp3.7/9, ML3.8/3, MS4.0/15, Ms1 4.1/15, ms1mx3.9/28, Error ellipse: s-maj=36.4km s-min=16.7km az=61.0











Table with columns: LSP, Las Mesas, 2.76 2601 eP, Pn, 17 23 50.5 +0.2, etc. Includes stations like Las Mesas, Cabo Rojo, Guadalupe-1, etc.

Table with columns: WNVZ, Wahianoa, 0.82 188, PN, Pn, 17 45 59.6 +0.3, etc. Includes stations like Wahianoa, Moavate, MtVz, etc.

Table with columns: CMIG, Matias Romero, 6.92 305, P, Pn, 18 57 03.4 +1.3, etc. Includes stations like Matias Romero, Tepich, etc.

ISCJB 14 17:36:23.1±1.1, 52.6N±0.1, 169.5W±0.1, h54km, 7km, mb3.9/17, Error ellipse: s-maj=22.4km s-min=8.6km az=161.0

NEIC 14 17:36:24.8±0.9, 52.67N±0.09, 169.40W, h51km±6km, mb3.8/1, ML3.3(AEIC), Error ellipse: s-maj=16.5km s-min=6.8km az=167.0

ISC 14 17:36:25.0±0.3, 51.62N±0.03, 169.40W, h52km±7km, mb3.6/15, mb1.3/8/19, mb1mx3.7/32, mbtmp3.6/19, ML3.6/4, Error ellipse: s-maj=25.8km s-min=13.6km az=171.0

ISC 14 17:36:24.2±1.1, 52.6N±0.1, 169.5W±0.1, h47km±8km, n53, 0.099/57, mb3.9/17, Fox Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc. Lists various stations like NIKO, OKSP, OKWE, etc.

IDC 14 17:51:38.4±2.7, 37.15N±1.42, 142.46E, h0km, mb3.4/2, mb1.3/6/3, mb1mx3.2/23, mbtmp3.3/3, ML3.2/1, MS3.2/1, Ms1.3/2/1, ms1mx2.6/16, Error ellipse: s-maj=55.5km s-min=33.5km az=40.0

JMA 14 17:51:42.6±0.2, 37.24N±1.42, 142.12E, h38km, M3.4, ISCJB 14 17:51:43.7±1.2, 37.25N±0.05, 142.08E, 0.09, h33km, mb3.2/2, Error ellipse: s-maj=11.1km s-min=6.1km az=31.4

ISC 14 17:51:44.7±1.1, 37.25N±0.05, 142.06E±0.08, h35km±16, 0.105/24, mb3.2/2, Off east coast of Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc. Lists stations like JFK, KAW, ONAJ, etc.

MAN 14 18:08:30, 7.28N±1.25, 151E, h31km, mb4.9, ML3.8, MS3.8, 3C, Mindanao

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc. Lists stations like DMPH, MATI, etc.

ISCJB 14 18:55:22.4±0.8, 13.22N±0.1, 88.96W±0.05, h68km±6km, mb3.4/4, Error ellipse: s-maj=17.7km s-min=5.0km az=19.5

CASC 14 18:55:24.4±2.3, 13.23N±0.88, 88.86W, h94km±14km, MD3.8, ML4.2, IDC 14 18:55:24.4±2.3, 13.23N±0.88, 88.86W, h94km±14km, mb3.0/4, mb1.3/5/7, mb1mx3.3/21, mbtmp3.2/7, MS2.7/1, Ms1.2/7/1, ms1mx2.2/12, Error ellipse: s-maj=43.2km s-min=18.8km az=41.0

NEIC 14 18:55:24.4±1.3, 13.22N±0.88, 88.86W, h91km±11km, MD4.1(SNET), Error ellipse: s-maj=28.4km s-min=12.8km az=49.0

NEIC Felt [I] at Zacatecoluca, ISC 14 18:55:23.3±0.8, 13.18N±0.1, 88.96W±0.05, h60km±7km, n42, 0.109/47, mb3.4/4, El Salvador

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc. Lists stations like AIES, AIES, ANVS, etc.

NIED 14 19:24:00, 37.10N, 142.30E, h26km, Mw4.0, Best double couple, M1 14000±1015, N1 14000±1015, N1P1 351±00000, 0.723, 0.00000, 1.7, 0.100000, NP2 136.00000, 820.00000, 0.57, 0.00000, JMA 14 19:24:02.0±0.2, 37.11N±1.14, 142.33E, h18km±3km, M4.2, IDC 14 19:24:02.1±0.7, 37.09N±1.42, 142.18E, h0km, mb3.9/13, mb1.4/1/15, mb1mx4.0/25, mbtmp3.9/15, ML3.6/2, MS3.2/4, Ms1.3/2/4, ms1mx2.8/38, Error ellipse: s-maj=19.6km s-min=16.3km az=116.0

ISCJB 14 19:24:02.4±1.5, 37.17N±1.40, 142.32E±0.04, h14km±9km, mb4.2/24, Error ellipse: s-maj=6.8km s-min=5.4km az=161.9

NEIC 14 19:24:04.6±4.9, 37.12N±1.42, 142.15E, h15km±29km, mb4.6/6, MW4.0(NIED), Error ellipse: s-maj=14.3km s-min=9.8km az=192.0

MOS 14 19:24:05.4±1.1, 37.17N±1.42, 142.23E, h39km, mb4.3/12, Error ellipse: s-maj=11.5km s-min=10.4km az=134.0

ISC 14 19:24:02.7±1.0, 37.19N±0.04, 142.23E±0.04, h1km±5km, n96, 0.095/103, mb4.3/24, 1C-1D, Off east coast of Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc. Lists stations like JFK, KAW, ONAJ, etc.

MAN 14 18:08:30, 7.28N±1.25, 151E, h31km, mb4.9, ML3.8, MS3.8, 3C, Mindanao

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc. Lists stations like DMPH, MATI, etc.

ISCJB 14 18:55:22.4±0.8, 13.22N±0.1, 88.96W±0.05, h68km±6km, mb3.4/4, Error ellipse: s-maj=17.7km s-min=5.0km az=19.5

CASC 14 18:55:24.4±2.3, 13.23N±0.88, 88.86W, h94km±14km, MD3.8, ML4.2, IDC 14 18:55:24.4±2.3, 13.23N±0.88, 88.86W, h94km±14km, mb3.0/4, mb1.3/5/7, mb1mx3.3/21, mbtmp3.2/7, MS2.7/1, Ms1.2/7/1, ms1mx2.2/12, Error ellipse: s-maj=43.2km s-min=18.8km az=41.0

NEIC 14 18:55:24.4±1.3, 13.22N±0.88, 88.86W, h91km±11km, MD4.1(SNET), Error ellipse: s-maj=28.4km s-min=12.8km az=49.0

NEIC Felt [I] at Zacatecoluca, ISC 14 18:55:23.3±0.8, 13.18N±0.1, 88.96W±0.05, h60km±7km, n42, 0.109/47, mb3.4/4, El Salvador

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc. Lists stations like AIES, AIES, ANVS, etc.

WEL 14 17:45:34.8±0.6, 38.51S±1.75, 74E, h162km±5km, ML3.5/12, Error ellipse: s-maj=3.8km s-min=3.8km az=90.0, North Island

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc. Lists stations like WPVZ, FWZ, etc.

ZALV Zalesovo Beam 42.29 312 P Pn 19 31 57.7 +0.3

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



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

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like HSP Hornsund, KBS Kingsbay, SPA0 Spitsbergen Arr, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like IDC 14, MOS 14, ISCBJ 14, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like TNTI Ternate, TNGT TNGT, SGSI Sangihe, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like MBWA Marble Bar, AS31 Alice Springs, ASAR Alice Springs, etc.

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



Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like WMQ, HVS, BOD, PETK, etc.

Main table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like FINES, GRER, BURAR, etc.

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

Table with columns for station name, frequency, and other parameters. Includes stations like UPR, EFP, RLS, etc.

Table with columns for station name, frequency, and other parameters. Includes stations like ZALV, WRA, ASAR, etc.

Table with columns for station name, frequency, and other parameters. Includes stations like MJAR, MAJO, MAJO, etc.



14d 20h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like CHIANG MAI, CM31, CMAR, etc.

2008 DEC

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like INK, USP, FRU, AAK, KSH, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like WRAB, WRAB, WRAB, etc.



BRTR	Keskin Array B	79.24 313	P	P	20 41 33.9	0.0
BRTR			S	P	20 41 53.0	+4.7
BRTR			PP	PP	20 44 35.5	+2.3
BRTR	Keskin Array B	79.24 313	P	P	20 41 33.9	0.0
BRTR			PP	PP	20 44 35.5	
BRTR			pmax	pmax		
BRTR			pmax	pmax		
BRTR			pmax	pmax		
ISR	Istria	79.28 320	P	P	20 41 34.8	+0.8
ISR	Istria	79.28 320	P	P	20 41 34.8	+0.8
MLR	Muntele Rosu	79.31 321	P	P	20 41 34.2	+0.2
MLR	Muntele Rosu	79.31 321	P	P	20 41 34.3	+0.1
KSP	Ksiaz	79.55 330	eP	P	20 41 35.5	+0.2
KSP			ePcP	PcP	20 41 39.4	-3.8
KSP			eS	S	20 51 33.1	-1.4
KSP			LMZ		21 20 23.7	
KSP	Ksiaz	79.55 330	iP	P	20 41 35.5	+0.2
KSP			eP	P	20 41 45.5	-0.4
KSP			P	P	20 41 54.3	
KSP	Ksiaz	79.55 330	eP	P	20 41 35.5	+0.2
KSP			ePP	P	20 41 45.7	+0.4
OKC	Ostrava-Krasne	79.58 328	iP	P	20 41 35.6	0.0
OKC			ePP	P	20 41 44.7	-1.4
OKC	Ostrava-Krasne	79.58 328	iP	P	20 41 35.6	0.0
OKC			eP	P	20 41 44.7	-1.4
OKC			eX	X	20 41 54.6	
KECS	Kecovo	79.62 326	eP	P	20 41 35.9	+0.1
KECS			pmax	pmax		
KECS	Kecovo	79.62 326	eP	P	20 41 35.9	+0.1
KECS			eS	S	20 41 54.7	+4.5
LIKS	Likavka	79.79 327	eP	S	20 41 56.3	+5.2
LIKS	Likavka	79.79 327	eS	P	20 41 56.3	+5.2
MORC	Moravsky Berou	79.88 328	eP	P	20 41 37.4	+0.3
MORC			P	P	20 41 37.4	+0.2
MORC	Moravsky Berou	79.88 328	iP	P	20 41 37.2	-0.1
MORC			P	P	20 41 37.2	-0.1
DRGR	DRGR	79.89 324	iP	P	20 41 37.2	-0.1
DRGR			P	P	20 41 37.2	-0.1
UPC	Upice	79.92 329	iP	P	20 41 37.2	-0.1
UPC			ePP	P	20 41 47.4	-0.5
UPC			eP	P	20 41 37.5	+0.0
UPC			eX	X	20 41 47.7	+0.5
UPC			eX	X	20 41 56.6	
UPC			P	P	20 41 37.2	-0.2
DPC	Dobruska-Polom	79.92 329	iP	P	20 41 37.7	+0.3
DPC			ePP	P	20 41 47.9	+0.1
DPC	Dobruska-Polom	79.92 329	iP	P	20 41 37.7	+0.3
DPC			eP	P	20 41 48.0	+0.1
DPC			eX	X	20 41 57.0	
DPC			X	X	20 41 38.0	-0.4
SDCO	Great Sand Dun	80.05 49	eP	P	20 41 39.8	+0.3
SDCO			pmax	pmax		
PSZ	Piszkesteto	80.31 326	eP	P	20 41 39.8	+0.3
PSZ			P	P	20 41 40.1	+0.6
PSZ	Piszkesteto	80.31 326	iP	P	20 41 39.9	+0.4
PSZ			P	P	20 41 40.1	+0.6
PSZ	Piszkesteto	80.31 326	iP	P	20 41 39.8	+0.2
VYHS	Vyhne	80.33 327	eP	P	20 41 39.4	-0.2
VYHS			pmax	pmax		
VYHS	Vyhne	80.33 327	eP	P	20 41 39.4	-0.2
VYHS			eP	P	20 41 49.9	+0.7
TUC	Tucson	80.36 56	eP	P	20 41 49.9	+0.7
TUC	Tucson	80.36 56	eP	P	20 41 49.9	+0.7
BRG	Berggiesshubel	80.43 331	iP	P	20 41 39.8	-0.4
BRG			P	P	20 41 58.9	+8.2
BRG	Berggiesshubel	80.43 331	eP	P	20 41 40.0	-0.1
BRG			pmax	pmax		
BRG	Berggiesshubel	80.43 331	iP	P	20 41 39.8	-0.3
BRG			pmax	pmax		
BRG			pmax	pmax		
CLL	Colim	80.43 332	eP	P	20 41 39.7	-0.4
CLL			eP	P	20 41 49.9	-1.1
CLL	Colim	80.43 332	iP	P	20 41 39.6	-0.5
CLL			pmax	pmax		
CLL			pmax	pmax		
MEM	Membrach	80.43 332	iP	P	20 41 39.6	-0.5
MEM			iPcP	PcP	20 41 48.8	+1.7
MEM			eP	P	20 41 59.0	+8.3
CLL			LmV		20 42 07.0	+1.2
CLL			LmV		21 20 00.0	
PVCC	Panska Ves	80.47 330	iP	P	20 41 40.5	+0.2
PVCC			ePP	P	20 41 48.7	+2.1
PVCC	Panska Ves	80.47 330	iP	P	20 41 40.5	+0.2
PVCC			eP	P	20 41 48.7	-2.1
PVCC			eX	X	20 41 59.5	
NRDL	Niedersach Rie	80.50 334	eP	P	20 41 42.0	-0.3
VRAC	Vranov	80.63 328	iP	LR	21 21 26.3	
VRAC			P	P	20 41 41.5	+0.3
VRAC	Vranov	80.63 328	iP	P	20 41 41.5	+0.3
VRAC			P	P	20 41 40.9	-1.0
ECS	EROS Data Cent	80.73 40	eP	P	20 41 40.9	-1.0
ECS			P	P	20 41 42.0	-0.6
PRA	Prague	80.89 330	iP	P	20 41 53.0	-0.1
PRA			eX	X	20 42 02.0	
PRA			P	P	20 41 42.7	-0.1
GZR	Gura Zlata	80.90 323	iP	P	20 41 42.7	-0.1
GZR			P	P	20 41 42.7	-0.1
PRU	Pruhonice	80.91 330	iP	P	20 41 52.8	-0.4
PRU			ePP	P	20 41 52.8	-0.4
PRU	Pruhonice	80.91 330	iP	P	20 41 52.8	-0.4
PRU			eX	X	20 42 01.7	
PRU			eX	X	20 41 43.1	+0.2
CLZ	Clausthal	80.94 333	eP	P	20 41 43.1	+0.2
CLZ			pmax	pmax		
BUD	Budapest	81.02 326	eP	P	20 41 43.6	+0.2
TREC	Trest	81.09 329	eP	P	20 41 43.8	+0.1
TREC			ePP	P	20 41 54.0	-0.2
TREC	Trest	81.09 329	eP	P	20 41 43.8	+0.1
TREC			eP	P	20 41 54.0	-0.2
BZS	Buzias	81.28 323	iP	P	20 41 44.2	-0.5
BZS	Buzias	81.28 323	iP	P	20 41 44.2	-0.5
ZST	Bratislava	81.29 327	eP	P	20 41 45.2	+0.4
ZST			pmax	pmax		
ZST	Bratislava	81.29 327	eP	P	20 41 45.2	+0.4
ZST			eS	S	20 42 04.6	+5.4
ANMO	Albuquerque	81.35 52	eP	P	20 41 45.7	+0.3
ANMO			P	P	20 41 55.8	-0.1
ANMO	Albuquerque	81.35 52	eP	P	20 41 45.7	+0.3
ANMO			ePP	P	20 41 55.8	-0.1
ANMO			pmax	pmax		
TANN	Tannenberghaus	81.36 331	eP	P	20 41 45.1	0.0
TANN			P	P	20 41 45.1	0.0
IBBN	Ibbenburen	81.45 335	eP	P	20 41 45.4	-0.1
MOX	Moxa	81.48 332	eP	P	20 41 45.7	0.0
MOX			P	P	20 41 55.9	-0.4
MOX	Moxa	81.48 332	eP	P	20 41 45.7	0.0
MOX			ePP	P	20 41 55.9	-0.4
MOX			pmax	pmax		
NKC	Novy Kostel	81.51 331	iP	P	20 41 45.7	-0.2
NKC			ePP	P	20 41 45.7	-0.2
NKC	Novy Kostel	81.51 331	iP	P	20 41 45.7	-0.2
NKC			eX	X	20 41 56.0	-0.4
NKC			eX	X	20 42 04.8	
BNN	Barren Site	81.78 52	eP	P	20 41 47.9	+0.2
BNN			P	P	20 41 57.8	-0.4
SOP	Sopron	81.92 327	iP	P	20 41 48.5	+0.4
UBBA	Unterbreizbach	81.92 333	eP	P	20 41 47.7	-0.4
MPEP	Maljo Peshtene	81.94 321	eP	P	20 41 47.5	-0.8

KHC	Kasperske Hory	81.97 330	eP	P	20 41 47.5	-0.8
KHC			P	P	20 41 48.3	0.0
KHC	Kasperske Hory	81.97 330	iP	P	20 41 47.8	-1.1
KHC			ePP	P	20 41 57.8	+1.1
KHC			eP	P	20 41 57.8	-1.1
KHC			eX	X	20 42 07.3	
ROTZ	Rotzenmuhle	81.98 331	eP	P	20 41 48.9	+0.5
CONA	Conrad Observa	82.02 328	iP	P	20 41 49.0	+0.4
CONA			P	P	20 41 49.0	+0.4
RAYN	Ar Rayn	82.08 294	P	P	20 41 48.0	-1.4
GECC	GERESS Array S	82.15 330	eP	P	20 41 49.1	-0.2
GECC			P	P	20 41 49.1	-0.2
GECC	GERESS Array S	82.15 330	eP	P	20 41 49.1	-0.2
GECC			pmax	pmax		
GERES	GERESS Array S	82.15 330	eP	P	20 41 49.0	-0.4
GERES			P	P	20 42 07.8	+4.1
GERES			eR	R	20 44 58.1	+1.1
GERES			PP	PP	20 41 49.0	-0.4
GERES			S	S	20 42 07.8	+4.1
GERES			P	P	20 44 58.1	+1.1
GERES			P	P	20 41 49.0	-0.3
GERES			P	P	20 44 58.1	+1.1
GERES			P	P	20 41 49.0	-0.3
GERES			P	P	20 44 58.1	+1.1
GERES			pmax	pmax		
GERES			pmax	pmax		
GERES			pmax	pmax		
PKSM	Moragy	82.17 325	iP	P	20 41 48.3	-1.1
PKSM			P	P	20 41 48.3	-1.1
WET	Wetzell	82.23 330	eP	P	20 41 50.0	+0.3
WET			P	P	20 41 50.0	+0.3
WET	Wetzell	82.23 330	eP	P	20 42 00.0	-0.3
WET			ePP	P	20 42 00.0	-0.3
WET			pmax	pmax		
BUG	Bochum-Unioner	82.34 335	eP	P	20 41 49.8	-0.4
BUG			P	P	20 41 51.0	+0.4
GRF	Grafenberg Arr	82.41 332	eP	P	20 42 00.6	-0.6
GRF			P	P	20 42 09.6	
GRF			eL	L	21 20 39.1	
GRF			eL	L	20 41 51.0	+0.4
GRF			ePP	P	20 42 00.6	-0.6
GRF			pmax	pmax		
GRF			MLR	MLR	20 41 50.9	+0.2
GRF			P	P	20 41 50.9	+0.2
GRFO	Grafenberg	82.41 332	eP	P	20 41 50.9	+0.3
GRFO			P	P	20 41 50.9	+0.3
GRFO			pmax	pmax		
SCHO	Schoeffville	82.60 18	P	P	20 41 49.8	-1.8
CSS	Prodromos	82.64 309	eP	P	20 41 51.2	-0.9
CSS			P	P	20 41 49.8	-1.8
ARSA	Arzberg	82.69 328	iP	P	20 41 52.2	0.0
ARSA			P	P	20 41 52.9	+0.2
VTS	Vitosha	82.77 321	iP	P	20 41 49.8	-2.5
VTS			P	P	20 41 52.9	+0.2
VTS	Vitosha	82.77 321	iP	P	20 41 49.8	-2.5
VTS			P	P	20 41 52.9	+0.2
TNS	Tausius Mts	82.97 333	eP	P	20 41 53.4	-0.1
TNS			P	P	20 41 53.4	-0.1
TNS			pmax	pmax		
MMB	Musomiste	83.26 320	eP	P	20 41 55.0	-0.2
PERS	Pernice	83.35 328	iP	P	20 41 55.3	-0.3
PERS			P	P	20 42 14.1	
SOKA	Soboth	83.35 328	iP	P	20 41 55.3	-0.2
SOKA			P	P	20 41 55.7	-0.1
KKB	Krupnik	83.37 320	eP	P	20 41 56.2	+0.4
RJOB	Jochberg	83.41 330	eP	P	20 41 55.4	+0.4
BEBN	Eben Emael	83.42 335	P	P	21 08 12.5	
PPT	Papeete	83.45 119	eLR	LR	20 41 55.7	-0.4
PPT			P	P	20 41 57.2	+0.1
MEM	Membrach	83.47 335	P	P	20 41 57.2	+0.1
FUR	Furstenfeldbru	83.64 331	eP	P	20 41 57.2	+0.1
FUR			P	P	20 41 57.2	+0.1
FUR	Furstenfeldbru	83.64 331	eP	P		









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

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

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

Code Station Name Az Az' Phase ID Time Res

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

Code Station Name Az Az' Phase ID Time Res

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

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

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like RAMN Ramite, ODAN Odare, SONMI Songino Array, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like NNC 14 21:19:36.8, KK31 Karatay Array, etc.

CSEM 14 21:25:46.2, 36:58N-21:65E, h27km, MD3.6, After ATH

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PVL PYLOS, ITM Ithomi, VLI Veliai, etc.

NC 14 21:52:32.7, 35.1, 39:20N-73:28E, h0km, mb3.6, mpv3.3

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like AML Almayashu, UCH Uchtor, KZA Kyzart, etc.

ISCJB 14 22:05:07.3, 1.2, 24:06N-0:05E, 122:85E, h7km, 8km

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like YOJ Yonaguni jima, IRIF Iriomote-Funau, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ENTT Nioudou, ENTT Shilin, ENTT Wu-fen Shan, etc.

ISCJB 14 22:29:11.2, 0.7, 58:52S-0:09E, 25:2W, 0.3, h10km, mb4.1/6

ISC 14 22:29:11.2, 0.7, 58:52S-0:09E, 25:2W, 0.3, h10km, n29

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like VNA1 Neumayer-Stat, VNA2 Neumayer-Watz, etc.

ISCJB 14 23:01:39.9, 0.7, 24:56N-0:05E, 122:95E, h8km, 7km

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like DBIC Dibinkoro, TORC Torodi Ar. Bea, etc.

JMA 14 23:01:39.9, 0.7, 24:56N-0:05E, 122:95E, h8km, 2km, M2.2

TAP 14 23:01:39.9, 0.7, 24:56N-0:05E, 122:85E, h10km, ML3.3, D

ISC 14 23:01:40.5, 0.7, 24:57N-0:05E, 122:95E, h8km, 7km, n31

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like YOJ Yonaguni jima, IRIF Iriomote-Funau, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like EHY Yuli, TWF1 Yuli, SMLT Sun Moon Lake, etc.

ISC 14 23:58:36.6, 3.5, 31:22S-176:96W, h0km, mb4.1/3

ISC 14 23:58:36.6, 3.5, 31:22S-176:96W, h0km, mb4.1/3, mb1.4/2.4

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like URZ Urewera, STKA Stephens Creek, etc.

CSEM 14 23:58:56.0, 38:72N-14:23E, h26km, After ROM

ROM 14 23:58:56.0, 38:72N-14:23E, h26km, 2km, MI3.5/19

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IACL Alicudi, IFIL Filicudi I Eol, etc.

15d 1h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IMPAZ Palizzi, HAGA Augusta, CARO Carolei, etc.

IDC 15 00:00:32.8:27.0, 21.10S-173.63W, h0km, mb4.3/4, mb1 4.5/4, mb1mx4.0/18, mbtmp3.4/4, Error ellipse: s-maj=498.3km s-min=146.4km az=76.0, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CTA Charters Tower, STKA Stephens Creek, ASAR Alice Springs, etc.

TRN 15 00:06:45.5, 18.76N-64.64W, h34km, MD2.7(RSPR) ISJCJB 15 00:06:46.5, 1.3, 18.87N-0.09-64.69W, h0.07, h30km, 8km, Error ellipse: s-maj=14.8km s-min=10.0km az=160.2

NEIC 15 00:06:47.0, 18.89N-64.64W, h9km, MD2.8(RSPR), After RSPR.

RSPR 15 00:06:47.0, 18.89N-64.64W, h9km, 1km, MD2.9/5 ISC 15 00:06:46.6, 1.4, 18.86N-0.09-64.68W, h0.07, h28km, 8km, n21, c0531/4, 11C-8D, Virgin Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ABV Anegada, TBVI Tortola, STVI Saint Thomas, etc.

IDC 15 00:25:58.1-9.5, 16.53S-176.21W, h0km, mb3.5/2, mb1 3.7/2, mb1mx3.5/16, mbtmp3.5/2, Error ellipse: s-maj=406.2km s-min=64.7km az=140.0, Fiji Islands region

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

IDC 15 00:31:45.2:5.8, 4.08S-153.90E, h285km, 46km, mb2.7/3, mb1 3.1/4, mb1mx2.9/16, mbtmp2.9/4, Error ellipse: s-maj=145.1km s-min=32.2km az=127.0, New Ireland region

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

IDC 15 00:33:16.0:6.8, 25.61S-179.91E, h463km, 83km, mb3.6/8, mb1 3.8/10, mb1mx3.6/18, mbtmp3.6/10, Error ellipse: s-maj=39.1km s-min=21.8km az=23.0

ISCJB 15 00:33:17.5:2.8, 25.65S-0.1:179.9E-0.1, h492km, 34km, mb4.3/15, Error ellipse: s-maj=21.9km s-min=14.7km az=145.4

NEIC 15 00:33:18.3:1.6, 25.74S-179.86E, h495km, 20km, mb4.5/6, Error ellipse: s-maj=17.2km s-min=12.4km az=206.0

ISC 15 00:33:18.1:2.2, 25.75S-0.1:179.9E-0.1, h490km, 26km, n33, c092/35, mb4.3/15, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like URZ Urewera, DZM Mont Dzumac, RPZ Rata Peaks, etc.

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Table with columns: STKA Stephens Creek, PMG Port Moresby, WRA Warramunga Arr, etc. Includes station details and coordinates.

TRN 15 00:38:58.0, 15.82N-61.59W, h14km, MD2.7, M2.9(FDF), M2.5(FDF), 2C-8D, Leeward Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like TBG Guadaloupe-3, HMG Houelmont, PHG Guadaloupe-2, etc.

IDC 15 00:50:18.5:12.0, 4.129S-124.89E, h0km, mb3.9/2, mb1 4.1/5, mb1mx3.9/14, mbtmp4.0/5, ML4.0/1, MS3.2/2, Ms1 3.2/2, ms1mx2.9/16, Error ellipse: s-maj=181.6km s-min=38.5km az=15.0, South of Australia

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like NWAO Narrogin (SRO), NWAO Narrogin, STKA Stephens Creek, etc.

LDG 15 01:33:28.3:0.1, 44.56N-6.91E, h2km, Md1.6/3, M1.1/7.5, Error ellipse: s-maj=3.3km s-min=1.3km az=82.0

STR 15 01:33:28.7:0.4, 44.47N-6.70E, h5km, ML2.1, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0

CSEM 15 01:33:28.0:1.1, 44.57N-6.87E, h10km, ML2.6/8, Error ellipse: s-maj=3.4km s-min=1.8km az=71.0, France

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SURF Saint Ours, MBDF Montbardon, TOUF Mont Tournerai, etc.

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IDC 15 01:34:01.2:1.3, 36.63N-21.87E, h0km, mb3.6/6, mb1 3.6/7, mb1mx3.5/25, mbtmp3.6/7, ML3.6/1, Error ellipse: s-maj=51.5km s-min=24.2km az=109.0

ISCJB 15 01:34:02.8:0.7, 36.50N-0.03:21.62E, h4km, 4km, mb3.5/6, Error ellipse: s-maj=5.6km s-min=4.7km az=164.3

CSEM 15 01:34:04.2:0.2, 36.53N-21.66E, h5km, ML3.0, Error ellipse: s-maj=5.2km s-min=3.8km az=54.0

ATH 15 01:34:05.2, 36.60N-21.74E, h24km, ML3.0, Error ellipse: s-maj=1.4km s-min=0.8km az=46.0

THE 15 01:34:06.0, 36.57N-21.78E, h4km, 1km, ML3.9/9, Error ellipse: s-maj=1.4km s-min=0.8km az=46.0

ISC 15 01:34:03.8:0.8, 36.51N-0.03:21.63E, h0km, 4km, n114, c102/151, mb3.5/6, 2D, Southern Greece

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PVL PYLOS, VLL Velia, KFL Anninata, etc.





Table with columns for call sign, name, frequency, power, and other details. Includes entries like ODAN Odare, RAMN Ramite, RAMN Ramite, JIRN Jiri, etc.

Table with columns for call sign, name, frequency, power, and other details. Includes entries like KBL Inuvik, INK Inuvik, INK Inuvik, ARU Arti, etc.

Table with columns for call sign, name, frequency, power, and other details. Includes entries like E15A Deer Lodge, HLID Halley, I13A Wildhorse Cree, A17A Triple J Farms, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like JLU Jordanelle, G20A Bridger, K18A Toltan Ranch, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like S20A Disappointment, T19A Beclabto, Y17A Roosevelt, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, etc.

ADC 15:03:09:35.0-8.9,6.605:129.64E,145km,90km,mb3.5/3, mb1 3.5/6,mb1mx3.4/15,mbtmp3.4/6, Error ellipse: s-maj=71.7km s-min=26.8km az=55.0, Banda Sea











15d 5h

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Table with columns for station name, location, frequency, power, and other technical details. Includes stations like WRA Warramunga Arr, WBA2 Warramunga Arr, and various other regional stations.

Table with columns for station name, location, frequency, power, and other technical details. Includes stations like AKASG, KIEV Kiev, RES Resolute Bay, and various other regional stations.

Table with columns for station name, location, frequency, power, and other technical details. Includes stations like F10A Beach Ranch, B13A Whitefish, A14A Double T Ranch, and various other regional stations.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MKAR Makanchi Array, ZALV Zalesovo Beam, KURK Kurchatov, etc.

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

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

NNC 15 07:29:01.5, 2.3, 39.70N, 76.98E, h0km, mb3.7, mpv3.3, Error ellipse: s-maj=23.9km s-min=14.0km az=172.0

ISC/JB 15 08:10:17.1, 0.9, 22.23S, 0.05:179.43W, 0.08, h567km, 13km, mb4.1/23, Error ellipse: s-maj=12.0km s-min=7.3km az=15.8

ISC/JB 15 08:10:19.3, 0.7, 22.18S, 179.45W, h583km, 6km, mb4.6/8, Error ellipse: s-maj=13.2km s-min=8.9km az=128.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ULHL Ulahoi, KZA Kyzart, UCH Uchto, etc.

ISC/JB 15 08:10:19.5, 0.9, 22.34S, 0.05:179.39W, 0.10, h577km, 11km, n91, c1908/67, mb4.2/22, 7C-7D, South of Fiji Islands

ISC/JB 15 08:10:19.5, 0.9, 22.34S, 0.05:179.39W, 0.10, h577km, 11km, n91, c1908/67, mb4.2/22, 7C-7D, South of Fiji Islands

CSEM 15 07:37:25.3, 36.64N, 21.50E, h31km, MD2.9, After ATH ATH 15 07:37:25.3, 36.64N, 21.50E, h31km, 2km, MD2.9/5, Southern Greece

ISC/JB 15 08:25:14.3, 0.0, 50.54N, 0.05:103.40E, 0.08, h10km, mb3.6/10, Error ellipse: s-maj=10.4km s-min=5.4km az=153.6

ISC/JB 15 08:25:14.3, 0.0, 50.54N, 0.05:103.40E, 0.08, h10km, mb3.6/10, Error ellipse: s-maj=10.4km s-min=5.4km az=153.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PYL PYLOS, ITHI Ithomi, VLX Vlachokerasia, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MSVF Nosavvu, AFI Afiamalu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IHA Instituto Hidr, ROCH EI Roble, etc.

DDA 15 07:39:36.7, 38.12N, 27.24E, h8km, 3km, MD2.6 CSEM 15 07:39:36.9, 0.2, 38.13N, 27.25E, h15km, MD2.6, Error ellipse: s-maj=6.3km s-min=4.6km az=52.0

ISC/JB 15 08:25:17.4, 30.50N, 103.50E, h12km, ML3.4/13, Error ellipse: s-maj=31.9km s-min=16.9km az=64.0

ISC/JB 15 08:25:17.4, 30.50N, 103.50E, h12km, ML3.4/13, Error ellipse: s-maj=31.9km s-min=16.9km az=64.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IZM Izmir, BLCB Balçova, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GUC 15 08:19:33.8, 0.7, 32.66S, 71.67W, h21km, 12km, MD3.8, ML3.0, 10C-6D, Near coast of central Chile

IDC 15 07:41:54.8, 1.1, 22.13N, 143.19E, h0km, mb3.8/8, mb1.3/9, mb1mx3.7/24, mbtmp3.8/8, Error ellipse:

IDC 15 07:41:54.8, 1.1, 22.13N, 143.19E, h0km, mb3.8/8, mb1.3/9, mb1mx3.7/24, mbtmp3.8/8, Error ellipse:

IDC 15 07:41:54.8, 1.1, 22.13N, 143.19E, h0km, mb3.8/8, mb1.3/9, mb1mx3.7/24, mbtmp3.8/8, Error ellipse:

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

IDC 15 08:31:35.5-1.7, 20.84Sx174.61W, h0km, mb4.0/7,

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like AFI Afiamalu, PMG Port Moresby, STKA Stephens Creek, etc.

IDC 15 08:41:53.0-0.6, 12.53N-145.20E, h0km, mb4.1/19,

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

IDC 15 09:24:18.7-1.0, 38.84N-141.10E, h0km, mb3.4/6,

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like ZALV Zalesovo Beam, KURK Kurchatov, etc.

IDC 15 09:24:21.0-0.4, 38.94N-140.93E, h0km, mb3.4/6,

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

IDC 15 09:24:21.2-0.4, 38.93N-140.91E, h0km, mb3.4/6,

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

IDC 15 09:26:37.9-3.6, 53.77N-87.83E, h0km, mb3.2, mpv2.8,

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

IDC 15 09:26:44.2-2.4, 54.19N-86.31E, h0km, mb1.2/9.2,

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

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KURK Kurchatov, COLD Coldfoot, etc.

IDC 15 09:20:12.3-1.9, 53.61N-86.95E, h0km, mb1.2/9.2,

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like ZALV Zalesovo Beam, KURK Kurchatov, etc.

IDC 15 09:24:21.0-0.4, 38.94N-140.93E, h0km, mb3.4/6,

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like ZALV Zalesovo Beam, KURK Kurchatov, etc.

IDC 15 09:24:21.2-0.4, 38.93N-140.91E, h0km, mb3.4/6,

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

IDC 15 09:24:21.2-0.4, 38.93N-140.91E, h0km, mb3.4/6,

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

IDC 15 09:24:21.2-0.4, 38.93N-140.91E, h0km, mb3.4/6,

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

IDC 15 09:24:21.2-0.4, 38.93N-140.91E, h0km, mb3.4/6,

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

IDC 15 09:26:37.9-3.6, 53.77N-87.83E, h0km, mb3.2, mpv2.8,

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

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KURK Kurchatov, KURB Kurchatov, etc.

IDC 15 09:46:34.5-1.7, 1.97N-128.13E, h0km, mb3.4/4,

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

IDC 15 09:52:40.5-1.1, 13.74Sx167.86E, h30km, MD4.4, ML3.0,

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

IDC 15 09:52:48.6-1.4, 14.19Sx166.67E, h30km, mb5.1/24,

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

IDC 15 09:52:55.8, 13.30Sx166.32E, h71km, MB5.1/29, mb5.0/41,

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

IDC 15 09:52:48.3-0.3, 14.21Sx166.66E, h0.05, h35km,

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

IDC 15 09:52:48.3-0.3, 14.21Sx166.66E, h0.05, h35km,

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

IDC 15 09:52:48.3-0.3, 14.21Sx166.66E, h0.05, h35km,

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

IDC 15 09:52:48.3-0.3, 14.21Sx166.66E, h0.05, h35km,

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





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15d 10h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like YKA Yellowknife Ar, NVS Novosibirsk, KURK Kurchatov, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TORO comp=Z,0.7m,0.8s,baz=66,slow=0.8,SNR=4.3, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MKAR Makanchi Array, ZALV Zalesovo Beam, YKA Yellowknife Ar, etc.



15 to 10h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like Zalesovo Beam, Coldfoot, Thorofare Moun, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like Alice Springs, Geres, TXAR, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like Meeekatharra, Narrogin (SRO), etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like HHC, CD2, QSPA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ARCES, VSR, FINES, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like DBIC, ZMPH, IPIL, etc.









Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like San Rafael, Antelope Range, Santo Domingo, Troy Canyon, Cottonwood Cre, Pinedale Array, etc.

CSEM 15 14:32:29.9, 0.4, 33.1N, 46.27E, h2km, mb3.8, Error ellipse: s-maj=10.5km s-min=3.2km az=22.0

MOS 15 14:32:30.7, 1.7, 43.27N, 46.28E, h17km, mb3.8/1, Error ellipse: s-maj=11.0km s-min=7.7km az=28.3

ISC 15 14:32:29.1, 0.8, 43.41N, 0.04, 46.30E, 0.04, h2km, 4km, n47, r1512/86, 2C-3D, Eastern Caucasus

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GRO, DBC, KRN, BUJ, etc.

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

ISCJBJ 15 14:34:51.6, 2.9, 33.9S, 0.2, 178.1W, 0.5, h33km, mb4.0/5, Error ellipse: s-maj=58.7km s-min=9.5km az=22.1

ISC 15 14:34:51.4, 2.2, 33.87S, 178.50W, h0km, mb4.1/4, mb1.4, 3/5, mb1mx4/0.17, mbmt4.0/5, ML3.7/1, Error ellipse: s-maj=54.3km s-min=33.5km az=132.0

NEIC 15 14:34:56.0, 1.5, 33.79S, 178.46W, h35km, mb4.1/1, Error ellipse: s-maj=34.9km s-min=14.1km az=119.9

ISC 14:34:53.4, 3.4, 33.9S, 178.47W, 0.0, 5, h35km, n18, r070/16, mb4.0/5, South of Kermadec Islands

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

ISC 15 14:37:28.3, 1.8, 0.51N, 124.48E, h0km, mb4.1/4, mb1.4, 1/5, mb1mx3.7/18, mbmt4.0/5, ML3.8/1, Error ellipse: s-maj=129.6km s-min=29.3km az=68.0

Minahasa Peninsula, Sulawesi

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

DDA 15 14:38:41.5, 38.26N, 38.11E, h7km, 1km, Md2.8, Turkey

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

NEIC 15 14:45:46.5, 16.12N, 97.14W, h12km, MD3.7 (MEX), After MEX.

MEX 15 14:45:46.2, 0.7, 16.13N, 97.14W, h10km, 9km, MD3.7, Oaxaca

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

ISC 15 14:06:06.9, 3.2, 31.11S, 177.44W, h0km, mb3.9/3, mb1.4, 1/4, mb1mx3.8/17, mbmt4.0/4, ML3.4/1, Error ellipse: s-maj=68.5km s-min=47.0km az=118.0

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

ISC 15 14:15:17.0, 3.2, 31.29S, 176.33W, h0km, mb3.9/3, mb1.4, 1/5, mb1mx3.9/18, mbmt4.0/5, ML3.8/2, Error ellipse: s-maj=67.4km s-min=42.1km az=115.0

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

MOS 15 15:48:15.1, 0.9, 51.73N, 178.44E, h33km, mb4.6/35, Error ellipse: s-maj=11.7km s-min=8.9km az=66.6

BUL 15 15:48:17.5, 51.98N, 178.59E, h62km, mb5.1/10, mb4.6/19, Ms4.6/7, Ms7.4/3.6

ISC 15 15:48:18.9, 0.6, 51.62N, 178.53E, h33km, mb4.6/35, mb1.4, 1/2, mb1mx4.0/22, mbmt4.0/24, MS3.3/8, SMY 1.1, 3/8, ms1mx3.1/43, Error ellipse: s-maj=16.4km s-min=8.4km az=2.0

NEIC 15 15:48:18.8, 0.3, 51.62N, 178.44E, mb4.5/50, ML4.5(AEIC), Error ellipse: s-maj=10.8km s-min=3.9km az=178.0

ISCJBJ 15 15:48:20.4, 0.5, 51.75N, 178.55E, 0.0, 0.03, h83km, 3km, mb4.4/70, Error ellipse: s-maj=10.3km s-min=3.0km az=5.2

ISC 15 15:42:21.8, 0.4, 51.30N, 0.06, 178.56E, 0.03, h77km, 3km, h62km, 8.0km, pp-P, n491, r0871/496, mb4.4/70, 139C-151D, Flat Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GARE, TANO, Tanaga North, etc.

Table with columns: ID, Name, Az, El, SNR, and other parameters. Includes entries like BMRM Bremner River, MENT Mentasta, DAWY Dawson, etc.

Table with columns: ID, Name, Az, El, SNR, and other parameters. Includes entries like E16A East Helena, I13A Wildhorse Cree, B18A Beardsley Farm, etc.

Table with columns: ID, Name, Az, El, SNR, and other parameters. Includes entries like J18A Kendall Valley, FURC Furnace Creek, C23A Lambert, etc.







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

ISC 15 17:22:11.9, 1.6, 2.92S, 130.15E, h0km, mb3.8/5, mb1 3.9/7, mb1mx3.8/17, mbtm3.8/7, ML3.7/2, Error ellipse: s-maj=83.4km s-min=19.2km az=68.0

ISCJB 15 17:22:14.0, 0.7, 2.12S, 130.10E, 0.2, h37km, mb3.8/5, Error ellipse: s-maj=26.9km s-min=9.1km az=153.6

NEIC 15 17:22:17.0, 0.5, 3.02S, 130.07E, h35km, mb4.3/1, Error ellipse: s-maj=21.6km s-min=7.5km az=67.0

ISC 15 17:22:17.0, 0.7, 3.03S, 130.10E, 0.2, h35km, n19, c#070/23, mb3.8/5, Seram

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FITZ Fitzroy Crossi, COEN Coen, WRA Warramunga Arr, etc.

ISCJB 15 17:26:09.7, 0.6, 39.58N, 0.03, 32.82E, 0.03, h2km, 5km, Error ellipse: s-maj=4.3km s-min=3.7km az=176.7

ISK 15 17:26:09.4, 39.58N, 32.84E, h7km, MD3.4, DDA 15 17:26:09.7, 39.58N, 32.83E, h8km, 3km, MD3.2

CSEM 15 17:26:09.0, 1.9, 39.59N, 32.84E, h2km, MD3.4, Error ellipse: s-maj=3.2km s-min=2.8km az=161.0

ISC 15 17:26:10.2, 0.5, 39.59N, 0.03, 32.83E, 0.03, h3km, 4km, n63, c#084/79, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BBAL Bala, AFSR Af-ar-Bala (A), AFSR Af-ar-Bala (A), etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LADK Ladik-KONYA, SULS Sultanhani-AKS, SULS Sultanhani-AKS, etc.

NEIC 15 17:29:14.7, 40.43S, 174.48E, h71km, ML3.7(WEL), After WEL

WEL 15 17:29:14.7, 40.43S, 174.48E, h70km, 2km, ML3.7/18, 1C, Error ellipse: s-maj=1.0km s-min=0.6km az=90.0, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KIWI Kapiti Island, KIWI Kapiti Island, DUWZ D'Urville Isla, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NGZ Ngauruhoe, QRZ Quartz Range, QRZ Quartz Range, etc.

CASC 15 17:36:42.4, 0.3, 15.13N, 89.04W, h0km, 9km, MD3.6, Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MTOZ Montecristo 2, RBDL Robledal, RBDL Robledal, etc.

CSEM 15 17:41:33.0, 1.2, 35.76N, 35.95E, h10km, MD2.9, Error ellipse: s-maj=22.3km s-min=11.5km az=8.0

ISK 15 17:41:34.1, 36.31N, 36.38E, h15km, MD2.9, DDA 15 17:41:37.8, 36.03N, 36.19E, h13km, 3km, MD2.9

ISC 15 17:41:35.2, 35.92N, 35.98E, 0.07, h15km, 6km, n11, c#105/20, Jordan - Syria region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YAYL Yayladag, YAYL Yayladag, HTY Hatay, etc.

ISCJB 15 17:44:04.0, 0.8, 45.43N, 0.03, 18.00E, 0.05, h6km, 5km, Error ellipse: s-maj=6.4km s-min=5.4km az=26.1

VIE 15 17:44:05.3, 0.5, 45.53N, 18.07E, h5km, 2km, mb2/3, ML2.5/3, Error ellipse: s-maj=4.7km s-min=1.7km az=154.0

CSEM 15 17:44:07.1, 0.4, 45.57N, 17.87E, h2km, ML2.5, Error ellipse: s-maj=10.7km s-min=6.3km az=170.0

ISC 15 17:44:04.0, 0.9, 45.51N, 0.03, 18.02E, 0.05, h7km, 5km, n33, c#108/50, 7C-16D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RHKJ Tenkes, PKSM Moragy, PKSM Moragy, etc.











15d 21h

2008 DEC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KOLDanda, DANGSang, DANNg, MKRAC, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Kerinci, Padang Panjang, Manna, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Manado, Cotabato-PC H, Sangihe, etc.

CSEM 15:20:47:25.9; 1.0, 39.06N; 41.76E, h20km, MD2.6, Error ellipse: s-maj=30.2km s-min=15.2km az=175.0

ISCJB 15:20:47:28.0; 0.7, 39.18N; 0.04; 41.79E; 0.05, h10km, Error ellipse: s-maj=6.9km s-min=4.5km az=152.9

ISC 15:20:47:28.1; 39.22N; 41.73E, h2km, MD2.8, Error ellipse: s-maj=3.0km s-min=1.5km az=152.9

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Varto-Mus, BINGOL, TUTak, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Kulim, Cisi, XMSI, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Kuning, DAVAO City, TRD, etc.

ISCJB 15:20:56:34.7; 1.5, 51.2N; 0.1; 174.04W; 0.09, h52km, 11km, mb3.8/5, Error ellipse: s-maj=23.4km s-min=9.4km az=173.2

NEIC 15:20:56:35.9; 51.34N; 174.24W, h0km, ML3.2(AEIC), After AEIC.

IDC 15:20:56:40.1; 1.1, 52.87N; 174.69W, h0km, mb3.8/7, mb1.4/0.9, mb1mx3.7/26, mbmt3.8/9, ML3.8/2, Error ellipse: s-maj=34.9km s-min=20.9km az=158.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KOPF, KOKL, GSMY, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PBKI, WAGanaga, STKI, etc.

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

BJI 15:21:18:01.5; 3.68S; 100.87E, h55km, mb5.3/39, mb5.2/44, Ms5.1/47, Ms7.4/34

MOS 15:21:18:07.3; 6.5S; 101.24E, h33km, mb5.6/54, MS4.6/12, Error ellipse: s-maj=9.5km s-min=4.8km az=115.6

ISCJB 15:21:18:09.2; 0.2, 2.82S; 101.01E; 0.02, h51km, mb5.3/145, MS4.6/50, Error ellipse: s-maj=4.5km s-min=2.5km az=40.7

DJA 15:21:18:10.3; 0.3, 3.3S; 2.10E, h46km, 3km, MS.2/8, mb5.7/46, mb5.4/58, MLV5.7/18, MW(m)5.2/46

NEIC 15:21:18:10.1; 0.8, 2.83S; 101.04E, h49km, 7km, mb5.3/34, MS4.6/1, MW5.2, Error ellipse: s-maj=6.6km s-min=4.3km az=60.0, Moment Tensor Solution. s27 Moment tensor: Scale 10^19Nm; M1:3.94; M2:5.23; M3:-6.53; M4:-3.99; M5:1.87; M6:-1.52. Best double couple: M1:7.0000x10^16 NP1:135.00000; 368.00000; 149.00000; NP2: 9.2200000; 845.00000; 149.00000; Principal axes: T 7.7000, Plg49.00000; Azm359.00000; N -0.2300, Plg37.00000; Azm152.00000; P -7.4900, Plg13.00000; Azm253.00000

NEIC FIT [III] at Mukomuko and [II] at Bengkulu and Kapahiang.

IDC 15:21:18:10.8; 1.2, 2.75S; 101.15E, h50km, 9km, mb4.8/32, mb1.4/3/2, mb1mx4.8/32, mbmt4.8/32, MS4.4/21, Ms1.4/21, ms1mx3.3/24, Error ellipse: s-maj=13.6km s-min=1.1km az=59.0

GCMT 15:21:18:13.2; 0.2, 3.02S; 100.88E, h50km, 1km, MW5.3, Moment Tensor Solution. s73.c111; s75.c137; Moment tensor: Scale 10^17Nm; M1:0.00; M2:0.00; M3:0.00; M4:0.00; M5:0.00; M6:0.00; Best double couple: M1:7.0000x10^16 NP1:1000.00000; 328.00000; 826.00000; NP2: 1.110000000; 126.00000; 866.00000; 180.00000; Principal axes: T 1.0400, Plg68.00000; Azm18.00000; N 0.0500, Plg9.00000; Azm130.00000; P -1.0900, Plg20.00000; Azm223.00000; Data Used: IU UC G CN.

SZGRF 15:21:18:30.2; 3.28N; 101.46E, h33km, mb5.3, MS4.5, Malay

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CHIANG Mai, LUWI, GTOI, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CHIANG Mai, LUWI, GTOI, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CHIANG Mai, LUWI, GTOI, etc.









2008 DEC

15d 22h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PALP, BATP, MSLP, PAGZ, DAVO, etc.

15d 21:21:12.70:0.7, 30:91Sx176:74W, h0km, mb4.5/8, mb1.4/7.8, mb1mx4.4/17, mbtmp4.5/8, MCS3.5/1, ms1mx2.8/28, Error ellipse: s-maj=26.6km s-min=22.3km az=38.0

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VNA3, VNA2, VNA1, VNAI, etc.

15d 21:34:11.1:2.5, 13:88Sx166:31E, h0km, mb3.8/5, mb1.3/9.5, mb1mx3.7/16, mbtmp3.7/5, Error ellipse: s-maj=107.5km s-min=28.4km az=134.0, Vanuatu Islands

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

15d 21:45:35.3:1.8, 6:52S:0:07:127:5E:0:1, h396km, 23km, mb3.8/4.8, Error ellipse: s-maj=19.2km s-min=7.7km az=150.0

NEIC 15 21:45:38.8:1.2, 6:61S:127:51E, h430km, 19km, mb4.1/4, Error ellipse: s-maj=14.5km s-min=8.1km az=220.0

15d 21:45:39.1:2.7, 6:58S:127:57E, h430km, 34km, mb3.0/4, mb1.3/1.8, mb1mx3.0/16, mbtmp3.0/8, Error ellipse: s-maj=32.3km s-min=12.2km az=72.0

15d 21:45:38.7:1.1, 6:61S:0:07:127:5E:0:1, h427km, 17km, n25, c057/31, mb3.4/5, Banda Sea

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

15d 21:54:12.0:2.1, 44:23N:0:08:128:8W:0:1, h0km, 20km, Error ellipse: s-maj=17.4km s-min=11.8km az=144.2

15d 21:54:13.4:3.4, 44:14N:128:93W, h0km, mb3.1/2, mb1.3/6.4, mb1mx3.4/24, mbtmp3.3/4, ML3.0/2, Error ellipse: s-maj=10.4km s-min=23.0km az=53.0

NEIC 21:54:17.9:3.0, 44:28N:128:54W, h10km, ML3.2, Error ellipse: s-maj=36.6km s-min=10.4km az=83.0

15d 21:54:14.8:2.7, 44:23N:0:08:128:8W:0:1, h8km, 25km, n19, c075/24, Off coast of Oregon

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

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WALA, ANMO, YKA, ILAR, etc.

15d 22:09:59.9:1.4, 11:22S:117:91E, h0km, mb3.7/2, mb1.7/5, mb1mx3.8/16, mbtmp3.9/5, ML4.2/3, Error ellipse: s-maj=55.1km s-min=23.3km az=56.0

15d 22:00:00.3:0.6, 11:7S:0:1:11:57E:0:09, h33km, mb3.8/2, Error ellipse: s-maj=19.4km s-min=6.0km az=40.1

DJA 15:22:10:13, 10:47S:117:16E, h216km, MLv4.3/11, 15d 22:10:03.2:0.7, 11:6S:0:1:11:57E:0:09, h35km, n16, c071/22, mb3.8/2, South of Sumbawa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MTNI, IGBI, KHKI, NBGI, etc.

15d 22:24:18.7:0.6, 34:75N:23:70E, h21km, 2km, ML2.9/1, Error ellipse: s-maj=10.1km s-min=7.5km az=57.0

ATH 15:22:24:18.1, 34:71N:23:74E, h28km, 1km, MD3.6/5, THE 15:22:24:20.0, 34:75N:23:77E, h28km, 1km, ML2.9/1, Error ellipse: s-maj=2.2km s-min=1.2km az=235.0

15d 22:24:18.6:2.1, 34:72N:0:09:23:7E:0:1, h24km, 7km, n16, c054/29, Crete

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

15d 22:37:28.4:2.5, 6:38S:130:74E, h0km, mb3.7/1, mb1.3/5.3, mb1mx3.4/13, mbtmp3.3/3, ML3.4/1, Error ellipse: s-maj=143.6km s-min=32.9km az=71.0, Banda Sea

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

15d 22:46:01.8:5.9, 7:16N:71:64W, h86km, 47km, mb3.2/3, mb1.3/5.4, mb1mx3.2/21, mbtmp3.4/4, ML2.9/1, Error ellipse: s-maj=77.4km s-min=39.1km az=99.0

15d 22:46:12.9:0.6, 6:80N:0:07:72:98W:0:08, h176km, 6km, mb3.2/4, Error ellipse: s-maj=15.5km s-min=6.9km az=36.9

FUNV 15:22:46:14.8, 6:84N:73:14W, h164km, MWV3.4, NEIC 15:22:46:14.5:0.8, 6:57N:72:81W, h173km, 10km, mb3.2/2, Error ellipse: s-maj=17.8km s-min=13.8km az=103.0

15d 22:46:13.9:0.6, 6:70N:0:07:72:98W:0:08, h170km, 6km, n26, c096/31, mb3.2/4, 1D, North Colombia

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



Table with columns: Code, Station Name, Az, Alt, Azimuth, Elevation, SNR, and other parameters. Includes entries like P17A Butcher Ranch, N19A John Jarvis Ra, J22A Midwest, etc.

Table with columns: Code, Station Name, Az, Alt, Azimuth, Elevation, SNR, and other parameters. Includes entries like S25A Robots Cordova, T24A Torres, Weston, Y20A Horse Springs, etc.

Table with columns: Code, Station Name, Az, Alt, Azimuth, Elevation, SNR, and other parameters. Includes entries like SBL5 San Blas, RTR El Retiro, SNUE San Jose, etc.

ISCJB 16 00:24:17.0 2.0, 13:61N, 0:04-90:05W, 0:03, h103km, 2km, mb4.3/31, Error ellipse: s-maj=7.8km s-min=2.9km az=38.0
NEIC 16 00:24:17.0 2.0, 13:61N, 90:08W, h81km, mb4.5/20, MD4.8(SNET), After SNET.
NEIC Felt (III) from San Salvador.
CASC 16 00:24:18.4 1.3, 13:58N, 90:04W, h82km, 4km, MD4.3, ML4.4, mb4.5(NEIC)
IDC 16 00:24:22.4 2.4, 13:87N, 89:63W, h127km, 19km, mb3.9/17, mb1.4, 1/19, mb1mx3.9/28, mb1mp3.9/19, MS3.5, Ms1.3, 3/5, ms1mx2.9/26, Error ellipse: s-maj=22.8km s-min=15.1km az=57.0
ISC 16 00:24:19.3 0.3, 13:83N, 0:04-90:04W, 0:03, h97km, 2km, n132.1, #103/126, mb4.3/31, 3C-9D, Near coast of









ISC 16 00:49:18.8.0.3,3871N;0'02:22'55E;0.02,h10km,3km,  
n68,-0.76/121,Greece

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

0.9nm,0.6s,mb3.8,baz=87,slow=8.9,SNR=9.4  
ILAR Eielson Array 89.79 18 P P 01 55 21.2 -0.5

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

PETK Petropavlovsk- 1.73 179 P Pn 02 29 58.0 +0.1

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

ISC 16 02:30:10.6.1.8,37.61N;15.20E,h0km,mb3.8/5,  
mb1.3/7.13,mb1mx3.6/3.1,mbtmp3.6/13,ML3.4/8,Error

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

ISC 16 02:30:14.0.0.1,37.66N;14.97E,h5km,1km,Md3.0/7,  
ML2.9/6,Error ellipse: s-maj=1.7km s-min=1.0km az=77.0

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

ISC 16 02:30:15.0.3.3,37.65N;0.02E,15.13E;0.03,h22km,4km,  
n201,r124/295,mb3.8/5,24C-13SD,Sicily

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

ISC 16 02:02:32.0.5.8,29.97S;177.40W,h0km,mb3.5/2,  
mb1.3/8.2,mb1mx3.6/14,mbtmp3.5/2,Error ellipse:

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

ISC 16 01:16:27.2.5.1,29.17S;177.48W,h0km,mb3.4/2,  
mb1.3/7.2,mb1mx3.6/14,mbtmp3.4/2,Error ellipse:

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

ISC 16 02:16:33.1.1.5,23.53S;115.06W,h0km,mb3.6/4,  
mb1.4/0.4,mb1mx3.8/14,mbtmp3.6/4,MS3.7/3,Ms1.3.8/3,

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

ISC 16 02:29:14.3.1.5,54.83N;157.64E,h287km,16km,mb3.0/7,  
mb1.3/4.7,mb1mx3.1/24,mbtmp3.0/7,Error ellipse:

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













16d 5h

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like BUR08 Bucovina Ar. S, KPL Plockton, SMF Signal de Mont, etc.

2008 DEC

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like STEI Steigen, GRUI Steigen, STEI Steigen, etc.

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Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like KEV Kevo, KEV Kevo, KEV Kevo, etc.



0.5m, 0.4s, baz=98, slow=8.1, SNR=23
ASAR Alice Springs 48.16 254 P 06 21 54.9 -0.3
0.7m, 0.4s, baz=95, slow=9.7, SNR=12

ISCJB 16 06:40:28.7:1.3, 36:77N:0:08:27.90E:0:05, h2km, 10km,
Error ellipse: s-maj=13.5km, s-min=7.2km, az=176.8
CSEM 16 06:40:28.3:0.7, 36:73N:27:87E, h30km, MD2.7, Error
ellipse: s-maj=19.8km, s-min=11.2km, az=176.0
ISK 16 06:40:30.4, 36:94N:27:73E, h2km, ML2.4
DDA 16 06:40:30.9, 36:91N:27:70E, h7km, 3km, MD2.7
ISC 16 06:40:29.0:1.1, 36:79N:0:08:27.90E:0:05, h25km, gkm,
n12, e1312/21, Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like Datca, Yerkesik, Bodrum, etc.

IDC 16 06:42:26.6:1.8, 51:90N:174:25W, h0km, mb3.6/8,
mb1.3/9.10, mb1.9/3.72, mbtmp3.7/10, ML3.9/2, Error
ellipse: s-maj=48.5km, s-min=20.1km, az=3.0
NEIC 16 06:42:28.8, 51:38N:174:47W, h7km, ML3.3(AEIC), After
AEIC.
ISC 16 06:42:26.3:1.6, 51:24N:0:06:174:26W:0:07, h15km, gkm,
n36, e11319, mb3.6/8, Andean Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like Atka Island, Koff, KOKL, etc.

IDC 16 07:34:45.2:2.6, 48:66N:128:90W, h0km, mb3.5/2,
mb1.3/7.8, mb1mx3.5/2.6, mbtmp3.4/8, ML3.5/5, MS3.5/7,
Ms1.3/4.7, ms1mx3.2/26, Error ellipse: s-maj=48.7km,
s-min=14.1km, az=62.0
PGC 16 07:34:46.6:1.3, 48:80N:128:72W, h10km, ML3.0/8,
Mw3.6, 200km meg of Tofofo, Be Vancouver Island Region
NEIC 16 07:34:46.6, 48:80N:128:72W, h10km, MW3.6(PGC),
After PGC.

ISCJB 16 07:34:47.1:0.8, 48:93N:0:04:128:47W:0:07, h10km,
mb3.5/2, MS3.5/4, Error ellipse: s-maj=7.8km, s-min=4.8km,
az=147.0
ISC 16 07:34:49.0:0.8, 48:93N:0:04:128:40W:0:08, h10km, n45,
e1103/60, mb3.5/2, MS3.5/4, 6D, Vancouver Island region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like Eliza Dome, Brooks Peninsula, etc.

comp=Z, 192nm, 18.1s, baz=201, slow=38
BBB Bella Bella 3.21 3 Pn Pn 07 35 39.0 -0.0
BBB Bella Bella 3.21 3 Pn Pn 07 35 36.2 -1.3
PGC Sidney 3.29 94 ePn Pn 07 35 41.5 +1.0
JCW Jim Creek 4.37 98 ePn Pn 07 36 29.7 -1.0
LON Longmire 4.97 114 ePn Pn 07 36 05.2 +1.6
ETW Entiat 5.56 101 ePn Pn 07 36 12.2 +0.5
DLBC Dease Lake 9.52 355 Pn Pn 07 37 07.9 +2.0
DLBC Dease Lake 9.52 355 Pn Pn 07 37 07.9 +2.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like DLBC, NVAR, PDAR, etc.

IDC 16 07:27:23.0:0.5, 51:40N:174:21W, h0km, mb3.7/12,
mb1.4/0.14, mb1mx3.9/28, mbtmp3.8/14, ML4.2/2, MS3.3/2,
Ms1.3/4.2, ms1mx2.9/37, Error ellipse: s-maj=28.0km,
s-min=16.9km, az=159.0
ISCJB 16 07:27:20.2:0.5, 51:26N:0:06:174:10W:0:06,
h3km, 14km, mb4.1/17, Error ellipse: s-maj=9.3km,
s-min=6.3km, az=175.4
NEIC 16 07:27:28.9, 51:37N:174:37W, h3km, ML3.4(AEIC), After
AEIC.

ISC 16 07:27:29.2:0.5, 51:30N:0:08:174:16W:0:06,
h2km, 13km, n51, e087/56, mb4.1/17, Andean Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like ATKA, KOFF, KOKL, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like ILAR, EGAK, DAWY, etc.

IDC 16 08:12:52.0:1.1, 51:93N:173:90W, h0km, mb3.4/7,
mb1.3/9.9, mb1mx3.6/27, mbtmp3.6/9, ML4.3/2, Error
ellipse: s-maj=47.7km, s-min=20.3km, az=142.0
ISCJB 16 08:13:01.7:0.5, 52:2N:0:2:173:89W:0:09, h7km, 4km,
mb3.3/7, Error ellipse: s-maj=30.0km, s-min=5.2km,
az=164.4
NEIC 16 08:13:03.1, 51:83N:173:78W, h52km, ML3.7(AEIC), After
AEIC.

ISC 16 08:13:02.7:0.5, 52:2N:0:2:173:90W:0:09, h82km, 5km,
n41, e077/45, mb3.3/7, Andean Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like ODAN, JIRN, RAMN, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like ATKA, KOFF, etc.

GSMY Great Sitkin M 1.33 266 Pn Pn 08 13 25.7 -0.2
GSTD Great Sitkin T 1.39 266 P S Sn 08 13 24.4 -0.2
GSTD Great Sitkin T 1.39 266 P S Sn 08 13 44.9 +0.3
GSKC Great Sitkin C 1.50 265 P P Sn 08 13 26.7 -0.1
ETKA Kagalaska Isla 1.46 260 P P Sn 08 13 29.0 0.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like ADAG, KIRH, KICV, etc.

DJA 16 08:16:52, 1:09N:122:05E, h10km, MLv3.8/4, Minahassa
Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like MRSI, GTOI, etc.

IDC 16 08:35:52.5:1.3, 10:26S:152:60E, h0km, mb3.5/5,
mb1.3/8.6, mb1mx3.7/14, mbtmp3.6/6, ML2.3/1, MS3.5/5,
Ms1.3/5.5, ms1mx3.2/22, Error ellipse: s-maj=31.7km,
s-min=23.5km, az=145.0, D'Entrecasteaux Islands
region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like PMG, HNR, CTA, etc.

IDC 16 08:40:18.7:3.2, 60:50S:28:87W, h0km, mb4.0/2,
mb1.4/1.2, mb1mx3.8/10, mbtmp4.0/2, MS3.4/1, Ms1.3/4.1,
ms1mx2.7/14, Error ellipse: s-maj=115.1km,
s-min=51.5km, az=171.0, South Sandwich Islands
region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like QSPA, LPAZ, etc.

IDC 16 08:53:15.9:13.0, 28:13S:68:19W, h68km, 117km,
mb3.8/6, mb1.3/8.6, mb1mx3.6/15, mbtmp3.7/6, Error
ellipse: s-maj=44.2km, s-min=22.2km, az=56.0, La Rioja
Province

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like CFAA, LPAZ, etc.

IDC 16 09:05:46.0:1.4, 7:10S:148:21E, h0km, mb3.5/3,
mb1.3/8.4, mb1mx3.6/14, mbtmp3.6/4, ML3.7/1, MS3.1/1,
Ms1.3/1.1, ms1mx2.4/23, Error ellipse: s-maj=69.8km,
s-min=25.8km, az=118.0
NEIC 16 09:05:51, 4:0.9, 6:88S:147:83E, h35km, mb3.5/3, Error
ellipse: s-maj=34.1km, s-min=12.5km, az=109.0
ISCJB 16 09:05:53.6:3.3, 7:05S:0:2:147:8E:0:3, h70km, 30km,





Table of astronomical observations for 16d 10h, listing station names (e.g., WRAB, BBOC, BRTR), object names (e.g., Tennant Creek, Keskin Array B), coordinates, and observation parameters.

Table of astronomical observations for 2008 DEC, listing station names (e.g., SONM, SOMN, SONE), object names (e.g., Songo Array, Svaldovsk), coordinates, and observation parameters.

Table of astronomical observations for 2008 DEC, listing station names (e.g., ESDC, ESOC, ESOC), object names (e.g., Sonseca Array, Chu'l'man), coordinates, and observation parameters.

Technical notes and data for the observations, including coordinates, error ellipses, and station identifiers.







16d 13h

NEIC 16 13:36:07.0.9.0.4, 36.90N-135.28E, h377km, 6km, mb3.4/3, Error ellipse: s-maj=10.1km s-min=8.3km az=50.0 JMA 16 13:36:07.7.0.1.36.86N-135.26E, h371km, 2km, M3.1 ISC 16 13:36:07.8.0.3, 36.83N-135.27E, h374km, 4km, n44, c0561/53, mb3.4/8, Sea of Japan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists seismic stations and their parameters for the 16d 13h event.

IDC 16 13:39:12.6.6.4, 42.37N-143.69E, h101km, 39km, mb3.2/5, mb1 3.4/5, mb1mx3.1/23, mbtmp3.2/5, Error ellipse: s-maj=59.3km s-min=29.3km az=172.0 ISC/CJB 16 13:39:17.0.0.5, 43.03N-143.54E, h120km, 3km, mb3.5/5, Error ellipse: s-maj=8.9km s-min=6.6km az=148.5 NEIC 16 13:39:18.4.0.8, 43.07N-143.55E, h119km, 8km, Error ellipse: s-maj=19.6km s-min=16.7km az=82.0 JMA 16 13:39:18.5.0.1, 43.03N-143.48E, h110km, 1km, M2.9 JMA Feat 1 JMA 16 13:39:18.1.0.5, 43.03N-143.53E, h114km, 3km, n30, c0554/41, mb3.5/5, Hokkaido region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists seismic stations and their parameters for the 16d 13h event.

GUC 16 13:48:10.5.0.4, 40.82S-73.09W, h52km, 2km, ML4.2, 2D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists seismic stations and their parameters for the GUC event.

2008 DEC

Table with columns: HUNY, Huinay, 1.83 164 eP, Pn, 13 48 40.8 +1.2, 13 49 03.2 +1.6, 13 49 07.5. Lists seismic events and station data.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists seismic stations and their parameters for the 2008 DEC event.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists seismic stations and their parameters for the 2008 DEC event.

650

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists seismic stations and their parameters for the 650 event.





















Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like M24A Cheyenne, N22A Wattenberg Ran, P19A Cripple, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like I18A Diamond G Ranc, K16A Soda Springs, L14A Malta, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like K05A Summer Lake, C16A Fuhringer Ranc, B17A L&G Farms, etc.



mb1 4.2/22, mb1mx4.1/26, mbtmp4.1/22, Error ellipse: s-maj=21.8km s-min=11.6km az=4.0 NNC 16 22:39:58.2-4.0, 36:83N-71.05E, h146km, 39km, mb4.1, mpv5.3, Error ellipse: s-maj=32.6km s-min=23.2km az=13.0

ISC 16 22:39:54.0-0.3, 36:39N-0.02-71.43E, 0.03, h102km, 3km, n320, e17/412, mb4.5/79, 21C-26D,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like CEP Cherat, KBL Kabul, CHCP Chirah Chowk, THW Thamme Wali, SARP Sargodha, KSH Kashi, THN Thein Dam, AML Almayasha, UCH Uchtor, KZA Kyzart, BHK Bhakra, EKS2 Erkin-Say, EKS2 Erkin-Say, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, SDNR Sundarnagar, KK31 Karatay Array, KK31 Karatay Array, KKAR Karatay Array, KBK Karagaybulak, FRU Bishkek, ULHL Ulahol, CHMS Chumysh, SMLA Simla, SMLA Simla, USP Oспенovka, TKM2 Tokmak 2, TKM2 Tokmak 2, DDI Dehra Dun, AYAN Aya Nagar, DANN Dangshing, MK31 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, KOLN Koldanda, KOLN Koldanda, GKN Gorkha, GKN Gorkha, WMQ Urumqi, DMN Daman, DMN Daman, KKN Kakani, KKN Kakani, PKI Pulchoki, PKI Pulchoki.

Table with columns: PKI, Pulchoki, Az, Phase ID, Time, Res, ISC. Lists stations like GUN Gumba, GUN Gumba, KURB Kurchatov Arra, KURK Kurchatov, KURK Kurchatov, KURK Kurchatov, JIRN Jiri, JIRN Jiri, AB31 Akbulak array, AB31 Akbulak array, AB31 Akbulak array, ABKAR Akbulak array, RAMN Ramite, RAMN Ramite, VOSK Vostochnaya, TAPN Tapejlung, TAPN Tapejlung, ODAN Odare, ODAN Odare, ZRKN Zerenda, BVAO Borovoye Array, BVAO Borovoye Array, BVAR Borovoye Array, BVAR Borovoye Array, BRVK Borovoye, BRVK Borovoye, BRVK Borovoye, AKTO Aktyubinsk, AKTO Aktyubinsk, AKTO Aktyubinsk, AKTO Aktyubinsk, LSA Lhasa, LSA Lhasa, LSA Lhasa, POO Poona, KAD Karad, ZAAO Zalesovo Array, ZAAO Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam, HYB Hyderabad, NVS Novosibirsk, NVS Novosibirsk, NVS Novosibirsk, SHL Shillong, SHL Shillong, DGRG David-gareji, UMR Um Al-Rimmam, MIB Mutribah, MIB Mutribah, GNI Gani, GNI Gani, GNI Gani, MTA Mtsamsinda, TBLG Delisi, VIS Viskhaphatnam, RDF Al-Radifah, RDF Al-Radifah, NAY Al-Naaim, NAY Al-Naaim, SVE Sverdlodsk, SVE Sverdlodsk, ARU Arti, ARU Arti, AKH Akhalkalaki, ONI Oni, GTA Gaotai, KIV Kislovodsk, KIV Kislovodsk, KIV Kislovodsk, SOKR Solikamsk, SOKR Solikamsk, ANN Anapa, ANN Anapa, VSR Storozevye, VSR Storozevye, VSR Storozevye.

Table with columns: VSR, Az, Phase ID, Time, Res, ISC. Lists stations like SONM Songoing Array, SONM Songoing Array, SONM Songoing Array, BRTR Keskin Array B, BRTR Keskin Array B, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, KLMR Klimovskoe, KLMR Klimovskoe, AKASO Malin Array Be, AKASO Malin Array Be, AKASO Malin Array Be, AKASO Malin Array Be, KIEV Kiev, KIEV Kiev, VRI Vriocioia, VRI Vriocioia, PLOR Plostina, PLOR Plostina, MLR Muntele Rosu, MLR Muntele Rosu, BURAR Buccovina Array, BURAR Buccovina Array, BURAR Buccovina Ar. S, IIGN Ignalina, IIGN Ignalina, ISAL Salakas, ISAL Salakas, JOF Joensuu, JOF Joensuu, DRGR Kalwaria Pacla, DRGR Kalwaria Pacla, KWP Kalwaria Pacla, KWP Kalwaria Pacla, TRPA Tarpa, SUW Suwalki, SUW Suwalki, UZH Uzhgorod, FINES FINESS Array B, FINES FINESS Array B, FINES FINESS Array B, KAF Kangasniemi, KAF Kangasniemi, CRVS Cervenica-Dubn, CRVS Cervenica-Dubn, CRVS Cervenica-Dubn, BZS Buzias, BZS Buzias, KECS Kecoovo, KECS Kecoovo, KECS Kecoovo, KECS Kecoovo, MORC Moravsky Berou, MORC Moravsky Berou, GPK Gorka Klasztor, GPK Gorka Klasztor, KEV Kevo, KEV Kevo, VRAC Vranov, VRAC Vranov, ARCES ARCESS Array B, ARCES ARCESS Array B, ARCES ARCESS Array B, ARCES ARCESS Array B, DPC Dobruska-Polom, DPC Dobruska-Polom, DPC Dobruska-Polom, PRU Pruhonice, PRU Pruhonice, BRG Berggiesshubel, BRG Berggiesshubel, BRG Berggiesshubel, MOA Molin, MOA Molin, GECC GERESS Array S, GECC GERESS Array S, GECC GERESS Array S, GERES GERESS Array B, GERES GERESS Array B, GERES GERESS Array B, KHC Kasperske Hory, KHC Kasperske Hory, CLL Collim, CLL Collim, CLL Collim, TANN Tannenbergshta, TANN Tannenbergshta, NKV Novy Kostel, NKV Novy Kostel, MORB Mol Rana, ROTZ Rotzenmuhle, STEI Steigen, MOX Moxa, MOX Moxa.

Table of astronomical observations for Dec 2008, including stations like NC602, FLOS, KSAR, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for Dec 2008, including stations like LDF, LDF, FLN, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for Dec 2008, including stations like TXAR, SADO, SADO, etc., with columns for station name, coordinates, and observation details.

BUI 16 23:25:09.2, 40.33'N-84.26'E, h13km, ML3.8/7
IDC 16 23:25:26.3, 1.2, 41.79N:82.44E, h0km, mb3.5/3,
mb1 3.5/8, mb1mx3.4/29, mbtmp3.3/8, ML3.1/5, MS2.8/1,
Ms1 2.8/1, ms1mx2.3/28, Error ellipse: s-maj=30.2km
s-min=17.7km az=81.0.

NEIC 16 23:25:22.0, 41.78N:82.17E, h40km, mb3.0/1,
Error ellipse: s-maj=23.1km s-min=10.5km az=142.0
NNC 16 23:25:38.1, 1.9, 42.21N:82.14E, h28km, mb3.7,
mpv3.6, Error ellipse: s-maj=14.1km s-min=7.6km
az=134.0

ISC 16 23:25:28.6, 3.1, 41.79N:105.82:35E:0.07, h10km, 7km,
n34, r133x47, mb3.3/3, 10C-14D, Southern Xinjiang

Table of astronomical observations for Dec 2008, including stations like KNDK, MK31, MK31, etc., with columns for station name, coordinates, and observation details.

Table with columns: AKTO, AKTYBINSK, 18.89 306, Pn, 23 29 54.3 +4.8, etc.

NEIC 17 00:40:18.9, 18:09N:66:21W, h13km, MD2.9(RSPR), After RSPR.

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

KRSC 17 00:49:37.1, 2.52:57N:159.72E, h27km, 26km, ML3.6, Off east coast of Kamchatka Peninsula

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

ISCJB 17 00:53:46.1, 0.2, 7:34S:0:04:120:02E:0:04, h582km, 3km, mb4.4/33, Error ellipse: s-maj=6.3km s-min=5.2km az=152.2

IDC 17 00:53:47.5, 0.6, 7:27S:120:17E, h573km, 5km, mb3.8/14, mb1.3/17, mb1mx3.6/22, mbtmp3.7/17, Error ellipse: s-maj=17.2km s-min=7.1km az=62.0

NEIC 17 00:53:47.3, 0.4, 7:28S:120:09E, h576km, 5km, mb4.6/18, Error ellipse: s-maj=8.0km s-min=4.0km az=62.0

DJA 17 00:53:47.7, 4.55S:120:05E, h573km, mb4.4/17, ISC 17 00:53:47.0, 0.2, 7:35S:0:03:120:02E:0:04, h573km, 3km, az=121, c0689/121, mb1.5/2, Flores Sea

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

Table with columns: ASAR, ALICE SPRINGS, 21.00 142, P, 01 07 51.6 +0.6, etc.

IDC 17 01:17:59.0, 6.4, 36:30N:70:92E, h165km, 58km, mb3.5/8, mb1.3/6/12, mb1mx3.3/28, mbtmp3.5/12, Error ellipse: s-maj=34.0km s-min=18.5km az=27.0

ISCJB 17 01:18:00.7, 0.4, 36:56N:0:03:70:89E:0:05, h185km, 6km, mb3.7/8, Error ellipse: s-maj=7.0km s-min=4.1km az=164.6

NEIC 17 01:18:01.6, 0.5, 36:50N:70:89E, h182km, 6km, mb4.1/9, Error ellipse: s-maj=4.2km az=61.0

NNC 17 01:18:08.7, 3.4, 37:17N:70:69E, h166km, 33km, mb3.1, mpv3.9, Error ellipse: s-maj=28.8km s-min=17.1km az=22.0

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

Table with columns: EK2S, ERKIN-SAY, 67.48 19, P, 01 19 35.8 +1.0, etc.

BUI 17 01:27:18.2, 43:00N:126:50W, h10km, mb5.0/4, mb4.8/8, Ms4.7/3, Ms7.4/3, ISCJB 17 01:27:21.5, 0.5, 43:15N:0:03:126:29W:0:05, h10km, mb3.9/8, MS3.3/2, Error ellipse: s-maj=5.3km s-min=3.7km az=156.5







Table of astronomical observations with columns: Call Sign, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like M18A Lyman, G22A Birney, SCI San Clemente I, etc.

Table of astronomical observations with columns: Call Sign, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like TUC Tucson, V22A San Miguel Ran, U23A El Rito, etc.

Table of astronomical observations with columns: Call Sign, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like FINES FINESS Array B, JSC Jenkinville, LSA Lhasa, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JMJC Jan Mayen, JMI Jan Mayen, ILEI Leirhofo, etc.

IDC 17 06:38:36.7z.2.1, 10.425N x 111.52E, h0km, mb3.6/5, mb1 3.7/6, mb1mx3.6/18, mbtmp3.6/6, ML3.1/1, Error ellipse: s-maj=105.1km s-min=19.9km az=45.0, South of Jawa

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

ISCJB 17 06:48:30.3z.1.0, 32.30N x 0.03z.105.14E, h0km, mb3.6km, mb4.0/20, Error ellipse: s-maj=7.0km s-min=4.5km az=28.7

IDC 17 06:48:30.6z.0.6, 32.30N x 105.10E, h0km, mb4.0/17, mb1 4.1/20, mb1mx4.0/30, mbtmp3.9/20, ML4.0/2, Error ellipse: s-maj=23.8km s-min=12.4km az=56.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CD2 Chengdu, XTan, LANZH Lanzhou, etc.

IDC 17 06:48:30.3z.1.0, 32.30N x 0.03z.105.14E, h0km, mb3.6km, mb4.0/20, Error ellipse: s-maj=7.0km s-min=4.5km az=28.7

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

IDC 17 06:48:30.3z.1.0, 32.30N x 0.03z.105.14E, h0km, mb3.6km, mb4.0/20, Error ellipse: s-maj=7.0km s-min=4.5km az=28.7

IDC 17 06:48:30.3z.1.0, 32.30N x 0.03z.105.14E, h0km, mb3.6km, mb4.0/20, Error ellipse: s-maj=7.0km s-min=4.5km az=28.7

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ILAR Eielson Array, INK Inuvik, STKA Stephens Creek, etc.

ISCJB 17 07:14:24.3z.1.3, 42.81N x 0.08z.162.94E, h0km, mb3.3/4, Error ellipse: s-maj=12.9km s-min=4.8km az=24.2

CSEM 17 07:14:24.5z.0.8, 42.87N x 16.92E, h2km, ML2.6, Error ellipse: s-maj=19.9km s-min=7.1km az=27.0

BE0 17 07:14:26.6z.0.8, 42.87N x 17.01E, h0km, ML2.6/6, Error ellipse: s-maj=13.4z.32.83N x 16.93E, 0.07, h10km, n17, -0.89S/31, 2C-2D, Adriatic Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like STON Ston, PDG Podgorica, BLY Banja Luka, etc.

IDC 17 07:20:54.7z.1.8, 1.82N x 126.14E, h0km, mb3.3/4, mb1 3.5/4, mb1mx3.3/17, mbtmp3.3/4, Error ellipse: s-maj=185.2km s-min=21.8km az=66.0, Northern Molucca Sea

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

ISCJB 17 07:29:48.9z.0.4, 45.22N x 0.04z.93.81E, h0km, mb3.8/9, mb3.8/1, Error ellipse: s-maj=6.4km s-min=4.2km az=5.3

NMC 17 07:29:50.0z.0.4, 44.98N x 93.50E, h0km, mb4.0, mpv4.3, Error ellipse: s-maj=44.9km s-min=28.8km az=91.0

BUI 17 07:29:50.0z.44.96N x 93.53E, h13km, mb4.7/3, ML4.4/7, Ms4.1/3, Ms7.3/3

IDC 17 07:29:52.5z.0.9, 45.74N x 93.70E, h0km, mb3.8/9, mb1 4.0/12, mb1mx3.8/30, mbtmp3.8/12, ML3.5/3, MS2.9/1, Ms1.2/9.1, ms1mx2.4/40, Error ellipse: s-maj=22.8km s-min=13.9km az=11.0

NEIC 17 07:29:53.0z.0.6, 45.59N x 93.63E, h10km, mb3.7/4, Error ellipse: s-maj=12.8km s-min=8.5km az=182.0

MOS 17 07:29:54.7z.1.4, 45.65N x 93.57E, h33km, mb4.0/9, Error ellipse: s-maj=11.4km s-min=9.6km az=30.5

ISC 17 07:29:51.1z.0.4, 45.17N x 0.04z.93.75E, 0.04, h10km, n72, -1504/83, mb3.8/11, 5C-4D, Mongolia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WMQ Urumqi, GAT Gaotai, MK31 Makanchi Array, etc.

IDC 17 06:48:30.3z.1.0, 32.30N x 0.03z.105.14E, h0km, mb3.6km, mb4.0/20, Error ellipse: s-maj=7.0km s-min=4.5km az=28.7

IDC 17 06:48:30.3z.1.0, 32.30N x 0.03z.105.14E, h0km, mb3.6km, mb4.0/20, Error ellipse: s-maj=7.0km s-min=4.5km az=28.7





Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like VTS, Vitosha, SVLJ, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like HORT, NIE, NED, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like AKTK, AKTO, ARU, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, I, S, C. Includes stations like AFI, URZ, RPA, etc.

GUC 17 07:51.54±1.1, 2.22245x70.033W, h47km, 4km, MD3.7, ML3.5, 1C, Near coast of northern Chile

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, I, S, C. Includes stations like MACH, MECH, ANCH, etc.

BUI 17 08:09:55.7, 7.58S, 148.07E, h58km, mB5.1/24, mb4.8/34, MS4.9/24, Ms7.4/6/24

MOS 17 08:09:55.2±1.0, 7.15S, 147.94E, h33km, mB5.3/25, MS4.2/6, Error ellipse: s-maj=9.9km s-min=6.8km az=91.1

ISCJB 17 08:09:57.0±0.2, 7.23S, 0.03x147.85E±0.04, h48km, mB5.1/102, MS4.3/30, Error ellipse: s-maj=5.8km

s-min=3.9km az=1.4, IDC 17 08:09:57.0±0.5, 7.19S, 147.80E, h34km, 2km, mb4.6/23, mB1.4/8/26, m1mx4.8/26, mbtmp4.7/26, ML4.6/3, MS4.4/18, mS1.4/4/18, ms1mx4.2/24, Error ellipse: s-maj=13.3km s-min=8.4km az=117.0

NEIC 17 08:09:57.0±0.4, 7.18S, 147.89E, h39km, 4km, mb5.3/48, Error ellipse: s-maj=5.5km s-min=4.2km az=87.0

DJA 17 08:10:01.7, 3.35S, 147.84E, h56km, mb5.0/12, GCMT 17 08:10:02.1±0.2, 7.40S, 147.88E, h46km, 1km, MW5.3, Moment Tensor Solution: s60,c86; s90,c163; Moment tensor: Scale 10^16Nm; Mr=1.09e-22; Mw=0.02; 18;

Mw=5.9±2.0; Mw=1.38±1.8; Mw=3.3±1.7; Mw=5.99±2.5; Best double couple: M9.50000±10^16 NP1=243.00000±0.5330000°; λ=163.00000°; NP2=147.00000°; λ=82.00000°; λ=38.00000°. Principal axes: T 8.8000, P19.0000°, Azm201.0000°; N 1.4000, P151.0000°, Azm316.0000°; P -10.2000, P193.0000°, Azm98.0000°; Data Used: II IU G CN IC.

ISC 17 08:09:58.9±0.2, 7.25S, 0.03x147.88E±0.04, h50km, h50km, 3.5km; pP-P, n312, s1906/258, mb5.1/101, MS4.3/30, 5C-1D, Eastern New Guinea region

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, I, S, C. Includes stations like PMG, HNR, CTA, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, I, S, C. Includes stations like WBA, WRA, WRM, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, I, S, C. Includes stations like ERM, ERN, ERW, etc.



Table with columns: DBIC, LIC, Lamto, 153.08 269, ePKIKP, PKPdf, 08 29 51.6, 08 29 45.8 +1.1, comp=Z,50nm,0.9s, 153.08 269, ePKIKP, PKPdf, 08 29 45.8 +1.1

IDC 17 08:21:52.0-4.0, 8.71N, 126.51E, h76km, 35km, mb3.5/9, mb1 3.7/9, mb1mx3.5/21, mbtimp3.5/9, Error ellipse: s-maj=37.4km s-min=15.6km az=63.0

NEIC 17 08:21:51.7-1.0, 8.67N, 126.47E, h74km, 9km, mb4.3/1, Error ellipse: s-maj=13.7km s-min=6.0km az=67.0

ISCJB 17 08:21:52.5-1.0, 8.62N, 0.16W, s-126.33E, 0.09, h49km, 8km, mb4.3/18, Error ellipse: s-maj=15.9km s-min=6.9km az=154.4

MAN 17 08:21:54.8, 8.58N, 126.20E, h75km, mb4.6, ML3.5, MS3.5

ISC 17 08:21:53.3-1.0, 8.63N, 0.05W, 126.34E, 0.09, h85km, 8km, n50, o090/54, mb4.3/18, 1C-1D, Mindanao

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Lists various seismic stations and their coordinates.

IDC 17 09:14:45.0-0.8, 30.97S, 177.48W, h0km, mb4.1/5, mb1 4.4/5, mb1mx4.1/16, mbtimp4.1/5, MS3.7/3, Ms1 3.7/3, ms1mx3.2/28, Error ellipse: s-maj=31.0km s-min=27.3km az=172.0

NEIC 17 09:14:46.0-0.6, 30.96S, 177.47W, h10km, mb4.4/2, Error ellipse: s-maj=17.5km s-min=14.9km az=103.0

ISCJB 17 09:14:48.9-1.1, 30.95S, 0.07W, 177.5W, 0.2, h33km, mb4.1/5, MS3.7/3, Error ellipse: s-maj=22.9km s-min=19.9km az=122.8

ISC 17 09:14:50.9-1.1, 30.90S, 0.07W, 177.5W, 0.2, h35km, n33, o059/20, mb4.1/5, MS3.7/3, Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Lists seismic stations for the Kermadec Islands region.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Lists seismic stations for the Tonga region.

IDC 17 09:51:41.0-4.2, 7.43N, 34.16W, h0km, mb3.4/3, mb1 3.7/3, mb1mx3.4/23, mbtimp3.4/3, MS3.4/2, Ms1 3.5/2, Ms1 3.6/3, 1/25, Error ellipse: s-maj=181.5km s-min=31.6km az=8.0, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Lists seismic stations for the Tonga region.

IDC 17 10:03:28.6-8.1, 5.91S, 145.78E, h75km, 63km, mb3.1/2, mb1 3.5/4, mb1mx3.2/15, mbtimp3.4/4, ML3.5/2, MS3.6/3, Ms1 3.6/3, ms1mx2.9/22, Error ellipse: s-maj=83.6km s-min=51.9km az=46.0, Eastern New Guinea region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Lists seismic stations for the Eastern New Guinea region.

BUI 17 10:10:45.5, 20.06N, 145.94E, h63km, mb4.9/13, mb4.7/19, Ms4.5/10, Ms7.4/3/11

ISCJB 17 10:10:56.3-1.3, 20.63N, 0.05W, 145.11E, 0.05, h86km, 11km, mb4.5/51, Error ellipse: s-maj=8.0km s-min=7.0km az=171.5

IDC 17 10:11:00.8-0.0, 20.74N, 145.10E, h121km, 6km, mb4.0/19, mb1 4.2/22, mb1mx4.1/31, mbtimp4.0/22, Error ellipse: s-maj=14.5km s-min=9.2km az=89.0

NEIC 17 10:11:00.8-0.2, 20.69N, 145.09E, mb4.6/3/1, Error ellipse: s-maj=7.1km s-min=5.1km az=97.0

ISC 17 10:10:58.7-1.2, 20.65N, 0.05W, 145.16E, 0.04, h97km, 10km, n31, o047/308, mb4.5/51, 126C-84D, Mariana Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Lists seismic stations for the Mariana Islands region.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Lists seismic stations for the New Zealand region.

SOMN Songoing Array 41.32 320 P 10 18 34.0 -0.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Lists seismic stations for the New Zealand region.

AS31 Alice Springs 45.39 195 P 10 19 06.6 -1.1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Lists seismic stations for the New Zealand region.

TRF Thorare Mtn. 60.20 28 P 10 20 57.1 +0.4

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Lists seismic stations for the New Zealand region.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Lists seismic stations for the New Zealand region.

MOD Modoc 79.75 49 P 10 22 55.2 -1.0

NEW Newport 79.82 42 P 10 22 56.6 +0.2

A12A Yaak River Ran 80.51 41 P 10 23 00.3 +0.2

F10A Carson Ranch, E 80.52 44 P 10 23 00.7 +0.5

J08A Circle Bar Ran 80.56 47 P 10 23 00.9 +0.5

BMO Blue Mountains 80.56 46 P 10 23 02.2 +0.2

CMB Columbia Colie 80.93 53 P 10 23 03.1 +0.5

WCN Washoe City 80.98 51 P 10 23 02.9 +0.1

C12B Naegeli Ranch, 81.05 42 P 10 23 03.1 +0.1

A13A Flathead Natio 81.27 41 P 10 23 04.4 +0.2

BSMT Bassoon Peak 81.43 42 P 10 23 05.9 +0.0

B13A Whitefish 81.44 42 P 10 23 05.4 +0.4

E12A Beaver Dam Sad 81.45 44 P 10 23 05.2 +0.1

C13A Hot Springs 81.63 42 P 10 23 06.1 +0.1

A14A Double T Ranch 81.86 41 P 10 23 07.2 0.0

F12A Elk City 81.89 44 P 10 23 07.7 +0.2

D13A Huson 81.91 43 P 10 23 06.8 -0.8

G12A Big Creek, Yel 82.07 45 P 10 23 08.4 0.0

C14A Swan Lake 82.11 42 P 10 23 08.4 -0.2

A15A Johnson Ranch, 82.28 41 P 10 23 09.7 +0.2

E13A Victor 82.33 43 P 10 23 09.2 -0.5

NVAR Mina Array Bea 82.34 52 P 10 23 10.5 +0.5

MFID	Camas Ranch	82.35	47	eP	P	10 23 10.2 +0.2
F13A	Darby	82.48	44	↑P	P	10 23 10.0 -0.5
D14A	Greenough	82.52	43	↓P	P	10 23 10.6 -0.2
H12A	Diamond D Ranch	82.59	45	↓P	P	10 23 10.8 -0.3
B15A	Bradely Ranch,	82.64	41	↑P	P	10 23 10.9 -0.4
VES	Vestal, Richgr	82.64	55	↑P	P	10 23 10.7 -0.9
I12A	Atlanta	82.68	46	↓P	P	10 23 11.1 -0.6
G13A	Cobalt	82.80	45	↓P	P	10 23 12.4 +0.2
C15A	Salmond Ranch,	82.82	42	↑P	P	10 23 12.2 0.0
H13A	Challis	82.98	45	↑P	P	10 23 13.2 +0.1
A16A	West Butte Ran	82.98	40	↓P	P	10 23 13.2 +0.1
HLID	Hailey	83.25	46	↓P	P	10 23 14.5 -0.1
I13A	Wildhorse Cree	83.32	46	↓P	P	10 23 14.9 -0.1
E15A	Deer Lodge	83.32	43	↓P	P	10 23 14.8 -0.1
C16A	Fuhringer Ranc	83.35	41	↓P	P	10 23 14.9 0.0
J13A	Cove Ranch, Pi	83.47	46	↓P	P	10 23 15.4 -0.3
A17A	Triple J Farms	83.53	40	↑P	P	10 23 15.5 -0.4
H14A	Leadore	83.55	45	↓P	P	10 23 16.0 -0.1
LRM	Limelkin Ridge	83.68	43	eP	P	10 23 16.9 +0.1
B17A	L&G Farms, Che	83.73	41	↑P	P	10 23 17.0 +0.1
I14A	Maclay	83.76	45	↓P	P	10 23 17.1 -0.1
MPMC	Manual Prospec	83.78	54	↓P	P	10 23 17.1 -0.3
LRMC	Laurel Mountai	83.84	55	↑P	P	10 23 17.5 -0.2
E16A	East Helena	83.89	43	↓P	P	10 23 17.6 -0.2
G15A	Dillon	83.91	44	↓P	P	10 23 18.0 +0.1
J14A	Carrey	83.95	46	↑P	P	10 23 18.4 +0.3
C17A	Wharram Farm,	84.02	41	↑P	P	10 23 18.4 -0.1
H15A	Lima	84.03	45	↑P	P	10 23 18.3 -0.2
A18A	Metzger Ranch,	84.05	40	↑P	P	10 23 18.6 +0.1
FURC	Furnace Creek,	84.11	53	↓P	P	10 23 19.1 0.0
F16A	Kenard Place,	84.23	43	↑P	P	10 23 19.6 +0.1
D17A	Six Diamond Ra	84.27	42	↓P	P	10 23 19.7 +0.1
B18A	Beardsley Farm	84.31	40	↑P	P	10 23 19.6 -0.3
G16A	Moss Hill, Enn	84.33	44	↑P	P	10 23 20.0 -0.1
R11A	Troy Canyon, C	84.37	51	↑P	P	10 23 20.3 -0.1
E17A	Martindale	84.42	44	↑P	P	10 23 20.6 +0.1
K14A	Jones Ranch, D	84.48	47	↑P	P	10 23 20.6 -0.2
EGMT	Eagleton	84.48	41	↑P	P	10 23 20.7 -0.1
GSC	Goldstone	84.57	54	↓P	P	10 23 21.1 -0.4
J15A	Blackfoot	84.64	46	↑P	P	10 23 22.2 +0.5
QLMT	Earthquake Lak	84.74	44	eP	P	10 23 23.2 +1.2
B19A	Fritzkman Farms	84.79	40	↑P	P	10 23 22.2 -0.1
F17A	Fitzpatrick Pl	84.79	43	↑P	P	10 23 22.3 -0.1
H16A	Russell Place,	84.91	44	↓P	P	10 23 23.5 +0.5
FINES	FINESS Array B	84.91	335	P	P	10 23 20.3 -2.3
FINES	FINESS Array B	84.91	335	P	P	10 23 20.3 -2.3
G17A	Pierce Place,	84.98	43	↑P	P	10 23 23.2 -0.1
E18A	Harlowton	84.99	42	↓P	P	10 23 23.5 +0.2
C19A	Slack Wire Ran	85.03	41	↑P	P	10 23 23.6 +0.1
I16A	Newdale	85.08	45	↑P	P	10 23 24.4 +0.5
TUQ	Turquoise Moun	85.19	54	↑P	P	10 23 24.6 0.0
A20A	Cobblestone Ra	85.21	39	↑P	P	10 23 24.5 +0.1
L15A	Malad City	85.23	47	↓P	P	10 23 24.9 +0.3
J16A	Bone	85.24	46	eP	P	10 23 25.5 +0.8
YNR	Norris Junctio	85.27	44	↑P	P	10 23 26.5 +1.7
B20A	Solberg Farm,	85.35	40	↓P	P	10 23 25.0 -0.1
D19A	Cripps Ranch,	85.38	41	↓P	P	10 23 25.1 -0.2
F18A	Big Timber	85.39	43	↑P	P	10 23 25.5 +0.2
R112	Red Ridge	85.41	45	eP	P	10 23 25.8 +0.3
K16A	Soda Springs	85.44	46	↑P	P	10 23 26.3 +0.7
FLWY	Flag Ranch	85.45	45	eP	P	10 23 26.9 +0.8
R13A	O'Grain Ranch,	85.61	51	↑P	P	10 23 26.5 -0.1
GMRC	Granite Mounta	85.64	55	↓P	P	10 23 26.3 -0.5
DUG	Dugway	85.65	49	↓P	P	10 23 26.6 -0.1
DUG	Dugway	85.65	49	eP	P	10 23 26.6 -0.2
BELC	Belle Mtn. Jos	85.67	55	↑P	P	10 23 26.7 -0.2
C20A	Veseth Ranch,	85.68	40	↓P	P	10 23 26.9 +0.2
FFC	Flin Flon	85.73	32	eP	P	10 23 26.3 -0.6
E19A	Rath Farm, Ro	85.74	42	↓P	P	10 23 26.6 -0.5
A21A	Bergtoll Ranch	85.76	39	↑P	P	10 23 26.8 -0.3
D20A	Manuel Ranch,	85.87	41	↑P	P	10 23 27.6 -0.1
L16A	Fish Haven	85.88	47	↑P	P	10 23 27.9 0.0
B21A	Ellsworth Farm	85.95	39	↑P	P	10 23 27.8 -0.3
DVTC	Desert V Tower	86.09	57	↑P	P	10 23 28.7 -0.4
ARUT	Antelope Range	86.14	51	eP	P	10 23 29.5 +0.2
C21A	Desert Coulee	86.18	40	↓P	P	10 23 29.2 -0.2
B3A	Big Chuckawall	86.22	56	↑P	P	10 23 29.2 -0.5
L17A	Cokeville	86.22	46	↑P	P	10 23 29.4 -0.1
IRM	Iron Mountain	86.26	55	↑P	P	10 23 29.3 -0.6
J18A	Kendall Valley	86.33	45	↓P	P	10 23 30.3 +0.3
A22A	Carney Farms,	86.35	39	↑P	P	10 23 29.2 -0.8
H19A	Powell	86.39	43	↑P	P	10 23 29.6 -0.7
JLU	Jordanelle	86.44	48	eP	P	10 23 31.3 +0.6
K18A	Toltan Ranch,	86.56	46	↓P	P	10 23 31.4 +0.3
O16A	Springville	86.56	48	↑P	P	10 23 31.0 -0.2
D21A	La Casta Ranch	86.58	41	↑P	P	10 23 31.2 0.0

B22A	Reddigh Ranch S	86.62	39	↑P	P	10 23 31.6 +0.3
M17A	Scullys Gap (B	86.62	47	↑P	P	10 23 31.6 +0.1
G20A	Bridger	86.64	43	↓P	P	10 23 31.4 -0.1
R15A	Junction	86.82	50	↑P	P	10 23 32.2 -0.4
BW06	Boulder Array	86.83	45	↑P	P	10 23 32.0 -0.5
PDAR	Pinedale Array	86.83	45	P	P	10 23 32.2 -0.3
PDAR	Pinedale Array	86.83	45	P	P	10 23 32.2 -0.3
L18A	Fontenelle, Gr	86.86	46	↓P	P	10 23 32.3 -0.4
W13A	Hualapai Mount	86.86	54	↑P	P	10 23 32.5 -0.4
C22A	Vida	86.94	40	↑P	P	10 23 32.7 -0.2
J19A	Crowheart	86.95	45	↑P	P	10 23 33.6 +0.5
PDMOI	Parker Dam,Lak	86.98	55	↑P	P	10 23 33.4 0.0
D22A	Cohagen	87.04	40	↑P	P	10 23 33.4 0.0
M18A	Lyman	87.05	47	↑P	P	10 23 33.2 -0.4
O17A	Robinson Place	87.10	48	↑P	P	10 23 33.8 -0.1
B23A	Brocton	87.14	39	↓P	P	10 23 33.8 -0.1
LAO	LASA Array	87.22	41	↑P	P	10 23 34.5 +0.2
L19A	Farson	87.24	46	↑P	P	10 23 34.5 0.0
K19A	Absolon Red Bu	87.27	45	↑P	P	10 23 34.3 -0.4
C23A	Lambert	87.33	39	↓P	P	10 23 34.6 -0.2
R16A	Teale	87.36	50	↓P	P	10 23 35.5 +0.4
N18A	Larsen Ranch,	87.51	47	↑P	P	10 23 35.8 0.0
S16A	Weppner Ranch,	87.51	51	↑P	P	10 23 35.8 -0.1
U15A	North Rim	87.53	52	↑P	P	10 23 35.7 -0.3
J20A	Shoshoni	87.55	44	↓P	P	10 23 35.8 -0.1
O18A	Roosevelt	87.58	48	↑P	P	10 23 36.2 0.0
K20A	Yellowstone Ra	87.68	45	↓P	P	10 23 36.3 -0.2
P18A	Preston Nutter	87.68	46	↑P	P	10 23 36.5 -0.1
SRU	San Rafael	87.70	49	eP	P	10 23 36.3 -0.5
Z13A	Yuma Proving G	87.78	55	↓P	P	10 23 37.1 -0.1
G22A	Birney	87.86	42	↓P	P	10 23 37.5 +0.1
I21A	Big Trails, Te	87.86	44	↑P	P	10 23 36.8 -0.6
R17A	Hanksville Air	87.86	50	↓P	P	10 23 37.4 -0.1
Q18A	Rafter H Ranch	87.98	49	↑P	P	10 23 37.9 -0.3
Y14A	Wickenburg	87.99	55	↑P	P	10 23 38.4 +0.1
S17A	Black Ridge (B	88.12	50	↑P	P	10 23 38.5 -0.3
T17A	Navajo Res., N	88.39	51	↓P	P	10 23 39.8 -0.3
K21A	Alcova	88.41	45	↑P	P	10 23 39.8 -0.3
G23A	Bidale	88.43	42	↑P	P	10 23 39.8 -0.2
R18A	Canyonlands Na	88.46	49	↑P	P	10 23 40.0 -0.4
U16A	Tuba City	88.50	52	↑P	P	10 23 40.6 0.0
N20A	Spence Gulch,	88.53	47	↑P	P	10 23 40.3 -0.4
P19A	Cripple Cowboy	88.56	48	↑P	P	10 23 40.7 -0.1
WUAZ	Wupatki	88.58	53	↑P	P	10 23 40.6 -0.4
WUAZ	Wupatki	88.58	53	eP	P	10 23 42.1 +1.1
L21A	Rawlins	88.63	45	↓P	P	10 23 40.6 -0.5
U17A	Shonto	88.65	51	↓P	P	10 23 41.5 +0.2
Q19A	Hot Spring (	88.66	49	↓P	P	10 23 40.9 -0.4
S18A	Hurst Farm, BI	88.68	50	↑P	P	10 23 41.1 -0.3
M21A	Separation Pea	88.86	46	↑P	P	10 23 41.8 -0.1
O20A	White River Ci	88.86	47	↑P	P	10 23 42.3 +0.1
R19A	Curley Farm, L	88.95	49	↑P	P	10 23 42.5 -0.1
V17A	Tonale, Kynth	88.97	52	↓P	P	10 23 42.9 +0.1
X16A	Lo Mita Camp, P	88.98	54	↑P	P	10 23 43.0 +0.1
T18A	Mexican Hat	89.00	51	↑P	P	10 23 42.9 0.0
N21A	Black Mountain	89.07	46	↓P	P	10 23 43.4 +0.2
Q20A	Ridgley Place,	89.34	48	↑P	P	10 23 45.0 +0.5
V18A	Canado	89.56	52	↑P	P	10 23 45.9 +0.3
R20A	Reale	89.62	49	↓P	P	10 23 45.9 +0.1
P21A	Newcastle	89.67	48	↓P	P	10 23 46.1 +0.1
Y17A	Roosevelt	89.73	54	↑P	P	10 23 46.5 +0.1
T19A	Beclabito	89.75	51	↓P	P	10 23 46.4 0.0
S20A	Disappointment	89.79	49	↑P	P	10 23 46.3 -0.3
U19A	Dine' College,	89.85	51	↓P	P	10 23 46.4 -0.5
Q21A	Lamborn Mesa,	89.90	48	↑P	P	10 23 47.3 +0.2
O22A	Kremmling	90.00	47	↓P	P	10 23 47.7 +0.1
X18A	Snowflake	90.05	53	↓P	P	10 23 48.1 +0.2
N23A	Red Feather La	90.08	46	↑P	P	10 23 48.1 +0.2
P22A	Eagle	90.12	47	↑P	P	10 23 48.3 +0.2
R21A	Cimarron	90.12	49	↑P	P	10 23 48.7 +0.6
S21A	Coal Bank Pass	90.27	49	↓P	P	10 23 49.3 +0.4
Y18A	Canyon Day Jun	90.31	54	↓P	P	10 23 49.6 +0.4
U20A	Newcomb	90.31	51	↓P	P	10 23 49.1 +0.1
Q22A	Crested Butte,	90.35	48	↑P	P	10 23 49.4 +0.2
O23A	Lake Granby, G	90.41	46	↓P	P	10 23 49.8 +0.3
M24A	Cheyenne	90.55	45	↓P	P	10 23 50.2 +0.1
X19A	St. Johns	90.59	53	↓P	P	10 23 50.6 +0.2
V20A	Brimhall	90.60	51	↓P	P	10 23 50.5 +0.1
L25A	Engelbretsen Ra	90.79	44	↓P	P	10 23 51.1 -0.1
ISCO	Idaho Springs	90.81	47	↑P	P	10 23 51.4 +0.1
118A	Homack Ranch,	90.84	55	↑P	P	10 23 51.9 +0.1
P23A	Jefferson	90.85	47	↑P	P	10 23 51.6 +0.1
W20A	Ramah	90.87	52	↑P	P	10 23 51.6 -0.1
S22A	4UR Ranch, Cre	90.91	49	↑P	P	10 23 51.5 -0.3

U21A	Nageezi	90.91	50	↓P	P	10 23 51.4 -0.4
O24A	Longmont	91.02	46	↑P	P	10 23 52.4 +0.1
K26A	Motz Farm, Whi	91.03	43	↓P	P	10 23 52.1 -0.2
X20A	Quemado	91.13	52	↓P	P	10 23 53.3 +0.4
T22A	Edith	91.19	50	↓P	P	10 23 53.1 -0.1
119A	Ashpeak Ranch,	91.29	54	↑P	P	10 23 54.0 +0.3
318A	Bisbee	91.33	56	↑P	P	10 23











17d 10h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Houchin Ranch, Bradelly Ranch, Shoshone NF, etc.

2008 DEC

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Casper, Bridger, Q25A, Laramie, etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Miles City, Volborg, NVL, etc.

Table with columns for station name, frequency, and other technical details. Includes stations like ECSD ZAK, TLY Talaya, CFAA Coronel Fontan, etc.

Table with columns for station name, frequency, and other technical details. Includes stations like KAD Karad, KURK Kurchatov, POO Poona, etc.

Table with columns for station name, frequency, and other technical details. Includes stations like SUR JMDO, TRO Tromso, BSY Bisya, etc.

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

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

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





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Alice Springs, Chiang Mai Arr, CMAR, etc.

IDC 17 11:03:57.5:2.6,24:335:174.82W,h0km,mb4.1/6, mb1 4.4/6,mb1mx4.1/16,mbtmp4.1/6,MS3.4/1,Ms1 3.4/1, ms1mx2.8/32, Error ellipse: s-maj=147.7km s-min=24.6km az=159.0, South of Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like URZ, CTA, ASAR, WRA, NVAR, TXAR, ILAR.

IDC 17 11:19:28.2:1.5,22:52S:170.64E,h0km,mb3.9/7, mb1 4.0/7,mb1mx3.9/16,mbtmp3.9/7, Error ellipse: s-maj=41.5km s-min=31.5km az=43.0

NEIC 17 11:19:33.6:1.1,22:52S:170.56E,h35km,mb4.5/2, Error ellipse: s-maj=30.7km s-min=20.9km az=202.0

IDC 17 11:19:32.4:0.4,22:52S:170.47E,0.09,h22km,28km, n19,-0:85/20,mb3.9/7, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BAYA, STKA, ASAR, WRA, GSPA, CMAR, NVAR, TXAR, ILAR.

NEIC 17 11:32:14.4, 16:73N:95:73W,h64km,MD4.0(MEX), After MEX.

MEX 17 11:32:13.6:1.1, 16:70N:95:72W,h72km,16km,MD4.0, Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CMIG, HUIG, VHO, UTMO, TPIG, PNIG, TGIG, PCIG, TEIG.

NEIC 17 11:41:33.1, 16:15N:97:60W,h22km,MD3.7(MEX), After MEX.

MEX 17 11:41:33.2:0.9,16:16N:97:60W,h20km,67km,MD3.7, Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PNIG, VHO, OXX, HUIG, UTMO, TPIG, PCIG, TEIG.

CMIG i/s Sn 11 42 45.8 -3.5 CSEM 17 11:43:21.9:0.2,39:40N:28:13E,h15km,MD3.0, Error ellipse: s-maj=5.6km s-min=3.3km az=42.0

IDC 17 11:43:22.1:0.7,39:39N:28:12E,h17km,MD2.7, Error ellipse: s-maj=8.6km s-min=5.2km az=30.8

IDC 17 11:43:22.2:1.0,39:44N:28:15E,h7km,5km,MD3.0, Error ellipse: s-maj=10.04:28:12E:0.04,h18km,6km,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BALB, DURS, DEMI, GONE, KCTX, KCTY, KULA, GDZ, MDNY, KRBG, YLV, MFT.

IDC 17 11:46:47.8:1.0,35:05S:0:108:5W,0:2,h10km,mb4.0/10, MS3.8/8, Error ellipse: s-maj=26.2km s-min=18.5km az=147.2

IDC 17 11:46:47.9:0.8,34:98S:108:62W,h0km,mb4.0/8, mb1 4.2/8,mb1mx4.1/17,mbtmp4.0/8,MS3.7/9,Ms1 3.8/9, ms1mx3.6/21, Error ellipse: s-maj=24.7km s-min=24.0km

NEIC 17 11:46:49.2:0.8,34:98S:108:60W,h10km,mb4.2/2, Error ellipse: s-maj=22.7km s-min=19.3km az=44.0

IDC 17 11:46:50.0:1.0,34:95S:0:1108:5W,0:2,h10km,n36, i127/18,mb4.0/10,MS3.8/8, Southern East Pacific Rise

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RPN, RKT, PLCA, CFAA, TBI, MEH, TIAR, PAE, PPT2, LPAZ, LPAZ, CPUP, SAML, ROSC, ROSC, GSPA, TXAR, NVAR, DZM, PDAR, HLD, HNR, STKA, BRTR, CMAR, NVAR, SONM.

MEX 17 11:49:59.1:0.0,15:46N:92:01W,h219km,13km,MD3.5, Mexico-Guatemala border region

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

VIE 17 12:00:03.0:2.50:25N:12:76E,h0km,ML2 5/2, Error ellipse: s-maj=2.2km s-min=0.7km az=40.0 22 km E of Klingenthal Suspected Mining explosion.

ISC 17 11:59:57.9:4.5,50:30N:0:08:12E:0.3:h0km,n3, o:089/5,2C-ID, Germany

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KSP, MOA, CONA.

BUC 17 12:00:31.3:0.7,45:74N:22:25E,h0km,MD2.4/3,4C-2D, Romania Error ellipse: s-maj=6.6km s-min=4.5km az=7.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BZS, GZR, DRGR.

ISC 17 12:15:46.2:0.7,38:90N:0:07:35:67E:0:07,h10km,9km, Error ellipse: s-maj=12.5km s-min=7.7km az=28.6

CSEM 17 12:15:46.4:0.3,38:88N:35:64E,h2km,MD3.0, Error ellipse: s-maj=11.1km s-min=4.9km az=19.0

DDA 17 12:15:46.1,38:89N:35:63E,h5km,3km,MD3.0, Error ellipse: s-maj=11.1km s-min=4.9km az=19.0

ISC 17 12:15:46.3:0.6,38:95N:0:09:35:66E:0:05,h11km,10km, n13,-0:05/22,Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BNN, PINB, AVNT, YOZ, SAR1, CDAG, CTKT, CTCT.

IDC 17 12:39:25.2:7.5,25:21S:179:76E,h466km,886km,mb3.2/4, mb1 3.4/5,mb1mx3.3/15,mbtmp3.2/5, Error ellipse: s-maj=63.8km s-min=30.5km az=5.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like URZ, STKA, ASAR, WRA, NVAR, BRTR.

NIED 17 13:10:00.4:0.10N:142:50E,h41km,Mw4.0 Best double couple: M1 28000x1019, M2 111x33,0000:187,0000:0

BUI 17 13:10:34.9,39:60N:144:00E,h81km,mb4.8/9,mb4.6/22, Ms4.2/4,Ms7.3/9.6

MOS 17 13:10:39.5:1.5,40:11N:142:39E,h33km,mb4.3/13, Error ellipse: s-maj=11.1km s-min=8.3km az=69.2

ISCJB 17 13:10:41.0:0.6,40:11N:0:03:142:46E:0.06,h51km,4km, mb4.4/31,MS3.4/4, Error ellipse: s-maj=7.9km s-min=5.2km az=22.9

JMA 17 13:10:41.1:0.1,40:12N:142:46E,h35km,1km,M4.1 JMA Felt 1 J.

NEIC 17 13:10:43.7:0.9,40:13N:142:47E,h62km,7km,mb4.7/16, Mw4.0(NIED), Error ellipse: s-maj=13.4km s-min=7.2km az=122.0

NEIC Recorded [1 JMA] in Iwate. IDC 17 13:10:44.1:2.6,40:11N:142:38E,h67km,23km,mb3.6/12, mb1 3.7/15,mb1mx3.6/26,mbtmp3.6/15,MS3.1/6, Ms1 3.1/6,ms1mx2.8/39, Error ellipse: s-maj=21.0km s-min=15.2km az=100.0

ISC 17 13:10:42.2:0.6,40:12N:0:03:142:44E:0:06,h42km,4km, n112,-0:03/123,mb4.4/31,MS3.4/4,2C-8D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JTH, MIYJ, JANG, JKZ, JOM, OFUJ, JTM, JAH, JMK, JMK, JMK, ERMO, ERMO, ASAJ, ASAJ, ASAJ, YUK.





Table with columns for station name, frequency, power, and other technical details. Includes stations like Alice Springs, Alice Springs, Alice Springs, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Solikamsk, Sochi, Mount Meron Ar, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Kalwaria Pacla, Kalwaria Pacla, Kalwaria Pacla, etc.





Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
ZALV	Zalesovo Beam	42.25	312	P	14 37 05.0	0.0
MK31	Makanchi Array	44.54	302	P	14 37 23.7	+0.1
MKAR	Makanchi Array	44.54	302	P	14 37 23.4	-0.2
1.1nm,0.8s,mb3.7,baz=81.3,SNR=6.5						
MKUR	Makanchi Array	44.54	302	P	14 37 23.4	-0.2
KURCH	Kurchatov	46.31	308	eP	14 37 37.4	-0.1
2.2nm,0.6s,mb4.3						
ILAR	Eielson Array	49.03	32	P	14 37 58.5	0.0
0.6nm,0.7s,mb3.7,baz=264.3,SNR=8.1						
ILAR	Eielson Array	49.03	32	P	14 37 58.5	0.0
W82	Warramunga Arr	57.31	189	eP	14 38 59.3	+0.6
WRA	Warramunga Arr	57.31	189	P	14 38 58.6	-1.2
1.0nm,1.0s,mb3.8,baz=3.5,SNR=16						
WRA	Warramunga Arr	57.31	189	P	14 38 58.6	-1.2
ASAR	Alice Springs	61.03	189	P	14 39 25.0	+0.6
0.2nm,0.5s,mb3.5,baz=16.5,SNR=4.5						
ASAR	Alice Springs	61.03	189	P	14 39 25.0	+0.6
YKA	Yellowknife Ar	63.36	30	P	14 39 40.8	0.0
0.2nm,0.5s,mb3.5,baz=299.5,SNR=3.9						
YKA	Yellowknife Ar	63.36	30	P	14 39 40.8	0.0
FINES	FINESS Array B	68.95	332	P	14 40 17.4	+0.7
1.1nm,0.6s,mb3.9,baz=44.5,SNR=1.0						
FINES	FINESS Array B	68.95	332	P	14 40 17.4	+0.7

IDC 17 15:00:26.5,2.2,16.67Sx176.49W,h0km,mb3.7/3,  
mb1.3/4,mb1mx3.6/17,mbtmp3.7/4,ML1.1/1, Error  
ellipse: s-maj=171.8km s-min=32.0km az=153.0, Fiji  
Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
AFI	Afiama Lu	5.31	60	Op	14 35 47.1	+0.1
1.8nm,0.3s,baz=250,slow=18,SNR=5.6						
STKA	Stephens Creek	40.83	240	P	14 42 10.8	+0.7
0.6nm,0.5s,baz=90,slow=11,SNR=4.6						
WRA	Warramunga Arr	46.67	258	P	14 42 56.9	-0.4
0.2nm,0.4s,baz=96,slow=7,SNR=9.5						
ASAR	Alice Springs	46.90	253	P	14 42 58.6	-0.3
0.7nm,0.3s,baz=90,slow=7.3,SNR=30						

DJA 17 14:38:41.3,5.59Sx126.23E,h140km,MLV3.6/6,Buru

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
AAI	Ambon	1.96	93	Op	14 39 16.4	+1.3
AAI	Ambon	1.96	93	S	14 39 35.1	-6.1
MSAI	Masohi	2.70	85	P	14 39 24.5	+0.3
MSAI	Masohi	2.70	85	S	14 39 41.3	-1.6
LBMI	Labuha	3.19	23	P	14 39 33.9	+2.8
LBMI	Labuha	3.19	23	S	14 40 07.7	+1.9
KDI	Kendari	4.62	264	P	14 39 37.9	+1.7
LUWI	Luwuk	3.28	36	P	14 39 44.0	-0.8

CASC 17 14:59:08.8,3.1,11.008N,87.59W,h65km,295km,MD3.7,  
ML3.2,1C,Near coast of Nicaragua

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
COPN	Copatepe	1.47	42	eP	14 59 32.6	-0.5
COPN	Copatepe	1.47	42	eS	14 59 53.0	+1.5
CSAN	CSAN	1.58	46	eP	14 59 35.1	+0.4
MIRN	Miramir	1.60	32	eP	14 59 34.4	-0.5
TICN	Ticuantepe	1.63	52	eP	14 59 35.1	+0.3
CNGN	Cerro Negro	1.66	32	eP	14 59 34.9	-0.9
CNGN	Cerro Negro	1.66	32	eS	14 59 58.0	+1.9
CNGN	Cerro Negro	1.66	32	AML	15 00 03.4	
comp=E,228nm,0.2s						
APYN	Apoyeque	1.67	47	eP	14 59 35.1	-0.7
CRIN	San Cristobal	1.69	18	AML	14 59 55.4	-0.8
CRIN	San Cristobal	1.69	18	AML	15 00 05.6	
comp=E,352nm,0.4s						

HUEN Las Lilas 1.87 48 eP Pn 14 59 37.9 -0.6

GBS2 Las Lilas 1.21 96 iP Pn 14 59 44.0 +2.1

GBS2 Las Lilas 1.21 96 iS Pn 14 59 44.0 +2.1

GBS3 Finca Las Im'i 2.12 98 iS Pn 15 00 08.3 +1.1

LAPC Finca La Perla 2.14 98 iP Pn 15 00 43.1 +0.8

LAPC Finca La Perla 2.14 98 iS Pn 15 00 08.2 +0.4

CUI Cuipilapa 2.42 100 iP Pn 14 59 47.6 +1.5

CUI Cuipilapa 2.42 100 iS Pn 15 00 15.9 +1.2

JCR Jicaral 2.73 116 eS Pn 15 00 07.9 +1.0

JCR Jicaral 2.73 116 eS Pn 15 00 22.4 +0.3

LAJ Bijagual 3.62 109f eS Pn 15 00 00.5 -2.0

LAJ Bijagual 3.62 109f eS Pn 15 00 33.9 -1.0

IDC 17 15:00:43.4,2.6,8.18S,119.54E,h0km,mb3.2/2,  
mb1.3/4,mb1mx3.3/17,mbtmp3.2/3,ML3.2/1, Error  
ellipse: s-maj=251.8km s-min=27.5km az=52.0

ISCBJ 17 15:00:53.1,0.5,9.11S,0.06,118.64E,0.03,h125km,8km,  
Error ellipse: s-maj=9.5km s-min=1.1km az=178.4

DJA 17 15:00:54.9,145S,118.63E,h110km,MLV4.1/15

ISC 17 15:00:54.4,0.5,9.09S,0.06,118.64E,0.03,h116km,9km,  
n19,e1504/26,Sumbawa region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
WSI	Waingapu	1.73	110	Op	15 01 26.9	+2.4
WSI	Waingapu	1.73	110	S	15 01 48.0	+0.8
MTNI	Mataram	2.48	280	P	15 01 33.6	-0.3
MTNI	Mataram	2.48	280	S	15 02 04.9	+0.7
IGBI	Denpasar	3.47	274	P	15 01 46.3	-0.5
IGBI	Denpasar	3.47	274	S	15 02 27.7	-2.3
MMRI	Maumere	3.58	83	P	15 01 54.3	+0.1
MMRI	Maumere	3.58	83	S	15 02 27.7	-2.3
BKSI	Bulukumba	4.02	22	P	15 02 38.8	-1.7
BKSI	Bulukumba	4.02	22	S	15 02 41.6	+0.6
NBBI	Negara	4.04	280	S	15 01 55.9	-0.6
KAPI	Kappang	4.33	281	P	15 01 58.6	+0.3
BYNJ	Banyuwangi	4.48	278	P	15 01 59.0	-1.4
JAGI	Jajag, Banyuw	4.78	278	P	15 02 50.9	-0.7
JAGI	Jajag, Banyuw	4.78	278	S	15 02 05.3	-0.4
BNSI	Bone	4.88	17	P	15 03 06.8	+5.6
BNSI	Bone	4.88	17	S	15 02 09.4	-0.7
GMJI	Gumukmas	5.21	279	P	15 02 12.2	+2.0
SPSI	Sidrap Palu	5.21	12	P	15 02 12.2	+2.0
BBSI	Bau Bau	5.29	48	P	15 02 12.0	+0.7
MMRI	Maumere	5.51	3	P	15 02 15.2	+0.9
MJSI	Majene	5.51	3	P	15 02 24.2	+1.7
TTSI	Tana Toraja	6.12	11	P	15 02 24.3	-0.1
KBKI	Kotabaru	6.25	337	P	15 02 24.3	-0.1
0.1nm,1.1s,mb3.8						
WRA	Warramunga Arr	18.62	127	P	15 05 02.7	-0.3
0.1nm,0.3s,baz=300,slow=12,SNR=7.3						
ASAR	Alice Springs	20.57	137	P	15 05 24.1	-0.1
0.6nm,0.7s,baz=320,slow=11,SNR=11						
MKAR	Makanchi Array	64.37	333	P	15 11 18.6	+0.7
0.2nm,0.5s,baz=166,slow=7.0,SNR=8.3						

TRN 17 15:40:52.7, 19.42N, 63.90W, h115km, MD3.5 (RSPP)

TEC 17 15:40:54.9, 19.42N, 63.96W, h114km, MD3.5 (RSPP),  
After RSPP.

RSPP 17 15:40:54.9, 19.42N, 63.96W, h114km, MD3.5, 1/3,  
20C-18D, Leeward Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
ABV	Anegada	0.77	208f	Op	15 41 14.2	0.0
ABV	Anegada	0.77	208f	P	15 41 14.2	0.0
TBVI	Tortola	1.17	212f	eP	15 41 17.5	-0.7
TBVI	Tortola	1.17	212f	eP	15 41 17.5	-0.7
TBVI	Tortola	1.17	212f	eP	15 41 17.5	-0.7
STVI	Saint Thomas	1.42	222f	eP	15 41 20.3	-0.6
STVI	Saint Thomas	1.42	222f	eP	15 41 20.3	-0.6
STVI	Saint Thomas	1.42	222f	eP	15 41 20.3	-0.6
MTP	Monte Pirata	2.00	229f	eP	15 41 27.9	-0.1
MTP	Monte Pirata	2.00	229f	eS	15 41 53.2	-0.2
MTP	Monte Pirata	2.00	229f	eS	15 41 27.9	-0.1
MTP	Monte Pirata	2.00	229f	eS	15 41 53.2	-0.2
CBYP	Canovanas	2.13	238f	eP	15 41 29.3	-0.3
CBYP	Canovanas	2.13	238f	eS	15 41 56.3	+0.1
CBYP	Canovanas	2.13	238f	eS	15 41 29.3	-0.3
CBYP	Canovanas	2.13	238f	eS	15 41 56.3	+0.1
HUMP	Col San Antoni	2.20	235f	eP	15 41 30.0	-0.5

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
HUMP	Col San Antoni	2.20	235f	eP	15 41 30.0	-0.5
HUMP	Col San Antoni	2.20	235f	eS	15 41 57.8	0.0
HUMP	Col San Antoni	2.20	235f	eP	15 41 30.0	-0.4
HUMP	Col San Antoni	2.20	235f	eS	15 41 57.8	0.0
CPD	Cerro la Pandu	2.31	234f	eP	15 41 31.6	-0.4
CPD	Cerro la Pandu	2.31	234f	eS	15 42 01.0	+0.7
CPD	Cerro la Pandu	2.31	234f	eP	15 41 31.6	-0.4
CPD	Cerro la Pandu	2.31	234f	eS	15 42 01.0	+0.7
SJD	San Juan	2.45	238	eP	15 41 33.3	-0.5
CELP	Cerrillos	2.82	242f	eP	15 41 38.8	-0.2
CELP	Cerrillos	2.82	242f	eP	15 41 38.8	-0.2
CELP	Cerrillos	2.82	242f	eP	15 41 38.8	-0.2
AOPR	Arecibo Observ	2.85	249f	eP	15 41 38.6	-0.4
AOPR	Arecibo Observ	2.85	249f	eP	15 41 38.6	-0.4
AOPR	Arecibo Observ	2.85	249f	eP	15 41 38.6	-0.4
ICM	Isia Caju Muer	2.86	238f	eP	15 41 39.6	+0.4
ICM	Isia Caju Muer	2.86	238f	eP	15 41 39.6	+0.4
ICM	Isia Caju Muer	2.86	238f	eP	15 41 39.6	+0.4
LRS	Lares	2.96	248f	eP	15 41 40.3	-0.1
LRS	Lares	2.96	248f	eP	15 41 40.3	-0.1
LSP	Las Mesas	3.21	248f	eP	15 41 43.5	-0.2
LSP	Las Mesas	3.21	248f	eP	15 41 43.5	-0.2
LSP	Las Mesas	3.21	248f	eP	15 41 43.5	-0.2
CRPR	Cabo Rojo, PR	3.30	245f	eP	15 41 45.5	+0.5
CRPR	Cabo Rojo, PR	3.30	245f	eP	15 41 45.5	+0.5
CRPR	Cabo Rojo, PR	3.30	245f	eP	15 41 45.5	+0.5

ISCJB 17 15:50:12.6,1.2,37.6N,0.1,95.9E,0.1,h10km, Error  
ellipse: s-maj=16.8km s-min=9.4km az=147.8

IDC 17 15:50:15.2,2.2,37.47N,96.10E,h0km,mb2.8/1,  
mb1.3/4,mb1mx3.2/17,mbtmp3.3/4,ML3.5/3, Error  
ellipse: s-maj=55.1km s-min=30.6km az=72.0

BUJ 17 15:50:18.5,37.53N,96.02E,h20km,ML3.1/7  
ISC 17 15:50:15.7,1.1,37.5N,0.1,95.88E,0.10,h10km,n5,  
e1548/8, Qinghai

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
GTA	Gaotai	3.63	57	Op	15 51 14.3	+2.3
GTA	Gaotai	3.63	57	Pg	15 51 23.3	-2.0
GTA	Gaotai	3.63	57	Sg	15 52 01.3	+6.4
GTA	Gaotai	3.63	57	Sg	15 52 12.5	+0.1
comp=N,17nm,0.7						





Table with columns for station call signs (e.g., YAK, DYDN, TUTA), frequencies, and other technical details. Includes sub-sections for various stations like YAK, DYDN, TUTA, etc.

Table with columns for station call signs (e.g., SUR, ESKT, AKAS), frequencies, and other technical details. Includes sub-sections for various stations like SUR, ESKT, AKAS, etc.

Table with columns for station call signs (e.g., VSU, TRPA, BZS), frequencies, and other technical details. Includes sub-sections for various stations like VSU, TRPA, BZS, etc.

Table with columns: ILAR, Eielson Array, 103.83, 25, Pdiff, Pdiff, 120 56.0 -0.7, etc. Lists various astronomical observations with their parameters.

Table with columns: WCI, SDMM, Soldier's Deli, 146.85, 0, ePKPbc, PKPbc, 16 26 36.5, etc. Lists astronomical observations with their parameters.

Table with columns: Code, Station Name, Delta A, Az, Phase ID, Time, Res, etc. Lists astronomical observations with their parameters.

CSEM 17 17:39:24.6 0.3 37.52N:35.72E, h2km, ML1.6, Error ellipse: s-maj=6.7km s-min=1.3km az=172.0, etc.

ISCJ 17 18:09:33.4 2.6 2.46S:100.58E, h0km, mb3.6/5, Error ellipse: s-maj=11.3km s-min=3.8km az=58.0, etc.

CMAR Chiang Mai Arr 20.80 35Z Op P 18 14 16.5 -0.7, etc. Lists observations for Chiang Mai Arr.

AFSR Af ar-Bala (A) 0.13 350 eOp P 18 10 55.2 -0.9, etc. Lists observations for Af ar-Bala (A).

17d 19h

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

NEIC 17 18:17:12.2, 16.04N:97.72W, h23km, MD3.7(MEX), After

MEX 17 18:17:12.2, 16.06N:97.72W, h20km, 29km, MD3.7, Oaxaca

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

IDC 17 18:20:14.9, 8.3, 20.57S:178.18W, h508km, 91km, mb2.8/4, mb1.3/1.5, mb1mx3.7/1.7, mbtmp2.9/5, Error ellipse: s-maj=45.4km s-min=26.2km az=47.0

ISCJJB 17 18:20:18.6, 1.6, 20.7S:0.2:178.3W:0.2, h55km, 17km, mb3.3/4, Error ellipse: s-maj=32.1km s-min=26.0km az=168.7

NEIC 17 18:20:18.8, 1.5, 20.68S:178.21W, h558km, 15km, Error ellipse: s-maj=27.6km s-min=22.9km az=93.0

ISC 17 18:20:19.2, 1.7, 20.9S:0.2:178.3W:0.2, h552km, 17km, n15, c063/13, mb3.3/4, Fiji Islands region

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

IDC 17 18:33:02.7, 1.6, 2.62S:139.09E, h0km, mb3.6/5, mb1.3/8.6, mb1mx3.6/1.5, mbtmp3.6/6, ML3.7/1, Error ellipse: s-maj=61.4km s-min=22.4km az=98.0

ISCJJB 17 18:33:07.0, 0.9, 2.65S:0.09:138.6E:0.2, h33km, mb3.5/4, Error ellipse: s-maj=29.9km s-min=13.0km az=178.4

NEIC 17 18:33:09.1, 0.2, 2.64S:138.50E, h35km, mb3.5/1, Error ellipse: s-maj=37.9km s-min=13.8km az=86.0

ISC 17 18:33:09.1, 0.9, 2.64S:0.09:138.5E:0.2, h35km, n15, c1505/15, mb3.5/4, Irian Jaya

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

ISK 17 18:33:21.2, 39.99N:39.92E, h30km, MD2.8

ISCJJB 17 18:33:22.0, 0.6, 39.95N:0.07:39.91E:0.06, h29km, 10km, Error ellipse: s-maj=12.6km s-min=6.7km az=21.7

CSEM 17 18:33:22.0, 0.3, 39.92N:39.89E, h20km, MD2.8, Error ellipse: s-maj=6.7km s-min=6.7km az=146.0

DDA 17 18:33:23.4, 40.15N:39.91E, h7km, 1km, MD2.7

ISC 17 18:33:22.6, 0.7, 39.95N:0.07:39.90E:0.06, h26km, 12km, n18, c080/28, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Kopt, Ayd-ntepe-Bay, Kelkit, etc.

2008 DEC

Table with columns: MYA, MALT, MALT, MALY, RSDY, RSDY. Includes times and residuals.

IDC 17 18:41:57.9, 1.1, 34.71N:73.02E, h0km, mb3.7/6, mb1.3/8.10, mb1mx3.6/2.8, mbtmp3.6/10, ML2.9/3, Error ellipse: s-maj=29.8km s-min=20.4km az=62.0

ISCJJB 17 18:41:58.7, 0.3, 34.84N:0.03:73.39E:0.05, h10km, mb3.7/6, Error ellipse: s-maj=5.8km s-min=4.0km az=158.5

NDI 17 18:42:02.5, 1.5, 34.45N:72.58E, h33km, ML4.1, mb4.2(NEIC)

NEIC 17 18:42:03.4, 0.8, 34.67N:73.24E, h39km, 9km, mb4.2/1, Error ellipse: s-maj=12.4km s-min=6.0km az=54.0

NMC 17 18:42:08.0, 1.4, 35.40E:72.40E, h0km, mb3.4, mpv3.4, Error ellipse: s-maj=17.0km s-min=11.3km az=91.0

ISC 17 18:42:00.4, 0.3, 34.79N:0.03:73.25E:0.05, h10km, n56, c145/66, mb3.7/6, 2C-4D, Pakistan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Chirah Chowk, Cherat, Thame Wali, etc.

TKM2 Tokmak 2 8.37 12 eP Pn 18 44 04.6 +3.5

KK31 Karatay Arr 8.57 346 eP Pn 18 45 39.0 -2.2

KKAR Karatay Arr 8.57 346 eP Pn 18 44 05.6 +1.1

DANN Dangsing 11.02 123 eP Pn 18 44 38.7 +0.7

DANN Dangsing 11.02 123 eP Pn 18 44 38.7 +0.7

KOLN Koldanda 11.82 125 eP Pn 18 44 42.2 +0.6

KOLN Koldanda 11.82 125 eP Pn 18 44 42.2 +0.6

GKN Gorkha 11.84 122 eP Pn 18 44 48.7 -0.6

GKN Gorkha 11.84 122 eP Pn 18 44 48.7 -0.6

KKN Kakani 12.42 121 eP Pn 18 44 56.2 -1.1

PKI Pulchoki 12.65 121 eP Pn 18 44 59.9 -0.4

PKI Pulchoki 12.65 121 eP Pn 18 44 59.9 -0.4

GUN Gumba 12.78 119 eP Pn 18 45 01.2 -0.9

JIRN Jiri 13.15 119 eP Pn 18 45 06.1 -1.1

JIRN Jiri 13.15 119 eP Pn 18 45 06.1 -1.1

MKAR Makanchi Arr 13.80 27 Pn 18 45 17.2 +1.2

MKAR Makanchi Arr 13.80 27 Pn 18 45 17.2 +1.2

KURK Kurchatov 16.39 12 Pn 18 45 47.3 -3.1

ABK1 Akbulak array 17.49 320 P Pn 18 46 03.1 -0.9

ABKAR Akbulak array 17.49 320 P Pn 18 46 05.6 +1.6

BVAR Borovoye Arr 18.35 355 P Pn 18 46 15.5 +0.7

BVAR Borovoye Arr 18.35 355 P Pn 18 46 15.5 +0.7

AKTO Aktyubinsk 19.18 329 P Pn 18 46 23.2 -1.7

AKTO Aktyubinsk 19.18 329 P Pn 18 46 23.2 -1.7

ZAAO Zalesovo Arr 20.82 19 eP Pn 18 46 42.0 +0.2

ZALV Zalesovo Arr 20.82 19 eP Pn 18 46 41.4 -0.4

CMAR Chiang Mai Arr 28.03 119 P P 18 47 52.4 +0.7

ARCES ARCESS Arr B 43.42 338 P P 18 50 02.0 -0.9

TORD Torodi Arr 65.54 271 P P 18 52 54.9 -2.3

TORD Torodi Arr 65.54 271 P P 18 52 54.9 -2.3

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ellipse: s-maj=18.4km s-min=9.0km az=74.1, NEIC 17 19:02:15.6, 1.1, 38.46N:21.71E, h43km, 11km, mb3.7/1, Error ellipse: s-maj=14.5km s-min=9.6km az=176.0

SKO 17 19:02:19.5, 38.95N:22.45E, h0km

ISC 17 19:02:11.0, 0.3, 38.34N:0.02:21.82E:0.02, h7km, 2km, n184, c1808/252, mb3.6/10, 10C, Greece

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Kalithea, Riolos of Patr, Riolos of Patr, etc.

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

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

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

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

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









17d 20h

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like URZ Urewhera, EDJR Edgecumbe, and many others.

2008 DEC

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like DSZ Denniston, CRZL Canterbury, and many others.

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Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like NWAO Narrogin, KLBR Kellerberrin, and many others.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Kunming, Atahualpa, Chengdu, Lanzhou, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Muntele Rosu, KSP, BRG, GERES, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BVAR, AKTO, ARCES, YKA, etc.





GIB	Gibilmanna	1.68 222	P	Pn	21 58 25.0	-0.7	3um,0.8s	LAV9	Lanuvio	3.22 320	P	Pn	21 58 41.2	+0.7	TTG	Podgorica	4.30 41	P	Pn	21 58 52.5	-0.2
GIB	Gibilmanna	1.68 222	P	Pn	21 58 25.0	-0.7		RDP	Rocca di Papa	3.27 321	P	Pn	21 58 42.6	+1.6	TTG	Podgorica	4.30 41	S	Pn	21 59 43.0	-3.5
GIB	Gibilmanna	1.68 222	Pg	Pn	21 58 25.0	-0.7		RDP	Rocca di Papa	3.27 321	Pg	Pn	21 58 42.6	+1.6	TTG	Podgorica	4.30 41	S	Pn	21 59 43.0	-3.5
GIB	Gibilmanna	1.68 222	Pg	Pn	21 58 25.0	-0.7		RDP	Rocca di Papa	3.27 321	Pg	Pn	21 58 42.6	+1.6	TTG	Podgorica	4.30 41	S	Pn	21 59 43.0	-3.5
MATE	Matera	1.70 34	Pg	Pn	21 58 24.7	-1.1	3um,0.8s	RDP	Rocca di Papa	3.27 321	Pg	Pn	21 58 42.6	+1.6	TTG	Podgorica	4.30 41	S	Pn	21 59 43.0	-3.5
MATE	Matera	1.70 34	P	Pn	21 58 24.7	-1.1		RDP	Rocca di Papa	3.27 321	P	Pn	21 58 42.6	+1.6	TTG	Podgorica	4.30 41	S	Pn	21 59 43.0	-3.5
OVO	Vesuviano	1.78 333	Pg	Pn	21 58 27.8	+1.4	3um,0.8s	CERT	Cerreto	3.30 326	P	Pn	21 58 42.2	+0.9	KFL	Anninata	4.32 103	P	Pn	21 58 52.8	-0.3
OVO	Vesuviano	1.78 333	P	Pn	21 58 27.8	+1.4		CERT	Cerreto	3.30 326	Pg	Pn	21 58 42.7	+1.4	KFL	Anninata	4.32 103	P	Pn	21 58 52.8	-0.3
SG1	Sgolgore (BA)	1.85 30	P	Pn	21 58 27.2	+0.2	4um,1.0s	CERT	Cerreto	3.30 326	P	Pn	21 58 42.7	+1.4	BRY	Bratogost	4.33 31	P	Pn	21 58 53.0	-0.2
SG1	Sgolgore (BA)	1.85 30	P	Pn	21 58 27.2	+0.2		CERT	Cerreto	3.30 326	P	Pn	21 58 42.7	+1.4	BRY	Bratogost	4.33 31	P	Pn	21 58 53.0	-0.2
USI	Ustica	1.86 254	P	Pn	21 58 26.9	-0.3	4um,1.0s	FAGN	Fagnano	3.34 335	Pg	Pn	21 58 43.5	+1.7	BRY	Bratogost	4.33 31	P	Pn	21 58 53.0	-0.2
USI	Ustica	1.86 254	Pg	Pn	21 58 26.9	-0.3		FAGN	Fagnano	3.34 335	Pg	Pn	21 58 43.5	+1.7	BRY	Bratogost	4.33 31	P	Pn	21 58 53.0	-0.2
USI	Ustica	1.86 254	P	Pn	21 58 26.9	-0.3	2um,0.6s	FAGN	Fagnano	3.34 335	P	Pn	21 58 43.5	+1.7	BRY	Bratogost	4.33 31	P	Pn	21 58 53.0	-0.2
AMUR	Altamura	1.88 27	Pg	Pn	21 58 26.7	-0.7	2um,0.6s	VCEL	Villa Celiera	3.38 339	Pg	Pn	21 58 44.0	+1.8	BRY	Bratogost	4.33 31	P	Pn	21 58 53.0	-0.2
AMUR	Altamura	1.88 27	Pg	Pn	21 58 26.7	-0.7		VCEL	Villa Celiera	3.38 339	Pg	Pn	21 58 44.0	+1.8	BRY	Bratogost	4.33 31	P	Pn	21 58 53.0	-0.2
MRVN	Minervino Murg	1.90 17	Pg	Pn	21 58 26.8	-0.7	2um,1.4s	VCEL	Villa Celiera	3.38 339	P	Pn	21 58 44.0	+1.8	LATE	Laterza	4.36 322	Pg	Pn	21 58 55.2	+1.7
MRVN	Minervino Murg	1.90 17	P	Pn	21 58 26.8	-0.7		VCEL	Villa Celiera	3.38 339	P	Pn	21 58 44.0	+1.8	LATE	Laterza	4.36 322	Pg	Pn	21 58 55.2	+1.7
MRVN	Minervino Murg	1.90 17	P	Pn	21 58 26.8	-0.7	2um,1.4s	VCEL	Villa Celiera	3.38 339	P	Pn	21 58 44.0	+1.8	LATE	Laterza	4.36 322	Pg	Pn	21 58 55.2	+1.7
MRVB	Monte Rocchetti	1.92 349	P	Pn	21 58 28.8	+1.2	3um,0.8s	KEK	Kerkira	3.39 81	P	Pn	21 58 41.9	-0.5	LATE	Laterza	4.36 322	P	Pn	21 58 55.1	+1.6
MRVB	Monte Rocchetti	1.92 349	P	Pn	21 58 28.8	+1.2		KEK	Kerkira	3.39 81	P	Pn	21 58 41.9	-0.5	LATE	Laterza	4.36 322	P	Pn	21 58 55.1	+1.6
RESU	Resuttano	1.94 215	P	Pn	21 58 28.9	+1.1	3um,0.8s	KEK	Kerkira	3.39 81	Pg	Pn	21 58 42.0	-0.4	ASS	Assisi	4.37 332	P	Pn	21 58 54.1	+0.6
RESU	Resuttano	1.94 215	P	Pn	21 58 28.9	+1.1		KEK	Kerkira	3.39 81	Pg	Pn	21 58 42.0	-0.4	ASS	Assisi	4.37 332	P	Pn	21 58 54.1	+0.6
RESU	Resuttano	1.94 215	P	Pn	21 58 28.9	+1.1	17um,0.9s	KEK	Kerkira	3.39 81	P	Pn	21 58 42.0	-0.4	ASS	Assisi	4.37 332	P	Pn	21 58 54.1	+0.6
CDT	Castel del Mon	1.97 18	P	Pn	21 58 27.4	-0.4		KEK	Kerkira	3.39 81	P	Pn	21 58 42.0	-0.4	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
CDT	Castel del Mon	1.97 18	P	Pn	21 58 27.4	-0.4		KEK	Kerkira	3.39 81	P	Pn	21 58 42.0	-0.4	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
MPG	Monte Pellegrini	1.94 237	P	Pn	21 58 30.0	+1.9		KEK	Kerkira	3.39 81	P	Pn	21 58 42.0	-0.4	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
MPG	Monte Pellegrini	1.94 237	P	Pn	21 58 30.0	+1.9		KEK	Kerkira	3.39 81	P	Pn	21 58 42.0	-0.4	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
HAGA	Augusta	1.97 187	Pg	S	21 58 26.6	-1.6		ROMS	Roma	3.42 320	P	Pn	21 58 44.6	+1.9	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
HAGA	Augusta	1.97 187	Pg	S	21 58 26.6	-1.6		ROMS	Roma	3.42 320	P	Pn	21 58 44.6	+1.9	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
HAGA	Augusta	1.97 187	P	S	21 58 26.6	-1.6	4um,1.0s	WDD	Wield Dalam	3.45 193	P	Pn	21 58 43.0	-0.2	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
HAGA	Augusta	1.97 187	P	S	21 58 26.6	-1.6		WDD	Wield Dalam	3.45 193	P	Pn	21 58 43.0	-0.2	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
NOCI	Noci	1.98 38	Pg	Pn	21 58 27.0	-1.1	13um,0.8s	WDD	Wield Dalam	3.45 193	P	Pn	21 58 43.0	-0.2	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
NOCI	Noci	1.98 38	Pg	Pn	21 58 27.0	-1.1		WDD	Wield Dalam	3.45 193	P	Pn	21 58 43.0	-0.2	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
NOCI	Noci	1.98 38	P	Pn	21 58 27.0	-1.1	28um,0.9s	WDD	Wield Dalam	3.45 193	P	Pn	21 58 43.0	-0.2	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
NOCI	Noci	1.98 38	P	Pn	21 58 27.0	-1.1		WDD	Wield Dalam	3.45 193	P	Pn	21 58 43.0	-0.2	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
HCLR	Carlentini	1.98 190	Pg	S	21 58 27.3	-1.0	28um,0.9s	MTCE	Montecelio	3.46 324	P	Pn	21 58 44.3	+1.1	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
HCLR	Carlentini	1.98 190	Pg	S	21 58 27.3	-1.0		MTCE	Montecelio	3.46 324	P	Pn	21 58 44.3	+1.1	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
HCLR	Carlentini	1.98 190	Pg	S	21 58 27.3	-1.0	28um,0.9s	MTCE	Montecelio	3.46 324	P	Pn	21 58 44.3	+1.1	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
HCLR	Carlentini	1.98 190	Pg	S	21 58 27.3	-1.0		MTCE	Montecelio	3.46 324	P	Pn	21 58 44.3	+1.1	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
AGST	Augusta-Monte	1.99 185	P	Pn	21 58 26.7	-1.7	45um,1.4s	AQU	L'Aquila	3.48 334	P	Pn	21 58 45.3	+1.9	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
AGST	Augusta-Monte	1.99 185	P	Pn	21 58 26.7	-1.7		AQU	L'Aquila	3.48 334	P	Pn	21 58 45.3	+1.9	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
AGST	Augusta-Monte	1.99 185	P	Pn	21 58 26.7	-1.7	14um,1.2s	AQU	L'Aquila	3.48 334	P	Pn	21 58 45.3	+1.9	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
AGST	Augusta-Monte	1.99 185	P	Pn	21 58 26.7	-1.7		AQU	L'Aquila	3.48 334	P	Pn	21 58 45.3	+1.9	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
ALJA	Alia	2.00 223	P	Pn	21 58 29.2	+0.8	45um,1.4s	AQU	L'Aquila	3.48 334	P	Pn	21 58 45.3	+1.9	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
ALJA	Alia	2.00 223	P	Pn	21 58 29.2	+0.8		AQU	L'Aquila	3.48 334	P	Pn	21 58 45.3	+1.9	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
ALJA	Alia	2.00 223	Pg	Pn	21 58 29.1	+0.7	68um,2.2s	AQU	L'Aquila	3.48 334	P	Pn	21 58 45.3	+1.9	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
ALJA	Alia	2.00 223	Pg	Pn	21 58 29.1	+0.7		AQU	L'Aquila	3.48 334	P	Pn	21 58 45.3	+1.9	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
ALIA	Alia	2.00 223	P	Pn	21 58 29.2	+0.8	32um,1.1s	FIAM	Fiamignano	3.51 330	P	Pn	21 58 45.8	+2.2	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
ALIA	Alia	2.00 223	P	Pn	21 58 29.2	+0.8		FIAM	Fiamignano	3.51 330	P	Pn	21 58 45.8	+2.2	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
ALIA	Alia	2.00 223	Pg	Pn	21 58 29.1	+0.7	32um,1.1s	FIAM	Fiamignano	3.51 330	Pg	Pn	21 58 45.8	+2.2	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
ALIA	Alia	2.00 223	Pg	Pn	21 58 29.1	+0.7		FIAM	Fiamignano	3.51 330	Pg	Pn	21 58 45.8	+2.2	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
PSB1	Pescosannita	2.04 346	P	Pn	21 58 25.7	-2.9	32um,1.1s	FIAM	Fiamignano	3.51 330	P	Pn	21 58 45.8	+2.2	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
PSB1	Pescosannita	2.04 346	P	Pn	21 58 25.7	-2.9		FIAM	Fiamignano	3.51 330	P	Pn	21 58 45.8	+2.2	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
PSB1	Pescosannita	2.04 346	Pg	Pn	21 59 04.2	+1.1	32um,1.1s	FIAM	Fiamignano	3.51 330	Pg	Pn	21 58 45.8	+2.2	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
PSB1	Pescosannita	2.04 346	Pg	Pn	21 59 04.2	+1.1		FIAM	Fiamignano	3.51 330	Pg	Pn	21 58 45.8	+2.2	PUK	Puka	4.38 49	P	Pn	21 58 53.1	-0.6
PSB1	Pescosannita	2.04 346	P	Pn	21 59 29.7	+1.0	32um,1.1s	SRN	Sarande	3.57 78	P	Pn	21 59 27.4	-4.0	PUK	Puka	4.38 49	P	Pn	21 58 56.8	+1.7
PSB1	Pescosannita	2.04 346	P	Pn	21 59 29.7	+1.0		SRN	Sarande	3.57 78	P	Pn	21 59 27.4	-4.0	PUK	Puka	4.38 49	P	Pn	21 58 56.8	+1.7
PSB1	Pescosannita	2.04 346	P	Pn	21 59 04.2	+1.1	32um,1.1s	SRN	Sarande	3.57 78	P	Pn	21 59 27.4	-4.0	PUK	Puka	4.38 49	P	Pn	21 58 56.8	+1.7
PSB1	Pescosannita	2.04 346	P	Pn	21 59 04.2	+1.1		SRN	Sarande	3.57 78	P	Pn	21 59 27.4	-4.0	PUK	Puka	4.38 49	P	Pn	21 58 56.8	+1.7
FG5	Orsara di Pugl	2.04 356	P	Pn	21 58 21.8	-6.9	32um,1.1s	SRN	Sarande	3.57 78	P	Pn	21 59 27.4	-4.0	PUK	Puka	4.38 49	P	Pn	21 58 56.8	+1.7
FG5	Orsara di Pugl	2.04 356	P	Pn	21 58 21.8	-6.9		SRN	Sarande	3.57 78	P	Pn	21 59 27.4	-4.0	PUK	Puka	4.38 49	P	Pn	21 58 56.8	+1.7
FG5	Orsara di Pugl	2.04 356	Pg	Pn	21 58 21.8	-6.9	32um,1.1s	SRN	Sarande	3.57 78	Pg	Pn	21 59 27.4	-4.0	PUK	Puka	4.38 49	P	Pn	21 58 56.8	+1.7
FG5	Orsara di Pugl	2.04 356	Pg	Pn																	

Table with columns for call sign, name, frequency, power, mode, and other technical details. Includes call signs like CRE, LAKA, MAKR, RSM, RSM, RSM, etc., and names like Caprese Michel, Lakka, Makrakomi, etc.











Table with columns for station call letters, frequency, power, and other technical details. Includes stations like TRO Tromso, LVZ Lovozero, IANJ Anjilo, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like DBIC Babate, BBTs Babate, LIC Lamto, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like TCM2, KURK Kurchatov, SFJD Kangerlussuaq, etc.



Table with columns: GOGA, MANDN, CN2, SWET, BPAW, SCIA, MCK, MCK, MCK, MENT, SIUC, SLM, SLM, WVT, WVT, PAX, PAX, TRF, ECSD, A23A, A23A, HABR, HABR, HABR, HABR, HABR, HABR, HABR, DGMT, MDJ, MDJ, MDJ, MDJ, PPLA, PARMO, CCM, CCM, PLAL, BRSD, B23A, A22A, HALT, LRAL, C24A, SML, SML, GNAR, A21A, DLBC, C23A, B22A, SK4G, D24A, PMR, PMR, DIV, BMRM, C22A, B21A, MET, A20A, OXF, OXF, D23A, E24A, PNL, RC01, B20A, C21A, D22A, BGNE, E23A, F24A, B19A, A18A, LAO, LAO, VLA, VLA, VLA

Table with columns: VLA, C20A, E22A, SLKM, SLKM, D21A, G24A, A17A, B18A, RSO, RSO, F23A, SEU, SEU, C19A, E21A, D20A, EGMT, EGMT, A16A, H24A, F22A, G23A, UALR, B17A, RSSD, RSSD, D19A, K27A, E20A, F21A, A15A, B16A, G22A, H23A, D18A, C17A, E19A, VBMS, A14A, K26A, L27A, WALA, B15A, G21A, F20A, SDV, SDV, C16A, H22A, QIZ, QIZ, QIZ, QIZ, D17A, I23A, MIAR, MIAR, J24A, E18A, KSAR, KSAR, KSRS, KSRS, B14A, A13A, K25A, F19A, L26A, M27A, H21A, C15A, G20A, D16A, J23A, OGNE, OGNE, TULI, F18A, I22A, L25A, K24A, E17A, B13A, A12A, YSS, YSS, YSS

Table with columns: YSS, M26A, CBKS, CBKS, CBKS, C14A, H20A, N27A, HRY, D15A, PETK, PETK, PETK, E16A, J22A, G18A, RLMT, F17A, K23A, I21A, JTMT, H19A, L24A, M25A, N26A, C13A, PET, PET, PET, O27A, I20A, KDAK, KDAK, KDAK, E15A, J21A, G17A, H18A, F16A, L23A, K22A, M24A, C12B, BOZ, BOZ, BOZ, MSO, MSO, D13A, I19A, N25A, O26A, PSI, J20A, E14A, LRM, F15A, K21A, LKWY, LKWY, LKWY, YNR, L22A, OHAK, PHWY, G16A, M23A, N24A, E13A, YMR, H16A, YFT, O25A, KSC0, F14A, J19A, I18A, G15A, K20A, L21A, I17A, M22A

K19A	baz=84, SNR=30	83.99 322	↑P	P	22 09 45.8 -0.6
N23A	baz=84, SNR=80	84.03 319	↑P	P	22 09 47.6 +1.1
RWWY	baz=84, SNR=56	84.06 321	eP	P	22 09 46.2 -0.6
C09A	comp=Z,160nm,1.3s,mb5.7	84.07 331	↑P	P	22 09 46.9 +0.2
NATX	baz=84, SNR=48	84.12 306	eP	P	22 09 46.9 -0.4
F13A	comp=Z,21nm,0.7s,mb5.1	84.13 327	↑P	P	22 09 47.2 +0.2
P25A	baz=84, SNR=78	84.13 317	↑P	P	22 09 48.3 +1.1
E12A	baz=84, SNR=71	84.14 328	↑P	P	22 09 46.9 -0.1
O24A	Longmont	84.15 318	↑P	P	22 09 48.2 +0.9
MOOW	baz=84, SNR=31	84.16 324	eP	P	22 09 48.0 +0.8
G14A	comp=Z,52nm,1.1s,mb5.3	84.19 326	↑P	P	22 09 47.5 +0.2
M21A	baz=84	84.20 321	↑P	P	22 09 47.7 +0.3
Q26A	baz=84, SNR=37	84.22 317	↑P	P	22 09 48.3 +0.7
J18A	baz=84	84.25 323	↑P	P	22 09 48.0 +0.4
R27A	baz=84, SNR=19	84.30 316	↑P	P	22 09 48.6 +0.6
ASAJ	Eads	84.30 35	eP	P	22 09 47.2 -0.7
H15A	Asahikawa	84.33 326	↑P	P	22 09 48.8 +0.8
N22A	comp=Z,36nm,1.6s,mb5.0	84.35 320	↑P	P	22 09 48.9 +0.7
L20A	Wattenberg Ran	84.37 322	↑P	P	22 09 48.8 +0.5
BW06	Wamsutter	84.37 323	↑P	P	22 09 48.1 -0.2
PDAR	baz=84, SNR=61	84.37 323	P	P	22 09 47.9 -0.4
PDAR	baz=84, SNR=157	84.40 324	↑P	P	22 09 49.8 +1.4
I16A	comp=Z,32nm,0.9s,mb5.2,baz=68,slow=3.4,SNR=157	84.45 324	↑P	P	22 09 49.0 +0.4
J17A	Newdale	84.45 333	↑P	P	22 09 48.2 -0.3
A05A	Maple Falls	84.48 324	eP	P	22 09 49.8 +0.9
DC1D	Drake Creek	84.51 324	eP	P	22 09 49.7 +0.8
REDW	comp=Z,79nm,1.4s,mb5.3	84.52 318	↑P	P	22 09 49.3 +0.3
P24A	Kohler Place,	84.52 319	↑P	P	22 09 49.8 +0.8
O23A	Lake Granby, G	84.54 328	↑P	P	22 09 48.9 -0.2
F12A	Elk City	84.56 311	eP	P	22 09 49.5 +0.1
WMOK	Wichita Mouna	84.56 311	eP	P	22 09 49.5 +0.1
WMOK	Wichita Mouna	84.56 311	eP	P	22 09 49.5 +0.1
OD2	comp=Z,103nm,1.1s,mb5.6	84.57 331	eP	P	22 09 48.9 -0.3
Q25A	Odessa Site #2	84.61 317	↑P	P	22 09 49.9 +0.3
R26A	Bedland, Caltha	84.64 316	↑P	P	22 09 50.3 +0.6
G13A	Arlington	84.64 327	↑P	P	22 09 49.6 0.0
H14A	Cobalt	84.65 326	↑P	P	22 09 50.4 +0.7
ISCO	Leadore	84.67 318	↑P	P	22 09 50.5 +0.7
ISCO	Idaho Springs	84.67 318	eP	P	22 09 50.2 +0.4
ISCO	Idaho Springs	84.67 318	eP	P	22 09 50.3 +0.5
ISCO	Idaho Springs	84.67 318	eP	P	22 09 50.3 +0.5
M20A	comp=Z,117nm,1.2s,mb5.6	84.69 321	↑P	P	22 09 50.5 +0.6
K18A	Sweetwater, Wa	84.70 323	↑P	P	22 09 50.2 +0.3
I15A	Toltan Ranch,	84.75 325	↑P	P	22 09 51.3 +1.2
L19A	Montevieu	84.79 322	↑P	P	22 09 50.3 0.0
O22A	Farson	84.79 322	↑P	P	22 09 51.1 +0.3
N21A	Kremling	84.82 320	↑P	P	22 09 51.5 +0.5
J16A	Black Mountain	84.93 324	↑P	P	22 09 51.8 +0.8
ETW	Bone	85.00 332	eP	P	22 09 51.4 +0.1
K17A	Entiat	85.02 323	↑P	P	22 09 51.5 0.0
Q24A	comp=Z,58nm,1.1s,mb5.3	85.05 318	↑P	P	22 09 52.1 +0.4
G12A	Gardner Place,	85.07 327	↑P	P	22 09 51.2 -0.5
H13A	Soda	85.08 327	↑P	P	22 09 51.9 +0.2
JCW	Challis	85.08 333	eP	P	22 09 51.9 +0.2
E09A	Jim Creek	85.08 333	eP	P	22 09 51.4 -0.3
AH1D	Wood Farm, Sta	85.08 330	↑P	P	22 09 53.3 +1.5
P23A	AHID	85.09 324	eP	P	22 09 53.0 +1.0
M19A	Jefferson	85.11 318	↑P	P	22 09 52.3 +0.1
F10A	Rock Springs	85.15 322	↑P	P	22 09 51.7 -0.4
R25A	Beach Ranch, E	85.16 329	↑P	P	22 09 52.9 +0.5
J15A	Fountain Ranch	85.20 317	↑P	P	22 09 53.2 +0.8
PGC	Blackfoot	85.22 334	eP	P	22 09 52.4 0.0
N20A	Sidney	85.23 321	↑P	P	22 09 52.8 +0.2
I14A	Spence Gulch,	85.23 326	↑P	P	22 09 53.2 +0.7
L18A	Blackey	85.25 322	↑P	P	22 09 52.6 0.0
K16A	Fontenelle, Gr	85.26 324	↑P	P	22 09 52.9 +0.2
O21A	Soda Springs	85.30 320	↑P	P	22 09 53.1 +0.1
H12A	Pagoda	85.34 327	↑P	P	22 09 52.7 -0.3
P22A	Diamond D Ranc	85.41 319	↑P	P	22 09 53.6 +0.1
Q23A	Eagle	85.45 318	↑P	P	22 09 53.5 -0.2
L17A	Hartsel	85.50 323	↑P	P	22 09 53.4 -0.5
I13A	Wildhorse Cree	85.53 326	↑P	P	22 09 54.4 +0.4
R24A	baz=85, SNR=13	85.57 317	↑P	P	22 09 54.4 +0.1
N19A	Sanders Place,	85.63 321	↑P	P	22 09 54.3 -0.3
S25A	John Jarvie Ra	85.64 316	↑P	P	22 09 55.0 +0.4
M18A	Robets Cordova	85.65 322	↑P	P	22 09 54.2 -0.4
J14A	Lyman	85.75 325	↑P	P	22 09 55.6 +0.6
O20A	Carey	85.74 320	↑P	P	22 09 55.0 -0.2
YUK	White River Ci	85.79 33c	↑P	P	22 10 10.7
YUK	Yuzh-Kuril'sk	22 19 52.7	-3.0	P	
N18A	comp=Z,36nm,3.5s	85.81 322	↑P	P	22 09 55.0 -0.4
K15A	Larsen Ranch,	85.81 324	↑P	P	22 09 55.6 +0.3
P21A	Arbon	85.81 319	↑P	P	22 09 55.6 +0.1
L16A	Newcastle	85.83 323	↑P	P	22 09 55.3 -0.2

M17A	Scully's Gap (B	85.89 323	↑P	P	22 09 55.1 -0.7
HL1D	baz=86	85.95 326	↑P	P	22 09 56.1 +0.1
J13A	baz=86	85.97 326	↑P	P	22 09 56.6 +0.4
R23A	Cov Ranch, Pi	85.98 318	↑P	P	22 09 56.6 +0.3
T25A	Moffat	86.01 316	↑P	P	22 09 56.8 +0.4
Q22A	Trinidad	86.04 319	↑P	P	22 09 56.9 +0.3
O19A	Crested Butte,	86.06 321	↑P	P	22 09 56.5 -0.2
S24A	Miners Draw (B	86.06 321	↑P	P	22 09 56.8 +0.1
I12A	Houchin Ranch,	86.07 327	↑P	P	22 09 56.4 -0.2
HKT	Atlanta	86.09 306	eP	P	22 09 56.0 -1.1
HKT	Hockley	86.09 306	eP	P	22 09 56.0 -1.0
AMTX	comp=Z,192nm,1.6s,mb5.7	86.13 313	↑P	P	22 09 57.0 -0.1
AMTX	Amarillo	86.13 313	eP	P	22 09 56.8 -0.3
SDCO	comp=Z,67nm,1.3s,mb5.3	86.14 317	↑P	P	22 09 57.2 +0.1
U26A	Gre Sand Dun	86.19 315	↑P	P	22 09 57.7 +0.3
K14A	Atchley Ranch,	86.21 325	↑P	P	22 09 57.5 +0.2
LON	Jon Ranch, D	86.26 332	eP	P	22 09 56.5 -1.0
LON	Longmire	86.26 332	eP	P	22 09 56.5 -1.0
L15A	comp=Z,121nm,1.8s,mb5.4	86.28 324	↑P	P	22 09 57.6 -0.1
P20A	Malad City	86.31 320	↑P	P	22 09 57.4 -0.5
N17A	De Beque	86.39 322	↑P	P	22 09 57.7 -0.5
Q21A	Moffit Pass	86.40 319	↑P	P	22 09 58.3 0.0
T24A	Lamborn Mesa,	86.40 316	↑P	P	22 09 59.0 +0.6
S23A	Torres, Weston	86.43 317	↑P	P	22 09 58.6 +0.1
R22A	Nye Farm, Mont	86.44 318	↑P	P	22 09 59.2 +0.7
P19A	Saguache, Gunn	86.50 320	↑P	P	22 09 58.6 -0.2
O18A	Cripple Cowboy	86.52 321	↑P	P	22 09 58.4 -0.4
U25A	Reevet	86.55 316	↑P	P	22 09 59.8 +0.7
V26A	Circle Dot Ran	86.65 315	↑P	P	22 09 59.4 -0.2
MF1D	Teasdale Ra	86.67 327	↑P	P	22 09 59.6 +0.1
Q20A	Camas Ranch	86.67 320	↑P	P	22 09 59.2 -0.4
N16A	Ridgley Place,	86.72 323	↑P	P	22 09 59.6 -0.2
M15A	Rees Ranch, Co	86.73 324	↑P	P	22 09 59.5 -0.5
R21A	Larsen Ranch,	86.74 319	↑P	P	22 09 59.9 -0.1
W27A	Cimarron	86.78 314	↑P	P	22 10 00.3 0.0
ROSC	Bowe Ranch, En	86.80 274	P	P	22 10 01.0 +0.3
S22A	El Rosal	86.84 318	↑P	P	22 10 00.6 -0.1
SAML	comp=Z,15nm,0.6s,mb5.0,baz=147,slow=3.4,SNR=16	86.92 256	eP	P	22 10 00.9 +0.4
O17A	Samuel	86.92 256	eP	P	22 10 00.5 -0.7
T23A	Robinson Place	86.95 317	↑P	P	22 10 01.4 +0.4
U24A	Castal, SNR=6.2	87.01 316	↑P	P	22 10 02.0 +0.7
E03A	Moreno Valley	87.06 333	↑P	P	22 10 01.7 +0.3
G06A	Lebam	87.08 315	↑P	P	22 10 01.4 -0.3
X27A	Rancho No Teng	87.11 331	↑P	P	22 10 02.0 +0.3
P18A	Carlson Farm,	87.11 314	↑P	P	22 10 01.8 0.0
Q19A	F and S Farms,	87.12 321	↑P	P	22 10 01.5 -0.5
W26A	Preston Nutter	87.16 320	↑P	P	22 10 02.3 +0.2
O16A	Hogan Spring (	87.28 322	↑P	P	22 10 02.4 -0.2
R20A	Owens Ranch, T	87.30 319	↑P	P	22 10 02.6 -0.1
S21A	Redvale	87.30 319	↑P	P	22 10 03.5 +0.3
MSTX	Coal Bank Pass	87.42 313	↑P	P	22 10 03.3 0.0
T22A	Muleshoe	87.43 317	↑P	P	22 10 03.9 +0.6
W25A	Edith	87.45 315	↑P	P	22 10 03.8 +0.4
Q18A	X Bar L Ranch,	87.48 321	↑P	P	22 10 03.1 -0.4
P17A	Rafter H Ranch	87.52 321	↑P	P	22 10 02.9 -0.6
V24A	Butcher Ranch,	87.52 316	↑P	P	22 10 04.4 +0.6
S20A	Rampart Ranch,	87.56 319	↑P	P	22 10 03.9 -0.1
U23A	Disappointment	87.56 317	↑P	P	22 10 04.5 +0.5
X26A	El Rito	87.58 314	↑P	P	22 10 04.2 +0.1
I07A	CR and CF Fran	87.64 329	↑P	P	22 10 04.5 +0.4
SRU	izee	87.66 321	eP	P	22 10 03.8 -0.6
SRU	San Rafael	87.66 321	eP	P	22 10 03.8 -0.6
R19A	comp=Z,92nm,1.0s,mb5.6	87.67 320	↑P	P	22 10 04.6 +0.2
O15A	Curley Farm, L	87.68 323	↑P	P	22 10 04.4 -0.1
Y27A	The Old Anders	87.70 313	↑P	P	22 10 04.5 -0.1
T21A	Causey	87.71 318	↑P	P	22 10 05.1 +0.2
P16A	Navajo Lake	87.72 322	↑P	P	22 10 05.1 0.0
J08A	Fountain Green	87.82 328	↑P	P	22 10 04.5 -0.5
U22A	Circle Bar Ran	87.88 317	↑P	P	22 10 06.2 +0.8
DUG	Llaves	87.91 323	↑P	P	22 10 05.5 0.0
R18A	Duesy Ranch,	87.91 320	↑P	P	22 10 05.3 -0.3
W24A	Canyonlands Na	87.97 315	↑P	P	22 10 06.5 +0.6
MAJO	baz=88, SNR=21	87.98 43	P	P	22 10 04.3 -1.6
MAJO	Matsushiro	87.98 43	P	P	22 10 04.3 -1.6
MAT	Matsushiro	87.98 43	P	P	22 10 04.4 -1.5
MJAR	MAT	87.98 43	P	P	22 20 28.0 +1.2
MJAR	Matsushiro Arr	87.98 43	P	P	22 10 04.9 -1.0
MJAR	comp=Z,7.2nm,0.9s,mb4.5,baz=309,slow=5.8,SNR=14	87.98 43	P	P	22 10 04.9 -1.0
V23A	Matsushiro Arr	87.98 43	P	P	22 10 04.9 -1.0
S19A	MJAR	88.02 319	↑P	P	22 10 06.0 -0.1
Y26A	Harvey Farm, M	88.05 313	↑P	P	22 10 06.5 +0.3
X25A	Elida	88.07 314	↑P	P	22 10 06.7 +0.3

MVCO	Mesa Verde	88.11 319	↑P	P	22 10 06.5 0.0
Q16A	baz=88, SNR=22	88.13 321	↑P	P	22 10 06.2 -0.4
Z27A	Castle Valley	88.14 313	↑P	P	22 10 06.8 0.0
P15A	baz=88, SNR=14	88.15 322	↑P	P	22 10 06.5 -0.1
JCT	Leamington	88.18 309	↑P	P	22 10 07.2 +0.3
V22A	Junction City	88.26 317	↑P	P	22 10 07.9 +0.7
U21A	San Miguel Ran	88.27 317	↑P	P	22 10 07.5 +0.2
R17A	Nagezzi	88.29 321	↑P	P	22 10 06.9 -0.4
W23A	baz=88, SNR=39	88.42 316	↑P	P	22 10 08.5 +0.5
X24A	Hanksville Air	88.47 315	↑P	P	22 10 08.6 +0.4
S18A	Werner Place	88.50 320	↑P	P	22 10 07.9 -0.4
Y25A	Mesa, Roswell	88.53 314	↑P	P	22 10 08.7 +0.2
Z26A	baz=88, SNR=18	88.61 313	↑P	P	22 10 09.2 +0.3
T19A	Caprock	88.67 319	↑		

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like W17A Winslow, X18A Snowflake, 223A Chapparral, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like ASAR comp=Z,1.0nm,0.4s, AS31 Alice Springs, COEN comp=Z,59nm,1.2s, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like TKM2 Tokmak 2, EKS2 Erkin-Say, SONM Songoing Array, etc.







425A	Indio Mountain	15.53 337	↑P	Pn	02 08 17.0 +4.1
327A	Balmorhea Ranch	15.57 342	↑P	Pn	02 08 16.7 +3.3
326A	Caldwell Ranch	16.06 341	↑P	Pn	02 08 18.0 +3.3
325A	Bean Ranch, Si	16.05 338	↑P	Pn	02 08 21.2 +1.5
227A	Bennet, Jal	16.11 344	↑P	Pn	02 08 23.1 +2.6
324A	Moseley Ranch	16.30 337	↑P	Pn	02 08 24.1 +1.1
226A	Malaga, Loving	16.39 341	↑P	Pn	02 08 24.6 +0.5
MNTX	Cornudas Mount	16.50 337	↑P	Pn	02 08 26.3 +0.9
MNTX	Cornudas Mount	16.50 337	ePn	Pn	02 08 23.7 -1.7
GDL2	Guadalupe Moun	16.61 341	eP	Pn	02 08 29.4 +2.6
225A	Deer Hill, Car	16.67 339	↑P	Pn	02 08 28.3 +0.7
127A	Arkansas Junct	16.76 344	↑P	Pn	02 08 28.9 +0.2
224A	Cornudas Mount	16.89 337	↑P	Pn	02 08 30.5 +0.3
125A	Gardner Draw,	17.12 341	↑P	Pn	02 08 33.4 +0.2
227A	Tatum	17.33 345	↑P	Pn	02 08 34.6 -1.3
Z26A	Caprock	17.49 343	↑P	Pn	02 08 37.3 -0.5
222A	Williams Famil	17.54 334	↑P	Pn	02 08 38.6 +0.1
320A	Kipp Ranch, An	17.56 329	↑P	Pn	02 08 39.4 +0.8
Z25A	Roswell	17.71 341	↑P	Pn	02 08 40.3 -0.3
MSTX	Muleshoe	17.86 347	↑P	Pn	02 08 40.5 -1.8
Y27A	Causey	17.86 346	↑P	Pn	02 08 40.9 -1.5
Z24A	Sheeppen Canyo	17.97 340	↑P	Pn	02 08 43.9 +0.2
319A	Douglas	17.97 327	↑P	Pn	02 08 45.1 +1.4
220A	Playas Peak, P	18.02 330	↑P	Pn	02 08 45.5 +1.2
WMOK	Wichita Mounta	18.11 358	ePn	Pn	02 08 42.8 -2.7
121A	Cookes Peak, D	18.20 333	↑P	Pn	02 08 47.8 +1.2
Z23A	Rita Site, Whi	18.21 337	↑P	Pn	02 08 47.2 +0.5
Y25A	Mesa, Roswell	18.31 342	↑P	Pn	02 08 47.7 -0.1
MIAR	Mount Ida	18.34 12	ePn	Pn	02 08 47.0 -1.3
318A	Bisbee	18.40 326	↑P	Pn	02 08 50.2 +1.3
219A	White Tail Can	18.46 328	↑P	Pn	02 08 50.6 +0.9
Z22A	Elephant Butte	18.49 336	↑P	Pn	02 08 50.2 +0.2
Y24A	Capitan	18.54 340	↑P	Pn	02 08 50.4 -0.2
AMTX	Amarillo	18.54 350	↑P	Pn	02 08 49.7 -1.0
AMTX	Amarillo	18.54 350	eP	Pn	02 08 49.0 -1.6
X27A	F and S Farms,	18.58 347	↑P	Pn	02 08 50.2 -1.0
120A	U Bar Ranch, L	18.60 331	↑P	Pn	02 08 51.8 +0.4
X26A	CR and CF Fran	18.66 345	↑P	Pn	02 08 50.8 -1.3
Y23A	Lovelace Mesa,	18.75 339	↑P	Pn	02 08 53.0 -0.2
Z21A	St. Cloud Mine	18.82 334	↑P	Pn	02 08 54.2 +0.1
218A	Dragoon	18.84 327	↑P	Pn	02 08 55.0 +0.7
W27A	Bowe Ranch, En	18.97 347	↑P	Pn	02 08 54.6 -1.3
Z20A	Nine Sixteen R	19.05 332	↑P	Pn	02 08 56.7 -0.2
Y22A	Socorro	19.09 337	↑P	Pn	02 08 57.1 -0.2
X24A	Lazy VL Ranch,	19.13 341	↑P	Pn	02 08 56.7 -1.1
BNM	Barren Site	19.15 338	eP	Pn	02 08 56.9 -1.1
118A	Hockack Ranch,	19.33 328	↑P	Pn	02 08 60.0 -0.3
X23A	Hourglass Bar	19.39 339	↑P	Pn	02 08 59.8 -1.1
Y21A	Point of Rocks	19.43 335	↑P	Pn	02 09 00.7 -0.6
W25A	X Bar L Ranch,	19.45 344	↑P	Pn	02 08 59.8 -1.9
Z19A	T-Link Ranch,	19.52 331	↑P	Pn	02 09 01.9 -0.6
X22A	Bernardo	19.61 337	↑P	Pn	02 09 02.3 -1.3
Y20A	Horse Springs,	19.64 334	↑P	Pn	02 09 03.3 -0.6
W24A	Lazy 6 Ranch,	19.72 342	↑P	Pn	02 09 03.1 -1.7
ANMO	Albuquerque	19.82 339	P	Pn	02 09 04.1 -1.9
ANMO	Albuquerque	19.82 339	eP	LR	02 17 26.3
V26A	Tequesquite Ra	19.84 346	↑P	Pn	02 09 04.4 -1.8
X21A	Alamocita Cree	19.86 336	↑P	Pn	02 09 05.5 -1.0
W23A	Werner Place,	19.90 340	↑P	Pn	02 09 05.5 -1.5
Y19A	Nutrosio	20.06 332	↑P	P	02 09 08.7 +1.7
V25A	Rancho No Teng	20.08 344	↑P	P	02 09 07.0 -0.2
V24A	Rampart Ranch,	20.16 343	↑P	P	02 09 07.7 -0.3
X20A	Quemado	20.23 334	↑P	P	02 09 09.8 +1.0
Y18A	Canyon Day Jun	20.28 330	↑P	P	02 09 10.4 +1.0
W21A	San Fidel	20.39 337	↑P	P	02 09 11.2 +0.7
V23A	Ortiz Mt. (NFS	20.45 341	↑P	P	02 09 11.5 +0.3
X19A	St. Johns	20.47 332	↑P	P	02 09 12.5 +0.0
U25A	Circle Dot Ran	20.56 345	↑P	P	02 09 12.0 -0.4
Y17A	Roosevelt	20.61 328	↑P	P	02 09 14.1 +1.2
W20A	Ramah	20.73 335	↑P	P	02 09 15.3 +1.1
V22A	San Miguel Ran	20.84 339	↑P	P	02 09 15.8 +0.3
X18A	Snowflake	20.86 331	↑P	P	02 09 16.7 +1.1
U23A	El Rito	20.99 341	↑P	P	02 09 17.1 0.0
V21A	Milan	21.00 338	↑P	P	02 09 17.5 +0.3
W19A	Sanders	21.09 333	↑P	P	02 09 18.9 +0.7
U22A	Llaves	21.25 340	↑P	P	02 09 20.0 +0.3
T25A	Trinidad	21.27 346	↑P	P	02 09 20.2 +0.2
GOGA	Godfrey	21.28 35	eP	P	02 09 18.0 -2.3
V20A	Brimhall	21.31 336	↑P	P	02 09 21.2 +0.7
T24A	Torres, Weston	21.36 344	↑P	P	02 09 21.1 0.0
V19A	Window Rock	21.47 335	↑P	P	02 09 22.7 +0.6
WVT	Waverly	21.48 23	eP	P	02 09 19.8 -2.5
X16A	Lo Mia Camp, P	21.48 328	↑P	P	02 09 23.4 +1.0

U21A	Nageezi	21.57 338	↑P	P	02 09 23.5 +0.3
T23A	Casias Ranch,	21.60 342	↑P	P	02 09 23.5 0.0
S25A	Robles Cordova	21.77 346	↑P	P	02 09 25.2 -0.2
U20A	Newcomb	21.84 337	↑P	P	02 09 26.5 +0.4
V18A	Ganado	21.84 333	↑P	P	02 09 26.6 +0.5
T22A	Edith	21.84 341	↑P	P	02 09 26.5 +0.4
S24A	Houchin Ranch,	21.94 345	↑P	P	02 09 26.9 -0.3
Y14A	Wickenburg	21.94 325	↑P	P	02 09 28.5 +1.2
T21A	Navajo Lake	22.03 339	↑P	P	02 09 28.3 +0.1
U19A	Dingo College,	22.03 335	↑P	P	02 09 28.5 +0.3
R27A	Eads	22.05 350	↑P	P	02 09 27.1 -1.2
SDCO	Great Sand Dun	22.11 344	↑P	P	02 09 29.1 +0.1
SDCO	Great Sand Dun	22.11 344	eP	P	02 09 28.4 -0.6
V17A	Tonalee, Kykot	22.15 331	↑P	P	02 09 30.1 +0.6
R26A	Arlington	22.18 349	↑P	P	02 09 29.3 -0.4
R25A	Fountain Ranch	22.20 347	↑P	P	02 09 29.5 -0.5
S23A	Nye Farm, Mont	22.21 343	↑P	P	02 09 29.9 -0.2
CBKS	Cedar Bluff	22.22 356	↑P	P	02 09 28.9 -1.3
CBKS	Cedar Bluff	22.22 356	eP	P	02 09 29.4 -0.8
CPCT	Cooper Cave	22.32 30	eP	P	02 09 27.1 -4.2
WUAZ	Wupatki	22.33 330	↑P	P	02 09 32.0 +0.6
WUAZ	Wupatki	22.33 330	eP	P	02 09 32.5 +1.1
U18A	Rough Rock, Ch	22.41 334	↑P	P	02 09 32.8 +0.5
R24A	Sanders Place,	22.47 345	↑P	P	02 09 32.4 -0.5
KSU1	Kansas State U	22.49 3	eP	P	02 09 31.0 -2.0
S22A	4UR Ranch, Cre	22.49 341	↑P	P	02 09 33.6 +0.5
MVCO	Mesa Verde	22.57 338	↑P	P	02 09 33.5 -0.4
MVCO	Mesa Verde	22.57 338	eP	P	02 09 33.0 -0.8
R23A	Moffat	22.62 344	↑P	P	02 09 34.3 -0.1
S21A	Coal Bank Pass	22.72 340	↑P	P	02 09 36.0 +0.4
Q26A	Hugo	22.80 349	↑P	P	02 09 35.9 -0.4
TKL	Tuckaleechee C	22.86 31	P	P	02 09 34.1 -2.9
TKL	Tuckaleechee C	22.86 31	P	P	02 09 34.1 -2.9
R22A	Saguache, Gunn	22.92 342	↑P	P	02 09 38.2 +0.0
Q25A	Bedland, Calha	22.93 347	↑P	P	02 09 37.4 -0.3
T18A	Mexican Hat	23.03 335	↑P	P	02 09 38.8 +0.1
S20A	Disappointment	23.07 339	↑P	P	02 09 39.7 +0.5
Q24A	Divide	23.18 346	↑P	P	02 09 40.3 0.0
S19A	Harvey Farm, M	23.27 337	↑P	P	02 09 41.0 -0.4
R21A	Ciman	23.29 341	↑P	P	02 09 42.0 +0.5
W13A	Hualapai Mount	23.29 325	↑P	P	02 09 43.0 +1.4
Q23A	Hartsale	23.29 344	↑P	P	02 09 41.3 -0.2
T17A	Navajo Res., N	23.30 333	↑P	P	02 09 42.1 +0.5
R20A	Redvale	23.40 339	↑P	P	02 09 43.3 +0.6
Q22A	Crested Butte,	23.55 342	↑P	P	02 09 44.2 +0.1
S18A	Hurst Farm, BI	23.55 336	↑P	P	02 09 44.2 +0.1
P23A	Jefferson	23.74 345	↑P	P	02 09 45.9 +0.1
KMSC	Kings Mountain	23.75 36	↑P	P	02 09 44.1 -1.9
R19A	Cutley Farm, L	23.80 338	↑P	P	02 09 46.4 0.0
S17A	Black Ridge (B	23.84 334	↑P	P	02 09 47.2 +0.5
WCI	Wyandotte Cave	23.91 23	eP	P	02 09 44.3 -3.1
Q26A	Horse Wrangler	24.04 350	↑P	P	02 09 48.2 -0.3
Q20A	Ridgley Place,	24.06 340	↑P	P	02 09 49.0 +0.3
Q25A	Wiggins	24.06 348	↑P	P	02 09 48.6 -0.1
ISCO	Idaho Springs	24.08 346	↑P	P	02 09 49.0 +0.1
ISCO	Idaho Springs	24.08 346	eP	P	02 09 48.9 0.0
R18A	Canyonlands Na	24.12 337	↑P	P	02 09 49.2 -0.1
P22A	Eagle Springs	24.19 343	↑P	P	02 09 50.0 +0.1
S16A	Weppner Ranch,	24.25 333	↑P	P	02 09 51.0 +0.6
Q24A	Longmont	24.27 347	↑P	P	02 09 50.6 0.0
P21A	Newcastle	24.32 342	↑P	P	02 09 51.5 +0.4
Q19A	Hogan Spring (	24.39 338	↑P	P	02 09 51.8 +0.1
R17A	Hanksville Air	24.47 335	↑P	P	02 09 52.9 +0.4
Q23A	Lake Granby, G	24.55 345	↑P	P	02 09 53.7 +0.6
P20A	De Beque	24.59 340	↑P	P	02 09 53.8 +0.3
Q22A	Kremmling	24.66 344	↑P	P	02 09 54.1 -0.1
R16A	Teasdale	24.67 334	↑P	P	02 09 54.7 +0.4
P19A	Cripple Cowboy	24.90 340	↑P	P	02 09 56.9 +0.5
N24A	Carl	24.90 348	↑P	P	02 09 56.3 0.0
R15A	Junction	24.95 333	↑P	P	02 09 57.5 +0.6
Q21A	Pagoda	24.96 343	↑P	P	02 09 57.2 +0.3
SRU	San Rafael	24.99 336	eP	P	02 09 58.4 +1.2
Q16A	Castle Valley	25.08 335	↑P	P	02 09 58.8 +0.8
Q20A	White River Ci	25.12 341	↑P	P	02 09 58.6 +0.2
ARUT	Antelope Range	25.14 330	eP	P	02 09 59.8 +1.2
MSU	Marysvalle	25.16 333	eP	P	02 09 59.9 +1.2
N23A	Red Feather La	25.20 346	↑P	P	02 09 59.1 -0.1
N22A	Wattenberg Ran	25.24 345	↑P	P	02 09 59.6 +0.1
M25A	Palm-Egali Farm	25.33 349	↑P	P	02 10 00.2 0.0
P18A	Preston Nutter	25.34 337	↑P	P	02 10 01.3 +0.9
P17A	Butcher Ranch,	25.39 337	↑P	P	02 10 01.5 +0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ULM, A17A, A12A, etc.

ISCJB 18 02:23:29.5:2.0, 4.69S:0.08x128.9E:0.1, h259km, 20km, mb4.2/14, Error ellipse: s-maj=24.7km s-min=6.7km az=154.2

IDC 18 02:23:34.4:2.3, 4.86S:128.66E, h289km, 22km, mb3.6/6, mb1 3.7/9, mb1mx3.6/18, mbtrp3.6/9, Error ellipse: s-maj=38.2km s-min=8.6km az=70.0

NEIC 18 02:23:35.0:1.5, 4.89S:129.63E, h298km, 16km, mb4.5/10, Error ellipse: s-maj=16.6km s-min=6.4km az=58.0

ISC 18 02:23:34.1, 5.488S:106.1288E:0.1, h293km, 15km, n47, c0573/54, mb4.2/14, Banda Sea

Main table of station data for the left column, including FITZ, WRA, WRA, etc.

DDA 18 02:25:12.9, 39.92N:28.92E, h16km, 1km, Md3.1
ISCJB 18 02:25:13.1:0.4, 39.92N:0.02:28.95E:0.02, h3km, 4km, Error ellipse: s-maj=3.1km s-min=2.8km az=38.3

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

Main table of station data for the middle column, including MDNY, MDNY, MDNY, etc.

DDA 18 02:30:51.8, 39.45N:33.05E, h16km, 1km, Md3.7
ISCJB 18 02:30:51.8, 39.47N:33.05E, h3km, MD3.3
ISCJB 18 02:30:52.0:0.1, 39.46N:33.04E, h2km, MD3.3, Error ellipse: s-maj=2.7km s-min=2.5km az=127.0

Main table of station data for the middle column, including AFSR, AFSR, AFSR, etc.

Main table of station data for the right column, including CANT, SULT, SULT, etc.

IDC 18 02:50:09.0:9.9, 13.99S:166.52E, h0km, mb4.2/10, mb1 4.3/10, mb1mx4.2/17, mbtp4.1/10, MS3.6/6, M1 3.6/6, m1mx3.3/29, Error ellipse: s-maj=30.1km s-min=22.4km az=117.0

ISCJB 18 02:50:12.5:0.7, 14.26S:0.06:166.6E:0.2, h33km, mb4.1/12, MS3.6/5, Error ellipse: s-maj=22.7km s-min=9.2km az=176.4

NEIC 18 02:50:15.4:0.6, 14.06S:166.46E, h35km, mb4.6/2, Error ellipse: s-maj=23.5km s-min=14.3km az=87.0

ISC 18 02:50:15.1:0.7, 14.11S:0.08:166.5E:0.2, h35km, n40, mb2.7/23, mb4.1/12, MS3.6/5, Vanuatu Islands

Main table of station data for the right column, including DZM, DZM, DZM, etc.



Table with columns for station call letters, frequency, power, and other technical details. Includes stations like THZ, CNB, KHZ, RPZ, STKA, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like QZH, YUK, YUK, YUK, YUK, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like LZH, Lanzhou, KDAX, KDAX, KDAX, etc.

Table with columns: Station Name, Frequency, Mode, and other parameters. Includes stations like KURK Kurchatov, RES Resolute Bay, AKTO Aktyubinsk, etc.

Table with columns: Station Name, Frequency, Mode, and other parameters. Includes stations like CDF Champ du Feu, DAVOX Davos/Dischmat, HMF Hinterfeld, etc.

Table with columns: Station Name, Frequency, Mode, and other parameters. Includes stations like IDC 18 03:46:02.0, GUMO Guam, GUMU Guam, etc.

ISC/JB 18 03:46:01.6, 8.0, 19.07N:145.41E:0.04, 1167km, 7km, mb4.6/90, Error ellipse: s-maj=6.9km s-min=5.5km az=40.0





Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like H19A Powell, MPU Maple Canyon, A22A Carney Farms, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like K22A Casper, P20A De Beque, N21A Black Mountain, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Z21A St. Cloud Mine, Q25A Cortez, V23A Ortiz Mt. (NFS), etc.

ISC/JB 18 03:50:59.8-0.6, 36.53N-104.27.13E-0.06, h130km, 5km, Error ellipse: s-maj=8.0km s-min=5.9km az=33.9, ATH 18 03:51:00.9, 36.65N-26.97E, h109km, 10km, CSEM 18 03:51:00.4-0.3, 36.54N-27.12E, h127km, 4km, MD3.0, Error ellipse: s-maj=6.8km s-min=4.9km az=112.0, ISK 18 03:51:02.2, 36.73N-27.09E, h115km, MD3.0, THE 18 03:51:02.3, 36.76N-26.80E, h12km, 3km, ML3.2/1, Error ellipse: s-maj=3.8km s-min=0.7km az=344.0, HLW 18 03:51:02.1, 36.66N-27.40E, h26km, 18km, Md4.0, ISC 18 03:51:00.6-0.7, 36.55N-104.27.12E-0.06, h127km, 6km, N52, 0593/68, Dodecanese Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like NPS Neapolis, BLCB Balcova, IZM Izmir, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like URZ Urewera, RPZ Rata Peaks, DZM Mont Dzum, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like FINES FINES Array B, NOA NORSTAR Array B, AKASA Malin Array B, etc.

NEIC 18 03:57:48.0, 15:32'N:94:58'W, h18km, MD4.0 (MEX), After MEX

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PCIG PCIG, HUG Huatulco, CMIG Matias Romero, etc.

ISC 18 04:23:55.6, 1.3, 31:AS:0.1:177:0W:0.2, h35km, n28, r125:20, mb4.1/7, MS3.7/5, Kermadec Islands region

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

ISCJB 18 05:09:52.6, 0.7, 45:94'N:0:03:15:85'E:0.06, h13km, 5km, Error ellipse: s-maj=7.6km s-min=4.1km az=23.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like GCSIS Gornji Cirkic, GOLS Golise, CESS Cesta pri Krsk, etc.

MOS 18 04:05:07.3, 0.9, 50:85'N:158:54'E, h13km, mb4.3/1, Error ellipse: s-maj=47.3km s-min=15.3km az=81.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RUS Russkaya, GRL Gorelyy, MIPR Malaya Ipe'l'ka, etc.

NEIC 18 04:29:08.8, 1.6, 29:95'S:179:02'W, h311km, 15km, mb4.4/3, Error ellipse: s-maj=24.1km s-min=14.2km az=92.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MXZ Matakoaka Point, URZ Urewera, RPZ Rata Peaks, etc.

ISC 18 05:52.9, 0.8, 45:92'N:0:03:15:87'E:0.06, h11km, 6km, n33, r0:67/57, 13C-9D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DOBS Dobrina, BOJS Bojanci, PDKS Podkum, etc.

ISC 18 04:23:49.9, 1.3, 31:47'S:176:95'W, h0km, mb4.1/4, mb1 4.3/8, mb1mx4.1/17, mbtmp4.1/8, ML4.0/2, MS3.7/6, MS1 3.7/6, ms1mx3.4/19, Error ellipse: s-maj=35.6km s-min=26.1km az=152.0

ISC 18 04:29:09.0, 2.8, 29:95'S:179:03'W, h312km, 22km, mb3.5/5, mb1 3.7/6, mb1mx3.5/17, mbtmp3.6/6, Error ellipse: s-maj=29.0km s-min=24.8km az=30.0

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

ISC 18 05:26:14.1, 1.1, 6:00'S:154:93'E, h0km, mb3.7/9, mb1 3.8/9, mb1mx3.8/17, mbtmp3.7/9, Error ellipse: s-maj=44.0km s-min=23.2km az=111.0, Bougainville -

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



Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like HHC, HIA, LZH, LANZHOU, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ILAR, MENT, QSPA, QSPA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like TKM2, KBK, AAK, etc.

KNET 18 06:23:07.9±0.5, 43.75N, 74.52E, h15km, 3km, ml1.5, Error ellipse: s-maj=4.0km s-min=2.5km az=167.0

IDC 18 06:43:14.3±2.8, 38.37N, 143.47E, h0km, mb3.7/3, mb1.3/4, 1.1s, SNR=16

NIED 18 06:47:00.38±40N, 143.40E, h23km, Mw5.3 Best double comp: M69.63000±0.10E NP1.9±21.00000±858.00000±

MOS 18 06:47:13.2±0.8, 38.71N, 142.94E, h33km, mb5.7/9, MS5.3/29 Error ellipse: s-maj=6.1km s-min=3.7km

ISJC 18 06:23:10.9±1.4, 43.66N, 108.74E, 0.07, h10km, Error ellipse: s-maj=11.4km s-min=9.9km az=23.1

Table with columns for station code, name, time, and various status indicators. Includes stations like MJAR, MAJO, MAT, MNG, etc.

Table with columns for station code, name, time, and various status indicators. Includes stations like CN2, SNE, SNY, SKR, etc.

Table with columns for station code, name, time, and various status indicators. Includes stations like TPUB, TWG, CIT, QZH, WHN, GUM, etc.









18d 6h

Table with columns: Call sign, Name, Frequency, Power, Mode, and other details. Includes entries like GZT Gaziantep, TESR Cripple Cowboy, O20A White River Ci, etc.

2008 DEC

Table with columns: Call sign, Name, Frequency, Power, Mode, and other details. Includes entries like DRGR Moravsky Berou, MORC Moravsky Berou, U21A Nageezi, etc.

726

Table with columns: Call sign, Name, Frequency, Power, Mode, and other details. Includes entries like U21A Nageezi, CLZ Clausthal, TREC Trest, etc.







Table with columns: LSP, Las Mesas, 2.26 2381, eP, Pn, 08 14 00.6 -0.4

KRSC 18 08:14:03.7.0.6, 53.16N, 160.90E, h21km, 20km, ML3.9, Near east coast of Kamchatka Peninsula

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

IDC 18 08:24:06.8.1.0, 0.69N, 29.47W, h0km, mb3.9/6, mb1 4.1/7, mb1mx3.8/22, mbtmp3.9/7, ML3.8/1, MS3.8/4, Ms1 3.7/4, ms1mx3.3/33, Error ellipse: s-maj=34.8km s-min=21.3km az=153.0, Central Mid-Atlantic Ridge

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

IDC 18 08:40:17.4.1.7, 6.74S, 129.30E, h0km, mb4.0/2, mb1 4.0/4, mb1mx3.7/15, mbtmp3.9/4, ML4.0/2, Error ellipse: s-maj=136.4km s-min=25.4km az=65.0

NEIC 18 08:40:21.8.1.1, 6.48S, 130.10E, h35km, Error ellipse: s-maj=30.3km s-min=12.9km az=70.0, Banda Sea

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

DHMR 18 08:51:34.9.0.8, 15.38N, 45.56E, h4km, 4km, ML3.3, ISCJB 18 08:51:37.1.1.1, 15.37N, 0.04, 45.60E, 0.07, h10km, Error ellipse: s-maj=10.4km s-min=4.5km az=165.5

CSEM 18 08:51:37.4.1.3, 15.22N, 45.43E, h2km, ML3.3, Error ellipse: s-maj=35.1km s-min=17.6km az=65.0

SGS 18 08:51:46.6, 15.20N, 45.09E, h15km, ISC 18 08:51:38.4.1.0, 15.31N, 0.04, 45.54E, 0.07, h10km, n14, r144/24, 4D, Western Arabian Peninsula

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

NIED 18 09:13:00, 38.40N, 143.20E, h17km, Mw3.6 Best double couple: M2=78000, 1014 NP1=32, 00000, 861, 00000, 1, 100, 00000, NP2=192, 00000, 831, 00000, 1, 73, 00000

JMA 18 09:13:07.3.0.1, 38.37N, 143.22E, h27km, M3.5, Off east coast of Honshu

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

Table with columns: JMK, Ohasama, 1.86 307, P, Pn, 09 13 56.3 +1.0

SKHL 18 09:30:52.9.0.8, 54.40N, 125.96E, h10km, 1km, mb3.9/6, Southeastern Siberia

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

IDC 18 09:54:09.2.3.2, 5.27S, 151.96E, h0km, mb3.7/3, mb1 3.9/4, mb1mx3.6/18, mbtmp3.8/4, ML3.2/1, MS3.5/2, Ms1 3.5/2, ms1mx2.7/28, Error ellipse: s-maj=110.2km s-min=43.7km az=124.0

NEIC 18 09:54:14.4.1.4, 5.62S, 152.16E, h35km, mb4.0/1, Error ellipse: s-maj=91.5km s-min=13.6km az=132.0

ISC 18 09:54:14.5.4.6, 5.85S, 152.4E, 0.5, h38km, 36km, n14, o544/13, mb4.0/5, New Britain region

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

PMG Port Moresby 6.27 235 Pn Pn 09 55 44.4 -0.1

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

NEIC 18 10:22:06.8, 17.30N, 94.63W, h157km, MD4.0(MEX), After MEX

MEX 18 10:22:07.2.0.8, 17.25N, 94.63W, h153km, 7km, MD4.0, Chiapas

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

Table with columns: CCIG, Comitan, 2.57 112, iS, Sn, 09 13 56.3 +1.0

IDC 18 10:24:15.0.2.6, 88S, 129.45E, h0km, mb3.4/1, mb1 4.0/4, mb1mx3.7/16, mbtmp3.8/4, ML4.0/3, MS2.5/1, Ms1 2.5/1, ms1mx2.0/19, Error ellipse: s-maj=103.4km s-min=27.5km az=76.0

NEIC 18 10:24:20.8.1.4, 7.04S, 129.26E, h35km, Error ellipse: s-maj=25.3km s-min=17.5km az=67.0, Banda Sea

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

NEIC 18 10:36:04.5.4.2, 17.01S, 175.08E, h35km, mb4.1/3, Error ellipse: s-maj=87.9km s-min=32.5km az=115.0

IDC 18 10:37:03.3.8.8, 18.56S, 170.41E, h233km, 50km, mb3.8/4, mb1 3.9/5, mb1mx3.5/18, mbtmp3.7/5, Error ellipse: s-maj=98.4km s-min=76.5km az=110.0

ISC 18 10:37:01.4.1.4, 18.65S, 170.6E, 0.5, h226km, 33km, n16, o570/18, mb4.0/6, Vanuatu Islands

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

DDA 18 11:01:25.8, 38.21N, 37.08E, h7km, 8km, Md2.7, Turkey

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

NEIC 18 11:20:42.6, 16.82N, 99.74W, h5km, MD3.5(MEX), After MEX

MEX 18 11:20:42.7.0.5, 16.79N, 99.75W, h11km, 3km, MD3.5, Near coast of Guerrero

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

IDC 18 11:28:41.3.3.6, 28S, 147.86E, h0km, mb3.4/2, mb1 3.5/4, mb1mx3.4/17, mbtmp3.3/4, ML2.3/1, Error ellipse: s-maj=73.8km s-min=35.0km az=96.0, Eastern New Guinea region

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





NVAR Mina Array Bea 148.68 301 PKPbc PKPbc 14 17 48.7 +1.8
0.5nm,0.6s,baz=76,slow=3.8,SNR=5.7
NVAR Mina Array Bea 148.68 301 PKPbc PKPbc 14 17 48.7 +1.8

ISCJB 18 14:00:46.9,0.6,39.20N,0.03:-26.21E:0.04,h10km,4km,
Error ellipse: s-maj=6.2km s-min=5.0km az=140.8
CSEM 18 14:00:46.9,0.2,39.21N:26.24E,h10km,M02,7.5
ellipse: s-maj=4.9km s-min=4.7km az=143.0
DDA 18 14:00:46.6,39.21N:26.26E,h7km,4km,M02,8
ATH 18 14:00:47.1,39.22N:26.27E,h13km,2km,M02,7/4
ISC 18 14:00:47.5,0.6,39.21N:0.03:-26.24E:0.05,h11km,4km,
n17,0.5S0/32,Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Paraskevi, Ayvalik, Bozcaada, Chios island, Limnos Island, Balya, Akhisar, Samos, Dursunbey, Durs.

IDC 18 14:17:51.4,2.9,20.82S:68.68W,h96km,22km,mb3.7/2,
mb1 3.5/5,mb1mx3.4/15,mbtмп3.5/5,Error ellipse:
s-maj=57.0km s-min=28.8km az=101.0,Chile-Bolivia
border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Paz, San Ignacio, Fontan, Dibek, Torodi, Makanchi Array.

GUC 18 15:46:22.8,0.5,31.59S:68.89W,h149km,16km,MD3.7,
ML4.0,2C-1D,San Juan Province

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Jahuel, Combarbala, FarelloNes, Peldehue, Ovalle, Los Chungos, El Roble, Cerro Calan, Pirque, Rinconada Maip, Melos, Talagante, Chadas Angosto, El Canelo, Caldera.

BJI 18 15:50:13.2,1.99N:127.29E,h107km,mb5.2/36,mb5.3/56
NEIC 18 15:50:15.3,0.7,2.30N:127.17E,h87km,6km,mb5.6/79,
MW5.2,Error ellipse: s-maj=5.0km s-min=3.3km az=69.01
MOS 18 15:50:15.2,1.1,2.36N:127.11E,h96km,mb5.4/41,
MS4.1/6,Error ellipse: s-maj=9.8km s-min=4.7km
az=113.2

ISCJB 18 15:50:16.0,0.3,2.37N:0.02:127.20E:0.02,h104km,2km,
mb5.3/176,Error ellipse: s-maj=3.9km s-min=2.5km
az=171.5

IDC 18 15:50:16.9,1.1,2.30N:127.14E,h99km,9km,mb4.9/40,
mb1 4.9/43,mb1mx4.9/43,mbtмп4.9/43,MS4.1/34,
Ms1 4.1/34,ms1mx3.9/48,Error ellipse: s-maj=11.5km
s-min=6.7km az=76.0

DJA 18 15:50:18.5,0.3,2.2N:127.7E,h92km,3km,MS5.2/8,
mb5.6/57,mb5.3/68,MLV5.8/14,Mw(mBJ)5.1/57
GCMT 18 15:50:18.2,0.1,2.38N:127.07E,h106km,1km,MW5.3,
Moment Tensor Solution: 77,c113; s2,02; Moment
tensor: Scale: 1017Nm,Mr0.73,02; Mw0.34,02;
Mw=1.07,02; Mw-0.46,01; Mw-0.36,02; Mw-0.03,02;
Best double couple: M1.1,0000,1017; NP1.3,343,000000;
s51,00000; A2,00000; NP2.2,223,00000; s58,00000;
A3,132,00000. Principal axes: T1,0500,Plg5,0000;
Azml189,00000; N 0.1200,Plg35,0000; Azml18,00000; P
-1.1700,Plg4,0000; Azml285,0000; Data Used: IIC G
IU CN. Surface waves: sta=101,comp=177,per=50

ISC 18 15:50:17.2,0.3,2.36N:0.02:127.20E:0.02,h102km,2km,
h107km,1.6km;pp-P,n891,e1312581,mb5.3/176,
179C-143D,Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Ternate, Sangihe, Manado, Labuha, Cibinong, General Santos, Gorontalo.

MATI Mati 4.65 348 eP Pn 15 51 25.8 +0.5
DAV Davao City (W) 4.95 341 P Pn 15 51 28.9 -0.4
120nm,0.3s,baz=195,slow=1.1,SNR=40

DAV 579nm,0.3s,baz=232,slow=19,SNR=6.9 LR
DAV comp=2.2um,20.6s,baz=289,slow=35 S
DAV Davao City (W) 4.95 341 P Pn 15 51 28.9 -0.4
DAV 4.95 341 eP Pn 15 51 29.3 0.0
DAV 4.95 341 eP Pn 15 52 20.6 -4.9
DAV 4.95 341 eP Pn 15 52 27.1 +1.6
DAV 4.95 341 eP Pn 15 51 29.7 +0.4
DAV 4.95 341 eP Pn 15 51 29.5 +0.1
DAV 4.95 341 eP Pn 15 51 29.6 +0.3

DMPH Davao City-Mi 4.99 340 eP Pn 15 51 30.0 +0.2
DMPH 4.99 340 eS Pn 15 52 17.7 -8.6
KCP Kidapawan 5.07 336 iP Pn 15 51 30.8 -0.2
KCP 5.07 336 iS Pn 15 52 28.4 0.0
KCP 5.07 336 iS Pn 15 51 36.8 -0.9

NLAI Namlea 5.56 181 P Pn 15 51 38.2 +0.4
LUWI Luwuk 5.57 233 P Pn 15 51 38.6 +0.7
MRSI Marisa 5.58 250 P Pn 15 51 37.8 -1.1
CTBH Cotabato-PC H 5.66 329 iP Pn 15 51 42.1 +0.1
BUKUP Musuan 5.83 339 eP Pn 15 51 44.6 +2.0
MSAI Masohi 5.93 163 P Pn 15 51 45.1 +0.3

AAI 6.09 171 P Pn 15 51 50.5 -0.5
CGP 6.55 338 eP Pn 15 51 50.0 -3.7
CGP 6.55 338 eS Pn 15 51 50.7 -1.7
PAGZ Pagadian 6.65 325 eP Pn 15 51 55.3 +1.9
BUTP Butuan 6.75 347 eP Pn 15 51 53.6 -1.6
ZMPH Zamboanga City 7.06 312 iS Pn 15 53 05.9 -5.9
ZMPH 7.06 312 iS Pn 15 51 57.2 -1.2
IPIL Ipil 7.77 216 P Pn 15 52 07.5 -1.9

KDI Kendari 7.77 216 P Pn 15 52 12.1 +1.6
SNPH Sibulan 7.98 331 eP Pn 15 52 12.4 +0.7
MSLP Maasin 8.06 343 eP Pn 15 52 24.7 +0.2
OCLP Ormoc 9.01 344 eP Pn 15 52 24.8 +0.1
PLP Palo 9.02 346 eP Pn 15 53 59.8 -4.7
PLP 9.02 346 eS Pn 15 52 26.2 +0.9

BBSI Bau Bau 9.06 211 P Pn 15 52 28.0 +1.9
MYLDM Lahad Datu 9.12 288 P Pn 15 52 27.2 +1.1
MYLDM 9.12 288 P Pn 15 52 24.4 -1.7
TTSI Tana Toraja 9.13 234 P Pn 15 52 29.2 -0.6
GUIM Jordan 9.40 331 eP Pn 15 52 30.5 -0.8
TSM Tawau 9.51 282 P Pn 15 52 35.9 +3.6

BAKI Blak 9.58 112 P Pn 15 52 35.8 +2.2
TLE Tual 9.68 145 P Pn 15 52 34.0 -0.3
SPSI Sidrap Palu 9.73 230 P Pn 15 52 34.1 -0.7
BNSI Bone 9.77 227 P Pn 15 52 38.4 -1.0
MJSI Majene 10.10 234 P Pn 15 52 39.4 -0.6
RCP 10.15 334 eP Pn 15 52 43.5 +0.4
SMKI Samarinda 10.37 351 eP Pn 15 52 43.9 +0.4

BKSI Bulukumba 10.40 223 P Pn 15 52 43.2 -0.6
CUYO Cuyo Island 10.43 324 eP Pn 15 52 41.6 -2.4
KAPI Kappang 10.44 225 P Pn 15 54 32.9 -6.3
KAPI 19nm,0.3s,baz=51,slow=14,SNR=19 S
KAPI 19nm,0.3s,baz=51,slow=12,SNR=8.0 S

KAPI Kappang 10.44 225 P Pn 15 52 41.6 -2.4
KAPI 10.44 225 S Pn 15 54 32.9 -6.3
KAPI 10.44 225 eS Pn 15 54 34.5 -4.7
KAPI 10.44 225 eS Pn 15 52 42.3 -1.7
SDKM Sandakan 10.10 288 P Pn 15 52 44.0 -0.8
OTRP Otiangon 11.18 333 eP Pn 15 52 55.9 +1.9
BATP Bataraza 11.33 305 eP Pn 15 52 56.8 +0.8
KKM Kota Kinabalu 11.55 289 P Pn 15 52 59.2 +0.2
KKM Kota Kinabalu 11.55 289 eP Pn 15 52 58.4 -0.3

KKM Kota Kinabalu 11.55 289 P Pn 15 52 58.7 -0.3
PVPC Virac 11.56 345 eP Pn 15 53 00.2 +1.1
ENPP El Nido 11.69 319 eP Pn 15 52 06.0 0.9
BUSB Coron 11.83 324 eP Pn 15 53 01.7 -0.9
MMRI Maumere 11.99 204 P Pn 15 53 04.6 -0.2

BOAC Boac 12.23 335 eP Pn 15 53 08.8 +0.8
SMPI Sarmi 12.29 110 P Pn 15 53 10.9 +2.1
KBKI Kotabaru 12.38 243 P Pn 15 53 08.8 -1.2
TGy Tagaytay City 13.21 332 P Pn 15 53 20.7 -0.2
TGy Tagaytay City 13.21 332 P Pn 15 53 20.7 -0.1
TGy Tagaytay City 13.21 332 P Pn 15 53 21.4 +0.3
BBKI Banjar Baru 13.64 245 P Pn 15 53 26.6 0.0

WSI Waingapu 13.79 210 P Pn 15 53 32.0 +0.6
BTM Bintulu 14.13 274 P Pn 15 53 33.2 +0.3
JAY Jayapura 14.34 110 P Pn 15 53 41.0 +5.4
BALP Baler 14.40 338 eP Pn 15 53 37.3 +0.9
SBUM Sibul 14.97 271 P Pn 15 53 46.2 +2.6
SBUM Sibul 14.97 271 P Pn 15 53 43.4 -0.2

SCBP Santa Cruz 15.14 332 eP Pn 15 53 43.2 -2.6
CAUP Cauayan 15.43 340 eP Pn 15 53 49.1 -0.2
MTNI Mataram 15.50 225 P Pn 15 53 51.4 +1.1
MTNI 15.50 225 P Pn 15 53 50.0

STKI Sintang 15.88 262 P Pn 15 53 55.3 +0.2
KMMI Kaliangte 16.18 235 P Pn 15 54 02.4 +3.6
PBKI Pangkalan Bun 21.62 252 P Pn 15 53 59.7 -0.8
IGBI Denpasar 16.36 227 P Pn 15 54 03.3 +2.3
NBBI Negara 16.46 230 P Pn 15 54 04.8 +2.5

ABRA Dolores 16.48 338 eP Pn 15 54 02.4 0.0
BLJI Banyuwijung 16.88 233 P Pn 15 54 08.8 +1.4
JAGI Jagaj, Banyuwj 16.88 230 P Pn 15 54 08.6 +1.2
KSM Kuching 16.91 267 P Pn 15 54 08.2 +0.4
KSM Kuching 16.91 267 eP Pn 15 54 07.5 -0.2
KSM Kuching 16.91 267 P Pn 15 54 07.8 +0.1

GMJI Guruklutas 17.32 232 P Pn 15 54 14.1 +1.4
CTA CTA 18.00 234 P Pn 15 54 23.5 +2.9
KRKI Karangates 30.1nm,1.1s 18.38 237 P Pn 15 54 26.1 +1.8
SJJI Sajahm 14.9nm,1.1s 18.50 236 P Pn 15 54 26.7 +1.1
PCJI Pacitan 19.11 237 P Pn 15 54 34.2 +1.9
UGM Ujung 19.52 238 P Pn 15 54 38.5 +1.8

GUUMO Guam 20.73 56 P P 15 54 47.6 -2.2
TWG Pinlang 21.19 344 eP P 15 54 51.9 -2.7

LEM Lembeh 21.57 245 eS P 15 58 34.8 -1.0
LUM Lum 21.57 245 eS P 15 55 01.4 +2.6
YULB Yuli 21.68 345 eP P 15 54 57.3 -2.5

CISOMET Cisomet, Garu 21.71 243 eS P 15 58 47.8 -6.2
YULB 1um130nm,0.8s,mb5.3 S P 15 55 01.6 +1.3
TPUB Ta-pu 21.77 344 eP P 15 54 59.2 -1.6
327nm,0.8s,mb5.7

CBJI Citeko 22.11 247 eP P 15 58 50.7 -5.0
SSLB Suanglung 22.14 345 eP P 15 55 03.2 -1.4
SSLB 315nm,0.9s,mb5.6 S P 15 55 02.6 -2.2

DBJI Dramaga 22.25 246 eP P 15 55 07.4 +1.3
NACB Nangiangchi 22.35 346 eP P 15 55 05.8 -1.2
COEN Coen 22.66 136 eP P 15 55 09.0 -1.4
COEN Coen 22.66 136 P P 15 55 09.2 -1.1

YHNB Yeheng 22.88 346 eP P 15 55 10.8 -1.5
RBBSI Rajabasa 22.93 249 P P 15 55 14.3 +1.4
PMG Port Moresby 23.07 121 P P 15 55 12.8 -1.4
PMG 23.07 121 eP P 15 55 12.2 -1.9

PMG Port Moresby 23.07 121 iP P 15 55 16.2 +2.0
PMG Port Moresby 23.07 121 P P 15 55 16.3 +2.1
BLSI Bandar Lampung 23.24 251 P P 15 55 17.8 +2.0
WRAB Tennant Creek 23.24 163 iP P 15 55 14.3 -1.4

WRAB Tennant Creek 23.24 163 eS S 15 59 18.4 -1.7
WRAB Tennant Creek 23.24 163 iP P 15 55 14.3 -1.4
WRAB 23.24 163 eS S 15 55 18.4 -1.7
WRAB 23.24 163 pmax pmax

WRAB Tennant Creek 23.24 163 P P 15 55 14.6 -1.1
WRAB Tennant Creek 23.24 163 P P 15 55 14.3 -1.4
WRA Warramunga Arr 23.25 163 P P 15 55 13.5 -2.2
WRA 23.25 163 S S 15 59 16.4 -3.8

WRA Warramunga Arr 23.25 163 P P 15 55 13.5 -2.2
WRA 23.25 163 S S 15 59 16.4 -3.8
WRA 23.25 163 S S 15 59 16.4 -3.8
WRA 23.25 163 S S 15 59 16.1 +0.2

WB2 Warramunga Arr 23.25 163 iP P 15 55 14.2 -1.5
WB2 23.25 163 eS S 15 59 15.2 -5.0
MYKOM Kota Tinggi 23.34 269 P P 15 55 17.6 +0.9
MYKOM Kota Tinggi 23.34 269 P P 15 55 16.9 +0.2

QIZ QIZ 23.73 315 P P 15 55 20.5 +0.3
QIZ 23.73 315 S S 15 59 32.3 +4.2
QIZ 23.73 315 LR LR 15 55 19.5 -0.7
QIZ 23.73 315 eP P 15 55 23.4 +1.9

QIZ 23.73 315 S S 15 55 20.5 +0.3
QIZ 23.73 315 S S 15 59 32.3 +4.2
QIZ 23.73 315 LR LR 15 55 19.5 -0.7
QIZ 23.73 315 eP P 15 55 23.4 +1.9
QIZ 23.73 315 S S 15 59 32.3 +4.2

QIZ 23.73 315 S S 15 55 20.5 +0.3
QIZ 23.73 315 S S 15 59 32.3 +4.2
QIZ 23.73 315 LR LR 15 55 19.5 -0.7
QIZ 23.73 315 eP P 15 55 23.4 +1.9
QIZ 23.73 315 S S 15 59 32.3 +4.2

QIZ 23.73 315 S S 15 55 20.5 +0.3
QIZ 23.73 315 S S 15 59 32.3 +4.2
QIZ 23.73 315 LR LR 15 55 19.5 -0.7
QIZ 23.73 315 eP P 15 55 23.4 +1.9
QIZ 23.73 315 S S 15 59 32.3 +4.2

QIZ 23.73 315 S S 15 55 20.5 +0.3
QIZ 23.73 315 S S 15 59 32.3 +4.2
QIZ 23.73 315 LR LR 15 55 19.5 -0.7
QIZ 23.73 315 eP P 15 55 23.4 +1.9
QIZ 23.73 315 S S 15 59 32.3 +4.2

QIZ 23.73 315 S S 15 55 20.5 +0.3
QIZ 23.73 315 S S 15 59 32.3 +4.2
QIZ 23.73 315 LR LR 15 55 19.5 -0.7
QIZ 23.73 315 eP P 15 55 23.4 +1.9
QIZ 23.73 315 S S 15 59 32.3 +4.2



18d 15h

Table with columns for station name, frequency, power, and other technical details. Includes stations like NDI New Delhi, CLNS Chul'man, POO Poona, DGAR Diego Garcia, BOD Bodaibo, PEAK Petropavlovsk, etc.

2008 DEC

Table with columns for station name, frequency, power, and other technical details. Includes stations like EKS2 Erkin-Say, AFI Afiamatu, KBL Kabul, FX1 Attu Island-F, KURK Kurchatov, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like MAW Mawson, KTAQ Kodiak Island, TBIG TBIG, SBA Scott Base, RSO Redoubt South, etc.







Table with columns: Station, Name, Frequency, Class, Mode, Power, and other technical details. Includes stations like SABA, SEUS, SKI, etc.

Table with columns: Station, Name, Frequency, Class, Mode, Power, and other technical details. Includes stations like BLO, BLO, BLO, etc.

Table with columns: Station, Name, Frequency, Class, Mode, Power, and other technical details. Includes stations like GDL2, Y26A, EYMN, etc.

18d 17h

Table with columns: LENN, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes entries like L26A Underwood Farm, X22A Bernardo, T23A Casias Ranch, etc.

2008 DEC

Table with columns: Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes entries like 218A Dragon, V19A Window Rock, K23A Bowen Ranch, etc.

738

Table with columns: Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes entries like N18A Larsen Ranch, SRU San Rafael, SRU San Rafael, etc.



18d 17h

Table with columns: RES, call sign, frequency, power, and other technical details. Includes entries like RES 57.73 352 P, RES 57.73 352 P, etc.

2008 DEC

Table with columns: CAF, call sign, frequency, power, and other technical details. Includes entries like CAF Calviac 64.03 49, CAF Calviac 64.03 49, etc.

740

Table with columns: HAU, call sign, frequency, power, and other technical details. Includes entries like HAU Haudompre 66.90 45, HAU Haudompre 66.90 45, etc.





Table of astronomical observations for 18d 17h, listing objects like AKTO, AKTO, PETK, PETK, PETK, etc., with associated coordinates and magnitudes.

Table of astronomical observations for 2008 DEC, listing objects like GYA, GYA, GYA, KMI, KMI, KMI, etc., with associated coordinates and magnitudes.

Table of astronomical observations for 742, listing objects like CTA, CTA, CTA, CTA, CTA, etc., with associated coordinates and magnitudes.



Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like CMAR Chiang Mai Arr, EKS2 Erkin-Say, KURK Kurchatov, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like ARU Arti, SOKR Solikamsk, GNI Garni, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like DRGR Cervencia-Dubn, CRVS Cervencia-Dubn, GZR Gura Zlata, etc.



CSEM 18 19:21:25.8;0.2,28.25N;52.41E,h20km,ML3.6,Error ellipse: s-maj=7.1km s-min=5.3km az=164.0

SGS 18 21:27.0,28.26N;52.40E,h18km ISC 18 21:24.5;0.4,28.24N;0.05;52.40E;0.05,h10km,n88, c081/83,mb3.6/12,Southern IR

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s ISC. Rows include stations like BNSD Bandar-Abbas, BNSD Bandar-Abbas, BNSD Bandar-Abbas, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s ISC. Rows include stations like BNSD Bandar-Abbas, BNSD Bandar-Abbas, BNSD Bandar-Abbas, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s ISC. Rows include stations like BNSD Bandar-Abbas, BNSD Bandar-Abbas, BNSD Bandar-Abbas, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s ISC. Rows include stations like BNSD Bandar-Abbas, BNSD Bandar-Abbas, BNSD Bandar-Abbas, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s ISC. Rows include stations like BNSD Bandar-Abbas, BNSD Bandar-Abbas, BNSD Bandar-Abbas, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s ISC. Rows include stations like BNSD Bandar-Abbas, BNSD Bandar-Abbas, BNSD Bandar-Abbas, etc.

Table with columns: TBVI, Tortola, 0.83 135f, eP, P, 19 45 03.9 -0.6, etc. Rows include stations like TBVI Tortola, TBVI Tortola, TBVI Tortola, etc.

NEIC 18 19:47:41.0, 14:20'N;93:47'W, h18km, MD4.2(MEX), After MEX

MEX 18 19:47:41.1,0.5, 14:20'N;93:47'W, h20km,27km, MD4.3, Near coast of Chiapas

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s ISC. Rows include stations like THIG, THIG, THIG, etc.

ISCJB 18 19:50:12.9;1.1,8.1;S;0.1;119.9E;0.1, h209km,11km, mb3.4/4, Error ellipse: s-maj=27.5km s-min=9.1km az=148.6

IDC 18 19:50:13.4;2.8,8.2;S;1.1;119.85E,h189km,25km,mb3.2/5, mb1 3.2/8, mb1mx3.1/21, mbtm3.0/19, Error ellipse: s-maj=85.5km s-min=13.7km az=62.0

NEIC 18 19:50:13.7;0.9,8.1;S;1.1;119.92E, h201km,10km,mb3.5/1, Error ellipse: s-maj=21.1km s-min=7.3km az=62.0

ISC 18 19:50:14.4;1.1,8.1;S;0.1;120.0E;0.1, h205km,12km, n24, c085/27,mb3.4/4, Flores region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s ISC. Rows include stations like KAPI, Kappang, KAPI, etc.

ISCJB 18 19:53:08.0;1.3,23.45S;0.09;180.0W;0.1, h548km,16km, mb4.0/9, Error ellipse: s-maj=21.1km s-min=13.9km az=165.8

IDC 18 19:53:08.4;2.2,23.37S;179.98W, h542km,47km,mb3.4/8, mb1 3.5/10, mb1mx3.2/22, mbtm3.3/10, Error ellipse: s-maj=34.4km s-min=21.5km az=36.0

NEIC 18 19:53:08.4;0.9,23.43S;179.94W, h542km,11km,mb4.0/2, Error ellipse: s-maj=14.8km s-min=13.5km az=217.0

ISC 18 19:53:08.6;1.3,23.45S;0.1;180.0W;0.1, h541km,15km, n26, c064/28,mb4.0/8,South of Fiji Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s ISC. Rows include stations like MSVF, Nonsavu, DZM, Mont Dzumac, etc.

Table with columns: ASAR, Alice Springs, 42.15 260, P, P, 20 00 13.8 -0.1, etc. Rows include stations like ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, etc.

ISCJB 18 20:25:13.4;3.3,6.6;S;0.3;115.8E;0.6, h530km,34km, mb3.8/8, Error ellipse: s-maj=99.5km s-min=12.9km az=150.3

IDC 18 20:25:13.8;4.2,6.70S;115.66E, h516km,43km,mb3.0/7, mb1 3.1/9, mb1mx3.0/21, mbtm3.0/7, Error ellipse: s-maj=99.1km s-min=12.3km az=60.0

NEIC 18 20:25:13.6;1.9,6.74S;115.63E, h516km,18km,mb3.6/3, Error ellipse: s-maj=52.5km s-min=7.6km az=60.0

ISC 18 20:25:13.4;3.0,6.85S;0.3;115.6E;0.5, h514km,30km, n23, c082/23,mb3.5/8,Bali Sea

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s ISC. Rows include stations like KAPI, Kappang, KAPI, etc.

IDC 18 20:25:45.4;1.4,5.1;25S;73.24W, h0km,mb4.0/7, mb1 4.0/9, mb1mx3.9/17, mbtm3.9/9, ML3.5/2, MS3.5/6, mb1 3.5/6, ms1mx3.2/38, Error ellipse: s-maj=53.3km s-min=16.7km az=90.0

ISCJB 18 20:25:49.0;2.6,5.1;27S;0.07;73.1W;0.3, h35km,21km, mb4.0/8, MS3.4/5, Error ellipse: s-maj=34.3km s-min=9.9km az=169.3

NEIC 18 20:25:52.1;2.3,5.1;30S;73.15W, h49km,18km,mb4.2/5, Error ellipse: s-maj=32.6km s-min=10.6km az=84.0

ISC 18 20:25:50.2;4.8,5.1;27S;0.07;73.3W;0.3, h34km,33km, n29, c115/25,mb4.0/8,MS3.4/5,Southern Chile

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s ISC. Rows include stations like USHA, Ushuaia, USHA, etc.

ISCJB 18 20:36:48.1;0.3,40.49N;0.02;42.40E;0.03, h10km, Error ellipse: s-maj=3.9km s-min=2.7km az=143.7

ISC 18 20:36:48.4, 40.47N;42.41E, h10km, MD3.2 CSEM 18 20:36:48.4, 40.3, 40.44N;42.37E, h2km, MD3.2, Error ellipse: s-maj=7.2km s-min=4.8km az=12.0

DDA 18 20:36:48.5, 40.43N;42.31E, h7km,4km, MD3.1 ISC 18 20:36:48.6;0.4,40.47N;0.02;42.38E;0.03, h0km,5km, n38, c110/58,Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s ISC. Rows include stations like KARS, Kars, KARS, etc.



Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like DDEM Demirkent, ERZM Erzurum, etc.

ISK 18 20:54:21.1, 39:93N, 39:76E, h5km, MD3.1
ISCJB 18 20:54:22.3, 0.4, 39:97N, 0:02:39:68E, 0:03, h10km, 4km,
Error ellipse: s-maj=4.0km s-min=3.6km az=35.6

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like ERZM Erzurum, KEMK Kemaliye, etc.

DJA 18 20:57:40.7, 23:79S, 178:02W, h306km, mb6.0/25
BUJ 18 20:57:38.5, 23:50S, 180:00E, h543km, mb5.3/28,
mb5.4/50
ISCJB 18 20:57:38.2, 0.5, 23:59S, 0:02:179:93E, 0:02, h538km, 6km,
mb5.3/184, Error ellipse: s-maj=4.0km s-min=3.0km
az=140.4

Plg31.0000°, Azm325 0000°; Data Used: II IU IC G CN.
SZGRF 18 20:57:40.7, 23:41S, 179:36W, h558km, South of Fiji
Islands

ISC 18 20:57:39.6, 0.5, 23:69S, 0:02:179:98E, 0:02, h546km, 5km,
h543km, 3.5km; p-P, n1144, 0:07:766, mb5.3/181,
226C-231D, South of Fiji Islands

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like RAO Raoul Island, MSVF Nonsavu, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like CTAO Charters Tower, PMOR Pomarioire Re, etc.

18d 20h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KMMI, GMJI, BLJI, KRKI, QSPA, etc.

2008 DEC

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like OSI, DECO, PASC, H09C, etc.

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



18d 20h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Rampart Ranch, Arkansas Junct, Bassoon Peak, White River, etc.

2008 DEC

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like M21A Separation Pea, H18A Shoshone NF, F17A Fitzpatrick Pl, etc.

750

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like G22A Birney, N26A Koester Ranch, L25A Engbrechtsen Ra, etc.









GLAT	Glass	70.26 345 eP	P	21 30 40.9 +0.1
425A	Indio Mountain	70.30 330 uP	P	21 30 40.3 -1.0
326A	Caldwell Ranch	70.34 331 uP	P	21 30 40.5 -0.9
CBN	Corbin	70.43 355 eP	P	21 30 42.1 +0.3
CBN	comp=Z,5um,20.0s,MS5.8	LR	LR	
BBTS	Babate	70.49 57 P	P	21 30 43.0 +0.3
BBTS	comp=Z,240nm,0.9s,mb5.1,baz=236,slow=3.1,SNR=30	S	S	21 39 51.2 -3.4
BBTS	comp=Z,7.3nm,0.3s,baz=84,slow=4.8,SNR=1.9	LR	LR	22 00 08.0
BBTS	comp=Z,18um,20.9s,MS6.3,baz=230,slow=35	LR	LR	
BBTS	Babate	70.49 57 P	P	21 30 43.0 +0.3
BBTS	comp=Z,18um,20.9s,MS6.3,baz=230,slow=35	S	S	21 39 51.2 -3.4
TIAR	Tiarei	70.60 261 eP	P	21 30 44.8 +1.3
PMOR	Pomario Rio	70.62 264 eP	P	21 30 44.8 +1.2
227A	Bennet, Jal	70.68 332 uP	P	21 30 43.3 -0.1
PARMO	Parma	70.74 345 eP	P	21 30 44.0 +0.2
PAE	Paea	70.75 261 eP	P	21 30 45.8 +1.4
PPT2	Papeete2	70.78 261 eP	P	21 30 46.2 +1.6
PPT2	comp=Z,256nm,1.2s,mb5.0	eS	S	21 39 57.2 -1.0
PPT2	comp=Z,8um,24.5s	eLR	LR	21 52 20.5
325A	Bean Ranch, Si	70.81 330 uP	P	21 30 43.3 -0.9
226A	Malaga, Loving	71.05 331 uP	P	21 30 46.1 +0.3
324A	Moseley Ranch,	71.08 330 uP	P	21 30 44.9 -1.1
MNTX	Cornudas Mount	71.26 330 uP	P	21 30 45.6 -1.4
MNTX	Cornudas Mount	71.26 330 eP	P	21 30 45.5 -1.5
MNTX	comp=Z,38nm,0.9s,mb5.3	LR	LR	
GD12	Guadalupe Moun	71.28 331 eP	P	21 30 48.6 +1.5
127A	Arkansas Junct	71.29 332 uP	P	21 30 46.3 -0.9
225A	Deer Hill, Car	71.39 331 uP	P	21 30 47.2 -0.5
WMOK	Wichita Mounta	71.46 337 eP	P	21 30 47.6 -0.6
WMOK	comp=Z,99nm,1.5s,mb5.5	LR	LR	
WMOK	Wichita Mounta	71.46 337 eP	P	21 30 47.6 -0.6
WMOK	comp=Z,99nm,1.5s,mb5.5	pmax	pmax	
WMOK	comp=Z,99nm,1.5s,mb5.5	MLR	MLR	
126A	Clayton Basin,	71.53 332 uP	P	21 30 48.1 -0.5
USIN	University of	71.56 347 eP	P	21 30 47.9 -0.8
WCI	Wyandotte Cave	71.56 348 eP	P	21 30 47.3 -1.3
WCI	Wyandotte Cave	71.56 348 eP	P	21 30 47.3 -1.4
SDMO	Soldier's Deli	71.59 356 eP	P	21 30 48.9 +0.1
TUL1	Tulsa	71.60 340 uP	P	21 30 47.7 -1.3
SIUC	Southern Illin	71.63 345 eP	P	21 30 48.7 -0.4
224A	Cornudas Mount	71.65 330 uP	P	21 30 48.2 -1.2
227A	Tatum	71.79 333 uP	P	21 30 49.5 -0.7
125A	Gardner Draw,	71.80 331 uP	P	21 30 48.8 -1.4
CPRX	Cap Rock	71.80 332 eP	P	21 30 49.5 -0.8
223A	Chaparral, Ant	71.97 329 uP	P	21 30 50.0 -1.3
226A	Caprock	72.06 332 uP	P	21 30 51.0 -0.7
MVL	Millersville	72.15 356 eP	P	21 30 52.5 +0.4
MSTX	Muleshoe	72.20 333 uP	P	21 30 51.8 -0.8
Y27A	Causey	72.28 333 uP	P	21 30 52.2 -0.8
320A	Kipp Ranch, An	72.33 327 uP	P	21 30 54.3 +0.8
222A	Williams Famil	72.35 329 uP	P	21 30 53.6 0.0
225A	Roswell	72.36 331 uP	P	21 30 53.5 -0.1
OLIL	Olney	72.39 347 eP	P	21 30 52.2 -1.4
CCM	Cathedral Cave	72.41 344 eP	P	21 30 53.0 -0.7
CCM	Cathedral Cave	72.41 344 eP	P	21 30 53.0 -0.8
123A	Bell Site, Whi	72.44 330 uP	P	21 30 54.5 +0.4
BLO	Bloomington	72.52 348 eP	P	21 30 53.0 -1.4
BLO	Bloomington	72.52 348 eP	P	21 30 53.0 -1.4
221A	Mesquite Ranch	72.57 328 uP	P	21 30 55.3 +0.5
Y26A	Elida	72.57 332 uP	P	21 30 54.5 -0.4
AMTX	Amarillo	72.61 334 uP	P	21 30 54.5 -0.5
AMTX	Amarillo	72.61 334 eP	P	21 30 54.9 -0.1
AMTX	comp=Z,85nm,1.0s,mb5.6	LR	LR	
224A	Sheepen Canyo	72.67 331 uP	P	21 30 55.6 +0.2
319A	Douglas	72.71 327 uP	P	21 30 55.3 -0.4
SLM	Saint Louis	72.74 345 eP	P	21 30 55.4 -0.3
SLM	Saint Louis	72.74 345 eP	P	21 30 55.4 -0.3
BRNJ	Basking Ridge	72.75 358 eP	P	21 30 56.0 +0.3
220A	Playas Peak,	72.81 328 uP	P	21 30 56.8 +0.5
122A	Conniff Cattle	72.81 329 uP	P	21 30 56.5 +0.2
SSPA	Standing Stone	72.88 355 eP	P	21 30 56.0 -0.5
Y25A	Mesa, Roswell	72.91 332 uP	P	21 30 55.9 -1.0
X27A	F and S Farms,	72.93 333 uP	P	21 30 56.7 -0.2
223A	Rita Site, Whi	72.97 330 uP	P	21 30 58.0 +0.8
ACSO	Alum Creek Sta	73.01 351 eP	P	21 30 55.5 -0.8
ACSO	comp=Z,138nm,0.9s,mb5.9	eS	S	21 40 21.8 -0.8
121A	Cookes Peak, D	73.02 329 uP	P	21 30 58.1 +0.6
PAL	Palisades	73.05 358 eP	P	21 30 58.1 +0.6
PAL	Palisades	73.05 358 eP	P	21 30 58.1 +0.6
318A	Bisbee	73.10 326 uP	P	21 30 58.1 0.0
X26A	CR and CF Fran	73.11 333 uP	P	21 30 58.1 0.0
Y24A	Capitan	73.22 331 uP	P	21 30 58.6 0.0
219A	White Tail Can	73.23 327 uP	P	21 30 59.0 +0.2
222A	Elephant Butte	73.28 330 uP	P	21 30 59.3 +0.3
W27A	Bowe Ranch, En	73.28 334 uP	P	21 30 58.5 -0.6
YLE	Yale	73.34 359 eP	P	21 30 59.6 +0.4

120A	U Bar Ranch, L	73.40 328 uP	P	21 31 00.0 +0.2
X25A	Clemmons Ranch	73.43 332 uP	P	21 30 58.9 -1.0
Y23A	Lovelace Mesa,	73.48 331 uP	P	21 30 03.3 -0.1
218A	Dragon	73.57 327 uP	P	21 31 00.7 -0.1
W26A	Owens Ranch, T	73.57 333 uP	P	21 31 00.8 0.0
Z21A	St. Cloud Mine	73.63 329 uP	P	21 31 01.4 +0.3
CER	Ceres	73.75 119 eP	P	21 31 03.0 +0.9
CER	comp=Z,27nm,1.7s,mb4.9	AMB	AMB	21 31 10.6
X24A	Lazy V Ranch,	73.77 331 uP	P	21 31 02.1 +0.2
Y22A	Teocorro	73.86 330 uP	P	21 31 02.6 +0.2
Z20A	Nine Sixteen R	73.86 328 uP	P	21 31 03.0 +0.5
BNM	Barren Site	73.90 330 eP	P	21 31 02.8 +0.1
BRYW	Bryant College	73.94 0 eP	P	21 31 03.5 +0.9
W25A	X Bar L Ranch,	73.95 333 uP	P	21 31 02.5 -0.5
Y22D	IRIS PASSCAL I	73.96 330 uP	P	21 31 03.6 +0.6
LIC	Lamto	73.97 72 uP	P	21 31 03.4 -0.2
LIC	comp=Z,491nm,1.1s,mb5.1,baz=239	eR	R	
LIC	comp=Z,22um,22.8s	LR	LR	
LIC	Lamto	73.97 72 uP	P	21 31 03.4 -0.2
LPM	Los Pinos Moun	74.04 330 eP	P	21 31 03.9 +0.4
LENM	Lemitar	74.06 330 eP	P	21 31 04.5 +0.8
KOMG	Komaggas	74.08 115 uP	P	21 31 04.6 +0.6
KOMG	comp=Z,237nm,2.7s,mb5.6	AMB	AMB	21 31 06.2
ALLY	Alegheny Cole	74.08 353 eP	P	21 31 02.8 -0.7
118A	Homack Ranch,	74.09 327 uP	P	21 31 03.9 +0.1
X23A	Hourglass Bar	74.09 331 eP	P	21 31 04.1 +0.3
TUC	Tucson	74.19 326 eP	P	21 31 04.5 +0.1
TUC	comp=Z,71nm,1.4s,mb5.4	LR	LR	
TUC	Tucson	74.19 326 eP	P	21 31 04.6 +0.2
TUC	comp=Z,71nm,1.4s,mb5.4	pmax	pmax	
TUC	comp=Z,71nm,1.4s,mb5.4	MLR	MLR	
V26A	Tequite Ra	74.20 333 uP	P	21 31 04.0 -0.5
Y21A	Point of Rocks	74.22 330 uP	P	21 31 05.2 +0.7
Z19A	T-Link Ranch,	74.32 328 uP	P	21 31 05.4 +0.2
BINY	Binghamton	74.32 357 eP	P	21 31 04.7 -0.3
BINY	comp=Z,161nm,1.5s,mb5.7	LR	LR	
W24A	Lazy B Ranch,	74.32 332 uP	P	21 31 05.1 0.0
LAZ	Ladron	74.33 330 eP	P	21 31 05.7 +0.5
X22A	Berardo	74.37 330 uP	P	21 31 06.6 +1.2
DBIC	Dimbokro	74.37 71 uP	P	21 31 06.0 0.0
DBIC	Dimbokro	74.37 71 uP	P	21 31 05.9 -0.1
DBIC	comp=Z,230nm,0.9s,mb6.1,baz=205,slow=6.5,SNR=133	S	S	21 40 39.9 +0.6
DBIC	comp=Z,3.4nm,1.0s,baz=295,slow=22,SNR=2.5	LR	LR	22 04 02.6
DBIC	comp=Z,10um,18.4s,MS6.2,baz=214,slow=36	LR	LR	
DBIC	Dimbokro	74.37 71 eP	P	21 31 05.9 0.0
DBIC	comp=Z,225nm,0.9s,mb6.1	S	S	21 40 39.9 +0.6
DBIC	Dimbokro	74.37 71 P	P	21 31 05.9 0.0
DBIC	comp=Z,230nm,0.9s	pmax	pmax	21 40 39.9 +0.7
DBIC	comp=N,3.0nm,1.0s	smax	smax	
DBIC	comp=Z,10um,18.4s	MLR	MLR	
HDIL	Hopedale	74.38 346 eP	P	21 31 04.8 -0.5
WES	Weston	74.40 0 eP	P	21 31 04.6 -0.8
WES	Weston	74.40 0 eP	P	21 31 04.6 -0.8
Y20A	Horse Springs,	74.44 329 uP	P	21 31 06.5 +0.6
Z18A	Geronimo	74.49 327 uP	P	21 31 06.2 +0.1
ANMO	Albuquerque	74.52 331 P	P	21 31 06.7 +0.4
ANMO	comp=Z,8.0nm,0.9s,mb4.7,baz=170,slow=7.7,SNR=18	S	S	21 40 42.1 +2.1
ANMO	comp=Z,0.7nm,0.3s,baz=237,slow=22,SNR=4.2	LR	LR	21 59 21.1
ANMO	Albuquerque	74.52 331 eP	P	21 31 06.2 -0.1
ANMO	comp=Z,11um,20.0s,MS6.2,baz=153,slow=32	S	S	21 40 42.1 +2.1
ANMO	Albuquerque	74.52 331 P	P	21 31 06.7 +0.4
ANMO	comp=Z,55nm,1.1s,mb5.4	S	S	21 40 42.1 +2.1
ANMO	Albuquerque	74.52 331 P	P	21 31 06.7 +0.4
ANMO	comp=Z,8.0nm,0.9s	pmax	pmax	21 40 42.1 +2.1
ANMO	comp=N,1.0nm,0.3s	smax	smax	
ANMO	comp=Z,11um,20.0s	MLR	MLR	
ERPA	Erie	74.53 354 PFAKE	LR	21 31 20.0 +14
ERPA	comp=Z,4um,20.0s,MS5.7	LR	LR	
Y25A	Rancho No Teng	74.56 333 uP	P	21 31 06.5 0.0
W23A	Werner Place,	74.58 331 uP	P	21 31 07.2 +0.6
MAW	Mawson	74.64 164 P	P	21 31 06.1 -0.6
MAW	comp=Z,57nm,1.0s,mb5.4,baz=230,slow=7.2,SNR=19	S	S	21 40 38.5 -2.1
MAW	comp=Z,2.2nm,0.8s,baz=332,slow=22,SNR=1.9	LR	LR	22 06 25.4
MAW	comp=Z,22um,18.9s,MS6.5,baz=226,slow=38	LR	LR	
MAW	Mawson	74.64 164 eP	P	21 31 05.7 -0.9
MAW	comp=Z,21nm,1.0s,mb5.0	S	S	21 40 38.5 -2.1
MAW	Mawson	74.64 164 P	P	21 31 06.1 -0.5
MAW	comp=Z,57nm,1.0s	pmax	pmax	21 40 38.5 -2.2
MAW	comp=N,2.0nm,0.8s	smax	smax	
X21A	Alamocita Cree	74.65 330 uP	P	21 31 07.8 +0.8
U26A	Atchley Ranch,	74.72 334 uP	P	21 31 06.9 -0.4
V24A	Rampart Ranch,	74.72 332 uP	P	21 31 07.4 0.0
TRY	Troy	74.77 358 eP	P	21 31 07.7 +0.1
W22A	Albuquerque	74.80 331 eP	P	21 31 08.3 +0.4
KSU1	Kansas State U	74.80 340 uP	P	21 31 06.7 -1.1
KSU1	comp=Z,19nm,0.6s,mb5.2	LR	LR	
Z17A	San Carlos Hig	74.87 327 uP	P	21 31 08.2 -0.2
Y19A	Nutrosio	74.87 328 uP	P	21 31 09.2 +0.9
214A	Oregon Pipe Nat	74.88 325 uP	P	21 31 08.9 +0.5
U25A	Circle Dot Ran	74.97 333 uP	P	21 31 09.1 +0.3

CVNA	Calvinia	74.99 118 uP	P	21 31 10.2 +0.8
CVNA	comp=Z,285nm,2.6s,mb5.7	AMB	AMB	21 31 11.6
X20A	Quemado	75.03 329 uP	P	21 31 09.9 +0.6
Y18A	Canyon Day Jun	75.07 328 uP	P	21 31 09.8 +0.3
V23A	Ortiz Mt. Nfj	75.10 332 uP	P	21 31 10.2 +0.6
AAM	Ann Arbor	75.13 351 eP	P	21 31 11.3 +1.7
AAM	comp=Z,5um,20.0s,MS5.8	LR	LR	
AAM	Ann Arbor	75.13 351 eP	P	21 31 11.3 +1.7
AAM	comp=Z,7.7nm,1.0s,mb5.6	pmax	pmax	
AAM	comp=Z,5um,20.0s,MS5.8	MLR	MLR	
W21A	San Fidel	75.16 330 uP	P	21 31 10.7 +0.7
X19A	St. Johns	75.28 329 uP	P	21 31 11.5 +0.7
U24A	Morono Valley	75.32 333 uP	P	21 31 11.1 +0.3
SUR	Sutherland	75.34 119 eP	P	21 31 12.3 +1.0
SUR	comp=Z,166nm,2.8s,mb5.5	AMB	AMB	21 31 13.8
SUR	comp=Z,89nm,0.9s,mb5.7,baz=251,slow=3.7,SNR=0.3	S	S	21 31 11.3 0.0
SUR	comp=Z,8.8nm,1.2s,baz=49,slow=16,SNR=2.4	S	S	21 40 51.2 +1.5
SUR	comp=Z,11um,19.5s,MS6.2,baz=242,slow=34	LR	LR	22 02 46.1
SUR	Sutherland	75.34 119 P	P	21 31 11.3 0.0
SUR	comp=Z,197nm,1.3s,mb5.9	S	S	21 40 51.2 +1.5
Y17A	Roosevelt	75.37 327 uP	P	21 31 11.2 -0.1
ACCN	Aronodack Com	75.42 358 eP	P	21 31 12.0 +0.7
FFD	Franklin Falls	75.49 0 eP	P	21 31 11.7 +0.1
CBKS	Cedar Bluff	75.49 338 uP	P	21 31 11.5 -0.3
CBKS	Cedar Bluff	75.49 338 eP	P	21 31 11.5 -0.3

V17A	comp=Z,74nm,0.9s,mb5.6	76.95 328	↑P	P	21 31 20.8 +0.6
MSNY	baz=77,SNR=22	77.07 358	eP	P	21 31 20.4 -0.2
R23A	comp=Z,694nm,0.9s,mb5.6	77.08 333	↑P	P	21 31 21.2 +0.4
SADO	baz=78,SNR=12	77.09 355	P	P	21 31 20.1 -0.6
SADO	comp=Z,58nm,0.9s,mb5.5,slow=193,slow=4.0,SNR=19			P	21 41 09.1 +1.3
SADO	comp=Z,3.4nm,0.8s,baz=308,slow=17,SNR=2.1			LR	22 08 43.6
SADO	comp=Z,5um,20.3s,MSS,8,baz=178,slow=38			S	21 31 20.1 -0.6
SADO	Sadowa	77.09 335	S	P	21 41 09.2 +1.3
S22A	4UR Ranch, Cre	77.09 332	↑P	P	21 31 21.1 +0.2
DVTC	Desert V Tower	77.09 323	↑P	P	21 31 21.8 +0.7
Q25A	Bedland, Calha	77.13 334	↑P	P	21 31 21.1 +0.1
WUAZ	Wupatki	77.13 328	eP	P	21 31 21.4 +0.2
WUAZ	Wupatki	77.13 328	eP	P	21 31 21.8 +0.6
WUAZ	comp=Z,72nm,1.0s,mb5.6			LR	
SWSC	comp=Z,4um,19.0s,MSS,8	77.16 323	↑P	P	21 31 21.5 +0.1
Y12C	Blythe	77.17 324	↑P	P	21 31 21.8 +0.3
T19A	Beclabito	77.20 330	↑P	P	21 31 21.8 +0.3
U18A	Rough Rock, Ch	77.22 329	↑P	P	21 31 22.3 +0.6
MVCO	Mesa Verde	77.31 331	eP	P	21 31 22.6 +0.5
MVCO	comp=Z,69nm,1.1s,mb5.5			LR	
PKME	Peaks-Kenny Pk	77.31 2	eP	P	21 31 21.7 -0.2
PKME	comp=Z,133nm,1.0s,mb5.8			LR	
BGNE	Begrade	77.38 340	↑P	P	21 31 21.5 -0.9
BAR	Barrett	77.40 322	eP	P	21 31 23.4 +0.6
S21A	Coal Bank Pass	77.40 331	↑P	P	21 31 23.1 +0.5
RAR	Rarotonga	77.42 253	LR	LR	21 57 07.0
PDMCJ	Parker Dam,Lak	77.43 325	↑P	P	21 31 22.7 -0.1
R22A	Saguache, Gunn	77.48 332	↑P	P	21 31 23.7 +0.6
Q24A	Divide	77.50 334	↑P	P	21 31 23.9 +0.7
U16A	Tuba City	77.54 328	↑P	P	21 31 23.8 +0.3
P25A	Willow Gulch B	77.63 335	↑P	P	21 31 24.8 +0.9
Q23A	Hartsel	77.71 333	↑P	P	21 31 25.0 +0.7
U17A	Shonto	77.71 329	↑P	P	21 31 24.5 +0.1
GLMI	Grayling	77.74 351	eP	P	21 31 24.3 -0.1
GLMI	comp=Z,6um,21.0s,MSS,9			LR	
S20A	Disappointment	77.78 331	↑P	P	21 31 24.9 +0.2
109C	Camp Elliot, M	77.79 322	↑P	P	21 31 24.8 -0.1
IRM	Iron Mountain	77.81 324	↑P	P	21 31 24.8 -0.2
T18A	Mexican Hat	77.82 330	↑P	P	21 31 25.5 +0.5
P24A	Kohler Place,	77.90 334	↑P	P	21 31 26.2 +0.8
R21A	Cimarron	77.91 332	↑P	P	21 31 25.8 +0.4
W13A	Hualapai Mount	77.95 326	↑P	P	21 31 26.5 +0.7
O26A	Horse Wrangler	77.97 336	↑P	P	21 31 26.4 +0.6
PFO	Pinyon Flat Ob	78.02 323	↑P	P	21 31 26.6 +0.4
PFO	Pinyon Flat Ob	78.02 323	eP	P	21 31 27.4 +1.1
PFO	comp=Z,8um,21.0s,MSS,6			LR	
PFO	Pinyon Flat Ob	78.02 323	eP	P	21 31 27.4 +1.2
PFO	comp=Z,104nm,1.3s,mb5.6			MLR	
PFO	comp=Z,8um,21.0s,MSS,6			MLR	
S19A	Harvey Farm, M	78.03 330	↑P	P	21 31 26.3 +0.2
NEE2	Needles Airpor	78.03 325	↑P	P	21 31 26.5 +0.2
Q22A	Crested Butte,	78.09 333	↑P	P	21 31 27.2 +0.7
R20A	Redvale	78.09 331	↑P	P	21 31 26.9 +0.5
T17A	Navajo Res., N	78.11 329	↑P	P	21 31 27.8 +1.2
P23A	Jefferson	78.12 334	↑P	P	21 31 26.8 +0.2
PV01	Paradox Valley	78.12 331	eP	P	21 31 27.2 +0.5
PKA	Prieska	78.13 118	↑P	P	21 31 27.2 0.0
PKA	comp=Z,3um,1.0s,mb7.2			AMB	21 31 29.4
O25A	Wiggins	78.14 335	↑P	P	21 31 27.5 +0.8
OGNE	Ogallala	78.17 337	↑P	P	21 31 27.2 +0.4
OGNE	Ogallala	78.17 337	eP	P	21 31 28.0 +1.2
OGNE	comp=Z,48nm,0.9s,mb5.4			LR	
Q21A	Lamborn Mesa,	78.32 332	↑P	P	21 31 28.3 +0.6
S18A	Hurst Farm, BI	78.34 330	↑P	P	21 31 28.6 +0.8
DRV	Dumont d'Urviel	78.34 192	P	P	21 31 27.0 -0.6
DRV	21 41 25.0 +3.8			S	
DRV	21 46 32.0 +9.2			SS	
SMCO	Snowmass	78.38 333	eP	P	21 31 29.0 +0.9
MURC	Murrieta	78.40 323	↑P	P	21 31 29.0 +0.7
ISCO	Idaho Springs	78.41 334	↑P	P	21 31 28.5 +0.3
ISCO	Idaho Springs	78.41 334	eP	P	21 31 28.5 +0.3
ISCO	comp=Z,4um,19.0s,MSS,8			LR	
ISCO	Idaho Springs	78.41 334	eP	P	21 31 28.5 +0.3
ISCO	comp=Z,79nm,1.3s,mb5.5			MLR	
PV04	Paradox Valley	78.48 331	eP	P	21 31 31.1 +2.5
O24A	Longmont	78.49 334	↑P	P	21 31 29.4 +0.8
LDFC	Landfair	78.52 325	eP	P	21 31 29.4 +0.4
R19A	Curley Farm, L	78.54 331	↑P	P	21 31 28.8 -0.2
S17A	Black Ridge (B	78.64 329	↑P	P	21 31 29.9 +0.4
SOE	Somerset East	78.65 121	eP	P	21 31 29.8 -0.2
SOE	comp=Z,224nm,2.7s,mb5.6			AMB	21 31 31.6
P22A	Eagle	78.66 333	↑P	P	21 31 30.1 +0.5
Q20A	Ridgley Place,	78.71 332	↑P	P	21 31 30.4 +0.5
N25A	Grover	78.75 335	↑P	P	21 31 31.0 +1.0
POI	Presque Isle	78.76 3	eP	P	21 31 29.0 -0.9
B21C	Big Bear Solar	78.78 323	↑P	P	21 31 31.4 +1.0
BBRC	Newcastle	78.87 333	↑P	P	21 31 31.5 +0.7
CIS	Catalina Islan	78.87 322	↑P	P	21 31 32.1 +1.2

O23A	Lake Granby, G	78.88 334	↑P	P	21 31 31.2 +0.4
R18A	Canyonlands Na	78.89 330	↑P	P	21 31 31.3 +0.4
HEC	Hector,Ludlow	78.93 324	↑P	P	21 31 31.7 +0.5
GRM	Grahamstown	79.01 122	↑P	P	21 31 31.8 -0.2
GRM	comp=Z,317nm,2.6s,mb5.8			AMB	21 31 33.1
N24A	Car	79.04 335	↑P	P	21 31 32.1 +0.4
FMP	Fort Macarthur	79.05 322	↑P	P	21 31 32.2 +0.3
S16A	Wagner Ranch,	79.06 329	↑P	P	21 31 32.1 +0.2
O22A	Kremmling	79.07 333	↑P	P	21 31 32.2 +0.4
Q19A	Hogan Spring	79.11 331	↑P	P	21 31 32.4 +0.3
ECSD	EROS Data Cent	79.11 342	eP	P	21 31 31.2 -0.7
ECSD	comp=Z,93nm,1.0s,mb5.7			LR	21 41 30.4 +0.8
BFSC	Mount Baldy Ra	79.13 323	↑P	P	21 31 32.7 +0.4
TUQ	Turquoise Moun	79.21 325	↑P	P	21 31 33.8 +1.1
P20A	De Beque	79.22 332	↑P	P	21 31 33.1 +0.5
R17A	Hanksville Air	79.26 330	↑P	P	21 31 32.9 0.0
L27A	15 Ranch, Ellis	79.28 337	↑P	P	21 31 33.3 +0.4
M25A	Palm-Egij Farm	79.29 336	↑P	P	21 31 33.3 +0.3
RRR	Edison Barstow	79.30 323	↑P	P	21 31 33.5 +0.2
MWC	Mount Wilson	79.33 322	eP	P	21 31 34.5 +1.1
MWC	comp=Z,102nm,1.3s,mb5.6			P	21 31 34.5 +1.1
PASC	Pasadena Art C	79.35 322	eP	P	21 31 34.4 +0.9
TSUM	Tsumeb	79.36 106	eP	P	21 31 34.0 0.0
TSUM	comp=Z,120nm,1.0s,mb5.8			LR	
O21A	Pagoda	79.47 333	↑P	P	21 31 35.0 +1.0
R16A	Teasdale	79.48 329	↑P	P	21 31 34.2 +0.1
N23A	Red Feather La	79.49 334	↑P	P	21 31 34.2 +0.2
DECC	Green Verdugo	79.49 327	↑P	P	21 31 34.7 +0.5
L26A	Underwood Farm	79.49 332	↑P	P	21 31 34.6 +0.5
GSC	Goldstone	79.54 324	↑P	P	21 31 34.9 +0.4
GSC	Goldstone	79.54 324	eP	P	21 31 34.8 +0.3
GSC	Goldstone	79.54 324	eP	P	21 31 34.8 +0.3
GSC	comp=Z,62nm,1.2s,mb5.4			P	21 31 34.8 +0.3
P19A	Cripple Cowboy	79.57 332	↑P	P	21 31 34.6 +0.1
M24A	Cheyenne	79.59 335	↑P	P	21 31 35.3 +0.7
Q18A	Rafter H Ranch	79.59 331	↑P	P	21 31 34.3 -0.3
SPMN	St. Paul	79.59 345	↑P	P	21 31 33.7 -0.8
N22A	Wattenberg Ran	79.60 334	↑P	P	21 31 34.6 -0.1
PHWY	Pilot Hill	79.67 335	eP	P	21 31 35.7 +0.6
O20A	White River Ci	79.70 332	↑P	P	21 31 35.0 -0.3
CCUT	Cedar City	79.71 328	eP	P	21 31 36.5 +1.2
SHOC	Shoshone	79.75 325	↑P	P	21 31 35.3 -0.3
SRU	San Rafael	79.76 330	eP	P	21 31 36.0 +0.4
SRU	San Rafael	79.76 330	eP	P	21 31 36.0 +0.4
SRU	comp=Z,66nm,1.2s,mb5.4			P	21 31 36.0 +0.4
BLG	Laguna Peak	79.76 322	↑P	P	21 31 34.9 -0.8
R15A	Junction	79.76 329	↑P	P	21 31 36.1 +0.5
EDW2	Edwards Air Fo	79.80 323	↑P	P	21 31 36.1 +0.1
K27A	Flueckinger Fa	79.81 338	↑P	P	21 31 36.1 +0.2
Q16A	Castle Valley	79.87 330	↑P	P	21 31 36.4 +0.1
L25A	Engelbretsen Ra	79.90 336	↑P	P	21 31 36.7 +0.5
M23A	Laramie	79.91 335	↑P	P	21 31 36.8 +0.4
N21A	Black Mountain	79.96 333	↑P	P	21 31 37.5 +0.9
MSU	Marysval	79.97 329	eP	P	21 31 37.3 +0.6
MSU	Marysval	79.97 329	eP	P	21 31 37.3 +0.5
MSU	comp=Z,47nm,1.1s,mb5.3			P	21 31 37.3 +0.5
BSC	San Cruz Isl	79.97 321	↑P	P	21 31 37.2 +0.3
OSI	Osito Adit	79.97 322	↑P	P	21 31 36.8 -0.1
OSI	Osito Adit	79.97 322	eP	P	21 31 37.5 +0.6
P18A	Preston Nutter	80.08 331	↑P	P	21 31 37.7 +0.4
K26A	Motz Farm, Whi	80.12 337	↑P	P	21 31 37.8 +0.3
LRMC	Laurel Mountai	80.12 323	↑P	P	21 31 37.4 -0.3
L24A	Wheatland	80.13 336	↑P	P	21 31 37.5 -0.1
P17A	Butcher Ranch,	80.16 330	↑P	P	21 31 37.8 0.0
M22A	Cedar Creek Ra	80.17 334	↑P	P	21 31 38.4 +0.6
O19A	Miners Draw (B	80.19 332	↑P	P	21 31 37.9 -0.1
TMUT	Trail Mountain	80.20 330	eP	P	21 31 39.0 +0.9
K25A	Black Ranch, Ha	80.27 336	↑P	P	21 31 38.7 +0.5
N20A	Spence Gulch,	80.31 333	↑P	P	21 31 38.8 +0.2
SBC	Santa Barbara	80.36 321	↑P	P	21 31 40.1 +1.2
BRSD	Miller	80.40 341	↑P	P	21 31 38.3 -0.7
ARVC	Arvin	80.43 322	↑P	P	21 31 39.7 +0.3
L23A	Garrett	80.47 335	↑P	P	21 31 39.5 +0.2
MPMC	Manual Prospec	80.48 324	↑P	P	21 31 39.9 +0.4
FURC	Furze Creek,	80.49 325	↑P	P	21 31 39.4 -0.2
R13A	O'Grain Ranch,	80.50 327	↑P	P	21 31 40.1 +0.5
O18A	Roosevelt	80.52 331	↑P	P	21 31 40.0 +0.3
BOSA	Boshof	80.55 118	↑P	P	21 31 39.9 -0.5
BOSA	Boshof	80.55 118	↑P	P	21 31 41.6
BOSA	comp=Z,214nm,2.7s,mb5.6			P	21 31 39.9 -0.5
BOSA					

Table with columns: Call Sign, Name, Frequency, Power, and other details. Includes entries like M15A Larsen Ranch, K18A Toitan Ranch, L16A Fish Haven, etc.

Table with columns: Call Sign, Name, Frequency, Power, and other details. Includes entries like I16A Newdale, E23A Ismay, F21A Abaokola Mine, etc.

Table with columns: Call Sign, Name, Frequency, Power, and other details. Includes entries like C21A Desert Coulee, D19A Cripps Ranch, B12A Reddig Ranch S, etc.











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SAN	Santiago	1.46	131	IP	Pn	21	26	55.4	-0.1
SAN	Santiago	1.46	131	IP	Sn	21	27	14.0	-0.1
SAN	Santiago	1.46	131	IP	Pn	21	26	55.4	-0.1
SAN	Santiago	1.46	131	IP	Sn	21	27	14.0	-0.1
CLCH	Cerro Calan	1.51	127	IP	Pn	21	26	56.2	+0.1
CLCH	Cerro Calan	1.51	127	IP	Sn	21	27	15.8	+0.3
CLCH	Cerro Calan	1.51	127	IP	AML	21	27	19.3	
comp=N,21um,0.6s									
ANTU	Antumapu	1.56	134	IP	Pn	21	26	57.1	+0.4
ANTU	Antumapu	1.56	134	IP	Sn	21	27	17.0	+0.6
ANTU	Antumapu	1.56	134	IP	Pn	21	26	57.1	+0.4
ANTU	Antumapu	1.56	134	IP	Sn	21	27	17.0	+0.6
ANTU	Antumapu	1.56	134	IP	AML	21	27	23.2	
comp=N,16um,0.5s									
CMCH	Combarbala	1.56	33	IP	Pn	21	26	57.2	+0.4
CMCH	Combarbala	1.56	33	IP	Sn	21	26	57.2	+0.4
CMCH	Combarbala	1.56	33	IP	Pn	21	26	57.2	+0.4
CMCH	Combarbala	1.56	33	IP	Sn	21	26	57.2	+0.4
FSR	Penalolen	1.56	129	IP	Pn	21	26	57.1	+0.2
FSR	Penalolen	1.56	129	IP	Sn	21	26	57.1	+0.2
FSR	Penalolen	1.56	129	IP	Pn	21	26	57.1	+0.2
FSR	Penalolen	1.56	129	IP	Sn	21	26	57.1	+0.2
FCH	Farellones	1.65	121	IP	Px	21	25	56.4	
FCH	Farellones	1.65	121	IP	Sx	21	26	18.3	
FCH	Farellones	1.65	121	IP	Px	21	25	56.4	
FCH	Farellones	1.65	121	IP	Sx	21	26	18.3	
FCH	Farellones	1.65	121	IP	AML	21	26	23.6	
comp=N,10um,0.4s									
LMEL	Las Melosas	2.01	133	IP	Pn	21	27	20.4	+1.0
LMEL	Las Melosas	2.01	133	IP	Sn	21	27	28.9	+1.4
LMEL	Las Melosas	2.01	133	IP	Pn	21	27	20.4	+1.0
LMEL	Las Melosas	2.01	133	IP	Sn	21	27	28.9	+1.4
LMEL	Las Melosas	2.01	133	IP	AML	21	27	35.1	
comp=N,9um,0.7s									
CFAA	Coronel Fontan	3.30	75	Pn	Pn	21	27	21.0	+0.3
baz=208,slow=18,SNR=1.0									
CFAA	Coronel Fontan	3.30	75	Pn	Lg	21	28	20.5	
baz=309,slow=23,SNR=1.7									
LPAZ	La Paz	16.51	13	Pn	Pn	21	30	21.6	+0.9
comp=N,0.3nm,0.3s,baz=210,slow=16,SNR=1.9									
LPZ	La Paz	16.51	13	Pn	Pn	21	30	21.6	+0.9
JATS	JuntasAbangare	44.31	342	Lr	Lr	21	50	18.4	
comp=N,11um,21.9s,MSS=8,baz=246,slow=32									
SNA	Sanae	52.96	158	P	P	21	35	45.0	+0.2
comp=N,1.2nm,0.5s,m4=6,baz=276,slow=8.5,SNR=6.5									
SNA	Sanae	52.96	158	eP	P	21	35	45.0	+0.2
comp=N,9.7nm,0.9s,m4=7									
SNA	Sanae	52.96	158	eP	P	21	35	45.0	+0.2
comp=N,7um,18.6s,MSS=8,baz=294,slow=33									
TEIG	Teipich	54.69	341	Lr	Lr	21	56	19.5	
comp=N,11nm,0.6s,m5=0,baz=203,slow=5.6,SNR=11									
QSPA	South Pole Qui	57.74	180	P	P	21	36	19.9	+0.1
comp=N,6.0nm,0.7s,m4=8,baz=207,slow=5.0,SNR=4.4									
QSPA	South Pole Qui	57.74	180	eP	P	21	36	19.9	+0.1
comp=N,14nm,1.1s,m4=9									
DBIC	Dimbokro	74.65	72	P	P	21	38	07.8	-0.8
comp=N,11nm,0.6s,m5=0,baz=203,slow=5.6,SNR=11									
BOSA	Boshof	80.73	118	P	P	21	38	42.0	-0.3
comp=N,6.8nm,0.9s,m4=6,baz=241,slow=5.8,SNR=6.2									
LBTB	Lobatse	82.89	115	P	P	21	38	52.1	-1.6
comp=N,5.5nm,0.8s,m4=6,baz=302,slow=9.9,SNR=6.5									
TORD	Torodi Ar. Bea	83.65	70	P	P	21	38	56.8	-0.9
comp=N,9.2nm,0.8s,m4=9,baz=241,slow=3.9,SNR=7.6									
ULM	Lac du Bonnet	85.06	345	Lr	Lr	21	28	14.8	
comp=N,4um,19.7s,MSS=8,baz=146,slow=34									
BVAR	Borovyoy Array	146.13	41	PKPbc	PKPbc	21	46	08.6	+0.2
comp=N,5.8nm,0.7s,baz=283,slow=2,SNR=6.8									
KURK	Kurchatov	151.73	41	PKPbc	PKPbc	21	46	22.5	-0.3
comp=N,4.6nm,0.6s,baz=301,slow=3.0,SNR=6.8									
ZALV	Zalesovo Beam	152.92	31	PKPbc	PKPbc	21	46	24.8	-0.6
comp=N,4.7nm,0.6s,baz=320,slow=2.9,SNR=8.6									
MKAR	Makanchi Array	155.72	47	PKPab	PKPab	21	46	48.3	-0.5
comp=N,3.7nm,0.7s,baz=277,slow=3.2,SNR=8.5									

ISCJB 18 21:40:53.8-1.1, 32.50S:0.03:72.06W:0.07, h17km,6km, mb3.9/2, Error ellipse: s-maj=9.4km s-min=5.1km az=171.3

2008 DEC										
Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res	h	s	ISC
LPAZ	La Paz	16.51	13	Pn	Pn	21	44	47.3	+1.2	
DBIC	Dimbokro	74.65	72	P	P	21	52	33.7	-0.5	
comp=N,1.3nm,0.7s,m4=0,baz=234,slow=4.8,SNR=3.2										
DBIC	Dimbokro	74.65	72	P	P	21	52	33.7	-0.5	
TORD	Torodi Ar. Bea	83.65	70	P	P	21	53	22.8	-0.5	
comp=N,0.5nm,0.7s,m3=8,baz=278,slow=5.0,SNR=3.5										
TORD	Torodi Ar. Bea	83.65	70	P	P	21	53	22.8	-0.5	
ZALV	Zalesovo Beam	152.92	31	PKPbc	PKPbc	22	00	53.6	+2.5	
comp=N,0.3nm,0.3s,baz=321,slow=3.7,SNR=3.7										
MKAR	Makanchi Array	155.72	47	PKPab	PKPab	22	01	14.4	0.0	
comp=N,0.2nm,0.6s,baz=287,slow=4.0,SNR=3.2										
MKAR	Makanchi Array	155.72	47	PKPab	PKPab	22	01	14.4	0.0	
comp=N,0.2nm,0.7s,baz=277,slow=3.2,SNR=8.5										
CSEM 18 21:41:32.5-0.2, 39.22N:25.99E, h10km, MD3.0, Error ellipse: s-maj=5.2km s-min=4km az=78.0										
ISCJB 18 21:41:32.5-0.6, 39.24N:0.02:26.03E:0.04, h7km,6km, Error ellipse: s-maj=5.4km s-min=3.5km az=167.7										
ATH 18 21:41:32.4, 39.25N:26.10E, h18km, MD3.0/4										
NEIC 18 21:41:32.7, 39.25N:26.12E, h7km, MD3.1(ISK), After ISK										
DDA 18 21:41:33.6, 39.27N:26.08E, h5km, Md2.9										
ISK 18 21:41:33.2, 39.26N:26.14E, h9km, MD3.0										
ISC 18 21:41:33.2-0.5, 39.24N:0.02:26.05E:0.04, h9km,3km, n4, -0.948/87, Turkey										
Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res	h	s	ISC
PRK	Paraskevi	0.17	88	eP	Pg	21	41	36.4	-0.4	
PRK	Paraskevi	0.17	88	eP	Sg	21	41	39.5	+0.2	
PRK	Paraskevi	0.17	88	eP	Pg	21	41	36.4	-0.4	
PRK	Paraskevi	0.17	88	eP	Sg	21	41	39.5	+0.2	
AYVA	Ayvalik	0.50	82	IP	Sg	21	41	50.1	+0.6	
AYVA	Ayvalik	0.50	82	IP	Sg	21	41	42.4	-0.5	
AYVA	Ayvalik	0.50	82	IP	Pg	21	41	50.1	+0.6	
AYVA	Ayvalik	0.50	82	IP	Pg	21	41	42.4	-0.5	
BOZC	Bozcaada	0.60	0	IP	Sg	21	41	44.1	-0.7	
BOZC	Bozcaada	0.60	0	IP	Sg	21	41	53.3	+0.6	
EZN	Ezine	0.62	20	eP	Sg	21	41	53.7	+0.3	
EZN	Ezine	0.62	20	eP	Sg	21	41	44.8	-0.5	
EZN	Ezine	0.62	20	eP	Sg	21	41	44.8	-0.5	
EZN	Ezine	0.62	20	eP	Sg	21	41	53.7	+0.3	
CHOS	Chios island	0.85	180	eP	Pg	21	41	48.8	-0.8	
CHOS	Chios island	0.85	180	eP	Sg	21	41	48.8	-0.8	
CHOS	Chios island	0.85	180	eP	Pg	21	41	48.8	-0.8	
CHOS	Chios island	0.85	180	eP	Sg	21	41	48.8	-0.8	
CHOS	Chios island	0.85	180	eP	AML	21	42	01.2	+0.6	
LIA	Limnos Island	0.94	315	eP	Pg	21	41	50.9	-0.3	
LIA	Limnos Island	0.94	315	eP	Sg	21	42	03.8	+0.3	
LIA	Limnos Island	0.94	315	eP	Pg	21	42	03.8	+0.3	
LIA	Limnos Island	0.94	315	eP	Sg	21	41	55.4	-0.6	
BLBC	Balcova	1.15	137	eP	Pn	21	41	54.8	-0.6	
BLBC	Balcova	1.15	137	eP	Pn	21	41	54.8	-0.6	
BLBC	Balcova	1.15	137	eP	Pn	21	41	54.8	-0.6	
BLBC	Balcova	1.15	137	eP	Pn	21	41	54.8	-0.6	
BLBC	Balcova	1.15	137	eP	AML	21	42	10.9	-0.4	
GELI	Tayfur-Gelibol	1.20	16	eP	Pn	21	41	56.0	-0.1	
GELI	Tayfur-Gelibol	1.20	16	eP	Sg	21	42	12.6	+0.1	
GELI	Tayfur-Gelibol	1.20	16	eP	Pn	21	41	55.4	-0.7	
GELI	Tayfur-Gelibol	1.20	16	eP	Sg	21	42	12.6	+0.1	
GELI	Tayfur-Gelibol	1.20	16	eP	Sg	21	42	12.6	+0.1	
GELI	Tayfur-Gelibol	1.20	16	eP	Sg	21	41	56.0	-0.1	
GELI	Tayfur-Gelibol	1.20	16	eP	Sg	21	42	12.6	+0.1	
GELI	Tayfur-Gelibol	1.20	16	eP	Sg	21	41	55.4	-0.7	
GELI	Tayfur-Gelibol	1.20	16	eP	Sg	21	42	12.6	+0.1	
GELI	Tayfur-Gelibol	1.20	16	eP	Sg	21	42	12.6	+0.1	
GELI	Tayfur-Gelibol	1.20	16	eP	Sg	21	41	56.0	-0.1	
GELI	Tayfur-Gelibol	1.20	16	eP	Sg	21	42	12.6	+0.1	
GELI	Tayfur-Gelibol	1.20	16	eP	Sg	21	41	55.4	-0.7	
GELI	Tayfur-Gelibol	1.20	16	eP	Sg	21	42	12.6	+0.1	
GELI	Tayfur-Gelibol	1.20	16	eP	Sg	21	42	12.6	+0.1	
GELI	Tayfur-Gelibol	1.20	16	eP	Sg	21	41	56.0	-0.1	
GELI	Tayfur-Gelibol	1.20	16	eP	Sg	21	42	12.6	+0.1	
GELI	Tayfur-Gelibol	1.20	16	eP	Sg	21	41	55.4	-0.7	
GELI	Tayfur-Gelibol	1.20	16	eP	Sg	21	42	12.6	+0.1	
GELI	Tayfur-Gelibol	1.20	16	eP	Sg	21	42	12.6	+0.1	
GELI	Tayfur-Gelibol	1.20	16	eP	Sg	21	41	56.0	-0.1	
GELI	Tayfur-Gelibol	1.20	16	eP	Sg	21	42	12.6	+0.1	
GELI	Tayfur-Gelibol	1.20	16	eP						



Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like SNA, CMIG, CMIG, CMIG, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like PPT2, PPT2, PPT2, PPT2, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like DBIC, DBIC, DBIC, DBIC, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like R26A Arlington, Z13A Yuma Proving G, S24A Houchens Ranch, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like LDFC Landfair, R19A Curley Farm, S17A Black Ridge (B), etc.

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like P16A Fountain Green, ISA Isabella, ISA Isabella, etc.





18d 21h

Table with columns for station name, frequency, power, and other technical details. Includes stations like San Pablo, Braganca, Sonseca Array, etc.

2008 DEC

Table with columns for station name, frequency, power, and other technical details. Includes stations like LOR Lormes, BNI Bardonecchia, LPL La Plagne, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like HFS HFS, HFS HFS, DRGR, etc.





Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Rinconada Maip, Talagante, Antumapu, Combarbala, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like FIZT, WRA, ASAR, MKAR, DJA, TTSI, SPSI, LUWI, IHA, ROCH, LCH, JACH, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ROCH, PTCH, WRA, LCH, JACH, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Instituto Hidr, Los Chungos, Petorca, El Roble, Las Cruces, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JAHUEL, Peidehue, Rinconada Maip, Talagante, Santiago, Cerro Calan, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Mounakaki, Kokoho, Mangahewa, Kapu Kidnapper, etc.









Table of astronomical observations for 19d Oh, listing station names, coordinates, and observation details.

Table of astronomical observations for 2008 DEC, listing station names, coordinates, and observation details.

Table of astronomical observations for 2008 DEC, listing station names, coordinates, and observation details.





Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Alice Springs, Gaotai, Hu-ho-hao-te, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Keskin Array B, Rata Peaks, Rata Peaks, etc.

Table with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Matias Romero, Matias Romero, Vista Hermosa, etc.

















Table with columns: Station Name, Azimuth, Phase ID, Time, Res, etc. Includes stations like New Delhi, Simla, Aya Nagar, Allahabad, etc.

TAP 19 06:39:03.8, 24.84N, 121.97E, h5km, 1km, ML2.3, 1D, C,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, etc. Includes stations like Santiao Chiao, Suao, Wufen Shan, etc.

ISCJB 19 06:40:51.4, 0.6, 24.83N, 122.07E, 0.03, h3km, 4km, mb3.5/5, Error ellipse: s-maj=4.2km s-min=3.6km az=14.9

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, etc. Includes stations like Santiao Chiao, Suao, Wufen Shan, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, etc. Includes stations like Taipei, Chentua, Yeheng, etc.

GUC 19 06:42:02.6, 0.5, 32.49S, 71.91W, h13km, 3km, MD3.9,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, etc. Includes stations like Instituto Hidir, Los Chungos, etc.

TACH Talagante, SAN Santiago, CLCH Cerro Calan, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, etc. Includes stations like Instituto Hidir, Los Chungos, etc.

ISCJB 19 06:44:00.2, 2.5, 17.4S, 0.2, 70.1W, 0.2, h103km, 25km, mb3.3/2, Error ellipse: s-maj=33.0km s-min=23.6km

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

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, etc. Includes stations like La Paz, San Ignacio, etc.

MOS 19 06:52:54.8, 0.9, 40.84N, 141.85E, h33km, mb4.9/34, Error ellipse: s-maj=11.1km s-min=6.5km az=114.0

ISCJB 19 06:52:58.9, 0.4, 40.98N, 0.03, 141.97E, 0.04, h66km, 2km, mb4.5/71, Error ellipse: s-maj=5.9km s-min=3.7km

BUL 19 06:52:59.2, 41.01N, 142.09E, h77km, mb5.2/20, mb4.8/26, Ms4.4/11, Ms7.4/3/11

JMA 19 06:52:59.1, 0.1, 40.97N, 142.01E, h56km, 2km, M4.1 Broadband fault plane solution: P waves, NP1: 0.000000, 0.86600000, 0.52000000, NP2: 0.17800000, 0.85000000, 0.15800000, Principal axes: T: P1g49.0000, Azm302.0000, N: P1g2.0000, Azm209.0000, P: P1g41.0000, Azm117.0000

JMA Felt III J, NIED 19 06:53:00.41, 00N, 142.00E, h53km, Mw4.3 Best double couple: M3.340000, 1015 NP1: 0.210000, 0.71000000, 1.91000000, NP2: 0.19900000, 0.81900000, 0.88000000

IDC 19 06:53:01.4, 1.7, 40.97N, 141.91E, h77km, 14km, mb3.9/20, mb1.4/124, mb1mx4.0/29, mbtmp3.9/24, MS3.4/5, Ms1.3/4.5, ms1mx3.1/34, Error ellipse: s-maj=14.9km

NEIC 19 06:53:01.4, 0.5, 40.99N, 142.01E, h77km, 4km, mb4.9/35, MW4.3(NIED), Error ellipse: s-maj=7.2km s-min=4.7km az=136.0

NEIC Felt [I] at Misawa. Recorded [3 JMA] in Amori and [1 JMA] in Iwate. Also recorded [1 JMA] in southwestern Hokkaido.

ISC 19 06:52:59.8, 0.4, 40.98N, 0.03, 141.97E, 0.04, h60km, 2km, h7km, 8km, pp-P, n244, c0, 097/259, mb4.7/71, 9C-14D,

Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, etc. Includes stations like JANG Nango, JTM Tenmabayashi, etc.

ASAJ Asahikawa, ASAJ Asahikawa, ASAJ Asahikawa, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, etc. Includes stations like ASAJ Asahikawa, YUK Yuzh-Kuril'sk, etc.

19d 6h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like Beijing, Nanjing, Yakutsk, etc.

2008 DEC

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like CMAR, KURK, ILAR, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KBL, APA, YKA, etc.

Table with columns: ORIF, ORIS-en-Rattie, Frequency, Power, Azimuth, Elevation, and other parameters.

DDA 19 07:00:03.9, 37.33N-37.77E, h7km, 4km, Md2.9

CSEM 19 07:00:04.9, 0.4, 37.32N-37.79E, h2km, Md2.9, Error ellipse: s-maj=10.6km s-min=5.3km az=150.0

ISCJB 19 07:00:05.2, 0.6, 37.34N-0.05, 37.78E, 0.04, h9km, 7km, Error ellipse: s-maj=8.2km s-min=4.2km az=154.2

ISC 19 07:00:05.7, 37.33N-37.77E, h10km, MD3.0

ISC 19 07:00:05.8, 0.6, 37.33N-0.04, 37.78E, 0.04, h15km, 7km, n25, c125/36, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and other parameters.

BUI 19 07:24:14.5, 38.16N-89.89E, h20km, mb4.1/2, ML3.9/8, Ms3.6/2, Ms7.3/22

ISCJB 19 07:24:18.5, 1.4, 38.81N-0.07, 89.66E, 0.10, h10km, Error ellipse: s-maj=11.0km s-min=10.2km az=33.5

ISC 19 07:24:21.2, 7.0, 38.83N-89.99E, h0km, mb1.3/4.5, mb1mx3.3/3.0, mbmp3.4/5, ML3.3/5, Error ellipse: s-maj=83.0km s-min=37.0km az=177.0

ISC 19 07:24:19.9, 1.4, 38.73N-0.08, 89.79E, 0.10, h10km, n9, c147/12, 2D, Southern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and other parameters.

ISC 19 07:27:15.2, 1.4, 2.94N-74.34W, h0km, mb3.4/3, mb1.3/7.4, mb1mx3.5/2.2, mbmp3.6/4, ML3.3/1, Error ellipse: s-maj=44.4km s-min=19.3km az=88.0, Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and other parameters.

ISCJB 19 07:30:06.8, 0.9, 32.52S-0.03, 71.97W, 0.04, h21km, 6km, mb5.1/135, MS5.0/10, Error ellipse: s-maj=6.6km s-min=4.2km az=139.2

GUC 19 07:30:06.9, 0.6, 32.54S-72.02W, h12km, 34km, ML5.1

NEIC 19 07:30:06.0, 32.54S-72.02W, h12km, mb5.2/116, ML5.1(GUC), Aterica, GUC

NEIC Felt [II] at La Ligua, Papudo, Valparaiso, Vina del Mar and Zapallar; [II] at Curacavi, San Antonio and Santiago, BUI 19 07:30:08.5, 1m2x39S-72.02W, h33km, mb5.2/119, MS5.6/14, Ms7.5/215

MOS 19 07:30:09.1, 1.3, 32.42S-71.79W, h35km, mb5.3/41, Error ellipse: s-maj=15.1km s-min=7.1km az=106.5

IDC 19 07:30:09.6, 0.4, 32.52S-71.84W, h32km, 2km, mb4.7/18, mb1.4, 8/22, mb1mx4.8, 8/22, mbtmp4.7/22, ML4.7/4, MS4.9/11, Ms1.4/9.11, ms1mx4.7/23, Error ellipse: s-maj=16.7km s-min=10.8km az=74.0

GCMT 19 07:30:11.8, 0.2, 32.66S-72.24W, h22km, MW5.4, Moment Tensor Solution, s71, c107, s88, c143; Moment tensor: Scalar 1017Nm; Mr0.95t, 0.3; Ms0.06t, 0.2; Mw-1.01t, 0.2; Mo0.02t, 0.3; Mo0.01t, 0.1; Mw-1.17t, 0.5; Best double couple: Mo1.50000x1017 NP1=359.00000, 320.00000, 190.00000; NP2=179.00000, 370.00000, 190.00000; Principal axes: T 1.4900, Pz65.0000; Azm89.0000; N 0.0600, Plg0.0000, Azm179.0000; P -1.5600, Plg25.0000, Azm269.0000; Data Used: II U IC G CN

ISC 19 07:30:07.1, 0.9, 32.51S-0.03, 71.88W, 0.04, h12km, 5km, h32km, 1.3km, PKPb, P 766, c062/64, mb5.1/135, MS5.0/10, 205C-190Z, Near coast of central Chile

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and other parameters.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and other parameters.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and other parameters.

Table with columns: ID, Name, Value, Unit, Direction, Date, Time, etc. Includes entries like 325A Bean Ranch, 226A Malaga, 324A Moselle, etc.

Table with columns: ID, Name, Value, Unit, Direction, Date, Time, etc. Includes entries like Z18A Geronimo, ANMO Albuquerque, MAW Mawson, etc.

Table with columns: ID, Name, Value, Unit, Direction, Date, Time, etc. Includes entries like JFWS Jewell Farm, V17A Tonalea, FRNY Flat Rock, etc.



Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like E14A Clinton, SCHO Schefferville, B19A Brinkman Farms, etc.

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

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



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Guiyang, WHN, LZH, CD2, XAN, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TXAR, WWT, MAW, DBIC, DBIC, etc.

GUC 19 07:37:16.7.0.7, 32'58S, 71°9'W, h27km, 4km, MD3.8, ML3.3, GC-4D, Near coast of central Chile

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

IDC 19 07:56:02.8.0.7, 32'51S, 71°8'W, h0km, mb4.3/8, mb1.4.3/12, mb1mx4.2/16, mbtmp4.2/12, ML4.2/4, MS3.5/2, Ms1.3.9/2, ms1mx3.2/22, Error ellipse: s-maj=30.0km s-min=19.0km az=85.0

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

BUI 19 08:06:03.0.7, 055N, 127°37'E, h57km, mb5.2/27, mb4.8/37, Ms4.8/23, Ms7.4.4/24

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

IDC 19 07:53:46.5.0.8, 2'34S, 139°04'E, h0km, mb4.1/9, mb1.4.2/12, mb1mx4.1/19, mbtmp4.1/12, ML3.8/3, Error ellipse: s-maj=32.3km s-min=15.5km az=77.0

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

IDC 19 07:56:05.0.8, 32'56S, 022°71'96W, 0.04, h16km, 4km, mb3.9/4/6/6, mb4.3/12, Error ellipse: s-maj=8.8km s-min=4.3km az=171.2

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

NEIC 19 08:06:15.0.0.4, 1°N, 4°12'E, h84km, 4km, MS.2/4, mb5.3/34, mb5.6/26, MLV.5/11, Mw(mB)5.1/26, Azm143.0000°, N: 0.2000, Plg44.0000°, Azm68.0000°, P: 6.7900, Plg46.0000°, Azm241.0000°, Data Used: II UIU IC

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



Table with columns: AAK, Ala-Archa, 62.32 319c, iP, P, 08 16 29.4 +1.5, etc. Lists various stations and their parameters.

Table with columns: KMBO, SYO, AKA, APA, etc. Lists various stations and their parameters.

Table with columns: TOR, ZALV, MKAR, etc. Lists various stations and their parameters.











Table with columns for station call signs (e.g., GZR, BINY, KEV), frequencies, and various status codes (P, S, M, etc.). The table is organized into multiple columns and rows, listing various radio stations and their operational details.



Table with columns: ID, Name, Value, Unit, Status, Date, Time, and other details. Includes entries like 421A Bergtoll Ranch, CLDR Caldrin, C22A Vida, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, Time, and other details. Includes entries like G21A Lodge Grass, A17A Triple J Farms, RCBR Riachuelo, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, Time, and other details. Includes entries like HRY Holter Researc, L21A Rawlins, RWVY Rawlins, etc.

C13A	baz=56,SNR=11	55.98 305	↑P	P	08 41 29.9 -0.8	P20A	De Beque	57.05 294	↑P	P	08 41 38.4 0.0	comp=Z,96nm,1.8s,mb5.5	227A	Bennet, Jal	58.30 284	↑P	P	08 41 46.8 -0.6
B5MT	Basso Peak	56.00 306	eP	P	08 41 30.4 -0.4	H14A	Leadore	57.05 302	↑P	P	08 41 38.5 +0.1	baz=58	R19A	Curley Farm, L	58.31 294	↑P	P	08 41 47.7 +0.4
BSMT	Basso Peak	56.00 306	eP	P	08 41 30.4 -0.4	Y27A	Gay	57.06 286	↑P	P	08 41 37.9 -0.8	baz=57,SNR=8.1	M15A	Larsen Ranch,	58.36 298	↑P	P	08 41 47.2 -0.7
LOHW	Long Hollow	56.00 300	eP	P	08 41 30.7 -0.2	X26A	CR and CF Fran	57.08 287	↑P	P	08 41 38.1 -0.7	baz=58,SNR=8.6	Q18A	Rafter H Ranch	58.37 295	↑P	P	08 41 47.4 -0.3
LOHW	Long Hollow	56.00 300	eP	P	08 41 30.7 -0.2	W25A	X Bar L Ranch	57.10 288	↑P	P	08 41 38.7 -0.2	baz=57,SNR=13	328A	Wristen Ranch,	58.38 283	↑P	P	08 41 46.9 -0.9
MOOW	Moose Ponds	56.13 300	eP	P	08 41 31.2 +0.3	S22A	4UR Ranch, Cre	57.10 292	↑P	P	08 41 39.0 +0.1	baz=57,SNR=17	126A	Clayton Basin,	58.39 285	↑P	P	08 41 47.5 -0.5
MOOW	Moose Ponds	56.01 300	eP	P	08 41 31.2 +0.3	R21A	Cimarron	57.19 293	↑P	P	08 41 39.7 +0.2	baz=58,SNR=12	OD2	Odesa Site #2	58.43 307	eP	P	08 41 45.7 -2.3
O21A	Pagoda	56.05 295	↑P	P	08 41 31.8 +0.5	DAWY	Dawson	57.20 331	eP	P	08 41 39.0 -0.1	baz=58,SNR=19	OD2	Odesa Site #2	58.43 307	eP	P	08 41 45.7 -2.3
E14A	Clinton	56.09 304	↑P	P	08 41 31.5 0.0	DAWY	Dawson	57.20 331	eP	P	08 41 39.0 -0.1	baz=58,SNR=19	U21A	Nageezi	58.43 291	↑P	P	08 41 48.7 +0.5
M5O	Missoula	56.10 304	↑P	P	08 41 30.8 -0.8	J15A	Blackfoot	57.21 300	↑P	P	08 41 39.7 +0.2	baz=58,SNR=14	F10A	Beach Ranch, E	58.45 305	↑P	P	08 41 47.3 -0.9
M5O	Missoula	56.10 304	eP	P	08 41 31.0 -0.6	DLBC	Dease Lake	57.26 322	eP	P	08 41 40.1 +0.5	baz=58,SNR=16	Z25A	Roswell	58.46 286	↑P	P	08 41 48.4 0.0
M5O	Missoula	56.10 304	eP	P	08 41 31.0 -0.6	DLBC	Dease Lake	57.26 322	eP	P	08 41 40.1 +0.5	baz=58,SNR=16	L14A	Malta	58.50 299	↑P	P	08 41 47.7 -0.8
M5O	Missoula	56.10 304	eP	P	08 41 31.0 -0.6	E12A	Beaver Dam Sad	57.26 305	↑P	P	08 41 38.7 -1.1	baz=58,SNR=18	P17A	Butcher Ranch,	58.52 296	↑P	P	08 41 48.5 -0.3
M5O	Missoula	56.10 304	eP	P	08 41 31.0 -0.6	G13A	Cobal	57.27 303	↑P	P	08 41 39.9 0.0	baz=58,SNR=26	Y24A	Capitan	58.53 287	↑P	P	08 41 49.0 +0.1
M5O	Missoula	56.10 304	eP	P	08 41 31.0 -0.6	M17A	Scully's Gap (B	57.28 297	↑P	P	08 41 39.6 -0.4	baz=58,SNR=13	O16A	Springville	58.55 297	↑P	P	08 41 48.9 0.0
L19A	Farson	56.12 297	↑P	P	08 41 31.3 -0.4	EGAK	Eagle	57.30 332	eP	P	08 41 39.8 0.0	baz=58,SNR=24	H12A	Atlanta	58.56 302	↑P	P	08 41 49.5 +0.5
S24A	Houchens Ranch,	56.14 291	↑P	P	08 41 32.1 +0.1	EGAK	Eagle	57.30 332	eP	P	08 41 39.8 0.0	baz=58,SNR=92	ANMO	Albuquerque	58.56 289	eP	P	08 41 49.6 +0.5
DLMT	Dillon	56.17 302	eP	P	08 41 32.2 +0.2	EGAK	Eagle	57.30 332	eP	P	08 41 39.8 0.0	comp=Z,101nm,1.8s,mb5.5	ANMO	Albuquerque	58.56 289	eP	P	08 41 49.6 +0.5
DLMT	Dillon	56.17 302	eP	P	08 41 32.2 +0.2	EGAK	Eagle	57.30 332	eP	P	08 41 39.8 0.0	comp=Z,8um,19.0s,M55.9	ANMO	Albuquerque	58.56 289	eP	P	08 41 49.6 +0.5
SNOW	Snow King Moun	56.18 299	eP	P	08 41 32.4 +0.2	Q20A	Ridgely Place,	57.31 294	↑P	P	08 41 40.4 +0.1	baz=58,SNR=29	ANMO	Albuquerque	58.56 289	eP	P	08 41 49.6 +0.5
SNOW	Snow King Moun	56.18 299	eP	P	08 41 32.4 +0.2	V24A	Rampart Ranch,	57.32 289	↑P	P	08 41 40.7 +0.3	baz=57,SNR=9.4	ANMO	Albuquerque	58.56 289	eP	P	08 41 49.6 +0.5
SNOW	Snow King Moun	56.18 299	eP	P	08 41 32.4 +0.2	P19A	Cripple Cowboy	57.33 295	↑P	P	08 41 39.8 -0.6	baz=57,SNR=8.0	ANMO	Albuquerque	58.56 289	eP	P	08 41 49.6 +0.5
N20A	Spence Gulch,	56.18 296	↑P	P	08 41 33.0 +0.7	L16A	Fish Haven	57.42 298	↑P	P	08 41 40.3 -0.7	baz=57,SNR=8.0	ANMO	Albuquerque	58.56 289	eP	P	08 41 49.6 +0.5
R23A	Moffat	56.20 292	↑P	P	08 41 32.9 +0.5	Z27A	Tatum	57.45 286	↑P	P	08 41 40.7 -0.6	comp=Z,101nm,1.8s	ANMO	Albuquerque	58.56 289	eP	P	08 41 49.6 +0.5
J17A	Brown Place, J	56.21 299	↑P	P	08 41 32.3 +0.2	F12A	Elk City	57.47 304	↑P	P	08 41 40.5 -0.7	baz=57,SNR=19.0s	ANMO	Albuquerque	58.56 289	eP	P	08 41 49.6 +0.5
G15A	Dillon	56.22 302	↑P	P	08 41 32.3 -0.1	Y26A	Eilda	57.48 286	↑P	P	08 41 41.2 -0.3	baz=57	S19A	Harvey Farm, M	58.56 293	↑P	P	08 41 49.1 0.0
K18A	Toitan Ranch,	56.23 298	↑P	P	08 41 31.9 -0.6	KVTX	Kingsville	57.50 277	PFAKE	LR	08 41 50.0 +8.2	baz=58,SNR=34	SRU	San Rafael	58.60 295	eP	P	08 41 49.2 -0.1
D13A	Huson	56.24 305	↑P	P	08 41 32.0 -0.6	KVTX	Kingsville	57.50 277	PFAKE	LR	08 41 50.0 +8.2	comp=Z,266nm,2.2s,mb5.9	SRU	San Rafael	58.60 295	eP	P	08 41 49.3 0.0
SDCO	Great Sand Dun	56.26 291	↑P	P	08 41 33.2 +0.4	I14A	Mackay	57.50 301	↑P	P	08 41 42.2 +0.6	baz=57,SNR=23	SRU	San Rafael	58.60 295	eP	P	08 41 49.3 0.0
SDCO	Great Sand Dun	56.26 291	↑P	P	08 41 33.2 +0.4	U23A	El Rito	57.55 290	↑P	P	08 41 43.0 +1.0	baz=57,SNR=20	SRU	San Rafael	58.60 295	eP	P	08 41 49.3 0.0
SDCO	Great Sand Dun	56.26 291	↑P	P	08 41 33.2 +0.4	T22A	Edith	57.59 291	↑P	P	08 41 42.6 +0.3	baz=57,SNR=33	X23A	Hourglass Bar	58.61 288	↑P	P	08 41 50.2 +0.7
SDCO	Great Sand Dun	56.26 291	↑P	P	08 41 33.2 +0.4	H13A	Challis	57.59 302	↑P	P	08 41 42.3 +0.1	baz=58,SNR=59	E09A	Wood Farm, Sta	58.64 306	↑P	P	08 41 48.0 -1.5
TPAW	Teton Pass	56.28 300	eP	P	08 41 32.9 0.0	O18A	Roosevelt	57.59 296	↑P	P	08 41 42.2 0.0	baz=58,SNR=14	R18A	Canyonlands Na	58.65 294	↑P	P	08 41 49.6 -0.1
TPAW	Teton Pass	56.28 300	eP	P	08 41 32.9 0.0	X25A	Clennons Ranch	57.65 288	↑P	P	08 41 43.0 +0.2	baz=57,SNR=42	NOQ	North Oquirrh	58.65 297	eP	P	08 41 49.4 -0.2
W27A	Bowe Ranch, En	56.28 287	↑P	P	08 41 32.6 -0.4	K15A	Arbon	57.69 300	↑P	P	08 41 42.7 -0.2	baz=58	NOQ	North Oquirrh	58.65 297	eP	P	08 41 49.4 -0.2
REDW	Red Top Meadow	56.29 299	eP	P	08 41 32.9 -0.1	N17A	Moffit Pass	57.70 297	↑P	P	08 41 42.5 -0.4	baz=58,SNR=19	428A	Kincaid Ranch,	58.71 283	↑P	P	08 41 49.9 -0.3
REDW	Red Top Meadow	56.29 299	eP	P	08 41 32.8 -0.2	W24A	Lazy B Ranch,	57.72 289	↑P	P	08 41 43.9 +0.7	baz=58,SNR=10	MPU	Maple Canyon	58.74 297	eP	P	08 41 49.0 -1.3
M19A	Rock Springs	56.34 297	↑P	P	08 41 33.1 -0.3	HWUT	Hardware Ranch	57.75 298	eP	P	08 41 42.9 -0.5	comp=Z,39nm,1.2s,mb5.3	MPU	Maple Canyon	58.74 297	eP	P	08 41 49.0 -1.3
SMCO	Snowmass	56.35 293	eP	P	08 41 33.6 +0.2	HWUT	Hardware Ranch	57.75 298	eP	P	08 41 42.9 -0.5	comp=Z,150nm,1.5s,mb5.8	SKAG	Skagway	58.75 325	eP	P	08 41 50.2 +0.2
SMCO	Snowmass	56.35 293	eP	P	08 41 33.7 +0.3	HWUT	Hardware Ranch	57.75 298	eP	P	08 41 42.9 -0.5	comp=Z,160nm,1.4s,mb5.9	SKAG	Skagway	58.75 325	eP	P	08 41 50.2 +0.2
DC1D1	Drake Creek	56.36 300	eP	P	08 41 34.0 +0.6	S21A	Coal Bank Pass	57.77 292	↑P	P	08 41 44.3 +0.8	baz=58,SNR=40	W22A	Albuquerque	58.75 289	↑P	P	08 41 51.4 +0.9
DC1D1	Drake Creek	56.36 300	eP	P	08 41 34.0 +0.6	R20A	Redvale	57.82 293	↑P	P	08 41 43.9 0.0	baz=59	V21A	Milan	58.80 290	↑P	P	08 41 51.5 +0.8
U25A	Circle Dot Ran	56.36 289	↑P	P	08 41 34.6 +1.0	J14A	Car	57.89 301	↑P	P	08 41 45.0 +0.7	baz=59	125A	Gardner Draw,	58.80 286	↑P	P	08 41 50.3 -0.5
F14A	Wisdom	56.36 303	↑P	P	08 41 33.1 -0.4	I13A	Wildhorse Cree	57.90 302	↑P	P	08 41 44.8 +0.5	baz=59,SNR=21	226A	Malaga, Loving	58.81 285	↑P	P	08 41 50.7 -0.2
T24A	Torres Weston	56.37 290	↑P	P	08 41 34.5 +0.9	V23A	Orlmt. (NFS	57.90 290	↑P	P	08 41 45.6 +1.2	baz=58,SNR=61	327A	Balboa Ranch	58.84 284	↑P	P	08 41 50.8 -0.3
I16A	Newdale	56.37 300	↑P	P	08 41 34.0 +0.4	Q19A	Hogan Spring (	57.91 294	↑P	P	08 41 44.0 -0.5	baz=58,SNR=15	Z24A	Sheeppen Canyo	58.85 287	↑P	P	08 41 51.6 +0.5
P21A	Newcastle	56.44 294	↑P	P	08 41 35.1 +1.0	127A	Arkansas Junct	57.94 285	↑P	P	08 41 43.9 -0.9	baz=58,SNR=7.3	GDL2	Castalpe Moun	58.90 285	eP	P	08 41 51.3 -0.2
C12B	Naegeli Ranch,	56.46 306	↑P	P	08 41 34.0 -0.1	U22A	Flaves	57.95 291	↑P	P	08 41 45.4 +0.7	baz=58,SNR=19	GDL2	Guadalupe Moun	58.90 285	eP	P	08 41 51.3 -0.2
E13A	Victor	56.47 304	↑P	P	08 41 33.4 -0.8	H12A	Diamond D Ranc	57.95 303	↑P	P	08 41 44.8 +0.1	baz=58,SNR=13	TMUT	Trail Mountain	58.91 296	eP	P	08 41 52.0 +0.5
Q22A	Crested Butte,	56.49 293	↑P	P	08 41 34.9 +0.4	PV01	Paradox Valley	57.97 293	eP	P	08 41 45.2 +0.3	comp=Z,131nm,0.5s,mb5.2	WTV	Waterville	58.92 308	P	P	08 41 50.5 -0.9
X27A	F and S Farms,	56.56 287	↑P	P	08 41 34.7 -0.3	PV01	Paradox Valley	57.97 293	eP	P	08 41 45.2 +0.2	comp=Z,131nm,0.5s,mb5.2	WTV	Waterville	58.92 308	P	P	08 41 50.5 -0.9
O20A	White River Cr	56.58 295	↑P	P	08 41 35.5 +0.5	Z26A	Cap Rock	57.98 286	↑P	P	08 41 44.7 -0.4	baz=58,SNR=16	Y23A	Loveless Mesa,	58.93 288	↑P	P	08 41 52.0 +0.3
RR12	Red Ridge	56.58 300	eP	P	08 41 35.0 0.0	L15A	Malad City	58.00 299	↑P	P	08 41 44.3 -0.8	baz=58,SNR=26	DOT	Dot Lake	59.00 332	eP	P	08 41 52.5 +0.8
RR12	Red Ridge	56.58 300	eP	P	08 41 35.0 0.0	T21A	Navajo Lake	58.01 292	↑P	P	08 41 45.5 +0.3	comp=Z,122nm,1.5s,mb5.7	DOT	Dot Lake	59.00 332	eP	P	08 41 52.5 +0.8
S23A	Nye Farm, Mont	56.60 291	↑P	P	08 41 35.9 +0.6	S20A	Disappointment	58.02 293	↑P	P	08 41 45.6 +0.3	comp=Z,122nm,1.5s,mb5.7	P16A	Fountain Green	59.00 296	↑P	P	08 41 52.3 +0.2

19d 8h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like W21A San Fidel, 225A Deer Hill, Car, COLA College, etc.

2008 DEC

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like SIT Sitka, W19A Sanders, Z21A St. Cloud Mine, etc.

800

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like X16A Lo Mia Camp, PMR Palmer, PMR Palmer, etc.





19d 8h

Table with columns for station name, frequency, power, and other technical details. Includes stations like GKN Gorkha, HABR Khabarovsk, KKN Kakani, etc.

2008 DEC

Table with columns for station name, frequency, power, and other technical details. Includes stations like LZH Lanzhou, CHANGCHUN Changchun, MDJ Mudanjiang, etc.

802

Table with columns for station name, frequency, power, and other technical details. Includes stations like KMI Kunming, WHN Wuhan, PLCA Paso Flores, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PTCH Petorca, JACH Jahuel, PEL Peleduehu, TACH Talagante, SAN Santiago, CLCH Cerro Calan, ANTU Antumapu, LNV Longovigo, etc.

MAN 19 08:53:09.936N,126.02E,h85km,mb4.4,ML3.2,MS3.0, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BUTP Butuan, MSLR Masapar, BUKP Musuan, etc.

JMA 19 08:53:39.5-0.2,36.37N,129.84E,h4km,M3.4

ISCJB 19 08:53:40.2-0.4,36.40N,129.78E,0.03,h10km, Error ellipse: s-maj=3.8km,s-min=2.4km,az=137.0

KMA 19 08:53:42.2,36.54N,129.61E,M3.4

ISC 19 08:53:40.0,36.38N,129.75E,0.03,h10km,n35, s=143.65,South Korea

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists many stations including KSYOD Yeongdeok, KSHPA Pohang, KSULJ Ulsjin, etc.

19 09:02:38.6-2.6,32.39S,72.17W,h0km,mb3.8/1, mb1 3.6/4,mb1mx3.6/14,mbtmp3.5/4,ML3.4/1,Error ellipse: s-maj=11.4km,s-min=33.1km,az=97.0

ISCJB 19 09:02:40.9,1.5,32.46S,72.4W,0.2,h33km,mb3.8/1, Error ellipse: s-maj=26.5km,s-min=12.6km,az=6.0

NEIC 19 09:02:43.0,1.8,32.40S,72.41W,h36km,15km,mb3.5/1, Error ellipse: s-maj=27.6km,s-min=12.4km,az=98.0

ISC 19 09:02:43.4,1.9,32.61S,72.4W,0.2,h36km,21km, n17,-111/1/4,mb3.8/1,Off coast central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CFAA Coronel Fontan, TWVZ Taurewa, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TORO Torodi Ar. Bea, ZALV Zalesovo Beam, MKAR Makanchi Array, etc.

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IHA Instituto Hidir, ITHA ITHA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JACH Jahuel, PEL Peleduehu, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TACH Talagante, SAN Santiago, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMCH Combarbala, PCH Pirque, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CACH El Canelo, CACH Las Melosas, etc.

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LPAZ La Paz, SIV San Ignacio, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DBIC Dimbokro, BOSA Boshof, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TORO Torodi Ar. Bea, FETA Feichten, etc.

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

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WEL 19 09:33:49.8-0.6,38.79S,175.30E,h217km,4km,ML3.6/1/3, Error ellipse: s-maj=4.5km,s-min=3.1km,az=90.0, North Island

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LTZ Lake Taylor, MGZ McQueen's Vall, etc.

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PACH Papudo, CHNG Los Chungos, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IHA Instituto Hidir, ITHA ITHA, etc.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like Villa Florida, La Paz, San Ignacio, Nana, Ushuaia, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like SNAEA, TEIG, RKT, SBA, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like Cox Ranch, Big Bend, Woodward Ranch, etc.







Table with columns for station call letters, name, frequency, and other details. Includes stations like J14A Carey, F20A Billings, YMR Madison River, etc.

Table with columns for station call letters, name, frequency, and other details. Includes stations like HRY Holter Researc, J08A Circle Bar Ran, E15A Deer Lodge, etc.

Table with columns for station call letters, name, frequency, and other details. Includes stations like FFC comp=Z,51nm,1.7s,mb5.6, FFC comp=Z,1um,21.0s,MS5.3, etc.







Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like DZM, Urewera, Rata Peaks, etc.

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

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like mb4.1/7, GUC, NEIC, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like IDC, NEIC, ISC, etc.

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

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like FSR, PCH, CMCH, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like IDC, NEIC, ISC, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like GUC, M3.3, etc.

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



Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Rovaniemi, ARCESS Array S, and various HF and VHF stations.

KRSC 11:46:33.5,0.6,54.41N,160.18E, h112km, 111km, ML3.6, Near east coast of Kamchatka Peninsula

Table listing station details for the Kamchatka Peninsula region, including station names, frequencies, and modes.

ISCJB 11:52:31.4,0.8,22.60N,0.07,94.52E,0.08, h119km, 8km, mb4.3/13, Error ellipse: s-maj=14.0km s-min=-8.0km

Table listing station details for the ISCJB region, including station names, frequencies, and modes.

Table listing station details for the 2008 DEC region, including station names, frequencies, and modes.

NEIC 19:05:42.0, 15.78N, 95.69W, h41km, MD3.8(MEX), After MEX

MEX 19:05:42.0, 15.77N, 95.67W, h34km, 15km, MD3.8, Near coast of Oaxaca

Table listing station details for the MEX region, including station names, frequencies, and modes.

ISC 19:24:02.8, 0.8, 32.45S, 71.81W, h0km, mb4.1/6, mb1 4.2/10, mb1mx4.1/15, mbtmp4.0/10, ML4.2/4, Error ellipse: s-maj=30.7km s-min=-22.4km az=87.0

ISCJB 19:24:06.3, 0.8, 32.43S, 0.03, 71.97W, h0.7, h35km, 8km, mb4.1/8, Error ellipse: s-maj=9.8km s-min=-4.4km az=173.8

GUC 19:24:06.6, 0.8, 32.46S, 71.89W, h26km, 4km, MD4.1, ML4.1

NEIC 19:24:08.3, 1.2, 32.40S, 71.88W, h37km, 10km, mb4.0/4, Error ellipse: s-maj=16.4km s-min=-8.3km az=91.0

ISC 19:24:05.9, 0.8, 32.44S, 0.02, 71.92W, h0.05, h17km, 4km, n54, c08/59, mb4.1/8, 5C-6D, Near coast of central

Table listing station details for the ISC and ISCJB regions, including station names, frequencies, and modes.

Table listing station details for the 19d 13h region, including station names, frequencies, and modes.

ISK 19:30:16.4, 37.07N, 29.16E, h5km, MD2.8

DDA 19:30:16.8, 37.04N, 29.11E, h7km, 5km, MD2.8

ISCJB 19:30:17.9, 0.9, 37.16N, 0.05, 29.32E, 0.08, h35km, 15km, Error ellipse: s-maj=12.0km s-min=7.5km az=149.9

CSEM 19:30:17.4, 0.4, 37.13N, 29.25E, h22km, 6km, MD2.8, Warramunga Arr s-maj=11.7km s-min=7.2km az=39.0

ISC 19:30:17.8, 0.9, 37.18N, 0.05, 29.35E, 0.09, h37km, 11km, n16, c103/25, Turkey

Table listing station details for the ISK, DDA, ISCJB, CSEM, and ISC regions, including station names, frequencies, and modes.

ISCJB 19:30:16.7, 2.2, 17.5S, 0.7, 178.6W, 0.4, h632km, 15km, mb3.3/6, Error ellipse: s-maj=127.4km s-min=-23.2km az=152.8

NEIC 19:30:17.4, 2.1, 17.43S, 178.53W, h622km, 11km, mb3.6/1, Error ellipse: s-maj=94.9km s-min=17.2km az=153.0

ISC 19:30:18.1, 7.6, 17.62S, 178.45W, h639km, 86km, mb2.7/5, mb1 3.0/5, mb1mx2.8/18, mbtmp2.7/5, Error ellipse: s-maj=104.8km s-min=31.0km az=149.0

ISC 19:30:17.4, 2.1, 17.4S, 0.7, 178.6W, 0.4, h623km, 14km, n14, c044/14, mb3.3/6, Fiji Islands region

Table listing station details for the ISCJB, NEIC, and ISC regions, including station names, frequencies, and modes.

ISC 19:30:56.1, 6.1, 3.31, 32S, 176.87W, h0km, mb4.5/4, mb1 4.5/7, mb1mx4.3/20, mbtmp4.4/7, ML3.9/4, mb1 3.9/4, mb1mx3.3/20, Error ellipse: s-maj=40.6km s-min=24.9km az=138.0

NEIC 19:30:54.3, 0.9, 30.75S, 176.98W, h10km, mb4.5/3, Error ellipse: s-maj=24.1km s-min=18.4km az=52.0

ISC 19:30:49.9, 3.3, 31.29S, 0.07, 176.6W, 0.5, h4km, 36km, n41, c102/33, mb4.5/5, MS3.9/3, Kermadec Islands region

Table listing station details for the ISC, NEIC, and ISC regions, including station names, frequencies, and modes.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like Rata Peaks, Mont Dzumac, 358nm 25.1s, etc.

ISCJUB 19 13:09:12.6,0.3,0.18N,0.03E,122.53E,0.03, h183km,3km, mb4.6/41, Error ellipse: s-maj=5.7km s-min=5.0km az=162.2

NEIC 19 13:09:13.3,0.3,0.18N,122.49E,mb4.8/20, Error ellipse: s-maj=1.23km s-min=2.5km az=60.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like Marisa, Gorontalo, Luwuk, Cibinong, Manado, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like Charters Tower, Fort, KLB, Narrogin (SRO), etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like AFSR Afar-Bala (A), BBAL Bala, BBAL Bala, etc.

IDC 19 13:21:13.8,1.2,32.53S,71.93W,h0km,mb3.7/2, mb1.3/9.6,mb1mx3.8/15,mbtmp3.7/6,ML3.9/4,MS3.4/2, Ms1.3/4.2,ms1mx2.8/23, Error ellipse: s-maj=39.4km s-min=31.1km az=101.0

ISCJUB 19 13:21:17.0,1.6,32.55S,0.07E,72.0W,0.1, h35km,17km, mb3.9/4, Error ellipse: s-maj=15.9km s-min=11.3km az=15.3

NEIC 19 13:21:18.7,0.7,32.50S,72.14W,h35km,mb4.1/2, Error ellipse: s-maj=15.2km s-min=11.5km az=92.0

ISC 19 13:21:19.4,1.4,32.48S,0.07E,72.0W,0.1, h38km,15km, n27,-f101/21,mb4.0/1, Off coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like Coronel Fontan, Las Campanas, Paso Flores, etc.

IDC 19 13:57:26.4,0.4,32.59S,71.72W,h0km,mb4.9/15, mb1.4/9.19,mb1mx4.9/19,mbtmp4.8/19,ML4.8/4,MS4.6/18, Ms1.4/6.18,ms1mx4.5/26, Error ellipse: s-maj=16.2km s-min=12.7km az=76.0



NCB	Newcomb	76.16 358 eP	P	14 09 14.6	-2.1
R27A	Eads	76.16 335 eP	P	14 09 16.7	-0.2
W18A	Petrified Fore	76.17 329 eP	P	14 09 17.8	+0.7
MDV	Middlebury	76.17 359 eP	P	14 09 16.7	-0.1
V20A	Brimhall	76.20 330 eP	P	14 09 17.8	+0.6
S25A	Robets Cordova	76.20 334 eP	P	14 09 17.8	+0.6
T23A	Casias Ranch,	76.27 332 eP	P	14 09 18.0	+0.5
X16A	Lo Mia Camp, P	76.35 327 eP	P	14 09 18.9	+0.8
V19A	Window Rock	76.37 329 eP	P	14 09 18.8	+0.6
U21A	Nageezi	76.40 331 eP	P	14 09 18.9	+0.5
Z13A	Yuma Proving G	76.40 325 eP	P	14 09 19.0	+0.6
R26A	Arlington	76.41 335 eP	P	14 09 18.8	+0.5
S24A	Houchin Ranch,	76.48 333 eP	P	14 09 19.7	+1.0
W17A	Winslow	76.57 328 eP	P	14 09 20.4	+1.1
R25A	Fountain Ranch	76.58 334 eP	P	14 09 19.7	+0.4
T22A	Edith	76.60 332 eP	P	14 09 20.5	+1.1
SDCO	Great Sand Dun	76.68 333 eP	P	14 09 20.4	+0.5
SDCO	Great Sand Dun	76.68 333 eP	P	14 09 19.9	0.0
Y14A	Wickenburg	76.69 326 eP	P	14 09 20.3	+0.3
U20A	Newcomb	76.71 330 eP	P	14 09 20.5	+0.4
KSCO	Kaye Shedlock	76.75 336 eP	P	14 09 21.3	+1.0
V18A	Ganado	76.75 329 eP	P	14 09 20.8	+0.5
LONY	Lake Ozonia	76.82 358 eP	P	14 09 22.0	-0.3
T21A	Navajo Lake	76.83 331 eP	P	14 09 21.5	+0.8
U19A	Dine' College,	76.93 330 eP	P	14 09 21.3	0.0
R24A	Sanders Place,	76.96 334 eP	P	14 09 22.3	+0.9
Q26A	Hugo	76.99 335 eP	P	14 09 22.1	+0.5
FRNY	Flat Rock	77.01 359 eP	P	14 09 20.7	-0.8
V17A	Tonalee, Kykot	77.06 328 eP	P	14 09 22.7	+0.6
R23A	Moffat	77.20 333 eP	P	14 09 23.2	+0.5
S22A	4UR Ranch, Cre	77.20 332 eP	P	14 09 23.5	+0.7
MSNY	Massena	77.21 358 eP	P	14 09 21.6	-1.1
WUAZ	Wupatki	77.23 328 eP	P	14 09 23.6	+0.6
WUAZ	Wupatki	77.23 328 eP	P	14 09 22.7	-0.3
Q25A	Bedland, Calha	77.24 335 eP	P	14 09 23.1	+0.1
Y12C	Blythe	77.27 325 eP	P	14 09 23.8	+0.5
T19A	Beclabito	77.31 330 eP	P	14 09 23.7	+0.3
U18A	Rough Rock, Ch	77.32 329 eP	P	14 09 24.1	+0.6
MVCO	Mesa Verde	77.42 331 eP	P	14 09 24.6	+0.5
MVCO	Mesa Verde	77.42 331 eP	P	14 09 24.4	+0.3
PKME	Peaks-Kenny Pl	77.45 2 eP	P	14 09 24.0	-0.1
S21A	Coal Bank Pass	77.51 331 eP	P	14 09 25.0	+0.8
R22A	Saguache, Gunn	77.59 332 eP	P	14 09 25.9	+1.0
Q24A	Divide	77.62 334 eP	P	14 09 25.5	+0.4
U16A	Tuba City	77.64 328 eP	P	14 09 25.8	+0.5
P25A	Willow Gulch B	77.74 335 eP	P	14 09 26.3	+0.5
Q27A	Beecher Island	77.76 336 eP	P	14 09 26.4	+0.6
S20A	Disappointment	77.79 331 eP	P	14 09 27.3	+0.7
IRM	Iron Mountain	77.91 324 eP	P	14 09 27.3	+0.4
T18A	Mexican Hat	77.93 330 eP	P	14 09 27.2	+0.3
R12A	Cimarron	78.02 332 eP	P	14 09 27.8	+0.4
W13A	Hualapai Mount	78.05 326 eP	P	14 09 28.1	+0.5
Q26A	Horse Wrangler	78.09 336 eP	P	14 09 28.2	+0.5
PFO	Pinyon Flat Ob	78.12 323 eP	P	14 09 28.9	+0.8
PFO	Pinyon Flat Ob	78.12 323 eP	P	14 09 28.7	+0.6
PFO	Pinyon Flat Ob	78.12 323 eP	P	14 09 28.7	+0.7
S19A	Harvey Farm, M	78.14 331 eP	P	14 09 28.5	+0.5
Q22A	Crested Butte,	78.20 333 eP	P	14 09 29.2	+0.8
R20A	Redvale	78.20 331 eP	P	14 09 29.2	+0.8
T17A	Navajo Res., N	78.21 329 eP	P	14 09 29.2	+0.7
P23A	Jefferson	78.23 334 eP	P	14 09 29.8	+1.2
Q25A	Wiggins	78.26 335 eP	P	14 09 29.6	+1.0
N27A	Anderson Farm,	78.33 337 eP	P	14 09 29.6	+0.6
Q21A	Lamborn Mesa,	78.43 332 eP	P	14 09 30.3	+0.7
S18A	Hurst Farm, BI	78.45 330 eP	P	14 09 30.6	+0.9
ISCO	Idaho Springs	78.52 334 eP	P	14 09 30.6	+0.5
ISCO	Idaho Springs	78.52 334 eP	P	14 09 30.4	+0.3
ISCO	Idaho Springs	78.52 334 eP	P	14 09 30.4	+0.3
N26A	Koester Ranch,	78.58 336 eP	P	14 09 31.1	+0.7
Q24A	Longmont	78.61 335 eP	P	14 09 31.3	+0.8
R19A	Curley Farm, L	78.65 331 eP	P	14 09 31.1	+0.3
S17A	Black Ridge (B	78.75 329 eP	P	14 09 31.8	+0.4
M27A	Reverse DX Ran	78.92 337 eP	P	14 09 33.2	+0.9
P21A	Newcastle	78.98 333 eP	P	14 09 33.6	+1.0
Q23A	Lake Granby, G	79.00 334 eP	P	14 09 33.6	+0.9
HEC	Hector, Ludlow	79.02 324 eP	P	14 09 33.6	+0.6
N24A	Carr	79.16 335 eP	P	14 09 34.7	+1.1
S16A	Weppner Ranch,	79.17 329 eP	P	14 09 34.4	+0.7
Q22A	Kremmling	79.19 334 eP	P	14 09 34.1	+0.4
Q19A	Hogan Spring (	79.22 331 eP	P	14 09 34.6	+0.7
ECSD	EROS Data Cent	79.23 342 eP	P	14 09 33.0	-0.9
P20A	De Beque	79.33 332 eP	P	14 09 35.2	+0.7
TSUM	Tsumeb	79.35 106 eP	P	14 09 35.3	+0.1

R17A	Hanksville Air	79.37 330 eP	P	14 09 34.8	0.0
O21A	Pagoda	79.58 333 eP	P	14 09 36.7	+0.8
N23A	Red Feather La	79.60 334 eP	P	14 09 36.9	+0.9
GSC	Goldstone	79.64 324 eP	P	14 09 36.8	+0.4
GSC	Goldstone	79.64 324 eP	P	14 09 36.0	-0.3
GSC	Goldstone	79.64 324 eP	P	14 09 36.0	-0.3
P19A	Cripley Cowboy	79.68 332 eP	P	14 09 37.4	+0.9
Q18A	Rafter H Ranch	79.70 331 eP	P	14 09 36.7	+0.1
M24A	Cheyenne	79.70 335 eP	P	14 09 36.9	+0.4
N22A	Wattenberg Ran	79.71 334 eP	P	14 09 37.4	+0.9
PHWY	Pilot Hill	79.78 335 eP	P	14 09 37.7	+0.8
CCUT	Cedar City	79.81 328 eP	P	14 09 38.4	+1.2
O20A	White River Ci	79.81 332 eP	P	14 09 37.7	+0.6
SRU	San Rafael	79.87 330 eP	P	14 09 37.9	+0.4
SRU	San Rafael	79.87 330 eP	P	14 09 37.9	+0.4
EDW2	Edwards Air Fo	79.90 323 eP	P	14 09 38.2	+0.4
Q16A	Castle Valley	79.98 330 eP	P	14 09 39.0	+0.9
L25A	Engelbreten Ra	80.01 336 eP	P	14 09 39.1	+0.9
M23A	Laramie	80.02 335 eP	P	14 09 39.3	+1.0
ARUT	Antelope Range	80.04 328 eP	P	14 09 39.0	+0.6
ARUT	Antelope Range	80.04 328 eP	P	14 09 39.0	+0.6
N21A	Black Mountain	80.07 333 eP	P	14 09 39.3	+0.7
MSU	Marysvalle	80.08 329 eP	P	14 09 39.2	+0.6
MSU	Marysvalle	80.08 329 eP	P	14 09 39.3	+0.7
P18A	Prairie Nutter	80.19 331 eP	P	14 09 39.7	+0.5
L24A	Wheatland	80.25 336 eP	P	14 09 40.3	+0.9
M22A	Cedar Creek Ra	80.29 334 eP	P	14 09 40.8	+1.1
O19A	Miners Draw (B	80.30 332 eP	P	14 09 40.5	+0.7
N20A	Spence Gulch,	80.42 333 eP	P	14 09 41.0	+0.6
BOSA	Boshof	80.51 118 eP	P	14 09 41.0	-0.5
BOSA	Boshof	80.51 118 eP	P	14 09 40.9	-0.5
BOSA	Boshof	80.51 118 eP	P	14 09 40.9	-0.5
L23A	Garrett	80.58 335 eP	P	14 09 42.1	+0.9
R13A	O'Grain Ranch,	80.60 338 eP	P	14 09 42.2	+0.8
O18A	Roosevelt	80.63 331 eP	P	14 09 42.2	+0.7
M21A	Separation Pea	80.75 334 eP	P	14 09 42.4	+0.2
ISA	Isabella	80.76 323 eP	P	14 09 43.0	+0.7
ISA	Isabella	80.76 323 eP	P	14 09 43.0	+0.6
ISA	Isabella	80.76 323 eP	P	14 09 43.0	+0.6
L22A	Ellis Ranch, M	80.77 335 eP	P	14 09 42.6	+0.4
K24A	Anderson Ranch	80.81 336 eP	P	14 09 43.0	+0.5
N19A	John Jarvis Ra	80.83 332 eP	P	14 09 43.2	+0.5
PKM	Peak Mountain	80.86 322 eP	P	14 09 43.2	+0.3
O17A	Robinson Place	80.87 331 eP	P	14 09 43.4	+0.5
M20A	Sweetwater, Wa	80.96 333 eP	P	14 09 43.6	+0.3
L21A	Rawlins	81.06 334 eP	P	14 09 44.4	+0.6
N18A	Larsen Ranch,	81.10 332 eP	P	14 09 44.6	+0.5
K23A	Bowen Ranch, D	81.12 335 eP	P	14 09 44.7	+0.6
CWC	Cottonwood Cre	81.17 324 eP	P	14 09 44.7	+0.2
O16A	Springville	81.20 330 eP	P	14 09 45.0	+0.4
YES	Vestal, Richgr	81.21 323 eP	P	14 09 45.0	+0.3
GRAC	Grapevine Rang	81.26 325 eP	P	14 09 45.4	+0.4
J24A	Dixon Ranch, L	81.29 336 eP	P	14 09 45.3	+0.3
M19A	Rock Springs	81.35 332 eP	P	14 09 45.4	+0.1
K22A	Casper	81.35 335 eP	P	14 09 45.5	+0.2
L20A	Wamsutter	81.46 333 eP	P	14 09 45.9	-0.1
R11A	Troy Canyon, C	81.48 327 eP	P	14 09 46.5	+0.4
N17A	Moffitt Pass	81.54 331 eP	P	14 09 46.9	+0.5
K21A	Alcova	81.60 334 eP	P	14 09 46.5	-0.2
DUG	Dugway	81.75 329 eP	P	14 09 47.6	+0.1
DUG	Dugway	81.75 329 eP	P	14 09 47.2	-0.3
DUG	Dugway	81.75 329 eP	P	14 09 47.2	-0.3
I24A	Kuemerle Ranc	81.75 337 eP	P	14 09 47.3	-0.1
RSSD	Black Hills	81.79 337 eP	P	14 09 47.1	-0.5
RSSD	Black Hills	81.79 337 eP	P	14 09 47.1	-0.5
L19A	Farson	81.93 333 eP	P	14 09 48.3	-0.1
J22A	Midwest Ranch	82.00 333 eP	P	14 09 48.2	-0.5
K20A	Yellowstone Ra	82.02 334 eP	P	14 09 48.4	-0.4
L18A	Fontenelle, Gr	82.05 332 eP	P	14 09 48.9	-0.1
J21A	Lysite	82.28 335 eP	P	14 09 50.3	+0.1
K19A	Absolon Red Bu	82.36 333 eP	P	14 09 50.2	-0.4
HWUT	Hardwell Ranch	82.39 331 eP	P	14 09 50.4	-0.4
I22A	9 Mile Ranch,	82.42 335 eP	P	14 09 50.5	-0.4
H24A	Dirk Ranch, A	82.51 337 eP	P	14 09 51.4	0.0
J20A	Shoshoni	82.53 334 eP	P	14 09 51.6	+0.1
BW06	Boulder Array	82.58 333 eP	P	14 09 51.7	-0.1
BW06	Boulder Array	82.58 333 eP	P	14 09 51.7	-0.1
PDAR	Pinedale Array	82.58 333 eP	P	14 09 50.8	-1.0
PDAR	Pinedale Array	82.58 333 eP	P	14 09 50.8	-0.9
PD02	Pinedale Array	82.59 333 eP	P	14 09 50.4	-1.4
PD01	Pinedale Array	82.59 333 eP	P	14 09 50.9	-1.0
I21A	Big Trails, Te	82.63 335 eP	P	14 09 51.3	-0.8
LBTB	Lobatse	82.67 115 eP	P	14 41 57.3	
LBTB	Lobatse	82.67 115 eP	P	14 09 52.1	-0.8

LBTB	Lobatse</
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19d 16h

Table with columns: Call Sign, Frequency, Power, Modulation, and other technical details. Includes call signs like DBIC, W25A, W23A, X21A, etc.

2008 DEC

Table with columns: Call Sign, Frequency, Power, Modulation, and other technical details. Includes call signs like ISCO, R19A, HEC, S16A, etc.

822

Table with columns: Call Sign, Frequency, Power, Modulation, and other technical details. Includes call signs like H24A, J20A, BW06, etc.



RES Resolute Bay 6.08 126 PN Pn 16.59 38.3 +3.2
RES RES 17 00 47.5 +2.8
RES comp=Z,3.1nm,0.1s
INK Inuvik 12.03 217 ePn Pn 17 00 55.5 -0.9
JERN Jeri Cho Mine, 13.12 176 PN Pn 17 01 12.8 +1.5

NUNC Nunup Camp, NU 15.31 142 Pn Pn 17 01 40.9 -0.2
NUNC Nunup Camp, NU 15.31 142 Pn Pn 17 01 40.9 -0.2
NUNC Nunuc Camp, NU 15.31 142 PN Pn 17 01 40.9 -0.2
NUNC Nunuc Camp, NU 15.31 142 PN Pn 17 01 40.9 -0.2

NNC 19 17:21:39.5:2.6,36.92N:70.09E, h0km, mb3.7, mpv3.3,
6C, Error ellipse: s-maj=23.8km s-min=20.0km az=94.0,
Hindu Kush region
Code Station Name A° AZ° Phase ID Time Res

NOU 19 17:28:57.3:0.6,19.68S:170.31E, h30km, MD2.9, ML2.4
NEIC 19 17:29:01.8:1.1,21.86S:170.61E, h147km,12km, mb4.5/6,
Error ellipse: s-maj=15.0km s-min=11.6km az=176.0

ISCJB 19 17:29:02.6:1.5,21.9S:0.1:170.5E:0.1, h169km,12km,
mb3.8/6, Error ellipse: s-maj=20.4km s-min=15.7km
az=33.5

ISC 19 17:29:05.0:3.0,21.92S:170.37E, h171km,23km, mb3.4/5,
mb1.3/7.8, mb1mx3.5/19, mbmtpr3.6/8, Error ellipse:
s-maj=31.0km s-min=23.2km az=40.0

ISC 19 17:29:02.0:0.9,21.93S:0.1:170.84E:0.07, h151km,9km,
n25, a0998/28, mb3.8/6, Southeast of Loyalty Islands
Code Station Name A° AZ° Phase ID Time Res

BAYA Yate Dam 3.50 264 ePn Pn 17 29 56.4 +0.4
BAYA eS Pn 17 30 39.2 +1.4
BAYA AMP Pn 17 30 40.9

LASL Noumea 3.83 264 ePn Pn 17 29 59.8 -0.4
DZM Mont Dzumac 3.91 266 P Pn 17 30 01.5 +0.2
DZM comp=Z,8.2nm,4.2s
DZM S Pn 17 30 45.7 -1.3

DZM comp=Z,2.1nm,0.3s,baz=132,slow=19,SNR=7.6
DZM S Pn 17 30 00.9 -0.4
DZM P 17 30 01.5
DZM S Pn 17 30 45.7 -1.3

DZM eS Pn 17 30 46.3 -0.8
DZM eS Pn 17 30 42.1 -0.5
NOUC Port Laguerre 4.04 266 ePn Pn 17 30 51.2 +1.0
NOUC AMP Pn 17 30 57.0

MSVF Nonnavu 8.08 61 ePn Pn 17 30 55.8 -1.0
HNR Honiara 16.07 319 P Pn 17 32 40.3 +0.5
HNR comp=Z,2.7nm,0.3s,baz=332,slow=2.4,SNR=4.6

HNR Honiara 16.07 319 P Pn 17 32 40.3 +0.5
URZ Urewera 17.28 163 P Pn 17 32 55.6 +1.3
URZ comp=Z,1.1nm,0.3s,baz=313,slow=3.1,SNR=6.9

URZ Urewera 17.28 163 ePn Pn 17 32 53.8 -0.5
EIDS Eidsvold 18.27 255 eP P 17 33 03.6 -0.8
SNZO South Karori 19.70 171 eP P 17 33 27.3 +7.5

ASAR Alice Springs 33.87 260 P P 17 35 29.2 -1.4
ASAR Alice Springs 33.87 260 P P 17 35 29.2 -1.4
WRA Warramunga Arr 33.92 266 P P 17 35 29.6 -1.5

WRA Warramunga Arr 33.92 266 P P 17 35 29.6 -1.5
SBA Scott Base 56.09 181 P P 17 38 25.6 +0.5
GSPA South Pole Qui 68.22 180 P P 17 39 46.0 +0.1

CUYO Cuyo Island 2.13 320 eP Pn 17 33 32.9 +1.4
RCP Roxas 2.35 81 eP Pn 17 33 30.7 +2.4
MSLP Maasin 2.57 69 eP Pn 17 33 39.8 +2.2
BUSP Coron 3.55 322 eP Pn 17 33 51.9 +1.2
ENPP El Nido 3.53 304 eP Pn 17 33 52.3 +1.3

ISCJB 19 17:38:04.1:0.5,50.13N:0.03:19.15E:0.03, h0km, Error
ellipse: s-maj=4.8km s-min=2.5km az=14.2
WAR 19 17:38:05.2, 50.10N, 19.22E
CSEM 19 17:38:05.2:0.2,50.13N:19.15E, h0km,2km, ML2.8/4,

IPEC 19 17:38:05.0:0.2,50.22N:19.16E, h0km, ML2.0/3, Error
ellipse: s-maj=2.9km s-min=1.1km az=169.0
PRU 19 17:38:05.9, 50.14N, 19.13E, h0km
ISC 19 17:38:05.2:0.5,50.12N:0.03:19.16E:0.03, h0km, n36,

a096/61, Poland
Code Station Name A° AZ° Phase ID Time Res
OJC Ojcow 0.42 76 eP Pn 17 38 13.0 -0.3

OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3
OJC Ojcow 0.42 76 eP Pn 17 38 12.9 -0.4
OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3

OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3
OJC Ojcow 0.42 76 eP Pn 17 38 12.9 -0.4
OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3

OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3
OJC Ojcow 0.42 76 eP Pn 17 38 12.9 -0.4
OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3

OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3
OJC Ojcow 0.42 76 eP Pn 17 38 12.9 -0.4
OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3

OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3
OJC Ojcow 0.42 76 eP Pn 17 38 12.9 -0.4
OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3

OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3
OJC Ojcow 0.42 76 eP Pn 17 38 12.9 -0.4
OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3

OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3
OJC Ojcow 0.42 76 eP Pn 17 38 12.9 -0.4
OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3

OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3
OJC Ojcow 0.42 76 eP Pn 17 38 12.9 -0.4
OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3

OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3
OJC Ojcow 0.42 76 eP Pn 17 38 12.9 -0.4
OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3

OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3
OJC Ojcow 0.42 76 eP Pn 17 38 12.9 -0.4
OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3

OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3
OJC Ojcow 0.42 76 eP Pn 17 38 12.9 -0.4
OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3

OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3
OJC Ojcow 0.42 76 eP Pn 17 38 12.9 -0.4
OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3

OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3
OJC Ojcow 0.42 76 eP Pn 17 38 12.9 -0.4
OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3

OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3
OJC Ojcow 0.42 76 eP Pn 17 38 12.9 -0.4
OJC Ojcow 0.42 76 eP Pn 17 38 15.5 -0.3

PCH Pirque 1.52 132 P Pn 17 43 52.0 +0.5
PCH Pirque 1.52 132 P Pn 17 43 52.0 +0.5
CACH El Canelo 1.84 145 eP Pn 17 43 57.6 +1.7

CACH El Canelo 1.84 145 eP Pn 17 43 57.6 +1.7
CACH El Canelo 1.84 145 eP Pn 17 43 57.6 +1.7
CFAA Coronel Fontan 3.24 73 Pn Pn 17 44 17.6 +2.4

CFAA comp=E,3.5nm,0.3s,baz=247,slow=12,SNR=9.9
CFAA Lg 17 45 04.3
CFAA Coronel Fontan 3.24 73 Pn Pn 17 44 17.6 +2.4

CFAA comp=E,3.5nm,0.3s,baz=247,slow=12,SNR=9.9
CFAA Lg 17 45 04.3
CFAA Coronel Fontan 3.24 73 Pn Pn 17 44 17.6 +2.4

CFAA comp=E,3.5nm,0.3s,baz=247,slow=12,SNR=9.9
CFAA Lg 17 45 04.3
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CFAA comp=E,3.5nm,0.3s,baz=247,slow=12,SNR=9.9
CFAA Lg 17 45 04.3
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CFAA comp=E,3.5nm,0.3s,baz=247,slow=12,SNR=9.9
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CFAA Coronel Fontan 3.24 73 Pn Pn 17 44 17.6 +2.4

CFAA comp=E,3.5nm,0.3s,baz=247,slow=12,SNR=9.9
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CFAA comp=E,3.5nm,0.3s,baz=247,slow=12,SNR=9.9
CFAA Lg 17 45 04.3
CFAA Coronel Fontan 3.24 73 Pn Pn 17 44 17.6 +2.4

CFAA comp=E,3.5nm,0.3s,baz=247,slow=12,SNR=9.9
CFAA Lg 17 45 04.3
CFAA Coronel Fontan 3.24 73 Pn Pn 17 44 17.6 +2.4

CFAA comp=E,3.5nm,0.3s,baz=247,slow=12,SNR=9.9
CFAA Lg 17 45 04.3
CFAA Coronel Fontan 3.24 73 Pn Pn 17 44 17.6 +2.4

CFAA comp=E,3.5nm,0.3s,baz=247,slow=12,SNR=9.9
CFAA Lg 17 45 04.3
CFAA Coronel Fontan 3.24 73 Pn Pn 17 44 17.6 +2.4

CFAA comp=E,3.5nm,0.3s,baz=247,slow=12,SNR=9.9
CFAA Lg 17 45 04.3
CFAA Coronel Fontan 3.24 73 Pn Pn 17 44 17.6 +2.4

CFAA comp=E,3.5nm,0.3s,baz=247,slow=12,SNR=9.9
CFAA Lg 17 45 04.3
CFAA Coronel Fontan 3.24 73 Pn Pn 17 44 17.6 +2.4

CFAA comp=E,3.5nm,0.3s,baz=247,slow=12,SNR=9.9
CFAA Lg 17 45 04.3
CFAA Coronel Fontan 3.24 73 Pn Pn 17 44 17.6 +2.4

CFAA comp=E,3.5nm,0.3s,baz=247,slow=12,SNR=9.9
CFAA Lg 17 45 04.3
CFAA Coronel Fontan 3.24 73 Pn Pn 17 44 17.6 +2.4





Table of astronomical observations for 19d 19h, listing station names, coordinates, and observation details.

Table of astronomical observations for 2008 DEC, listing station names, coordinates, and observation details.

Table of astronomical observations for 2008 DEC, listing station names, coordinates, and observation details.







Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Barranco-do-Ve, Marmete, Tamamrasset, etc.

JMA 19 20:10:46.8, 37.51N, 138.25E, h25km, 1km, M1.3, Near west coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Izumozaki, Nakama, Sado, Hiroka, etc.

ISCJB 19 20:23:26.3, 1.0, 51.45N, 0.05, 16.12E, 0.04, h0km, Error ellipse: s-maj=7.8km s-min=3.4km az=3.6

CSEM 19 20:23:27.0, 6.0, 51.47N, 16.06E, h2km, ML3.2/4
PRU 19 20:23:28.8, 5.1, 44N, 16.09E, h0km, Felt In Harachov
WAR 19 20:23:28.0, 5.1, 52N, 16.11E, ML2.3, Mining Induced
ISC 19 20:23:27.1, 1.0, 51.47N, 0.05, 16.10E, 0.04, h0km, n21, c0587/39, Poland

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

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

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

IDC 19 20:41:53.7, 2.0, 6.13S, 130.42E, h0km, mb3.8/1, mb1 3.9/4, mb1mx3.6/15, mbtmp3.7/4, ML3.5/3, Error ellipse: s-maj=87.4km s-min=16.8km az=75.0, Banda Sea

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

NEIC 19 20:50:59.5, 36.29S, 177.77E, h185km, mb4.2/2, After WEL

WEL 19 20:50:59.6, 0.7, 36.36S, 178.09E, h194km, 4km, ML4.0/9, Error ellipse: s-maj=6.9km s-min=6.2km az=90.0, Off east coast of North Island

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BKZ, MCHZ, McNeill Hill, etc.

GUC 19 20:57:31.0, 0.0, 5.32BS, 71.94W, h6km, 2km, ML3.8, 2D, Near coast of central Chile

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

IDC 19 21:09:30.6, 1.4, 36.40N, 76.31E, h0km, mb3.4/2, mb1 3.4/5, mb1mx3.2/27, mbtmp3.3/5, ML3.0/3, Error ellipse: s-maj=33.2km s-min=28.8km az=91.0, Kashmir-Xinjiang border region

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

IDC 19 21:33:07.2, 0.8, 32.46S, 71.99W, h0km, mb4.1/7, mb1 4.2/1, mb1mx4.1/17, mbtmp4.1/11, ML4.2/4, MS3.3/2, Ms1 3.3/2, ms1mx2.9/23, Error ellipse: s-maj=31.7km s-min=17.7km az=93.0

ISCJP 19 21:33:09.0, 9.3, 32.55S, 0.03, 72.07W, 0.06, h27km, 5km, mb4.1/8, Error ellipse: s-maj=8.7km s-min=4.4km az=172.7

GUC 19 21:33:10.7, 0.0, 5.32BS, 71.96W, h32km, 2km, ML4.4, NEIC 19 21:33:10.7, 32.55S, 71.96W, h32km, mb3.9/3, ML4.4 (GUC), After GUC

NEIC Felt (I) at La Laguna, Santiago, Valparaiso and Vina del Mar

ISC 19 21:33:10.6, 1.0, 32.55S, 0.03, 71.98W, 0.05, h17km, 6km, n63, c093/71, mb4.1/8, 6C-3D, Near coast of central Chile

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

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

ANTU 19 20:59:09.0, 4.5, 25.13S, 70.04W, h1.5km, 0.5km, ML3.8, 2D, Near coast of central Chile

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

CFAA 19 20:59:09.0, 4.5, 25.13S, 70.04W, h1.5km, 0.5km, ML3.8, 2D, Near coast of central Chile

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

GUC 19 20:57:31.0, 0.0, 5.32BS, 71.94W, h6km, 2km, ML3.8, 2D, Near coast of central Chile

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

MAN 19 21:57:56, 9.27N, 122.43E, h32km, mb4.0, ML2.7, MS2.4, 1D, Negros

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

RSR 19 22:00:44.5, 18.09N, 66.22W, h19km, MD2.6/3, 2C-1D, Puerto Rico region

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

ISCJB 19 22:08:07.9, 0.8, 51.44N, 0.04, 16.14E, 0.03, h0km, Error ellipse: s-maj=5.6km s-min=2.9km az=5.1

CSEM 19 22:08:08.1, 0.3, 51.54N, 0.11E, h2km, ML3.4/8, Error ellipse: s-maj=7.7km s-min=3.8km az=11.0

WAR 19 22:08:09.5, 5.1, 55N, 16.13E, h0km, 5.5, Mining Induced

PRU 19 22:08:10.0, 5.1, 46N, 16.10E, h0km, Felt In Harachov

VIE 19 22:08:10.9, 0.4, 51.33N, 16.05E, h0km, mb2.3/3, ML2.8/4, Error ellipse: s-maj=2.8km s-min=2.3km az=0.0 71 km WNW of Wroclaw Suspected Mining induced.



ISC 19 22:08:08.1.0.7,51.53N,0.03x16.13E,0.04,h0km,n38,  
+083/68,2C-2D,Poland

Table with columns: Code, Station Name, A° AZ, Phase ID, Time, Res, ISC. Lists various stations like KSP Ksiaz, UPC Upice, DPC Dobruska-Polom, etc.

G C/N

IA 19 22:33:32.10.02S,160.06E,h131km,mb5.5/28  
DJA 19 22:33:20.6.0.1,9.95S,0.03x160.40E,0.02,h37km,  
h37km,2.3km,pp-P,n641,0.668/498,mb5.4/167,MS4.7/34,  
90C-78D,Bougainville - Solomon Islands region

Table with columns: Code, Station Name, A° AZ, Phase ID, Time, Res, ISC. Lists various stations like HNR Honiara, PMG Port Moresby, NOUC Port Laquerre, etc.

LUWI Luwuk 38.44 281 P P 22 40 39.5 +0.3  
GTOI Gorontalo 38.66 284 P P 22 40 42.0 +1.0  
MRSI Marisi 39.65 283 P P 22 40 48.3 -0.9

Table with columns: Code, Station Name, A° AZ, Phase ID, Time, Res, ISC. Lists various stations like BKSI Bulukumba, BNSI Bone, KAPI Kappang, etc.

GUC 19 22:10:10.5.0.7,32.48S,72.15W,h6km,0gkm,MD4.0,  
ML3.6,1C-2D,Off coast of central Chile

Table with columns: Code, Station Name, A° AZ, Phase ID, Time, Res, ISC. Lists various stations like IHA Instituto Hidir, CHNG Los Chungos, PTCH Petorca, etc.

WARRAMUNGA ARR 27.03 245 P P 22 38 59.6 +0.2  
WARRAMUNGA ARR 27.03 245 P P 22 38 59.0 -0.4  
WARRAMUNGA ARR 27.03 245 P P 22 38 59.5 +0.1

Table with columns: Code, Station Name, A° AZ, Phase ID, Time, Res, ISC. Lists various stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

IDC 19 22:33:14.1.0.4,9.98S,160.53E,h0km,mb5.3/27,  
mb1 5.4/29,mb1mx5.4/29,mbtmp5.3/29,ML4.7/2,MS4.5/20,  
Ms1 4.6/20,ms1mx4.4/31,Err ellipse: s-maj=12.7km  
s-min=11.7km az=91.0

MOS 19 22:33:18.4.0.8,9.86S,160.37E,h33km,mb5.6/40,  
MS4.7/5,Err ellipse: s-maj=8.3km s-min=6.9km az=79.5  
BUJ 19 22:33:18.3.9.49S,160.50E,h26km,MB5.4/32,mb5.3/51,  
Ms5.2/38,Ms7.4/39

ISCJB 19 22:33:18.0.0.1,9.95S,0.03x160.35E,0.02,h35km,  
ms4.4/167,MS4.7/34,Err ellipse: s-maj=4.4km  
s-min=3.1km az=165.8

NEIC 19 22:33:20.1.0.1,9.96S,160.40E,mb5.4/105,MS4.8/2,  
Err ellipse: s-maj=4.2km s-min=3.4km az=139.0

NEIC Felt [I] at Honiara.

GCMT 19 22:33:22.6.0.2,10.12S,160.33E,h35km,MW5.2,  
Moment Tensor Solution, s68,c108, s80,c135; Moment  
forrest: Scale 10^16Nm; Mr5.18±.21; Mw0.45±.16;  
Mw0.05±.16; Mw0.48±.22; Mw0.54±.13; Mw0.50±.20;  
Best double couple: M0:8.00000x1016 Np1:0.336000000\*,  
0.4000000\*,1.14200000\*. NP2:0.9700000\*,0.6700000\*,  
1.5700000\*. Principal axes: T:8.1100, P:65.50000\*,  
Az=324.00000\*, N:1.2700, P:63.00000\*, Az=3.00000\*,  
P:-9.3800, P:61.50000\*, Az=211.00000\*; Data Used: II IU IC

Table with columns for station name, frequency, power, and other technical details. Includes stations like IPM, MDJ, CN2, GYA, ENH, etc.

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

Table with columns for station name, frequency, power, and other technical details. Includes stations like SLKM, RAMM, SEW, RC01, JIRN, etc.





Code	Station Name	AZ	Phase ID	Time Res	ISC	h m s	ISC
KLXI	Cibinong	2.49 95	S	Sn	00 04 03.5	+3.0	
CGJI		4.03 122	P	Pn	00 03 52.8	+0.4	
CGJI			S	Pn	00 04 37.4	-1.0	
PPI	Padang Panjang	4.41 335	P	P	00 03 59.0	+1.3	
LEM	Lembang	5.83 314	P	Px	00 04 32.5		
MNSI	Mandiri Nat	5.83 333	P	Pn	00 04 17.9	+0.0	
	0.4nm,2j,3sm,0.6s						
CISI	Cisompot, Garu	6.32 119	P	P	00 04 24.0	+0.1	
	0.7nm,3um,8sm,0.6s						
MYKOM	Kota Tinggi	6.44 14	P	Pn	00 04 27.9	+2.4	
	0.2nm,5sm,0.8s						
XMIS	Christmas Isia	6.84 151	P	Pn	00 04 25.9	-5.1	
	1.7nm,20m,1.0s						
UGM	Wanagama	8.91 113	P	Pn	00 04 59.3	-0.0	
	63m,1.3s						
IPM	Ipoah	8.99 352	Pn	Pn	00 04 55.5	-5.0	
TPTI		9.21 327	P	Pn	00 05 03.9	+0.4	
	15m,0.6s						
COCO	West Island	9.33 215	ePn	Pn	00 05 02.7	-2.4	
COCO		9.61 113	eS	Sn	00 06 48.6	+0.0	
GMJI	Gumukmas	11.75 109	P	Pn	00 05 38.6	+0.4	
	21m,1.0s						
JAGI	Jajag, Banyuwya	12.47 109	P	Pn	00 05 47.3	-0.8	
	31m,1.2s						
KAPI	Kappang	17.46 92	LR	LR	00 13 42.7		
	comp=Z,23nm,19.0s,baz=202,slo=98						
PCI	Palu	17.93 79	P	P	00 07 11.4	+0.4	
KDI	Kendari	20.33 89	P	P	00 07 31.6	+6.6	
GTOI	Gorontalo	21.37 77	P	P	00 07 36.4	+0.2	
CMAR	Chiang Mai Arr	23.03 352	P	P	00 07 52.7	-1.1	
	2.6nm,0.8s,mb3.7,baz=184,slo=8.7,SNR=14						
CMAR	Chiang Mai Arr	23.03 352	P	P	00 07 52.7	-1.1	
	3.6nm,0.5s,mb4.2,baz=314,slo=7.7,SNR=14						
FITZ	Fitzroy Crossi	26.58 122	eP	P	00 08 26.5	+0.1	
	6.3nm,0.9s,mb4.3						
TAPN	Taplejung	34.63 337	eP	P	00 09 37.7	+0.5	
	6.8nm,0.4s,mb4.9						
TAPN	Taplejung	34.63 337	eP	P	00 09 37.7	+0.5	
	6.8nm,0.4s,mb4.9						
RAMN	Ramite	34.73 335	eP	P	00 09 38.8	+0.7	
	6.4nm,0.3s,mb4.9						
RAMN	Ramite	34.73 335	eP	P	00 09 38.8	+0.7	
	5.4nm,0.3s,mb5.0						
WRA	Warramunga Arr	34.82 119	P	P	00 09 38.9	-0.2	
	0.7nm,0.3s,mb4.1,baz=298,slo=3.1,SNR=41						
WRA	Warramunga Arr	34.82 119	P	P	00 09 38.9	-0.2	
	3.6nm,0.5s,mb4.2,baz=314,slo=7.7,SNR=14						
WB2	Warramunga Arr	34.83 119	eP	PP	00 09 38.7	-0.4	
	5.4nm,0.3s,mb4.9						
WB2	Warramunga Arr	34.83 119	eP	PP	00 10 57.0	-2.0	
	5.4nm,0.3s,mb4.9						
JIRN	Jiri	35.52 335	eP	P	00 09 45.5	+0.6	
	9.2nm,0.3s,mb5.1						
JIRN	Jiri	35.52 335	eP	P	00 09 45.5	+0.6	
	9.2nm,0.3s,mb5.2						
GUN	Gumba	35.87 335	eP	P	00 09 48.5	+0.6	
	18nm,0.4s,mb5.4						
GUN	Gumba	35.87 335	eP	P	00 09 48.5	+0.6	
	18nm,0.4s,mb5.4						
ASAR	Alice Springs	35.99 125	P	P	00 09 49.0	0.0	
	5.5nm,0.5s,mb4.2,baz=295,slo=7.9,SNR=18						
ASAR	Alice Springs	35.99 125	P	P	00 09 49.0	0.0	
	5.5nm,0.5s,mb4.2,baz=295,slo=7.9,SNR=18						
AS31	Alice Springs	35.99 125	eP	P	00 09 49.0	-0.1	
	5.5nm,0.5s,mb4.2,baz=295,slo=7.9,SNR=18						
AS31	Alice Springs	35.99 125	eP	P	00 09 57.2		
	5.5nm,0.5s,mb4.2,baz=295,slo=7.9,SNR=18						
KKK	Kakani	36.02 334	eP	P	00 09 49.2	0.0	
	5.5nm,0.5s,mb4.2,baz=295,slo=7.9,SNR=18						
KKK	Kakani	36.02 334	eP	P	00 09 49.2	0.0	
	5.5nm,0.5s,mb4.2,baz=295,slo=7.9,SNR=18						
GKN	Gorkha	36.49 333	eP	P	00 09 53.7	+0.5	
	6.8nm,0.3s,mb5.1						
GKN	Gorkha	36.49 333	eP	P	00 09 53.7	+0.5	
	6.8nm,0.3s,mb5.1						
KOLN	Koldanda	36.77 332	eP	P	00 09 56.4	+0.8	
	6.8nm,0.3s,mb5.1						
KOLN	Koldanda	36.77 332	eP	P	00 09 56.4	+0.8	
	6.8nm,0.3s,mb5.1						
DANN	Dangsing	37.19 332	eP	P	00 09 59.5	+0.4	
	14nm,0.4s,mb5.1						
DANN	Dangsing	37.19 332	eP	P	00 09 59.5	+0.4	
	14nm,0.4s,mb5.1						
STKA	Stephens Creek	45.83 131	P	P	00 11 10.8	+0.9	
	2.1nm,0.5s,mb4.3,baz=309,slo=8.7,SNR=8.7						
STKA	Stephens Creek	45.83 131	eP	P	00 11 10.4	+0.4	
	2.1nm,0.5s,mb4.3,baz=309,slo=8.7,SNR=8.7						
SOMN	Songino Array	52.23 4	P	P	00 11 57.6	-0.9	
	3.1nm,0.6s,mb3.3,baz=174,slo=7.1,SNR=0.7						
SOMN	Songino Array	52.23 4	P	P	00 11 57.6	-0.9	
	3.1nm,0.6s,mb3.3,baz=174,slo=7.1,SNR=0.7						
TOKM	Tokmak 2	53.00 336	eP	P	00 12 04.4	+0.1	
	2.3nm,0.4s,mb4.5						
EKSZ	Elk-Sar	53.56 334	eP	P	00 12 08.4	-0.1	
	3.0nm,0.6s,mb4.4						
MK31	Makanchi Array	54.03 343	eP	P	00 12 11.0	-0.8	
	2.2nm,0.6s,mb4.3,baz=151,slo=8.6,SNR=36						
MKAR	Makanchi Array	54.03 343	eP	P	00 12 10.9	-0.9	
	2.2nm,0.6s,mb4.3,baz=151,slo=8.6,SNR=36						
MKUR	Makanchi Array	54.03 343	eP	P	00 12 10.9	-0.9	
	2.2nm,0.6s,mb4.3,baz=151,slo=8.6,SNR=36						
MKUR	Kurchatov	58.62 343	eP	P	00 12 43.9	-0.6	
	4.1nm,0.8s,mb4.5						
ZAAO	Zalesovo Array	60.03 348	eP	P	00 12 52.4	-1.7	
	2.9nm,0.6s,mb4.3,baz=177,slo=3.3,SNR=23						
ZALV	Zalesovo Beam	60.03 348	eP	P	00 12 52.9	-1.2	
	2.9nm,0.6s,mb4.3,baz=177,slo=3.3,SNR=23						
ZALV	Zalesovo Beam	60.03 348	eP	P	00 12 52.9	-1.1	
	2.9nm,0.6s,mb4.3,baz=177,slo=3.3,SNR=23						
ABKAR	Abkular array	64.89 331	eP	P	00 13 25.4	-1.3	
	2.8nm,0.5s,mb4.5						
LBTB	Lobatse	76.02 245	P	P	00 14 36.6	+1.6	
	1.8nm,0.5s,mb4.1,baz=108,slo=3.2,SNR=2.8						
LBTB	Lobatse	76.02 245	eP	P	00 14 37.1	+2.0	
	1.8nm,0.5s,mb4.1,baz=108,slo=3.2,SNR=2.8						
BOSA	Boshof	76.44 242	P	P	00 14 38.9	+1.4	
	1.1nm,0.6s,mb3.9,baz=81,slo=5.6,SNR=4.3						
BOSA	Boshof	76.44 242	eP	P	00 14 38.9	+1.4	
	1.1nm,0.6s,mb3.9,baz=81,slo=5.6,SNR=4.3						
BRTR	Reskin Array B	76.64 312	P	P	00 14 38.3	0.0	
	0.7nm,0.8s,mb3.6,baz=124,slo=4.4,SNR=4.7						
BRTR	Reskin Array B	76.64 312	P	P	00 14 38.3	0.0	
	0.7nm,0.8s,mb3.6,baz=124,slo=4.4,SNR=4.7						
TXAR	Lajitas Array	145.18	42 PKPbc	PKPbc	00 22 25.3	+0.4	
	0.7nm,0.5s,baz=252,slo=1.7,SNR=9.5						
<p>ISCJB 20 00:06:50.2,0.3,71.01N,0.03:7.06W,0.0:0.6,h10km, mb4.0/27,MS3.4/3,Error ellipse: s-maj=4.5km s-min=2.8km,az=171.3</p> <p>NAO 20 00:06:50.6,1.3,70.96N,6.92W,ML3.0 SZGRF 20 00:06:50.3,70.75N,9.57W,h33km,mb4.4,MS3.6,Jan Mayen Island region</p> <p>CSEM 20 00:06:51.4,0.1,70.90N,7.04W,h2km,mb4.3/14,Error ellipse: s-maj=4.8km s-min=3.6km,az=173.0</p> <p>BER 20 00:06:52.7,3.4,70.83N,7.18W,h10km,MD2.9,ML3.5,ML3.0(NAO)</p> <p>IDC 20 00:06:52.8,0.7,70.82N,6.93W,h0km,mb3.7/11, mb1.4/0.14,mb1mx3.9/29,mbmp3.9/14,ML3.6/2.6,MS3.5/3,MS1.3/6.3,ms1mx3.1/33,Error ellipse: s-maj=2.5km s-min=1.3km,az=50.0</p> <p>NEIC 20 00:06:54.0,0.4,70.90N,6.51W,h10km,mb4.4/3,Error ellipse: s-maj=9.0km s-min=5.7km,az=88.0</p> <p>REY 20 00:06:57.1,70.26N,7.21W,h10km,ML.4.1,ML3.4</p> <p>ISC 20 00:06:52.0,0.2,70.95N,0.03:7.15W,0.06,h10km,n228, c126/248,mb4.0/27,MS3.3/3,1C-5D,Jan Mayen Island region</p>							
Code	Station Name	AZ	Phase ID	Time Res	ISC	h m s	ISC
ESK	Jan Mayen East	0.38 277	J/P	Pg	00 07 00.2	+0.2	
JNE	Jan Mayen East	0.38 277	J/P	Pg	00 07 00.2	+0.3	
	SNR=103						
JNW	Jan Mayen West	0.43 281	J/P	Pg	00 07 00.8	0.0	
JNW	Jan Mayen West	0.43 281	J/P	Pg	00 07 00.8	0.0	
	SNR=101						
JMIC	Jan Mayen	0.45 275	Pg	Pg	00 07 01.1	0.0	
JMIC	Jan Mayen	0.45 275	Pg	Pg	00 07 01.1	0.0	
JMIC	Jan Mayen	0.45 275	eS	Sg	00 07 01.0	-0.2	
JMIC	Jan Mayen	0.45 275	eS	Sg	00 07 02.2	+0.1	
	comp=Z,43um,0.3s						
JMIC	Jan Mayen	0.45 275	Pn	Pg	00 07 00.7	-0.5	
	comp=Z,2j,0.3s,baz=150,slo=18,SNR=327						
JMIC	Jan Mayen	0.45 275	Pn	Sg	00 07 07.1	0.0	
	comp=Z,13um,0.3s,baz=135,slo=17,SNR=274						
JMIC	Jan Mayen	0.45 275	Pn	Pg	00 07 00.7	-0.5	
JMIC	Jan Mayen	0.45 275	Pn	Pg	00 07 00.7	-0.5	
JMIC	Jan Mayen	0.45 275	Pg	Pg	00 07 01.1	-0.1	
JMIC	Jan Mayen	0.45 275	Pg	Pg	00 07 02.2	+0.1	
	comp=Z,43um,0.3s,SNR=101						
JMIC	Jan Mayen	0.52 268	eP	Pg	00 07 07.2	0.0	
JMI	Jan Mayen	0.52 268	eP	AML	00 07 02.6	0.0	
	comp=Z,23um,0.4s						
JMI	Jan Mayen	0.52 268	eP	Pg	00 07 02.6	0.0	
	SNR=100						
SCO							

20d 1h

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

ISJCJB 20 00:21:03.6:0.8, 36.92N:0.05:28.28E:0.05, h10km, Error ellipse: s-maj=7.3km s-min=4.8km az=28.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like YER Yerkesik, TURN Turunc, DAT Data, etc.

MAN 20 00:24:29.6:50N:126.72E, h36km, mb4.1, ML3.0, MS2.7, 1C, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MATI Mati, GSPH General Santos, BUKP Musuan, etc.

ISK 20 00:53:10.8, 40.88N:35.95E, h17km, ML1.7 Error ellipse: s-maj=21.5km s-min=6.1km az=2.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KVT Kavak, HAVZ Havza, ERBA Erbaa, etc.

ISJCJB 20 01:07:30.3:3.3, 57.9S:0.1:26.1W:0.2, h17km, 33km, mb4.2/13, Error ellipse: s-maj=19.8km s-min=16.0km az=20.2

ISC 20 01:07:31.5:5.4, 57.9S:26.09W, h110km, 48km, mb4.0/8, mb1.4/0.9, mb1mx3.9/16, mbtrmp3.9/9, Error ellipse: s-maj=18.9km s-min=18.9km az=53.0

NEIC 20 01:07:32.0:1.9, 57.89S:26.12W, h116km, 17km, mb4.1/10, Error ellipse: s-maj=9.8km s-min=7.8km az=216.0

ISC 20 01:07:32.0:3.2, 57.9S:0.1:26.1W:0.2, h115km, 33km, n48, c058/28, mb4.2/13, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VNA1 Neumayer-Stat, VNA2 Neumayer-Watz, QSPA South Pole Qui, etc.

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

ISJCJB 20 01:08:55.0:0.3, 30.08S:0.02:70.77W:0.07, h93km, 3km, mb3.7/8, Error ellipse: s-maj=9.4km s-min=4.0km az=2.3

GUC 20 01:08:55.8:0.8, 30.09S:70.73W, h82km, 3km, ML4.5 NEIC 20 01:08:55.0, 30.14S:70.72W, h82km, mb4.0/5, After GUC. NEIC Felt [V] at Coquimbo and La Serena; [III] at Andacollo, La Higuera and Vicuna.

ISC 20 01:08:56.7:0.9, 30.12S:70.75W, h86km, 7km, mb3.4/5, mb1.3/7.0, mb1mx3.6/19, mbtrmp3.5/9, Error ellipse: s-maj=25.1km s-min=10.2km az=47.0

ISC 20 01:08:56.1:0.3, 30.09S:0.02:70.76W:0.06, h86km, 3km, n54, c083/59, mb3.7/8, 4C-3D, Chile-Argentina border region

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

CHNG Los Chungos 1.90 199 eP Pn 01 09 26.9 +0.2 CHNG Petorca 2.17 184 iP Ss 01 09 30.6 +0.1

CFAA Coronel Fонтен 2.65 125 P S 01 09 37.7 +1.0 CFAA Coronel Fонтен 2.65 125 P S 01 09 37.7 +1.0

ROCH El Roble 2.88 184 eP Ss 01 09 40.0 0.0 ROCH El Roble 2.88 184 eP Ss 01 10 14.1 +0.4

CDCH Caldera 3.01 359 eP Ss 01 09 41.9 +0.2 CDCH Caldera 3.01 359 eP Ss 01 10 16.9 +0.2

PEL Peidehue 3.05 179 AML AML 01 10 38.4 FCH Farellones 3.25 173 AML AML 01 10 37.2

CLCH Cerro Calan 3.30 177 AML AML 01 10 43.0 RCDM Rinconada Maip 3.39 181 AML AML 01 10 46.1

ANTU Antumapu 3.47 178 AML AML 01 10 46.3 LVC Limon Verde 7.63 13 eP Ss 01 10 43.0 -1.6

Paso Flores 10.62 179 ePn Pn 01 11 23.1 -2.1 TRQA Torunquist 10.78 140 ePn Pn 01 11 26.1 -1.2

CPUP Villa Florida 12.42 76 ePn Pn 01 11 49.0 -0.7 LPAZ La Paz 13.95 11 ePn Pn 01 12 11.3 +1.4

SIV San Ignacio 16.61 34 P Pn 01 12 43.5 -0.3 SIV San Ignacio 16.61 34 P Pn 01 12 43.5 -0.3

VNA2 Neumayer-Watz 53.22 158 eP Pn 01 18 05.2 +0.1 SNA4 Sanae 54.81 159 eP Pn 01 18 17.7 +1.0

836

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

CSEM 20 01:14:07.0:1.2, 15N:44.64E, h5km, ML3.6, After DHMR DHMR 20 01:14:07.0:1.3, 12.15N:44.64E, h6km, 6km, ML3.6, 5C, Western Arabian Peninsula

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

TRN 20 01:20:19.9, 17.10N:60.35W, h19km, MD3.7, M3.8(FDF), M3.3(FDF), Leeward Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DEG La Desirade, DEG Port Louis, DEG Boggy Peak, etc.

CSEM 20 01:20:32.3:0.1, 41.91N:23.12E, h2km, ML2.1, Error ellipse: s-maj=3.3km s-min=1.9km az=73.0

SKO 20 01:20:33.1, 41.93N:23.03E, h6km, M2.0, ML2.2 ATH 20 01:20:34.1, 41.81N:23.15E, h5km, 3km, MD3.4/4

VTS Vitosh 0.68 5 eP Sg 01 20 45.9 +0.1 VTS Vitosh 0.68 5 eP Sg 01 20 45.9 +0.1

VAY Valandovo 0.72 215 iP Sg 01 20 45.7 -0.5 VAY Valandovo 0.72 215 iP Sg 01 20 55.7 +0.2

KNT Kendrickon 0.77 193 P Sg 01 20 47.1 0.0 KNT Kendrickon 0.77 193 P Sg 01 20 57.2 +0.2

NVR Neurokopi 0.79 135 eP Sg 01 20 47.8 +0.3 NVR Neurokopi 0.79 135 eP Sg 01 20 57.7 0.0

SRR Serrai 0.87 156 P Sg 01 20 49.1 +0.1 SRR Serrai 0.87 156 P Sg 01 20 49.1 +0.1

GRG Griva 1.10 210 P Sg 01 21 08.0 +0.4 GRG Griva 1.10 210 P Sg 01 21 08.0 +0.4

SOH Sokhos 1.10 171 eP Sg 01 21 08.7 +0.9 SOH Sokhos 1.10 171 eP Sg 01 21 08.7 +0.9

PLD Plovdiv 1.19 80 P Sg 01 21 08.7 +0.9 PLD Plovdiv 1.19 80 P Sg 01 21 08.7 +0.9

THE Thessaloniki 1.28 185 P Sg 01 21 08.7 +0.9 THE Thessaloniki 1.28 185 P Sg 01 21 08.7 +0.9









Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DREZ Durham Road, DUWZ D'Urville Isla, etc.

GUC 20 05:52:35.4.0.6, 32.53'S, 72.00'W, h26km, 3km, MD3.9, ML3.5, 3.2, Near coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IHA Instituto Hidir, IHA Los Chungos, etc.

ISC/JB 20 06:00:56.3.0.6, 14.69'N, 05:93.87'W, 0.03, h10km, mb4.0/15, MS3.2/3, Error ellipse: s-maj=7.4km s-min=4.8km az=4.2

IDC 20 06:00:57.6.1.7, 15.06'N, 93.32'W, h0km, mb3.9/12, mb1.4, 1/14, mb1mx4.0/24, mbmp3.9/14, ML3.7/2, MS3.2/4, Ms1.3/2.4, ms1mx2.8/3.4, Error ellipse: s-maj=66.4km s-min=16.3km az=46.0

MEX 20 06:01:00.0.0.8, 14.70'N, 93.94'W, h16km, 1.4km, MD4.3 NEIC 20 06:01:00.6, 14.72'N, 93.93'W, h8km, mb4.1km, MD4.3, MD4.3(MEX), After MEX

ISC 20 06:00:57.9.0.6, 14.73'N, 05:93.83'W, 0.04, h10km, m57, e1337/65, mb4.0/15, MS3.2/3, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PCIG 20 06:01:14.31, THIG 20 06:01:15.2, TGIG 20 06:01:2.15, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MIAR Mount Ida, GDLL Guadalupe Moun, MNTX Coruda Mount, etc.

PRE 20 06:03:56.6.0.8, 28.74'S, 32.82'E, h5km, ML3.6, South Africa

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like POGA Pongola, ERPM east rand prop, SLR Silverton, etc.

BUI 20 06:10:27.8, 30.43'S, 177.16'W, h5km, mB5.6/18, mb5.3/19, MS5.4/12, Ms7.4, 9/13

IDC 20 06:10:27.2, 0.6, 31.08'S, 177.80'W, h0km, mb4.6/13, mb1.4, 7/14, mb1mx4.7/18, mbmp4.6/14, ML3.0/1, MS4.5/20, Ms1.4/2.0, ms1mx4.2/34, Error ellipse: s-maj=20.4km s-min=16.6km az=154.0

ISC/JB 20 06:10:30.5.2.1, 31.66'S, 0.04, 177.67'W, 0.07, h33km, 1.3km, mb4.9/39, MS4.6/27, Error ellipse: s-maj=10.3km s-min=5.1km az=20.3

MOS 20 06:10:32.0.1.4, 31.04'S, 177.84'W, h33km, mb5.1/14, Error ellipse: s-maj=14.6km s-min=10.3km az=95.2

GCMT 20 06:10:32.5.0.3, 31.07'S, 177.37'W, h19km, 1km, MW5.0, Moment Tensor Solution. s29, c36; s60, c81; Moment tensor: Scale 10^19Nm. Mr2.46E-19; Mw0.25E-13; Mw-2.71E-13; Mn-0.34E-34; Mm-0.84E-09; Ml2.85E-31; Dip: 165.000000; Dip-slit double couple: 10.000000, 10.000000, 10.000000; s25.000000; i122.000000; NP23.359.000000; 869.000000; 1.76.000000. Principal axes: T: 3.8400, P1g3.0000, Azm246.0000; N: 0.2200, P1g3.0000; Azm4.0000; P: -4.0700, P1g23.0000; Azm99.0000; Data Used: II; G U CN IC.

NEIC 20 06:10:33.3.1.3, 31.05'S, 177.79'W, h39km, 1.0km, mb4.9/22 Error ellipse: s-maj=11.0km s-min=7.3km az=134.0

ISC 20 06:10:31.8.2.1, 31.55'S, 0.04, 177.66'W, 0.07, h30km, 1.4km, n241, e132/137, mb4.9/39, MS4.6/27, 4C-6D, Kermadec Islands region

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

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











Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like IVAS, NVLJ, GRUZ, SELS, etc.

ISCJB 20 07:48:08.7 0.6 40.16N:04:25.12E:0.03,h10km,5km, Error ellipse: s-maj=6.0km s-min=4.0km az=2.7

CSEM 20 07:48:08.9 0.2 40.14N:25.10E,h15km,ML2.2/5, Error ellipse: s-maj=4.7km s-min=2.8km az=5.0

ISK 20 07:48:08.4 4.0 14N:25.13E,h13km,MD2.9

THE 20 07:48:09.1, 40.18N:25.09E,h7km,1km,ML2.2/5, Error ellipse: s-maj=1.6km s-min=0.6km az=138.0

DDA 20 07:48:09.5, 40.40N:25.40E,h7km,5km,MD2.8

ISC 20 07:48:09.0 0.5 40.15N:04:25.10E:0.03,h15km,5km, n35, r074/54, Aegean Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like LIA, BOZC, OUR, KAVA, ENEZ, etc.

IDC 20 08:55:14.9 0.8 42.13S:16.12W,h0km,mb4.0/B, mb1.4/1.8, mb1mx4.0/13, mbmp4.0/B, MS4.1/1.0, MS1.4/0.10, ms1mx3.9/16, Error ellipse: s-maj=30km, s-min=20.2km az=180.0

ISCJB 20 08:55:16.1 0.6 41.8S:0.1:16.2W:0.1,h10km,mb2.1/10, MS4.1/1.0, Error ellipse: s-maj=18.8km s-min=15.1km az=21.1

NEIC 20 08:55:17.6 0.6 41.73S:16.14W,h10km,mb4.5/5, Error ellipse: s-maj=21.8km s-min=16.9km az=188.0

ISC 20 08:55:18.0 0.6 41.8S:0.1:16.2W:0.1,h10km,n33, r089/19, mb4.2/10, MS4.1/1.0, Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SUSA, BOSL, BOSB, CPUP, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like ILAR, COLA, TRF, TNA.

NEIC 20 08:58:57.0 0.39:88S:175.11E,h72km,ML3.6(WEL), After WEL

WEL 20 08:58:57.0 0.2 39:89S:175.12E,h72km,3km,ML3.6/17, Error ellipse: s-maj=1.0km s-min=0.7km az=90.0, North Island

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

ISCJB 20 09:12:27.1 0.4 46:00N:01:01:07W:0.02,h1km,2km, Error ellipse: s-maj=2.9km s-min=2.2km az=150.4

CSEM 20 09:12:29.8 0.1, 46:00N:07:17W,h10km,ML3.1/25, Error ellipse: s-maj=2.5km s-min=1.9km az=60.0

LDG 20 09:12:31.1 0.1, 46:00N:07:27W,h2km,MD2.9/3, Error ellipse: s-maj=1.0km s-min=0.8km az=63.0

NEIC 20 09:12:31.1, 46:00N:07:27W,h2km,ML3.0(LDG), After LDG

STR 20 09:12:33.4 0.3, 46:01N:07:55W,h5km,ML2.9, Error ellipse: s-maj=0.6km s-min=0.4km az=0.0

ISC 20 09:12:29.8 0.3, 46:00N:01:01:09W:0.02,h13km,2km, n135, r104/295, France

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like CHIF, MFF, LFF, RFF, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like Humbligny, La Druitiere, Ste Jean, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like LOR, LASF, MEZF, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other parameters. Includes stations like BVAR, YKA, FINES, etc.





Table with columns: GAMB, Gambell, 38.69 31 eP, P, 10 36 47.0 +1.7, comp=Z,7.9nm,0.8s

Table with columns: MKAR, Makanchi Array, 45.12 303 P P, 10 37 37.9 -0.2, comp=Z,374nm,1.1s

Table with columns: COLA, College, 49.03 32 eP, P S, 10 38 08.7 +0.3, comp=Z,16um,20.0s,MS6.0



Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like BVAR, UCH, BRVK, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like KHET, SVE, CTA, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like MBWA, BJO, YKA, etc.





K18A	Toltan Ranch, baz=77, SNR=16	77.18	46	↑P	P	10 41 15.5 -0.3	
RSDY	Resadiye-TOKAT	77.19	311	eP	P	10 41 17.2 +1.3	
H20A	Greybull	77.19	44	↓P	P	10 41 15.2 -0.7	
BER	Bergen	77.22	340	eS	S	10 51 06.6 +0.7	
BER				AMS	AMS	11 20 51.4	
FMP	Fort Macarthur	77.28	58	↑P	P	10 41 16.2 -0.3	
ELZG	Elazig	77.30	309	↑P	P	10 41 17.4 +0.9	
F22A	Rosebud	77.33	42	↓P	P	10 41 16.0 -0.6	
SHOC	Shoshone	77.36	55	↑P	P	10 41 16.1 -0.9	
GSC	Goldstone	77.36	55	↑P	P	10 41 16.7 -0.2	
GSC	Goldstone	77.36	55	eP	P	10 41 17.2 +0.3	
GSC	Goldstone	77.36	55	eP	P	10 41 17.2 +0.3	
J19A	Crowheart	77.36	45	↓P	P	10 41 16.8 -0.1	
ERBA	Erbaa	77.36	311	↑P	P	10 41 17.2 +0.3	
PD02	Pinedale Array	77.37	46	eP	P	10 41 16.6 -0.2	
E23A	Ismay	77.38	41	↓P	P	10 41 16.5 -0.4	
BW06	Boulder Array	77.38	46	eP	P	10 41 16.4 -0.5	
BW06	Boulder Array	77.38	46	eP	P	10 41 14.6 -2.4	
BW06				LR	LR		
PDAR	Pinedale Array	77.38	46	P	P	10 41 16.9 -0.1	
PDAR				PKPPKP	PKPPKP	11 08 21.7	
PDAR				LR	LR	11 09 53.0	
PDAR				baz=330,slow=31			
PDAR				77.38	46	↑P	10 41 16.9 -0.1
PDAR				77.38	46	↑P	11 03 21.7
CIS	Catalina Islan	77.38	58	↑P	P	10 41 16.8 -0.3	
BFSO	Mount Baldy Ra	77.41	57	↓P	P	10 41 16.7 -0.6	
I20A	Worland	77.46	44	↓P	P	10 41 17.3 -0.1	
RRX	Edison Barstow	77.47	56	↓P	P	10 41 17.0 -0.6	
D24A	Glendive	77.49	40	↑P	P	10 41 17.1 -0.4	
M17A	O'Grain Ranch,	77.50	52	↑P	P	10 41 17.4 -0.3	
M17A	Scully's Gap (B	77.53	47	↑P	P	10 41 17.9 +0.1	
SCI	San Clemente I	77.53	58	↑P	P	10 41 17.5 -0.4	
KVT	Kavak	77.55	312	eP	P	10 41 18.9 +1.0	
JLU	Jordanelle	77.59	49	eP	P	10 41 18.7 +0.6	
L18A	Fontanelle, Gr	77.62	47	↑P	P	10 41 18.5 +0.2	
SCER	soqukermik	77.63	311	↑P	P	10 41 17.8 -0.6	
H21A	Big Horn, Sher	77.64	43	↓P	P	10 41 17.5 -0.8	
DKIM	Dikmen	77.67	313	eP	P	10 41 17.9 -0.6	
G22A	Birney	77.67	42	↓P	P	10 41 17.9 -0.6	
P15A	Leaming	77.72	50	↓P	P	10 41 19.1 +0.3	
HAVZ	Havza	77.75	312	↑P	P	10 41 19.3 +0.3	
TOKA	Tokat	77.75	311	↑P	P	10 41 19.1 0.0	
K19A	Absolon Red Bu	77.76	46	↓P	P	10 41 18.5 -0.5	
N17A	Moffit Pass	77.76	48	↑P	P	10 41 19.2 +0.1	
MALT	Malatya	77.76	309	eP	P	10 41 18.6 -0.5	
O16A	Springville	77.80	49	↓P	P	10 41 18.7 -0.6	
F23A	Volborg	77.83	42	↓P	P	10 41 18.1 -1.2	
DAU	Daniels Canyon	77.83	49	eP	P	10 41 20.4 +0.9	
DAU	Daniels Canyon	77.83	49	eP	P	10 41 20.4 +0.9	
DAU				pmax	pmax		
KIS	Kishinev	77.83	320	eP	P	10 41 20.0 +0.6	
KIS	Kishinev	77.83	320	eP	P	10 41 25.5 -3.8	
KIS	Kishinev	77.83	320	eP	P	10 44 20.0 +5.7	
KIS	Kishinev	77.83	320	eP	P	10 51 50.0	
KIS	Kishinev	77.83	320	eP	P	10 56 45.0 +3.3	
KIS	Kishinev	77.83	320	eP	P	11 00 30.0	
KIS	Kishinev	77.83	320	eP	P	11 06 20.0	
KIS	Kishinev	77.83	320	eP	P	10 41 20.0 +0.6	
KIS	Kishinev	77.83	320	eP	P	10 41 25.5	
KIS	Kishinev	77.83	320	eP	P	10 44 20.0	
KIS	Kishinev	77.83	320	eP	P	10 46 07.0	
KIS	Kishinev	77.83	320	eP	P	10 51 12.0 -1.1	
KIS	Kishinev	77.83	320	eP	P	10 51 50.0	
KIS	Kishinev	77.83	320	eP	P	10 41 20.0 +0.6	
KIS	Kishinev	77.83	320	eP	P	10 41 25.5	
KIS	Kishinev	77.83	320	eP	P	10 44 20.0	
KIS	Kishinev	77.83	320	eP	P	10 46 07.0	
KIS	Kishinev	77.83	320	eP	P	10 51 12.0 -1.1	
KIS	Kishinev	77.83	320	eP	P	10 51 50.0	
KIS	Kishinev	77.83	320	eP	P	10 41 20.0 +0.6	
KIS	Kishinev	77.83	320	eP	P	10 41 25.5	
KIS	Kishinev	77.83	320	eP	P	10 44 20.0	
KIS	Kishinev	77.83	320	eP	P	10 46 07.0	
KIS	Kishinev	77.83	320	eP	P	10 51 12.0 -1.1	
KIS	Kishinev	77.83	320	eP	P	10 51 50.0	
KIS	Kishinev	77.83	320	eP	P	10 41 20.0 +0.6	
KIS	Kishinev	77.83	320	eP	P	10 41 25.5	
KIS	Kishinev	77.83	320	eP	P	10 44 20.0	
KIS	Kishinev	77.83	320	eP	P	10 46 07.0	
KIS	Kishinev	77.83	320	eP	P	10 51 12.0 -1.1	
KIS	Kishinev	77.83	320	eP	P	10 51 50.0	
KIS	Kishinev	77.83	320	eP	P	10 41 20.0 +0.6	
KIS	Kishinev	77.83	320	eP	P	10 41 25.5	
KIS	Kishinev	77.83	320	eP	P	10 44 20.0	
KIS	Kishinev	77.83	320	eP	P	10 46 07.0	
KIS	Kishinev	77.83	320	eP	P	10 51 12.0 -1.1	
KIS	Kishinev	77.83	320	eP	P	10 51 50.0	
KIS	Kishinev	77.83	320	eP	P	10 41 20.0 +0.6	
KIS	Kishinev	77.83	320	eP	P	10 41 25.5	
KIS	Kishinev	77.83	320	eP	P	10 44 20.0	
KIS	Kishinev	77.83	320	eP	P	10 46 07.0	
KIS	Kishinev	77.83	320	eP	P	10 51 12.0 -1.1	
KIS	Kishinev	77.83	320	eP	P	10 51 50.0	
KIS	Kishinev	77.83	320	eP	P	10 41 20.0 +0.6	
KIS	Kishinev	77.83	320	eP	P	10 41 25.5	
KIS	Kishinev	77.83	320	eP	P	10 44 20.0	
KIS	Kishinev	77.83	320	eP	P	10 46 07.0	
KIS	Kishinev	77.83	320	eP	P	10 51 12.0 -1.1	
KIS	Kishinev	77.83	320	eP	P	10 51 50.0	
KIS	Kishinev	77.83	320	eP	P	10 41 20.0 +0.6	
KIS	Kishinev	77.83	320	eP	P	10 41 25.5	
KIS	Kishinev	77.83	320	eP	P	10 44 20.0	
KIS	Kishinev	77.83	320	eP	P	10 46 07.0	
KIS	Kishinev	77.83	320	eP	P	10 51 12.0 -1.1	
KIS	Kishinev	77.83	320	eP	P	10 51 50.0	
KIS	Kishinev	77.83	320	eP	P	10 41 20.0 +0.6	
KIS	Kishinev	77.83	320	eP	P	10 41 25.5	
KIS	Kishinev	77.83	320	eP	P	10 44 20.0	
KIS	Kishinev	77.83	320	eP	P	10 46 07.0	
KIS	Kishinev	77.83	320	eP	P	10 51 12.0 -1.1	
KIS	Kishinev	77.83	320	eP	P	10 51 50.0	
KIS	Kishinev	77.83	320	eP	P	10 41 20.0 +0.6	
KIS	Kishinev	77.83	320	eP	P	10 41 25.5	
KIS	Kishinev	77.83	320	eP	P	10 44 20.0	
KIS	Kishinev	77.83	320	eP	P	10 46 07.0	
KIS	Kishinev	77.83	320	eP	P	10 51 12.0 -1.1	
KIS	Kishinev	77.83	320	eP	P	10 51 50.0	
KIS	Kishinev	77.83	320	eP	P	10 41 20.0 +0.6	
KIS	Kishinev	77.83	320	eP	P	10 41 25.5	
KIS	Kishinev	77.83	320	eP	P	10 44 20.0	
KIS	Kishinev	77.83	320	eP	P	10 46 07.0	
KIS	Kishinev	77.83	320	eP	P	10 51 12.0 -1.1	
KIS	Kishinev	77.83	320	eP	P	10 51 50.0	
KIS	Kishinev	77.83	320	eP	P	10 41 20.0 +0.6	
KIS	Kishinev	77.83	320	eP	P	10 41 25.5	
KIS	Kishinev	77.83	320	eP	P	10 44 20.0	
KIS	Kishinev	77.83	320	eP	P	10 46 07.0	
KIS	Kishinev	77.83	320	eP	P	10 51 12.0 -1.1	
KIS	Kishinev	77.83	320	eP	P	10 51 50.0	
KIS	Kishinev	77.83	320	eP	P	10 41 20.0 +0.6	
KIS	Kishinev	77.83	320	eP	P	10 41 25.5	
KIS	Kishinev	77.83	320	eP	P	10 44 20.0	
KIS	Kishinev	77.83	320	eP	P	10 46 07.0	
KIS	Kishinev	77.83	320	eP	P	10 51 12.0 -1.1	
KIS	Kishinev	77.83	320	eP	P	10 51 50.0	
KIS	Kishinev	77.83	320	eP	P	10 41 20.0 +0.6	
KIS	Kishinev	77.83	320	eP	P	10 41 25.5	
KIS	Kishinev	77.83	320	eP	P	10 44 20.0	
KIS	Kishinev	77.83	320	eP	P	10 46 07.0	
KIS	Kishinev	77.83	320	eP	P	10 51 12.0 -1.1	
KIS	Kishinev	77.83	320	eP	P	10 51 50.0	
KIS	Kishinev	77.83	320	eP	P	10 41 20.0 +0.6	
KIS	Kishinev	77.83	320	eP	P	10 41 25.5	
KIS	Kishinev	77.83	320	eP	P	10 44 20.0	
KIS	Kishinev	77.83	320	eP	P	10 46 07.0	
KIS	Kishinev	77.83	320	eP	P	10 51 12.0 -1.1	
KIS	Kishinev	77.83	320	eP	P	10 51 50.0	
KIS	Kishinev	77.83	320	eP	P	10 41 20.0 +0.6	
KIS	Kishinev	77.83	320	eP	P	10 41 25.5	
KIS	Kishinev	77.83	320	eP	P	10 44 20.0	
KIS	Kishinev	77.83	320	eP	P	10 46 07.0	
KIS	Kishinev	77.83	320	eP	P	10 51 12.0 -1.1	
KIS	Kishinev	77.83	320	eP	P	10 51 50.0	
KIS	Kishinev	77.83	320	eP	P	10 41 20.0 +0.6	
KIS	Kishinev	77.83	320	eP	P	10 41 25.5	
KIS	Kishinev	77.83	320	eP	P	10 44 20.0	
KIS	Kishinev	77.83	320	eP	P	10 46 07.0	
KIS	Kishinev	77.83	320	eP	P	10 51 12.0 -1.1	
KIS	Kishinev	77.83	320	eP	P	10 51 50.0	
KIS	Kishinev	77.83	320	eP	P	10 41 20.0 +0.6	
KIS	Kishinev	77.83	320	eP	P	10 41 25.5	
KIS	Kishinev	77.83	320	eP	P	10 44 20.0	
KIS	Kishinev	77.83	320	eP	P	10 46 07.0	
KIS	Kishinev	77.83	320	eP	P	10 51 12.0 -1.1	
KIS	Kishinev	77.83	320	eP	P	10 51 50.0	
KIS	Kishinev	77.83	320	eP	P	10 41 20.0 +0.6	
KIS	Kishinev	77.83	320	eP	P	10 41 25.5	
KIS	Kishinev	77.83	320	eP	P	10 44 20.0	
KIS	Kishinev	77.83	320	eP	P	10 46 07.0	
KIS	Kishinev	77.83	320	eP	P	10 51 12.0 -1.1	
KIS	Kishinev	77.83	320	eP	P	10 51 50.0	
KIS	Kishinev	77.83	320	eP	P	10 41 20.0 +0.6	
KIS	Kishinev	77.83	320	eP	P	10 41 25.5	
KIS	Kishinev	77.83	320	eP	P	10 44 20.0	
KIS	Kishinev	77.83	320	eP	P	10 46 07.0	
KIS	Kishinev	77.83	320	eP	P	10 51 12.0 -1.1	
KIS	Kishinev	77.83	320	eP	P	10 51 50.0	
KIS	Kishinev	77.83	320	eP	P	10 41 20.0 +0.6	
KIS	Kishinev	77.83	320	eP	P	10 41 25.5	
KIS	Kishinev	77.83	320	eP	P	10 44 20.0	
KIS	Kishinev	77.83	320	eP	P	10 46 07.0	
KIS	Kishinev	77.83	320	eP	P	10 51 12.0 -1.1	
KIS	Kishinev	77.83	320	eP	P	10 51 50.0	
KIS	Kishinev	77.83	320	eP	P	10 41 20.0 +0.6	
KIS	Kishinev	77.83	320	eP	P	10 41 25.5	
KIS	Kishinev	77.83	320	eP	P	10 44 20.0	
KIS	Kishinev	77.83	320	eP	P	10 46 07.0	
KIS	Kishinev	77.83	320	eP	P	10 51 12.0 -1.1	

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like BMR Baia Mare, KDZE Karadeniz Erezo, CRVS Cervenica-Dubn, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like MORC Moravsky Berou, SVRH Svirrhisar-ESK, DPC Dobruska-Polom, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like CLL GEMT Gemlik, SVLT Silivri, GZR Gura Zlata, etc.

20d 10h

Table with columns: MMAI, Mount Meron Ar, 82.96 306 P, P, 10 41 47.6 +0.4, etc. Lists various astronomical objects and their properties.

2008 DEC

Table with columns: PCCY, Paphos, 83.72 309 P, P, 10 41 50.6 -0.5, etc. Lists various astronomical objects and their properties.

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Table with columns: MEH, Mehetia, 84.92 116 eP, P, 10 41 57.4 +0.1, etc. Lists various astronomical objects and their properties.





Table with columns for call sign, frequency, power, and other technical details. Includes entries like QUIF, PGF, LBL, MFF, FRF, SLM, SMRF, ATD, LMR, FVM, OSFM, RJF, CAF, JCT, LASF, LFF, LRF, SIUC, MIAR, BLO, LONY, UALR, ERPA, MTLF, VSL, ACSO, GNAR, WCI, NCB, WDD, MDS, NATX, EPF, EPF, PKME.

Table with columns for call sign, frequency, power, and other technical details. Includes entries like LBNH, RESF, VIEF, WWT, ETSF, BINY, HKT, OXF, PLAL, VBM, TZTN, KEST, LRL, CBN, PBRG, PGAV, RKT, RKT, MVO, MVO, MVO, POLO, POLO, POLO, KMSC, ESDC, ESDC, ESDC, GOGA, BRAL, PAB, PAB, PAB, MTE, MTE, MTE, CNCC, PMRV, RER, PESTR, NHSC, PMTG, EVO, EVO, PMAFR, PMAFR, PMAFR, PBAR, EVOP, EVOP, EVOP, PNCL.

Table with columns for call sign, frequency, power, and other technical details. Includes entries like PNCL, PCVE, PVAQ, PBDV, MORF, PFVI, DRV, KMB, RTC, ABPO, CASY, TEIG, PAF, BBSR, MBAR, TAM, TGUH, GTBY, MTDJ, Vnda, Vnda, SBA, JTS, SDDR, TOR, TOR, TOR, MAW, MAW, RPN, BCIP, ANWB, MSKU, MSKU, FDF, SDV, LBTB, LBTB, GSPA, ROSC, ROSC, BBGH, GRGR, SACV, DBIC, DBIC, DBIC, DBIC, OTAV, BOSA, BOSA, BOSA.



20d 10h

MOS 20:10:48:27.9:0.9,36:89N:142:38E,h40km,mb5.2/79,Error ellipse: s-maj=7.4km s-min=4.6km az=116.9

ISC 20:10:48:24.3:1.0,36.59N,0.02:142.46E,0.02,1h2km,6km,h17km,3.3km,pp-P,e456,0.90/474,mb5.0/137,MS5.5/11,37C-18D,Off east coast of Honshu

Table with columns: Code, Station Name, Az, Zen, Phase ID, Time, Res. Lists stations like ONAJ, JFK, JHO, etc.

2008 DEC

Main table with columns: CLNS, Station Name, Az, Zen, Phase ID, Time, Res. Lists stations like WHN, HHC, YAKUTSK, etc.

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Table with columns: CMAR, Station Name, Az, Zen, Phase ID, Time, Res. Lists stations like ZAAO, ZALV, ZALV, etc.







Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PACH Papudo, IHA Instituto Hidir, CHNG Los Chungos, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SDCO Great Sand Dun, WUOZ Wupatki, MVAC MESA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GTA GTA, NJA Nanjing, HHC Hu-ho-hao-te, etc.

NEIC 20 11:29:35.8, 36:55N: 142:57E, h2km, MG3.4(JMA), After JMA.

JMA 20 11:29:35.8, 0.2: 36:55N: 142:57E, h2km, MG3.4, IDC 20 11:29:36.0, 1.4: 36:50N: 142:56E, h0km, mb3.6/4, mb1.3/8.6, mb1mx3.5/25, mbmtpp3.6/6, ML3.4/2, MS4.5/1, Ms1.4/5.1, ms1mx3.8/4.6, Error ellipse: s-maj=28.3km s-min=26.2km az=101.0

ISCJB 20 11:29:38.1, 0.9, 36:49N: 0:09:142:70E: 0:06, h33km, mb3.8/5, Error ellipse: s-maj=12.4km s-min=7.1km az=173.9

ISC 20 11:29:40.5: 0.9, 36:50N: 0:09:142:64E: 0:07, h35km, n24, r19129, mb3.8/5, Off east coast of Honshu

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

DJA 20 11:48:09, 1:02N: 127:71E, h29km, MLV3.9/9, Halmahera

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TNTI Ternate, LBMI Labuha, SGSI Sangihe, etc.

IDC 20 11:50:47.6: 0.7, 24:50S: 117:00W, h0km, mb3.7/5, mb1.4/0.5, mb1mx3.8/16, mbmtpp3.7/5, MS4.2/1, Ms1.4.2/1, ms1mx3.9/30, Error ellipse: s-maj=39.5km s-min=25.3km az=85.0, Southern East Pacific Rise

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RPN Rapa Nui, LPAZ La Paz, NVAR Mina Array, etc.

WEL 20 11:52:06.1+0.7,36.99S-177.32E,h178km,8km,ML3.6/3, 1C, Error ellipse: s-maj=9.4km s-min=9.1km az=90.0,

Table with columns: Code, Station Name, Az, AZZ, Phase ID, Time, Res, ISC. Rows include URZ Urewera, SNZ Naumai, PUK Puketiti, etc.

NEIC 20 11:53:06.1,38.73S-175.28E,h220km, MG4.1 (WEL), After WEL.

WEL 20 11:53:06.1+0.4,38.74S-175.25E,h220km,3km,ML4.1/17, 2C, Error ellipse: s-maj=2.0km s-min=2.0km az=90.0,

Main table listing station data for NEIC 20 11:53:06.1,38.73S-175.28E,h220km, MG4.1 (WEL), After WEL. Columns include Code, Station Name, Az, AZZ, Phase ID, Time, Res, ISC.

LBZ Lake Benmore 6.80 212 SN S 11 55 52.1 -10

ODZ Otahua Downs 7.18 207 PN Pn 11 54 45.5 -3.1

IDD 20 12:12:15.6+14.0,23.07S-179.81E,h534km,167km, mb3.1/5,mb1.3/3.5,mb1mx3.1/1.6,mbtmp3.1/5, Error ellipse: s-maj=98.5km s-min=56.9km az=165.0

ISCJB 20 12:12:16.3+9.3,23.2S:0.5-179.8E:0.4,h560km,35km, mb3.7/7, Error ellipse: s-maj=93.7km s-min=20.1km

NEIC 20 12:12:16.9+3.4,23.16S:179.87E,h559km,27km,mb4.3/2, Error ellipse: s-maj=78.2km s-min=17.0km az=148.0

ISC 20 12:12:17.3+3.8,23.2S:0.5-179.8E:0.4,h556km,33km, n19,c0f48/15,mb3.7/7,South of Fiji Islands

Table with columns: Code, Station Name, Az, AZZ, Phase ID, Time, Res, ISC. Rows include MSVF Nonavsu, CTAO Charters Tower, STKA Stephens Creek, etc.

ISCJB 20 12:20:44.3+0.5,35.64S:0.04-179.71W:0.07,h10km, mb4.7/15, Error ellipse: s-maj=8.4km s-min=5.3km

IDD 20 12:20:44.3+0.3,35.42S:179.79W,h0km,mb4.7/15, mb1.4/7.12,mb1mx4.6/18,mbtmp4.7/12,ML4.6/1,MS4.3/3, Ms1.4/3.3,ms1mx3.7/2.9, Error ellipse: s-maj=18.9km s-min=17.9km az=77.0

NEIC 20 12:20:48.5+3.5,35.42S:179.79W,h28km,23km,mb4.8/7, Error ellipse: s-maj=13.3km s-min=11.3km az=113.0

ISC 20 12:20:50.2+0.9,35.73S:0.05-179.81W:0.08,h40km,7km, n116,c1936/109,mb4.7/15,2C, East of North Island

Main table listing station data for ISC 20 12:20:50.2+0.9,35.73S:0.05-179.81W:0.08,h40km,7km, n116,c1936/109,mb4.7/15,2C, East of North Island. Columns include Code, Station Name, Az, AZZ, Phase ID, Time, Res, ISC.

AS31 Alice Springs 41.62 274 eP P 12 28 33.8 -0.7

ASAR Alice Springs 41.62 274 P P 12 28 34.0 -0.5

ASAR Alice Springs 41.62 274 P P 12 28 34.0 -0.5

WB2 Warramunga Arr 43.06 279 eP P 12 28 45.2 -1.3

WRAB Tennant Creek 43.09 279 eP P 12 28 45.2 -1.4

WRA Warramunga Arr 43.09 279 P P 12 28 45.3 -1.3

WRA Warramunga Arr 43.09 279 P P 12 28 45.3 -1.3

FITZ Fitzroy Crossi 51.07 275 eP P 12 29 48.1 -0.7

MEEK Meekatharra 52.71 276 eP P 12 29 59.5 -1.4

MBAW Murrumbidgee 54.34 280 eP P 12 30 11.3 -2.6

QSPA South Pole Qui 54.93 180 eP P 12 30 15.9 +3.4

QSPA South Pole Qui 54.93 180 eP P 12 30 15.9 +3.4

QSPA South Pole Qui 54.93 180 eP P 12 30 15.9 +3.4

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QSPA South Pole Qui 54.93 180 eP P 12 30 15.9 +3.4

QSPA South Pole Qui 54.93 180 eP P 12 30 15.9 +3.4

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QSPA South Pole Qui 54.93 180 eP P 12 30 15.9 +3.4

QSPA South Pole Qui 54.93 180 eP P 12 30 15.9 +3.4



Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like SDKM Sandakan, SMPI Sarmi, KKM Kota Kinabalu, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like RAMN Ramite, JIRN Jiri, TRF Thorafore Moun, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like BRVK Borovoye, BRVK Borovoye, BYJI Banyuwangi, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like ARMA Armidale, STKA Stephens Creek, and many others.

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like DGMT Dagmar, BHD Baghdad, LSA LASA Array, and many others.

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like CONA Conrad Observa, PKSM Moragy, KHC Kasperke Hory, and many others.





DJA 20 13:11:45.0, 8.101N; 126.72E, h12km, MLv4.3/7  
ISC 20 13:11:45.3, 0.9, 1.09N, 0.09; 126.88E, 0.06, h83km, 1.0km,  
n16, c1502/18, mb3.7/3, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like TNTI Ternate, LMBI Labuan, MNI Manado, etc.

GUJ 20 13:31:35.9, 0.6, 22.75S; 70.24W, h38km, 7km, ML3.6,  
IC-3D, Near coast of northern Chile

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like MECH Mejillones, MECH Los Morros, etc.

ICC 20 13:32:14.0, 0.9, 41.15S; 92.03W, h0km, mb4.0/7,  
mb1.4/2.8, mb1mx4.1/16, mbtmp3.9/8, ML3.6/1, Error  
ellipse: s-maj=39.1km s-min=20.6km az=80.0

ISCJB 20 13:32:14.0, 0.7, 41.2S; 0.1, 92.1W; 0.2, h10km, mb4.1/9,  
Error ellipse: s-maj=22.6km s-min=15.6km az=146.6

NEIC 20 13:32:15.6, 0.5, 41.16S; 92.11W, h10km, mb4.6/2, Error  
ellipse: s-maj=17.5km s-min=12.2km az=56.0

ISC 20 13:32:15.9, 0.7, 41.2S; 0.1, 92.1W; 0.2, h10km, n19,  
c0549/19, mb4.1/9, Southeast of Easter Island

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

IDC 20 13:42:09.2, 1.4, 37.03N; 142.46E, h0km, mb3.6/6,  
mb1.3/7.8, mb1mx3.5/25, mbtmp3.5/8, ML2.8/2, Error  
ellipse: s-maj=27.4km s-min=25.0km az=105.0

ISCJB 20 13:42:11.6, 0.9, 36.79N; 0.09, 142.39E; 0.08, h33km,  
mb3.5/6, Error ellipse: s-maj=13.8km s-min=8.9km  
az=19.3

JMA 20 13:42:15.1, 0.2, 36.52N; 141.87E, h40km, M1.7  
ISC 20 13:42:14.3, 0.9, 36.59N; 0.1, 142.35E; 0.08, h35km, n16,  
c193/17, mb3.5/6, East of coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like ONAJ Iwakimizuishiy, JFK Kawauchi, etc.

MOS 20 13:49:56.7, 1.2, 8.91N; 126.48E, h33km, mb5.2/30, Error  
ellipse: s-maj=13.7km s-min=5.9km az=115.7

MAN 20 13:49:58.8, 9.91N; 126.87E, h54km, mb5.5, ML4.6, MS4.9  
ISCJB 20 13:50:01.0, 0.5, 8.87N; 0.02, 126.62E; 0.04, h75km, 4km,  
mb4.8/9.1, Error ellipse: s-maj=7.4km s-min=3.8km  
az=169.4

IDC 20 13:50:00.4, 1.8, 8.87N; 126.51E, h48km, 16km, mb4.4/27,  
mb1.4/5/28, mb1mx4.3/30, mbtmp4.2/8, ML4.1/3, MS4.0/9,  
MS1.4/0.9, ms1mx3.7/43, Error ellipse: s-maj=18.9km  
s-min=10.1km az=80.0

BUI 20 13:50:01.1, 8.85N; 126.54E, h77km, mB5.1/28, mb4.9/42,  
MS4.7/23, Ms7.4/423

NEIC 20 13:50:02.6, 0.8, 8.87N; 126.54E, h71km, 7km, mb5.0/38,  
Error ellipse: s-maj=7.0km s-min=4.4km az=75.0

NEIC Felt at Butuan and Cagayan.  
DJA 20 13:50:07.8, 60N; 126.57E, h15km, mb4.9/17  
ISC 20 13:50:03.0, 0.5, 8.87N; 0.02, 126.56E; 0.04, h75km, 4km,  
n74km, 1.6km; p-P, n284, c1503/280, mb4.8/9.1, 6C-8D,

Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like BUTP Butuan, MUSAN Musuan, etc.

comp=Z, 1.7nm, 0.8s, mb3.7, baz=188, slow=9.9, SNR=3.3  
LR LR 14 06 03.8

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like MJAR Matushiro Arr, WRAB Tannant Creek, etc.

20d 14h

Table with columns for station name, frequency, power, and other technical details. Includes stations like ODAN Odare, RAMN Ramite, ULN Ulaanbaatar, etc.

2008 DEC

Table with columns for station name, frequency, power, and other technical details. Includes stations like KBK Karagaybulak, CHMS Chumysh, AAK Ala-Archa, etc.

868

Table with columns for station name, frequency, power, and other technical details. Includes stations like KAF Kangasniemi, EIL Eliat, FINES FINESS Array B, etc.

DJA 20 13:51:03, 2'48S-139°32'E, h121km, MLV3.6/3, Near north coast of Irian Jaya

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like SMPJ Sarmi, JAY Jayapura, etc.

Station coordinates and technical data: DJA 20 14:18:45.0, 0.8, 32'38S:72'48W, h0km, mb3.7/5, mb1 3.9/9, mb1mx3.8/16, mbtimp3.7/9, ML3.9/4, MS3.1/1, MS1.3/1, ms1mx2.5/24, Error ellipse: s-maj=27.8km s-min=21.7km az=91.0

Station coordinates and technical data: NEIC 20 14:18:47.8, 32'48S:72'34W, h30km, ML4.1(GUC), After GUC

Station coordinates and technical data: GUC 20 14:18:47.8, 0.9, 32'48S:72'34W, h30km, 6km, MD4.0, ML4.1

Station coordinates and technical data: ISC 20 14:18:47.3, 1.2, 32'43S:0'04:72'33W, h14km, 7km, n49, c09153, mb3.5/5, 10C-5D, Off coast of central Chile

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like IHA Instituto Hidir, IACH Iquique, CHNG Los Chungos, etc.

Table with columns: TOR, Torodi Ar. Bea, 83.91 70 P, P, 14 31 17.2 +0.1, etc.

IDC 20 14:31:13.0-1.4, 23.995x116.05W, h0km, mb3.6/2, mb1 4.0/2, mb1mx3.7/1.5, mbmt3.6/2, MS4.0/3, Ms1 4.0/3, ms1mx3.5/20, Error ellipse: s-maj=60.7km s-min=42.4km az=11.0, Southern East Pacific Rise

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Rikitea, Nuku Hiva Isla, Tubuai, etc.

IDC 20 14:31:41.6-0.9, 38.82N-71.04E, h0km, mb3.8/14, mb1 3.9/19, mb1mx3.8/32, mbmt3.8/19, ML3.6/5, MS3.4/1, Ms1 3.4/1, ms1mx2.6/37, Error ellipse: s-maj=17.6km s-min=14.0km az=158.0

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

Afghanistan-Tajikistan border region

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

Main table with columns: KURK, Kurchatov, 13.12 23 Pn, Pn, 14 34 45.6 -5.5, etc. Includes stations like Kurchatov, Vostochayna, VOSK, etc.

couple: M=5.53000x10^14 NP1=256.00000: 871.00000: 1.126.00000... NP2=11.00000: 840.00000: 1.31.00000: IDC 20 14:43:30.7-1.0, 36.53N-142.58E, h0km, mb3.6/5, mb1 3.8/7, mb1mx3.6/24, mbmt3.6/7, ML3.5/2, Error ellipse: s-maj=29.6km s-min=20.8km az=108.0, ISCJB 20 14:43:31.2-2.0, 36.62N-142.49E, h19km, M3.5, h20km, 16km, mb3.6/5, Error ellipse: s-maj=7.5km s-min=7.0km az=21.0, JMA 20 14:43:32.0-0.2, 36.58N-142.49E, h19km, M3.5, NEIC 20 14:43:32.0, 36.58N-142.49E, h19km, MG3.5(JMA), After JMA

ISC 20 14:43:32.9-2.0, 36.60N-104.142E, h0.06, h16km, 13km, n26, c085/39, mb3.6/5, Off east coast of Honshu

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

NIED 20 14:51:00.36:30N, 141.50E, h23km, Mw4.4 Best double couple: M=15.0000x10^15 NP1=29.00000: 868.00000: 1.90.00000... NP2=210.00000: 822.00000: 1.91.00000: BUJ 20 14:51:03.6, 36.28N-141.73E, h12km, mb4.9/28, mb4.6/43, Ms4.5/25, Ms7.4/0/24

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

ISC 20 14:51:08.2-1.7, 38.83N-103.70E, h0.05, h33km, 14km, n121, c1851/133, mb3.7/17, 11C-100

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













mb1 3.8/9, mb1mx3.6/23, mbtmp3.7/9, Error ellipse: s-maj=72.7km s-min=16.7km az=71.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MUSAN, CAGAYAN DE ORO, DAVAO CITY, etc.

GUC 20 15:54:35.0-0.7, 32.49Sx72.30W, h23km, 4km, ML3.6, 4D, Off coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like INSTITUTO HIDR, CHNG LOS CHUNGOS, PETORCA, etc.

IDC 20 16:09:14.7-4.8, 18.97Sx177.46W, h585km, 53km, mb3.7/7, mb1 3.5/9, mb1mx3.2/21, mbtmp3.9/9, Error ellipse: s-maj=36.5km s-min=25.5km az=32.0

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

UGM 1.53 4 S Sn 16 14 04.5 +0.4

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BANJAMEGARA, PACITAN, SEMARANG, etc.

GUC 20 16:14:38.6-0.7, 32.47Sx72.19W, h26km, 4km, MD4.2, ML3.6, 3C-3D, Off coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like INSTITUTO HIDR, CHNG LOS CHUNGOS, PETORCA, etc.

IDC 20 16:24:22.1-0.6, 2.82S: 139.12E, h0km, mb4.1/12, mb1 4.0/9, ms1mx4.1/17, mbtmp4.1/14, ML4.1, 12, MS4.0/9, Ms1 4.0/9, ms1mx3.7/30, Error ellipse: s-maj=25.1km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MORESBY, COEN, GUAM, etc.

IDC 20 16:09:14.7-4.8, 18.97Sx177.46W, h585km, 53km, mb3.7/7, mb1 3.5/9, mb1mx3.2/21, mbtmp3.9/9, Error ellipse: s-maj=36.5km s-min=25.5km az=32.0

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

VNDA Vanda 75.56 175 eP P 16 36 08.0 -0.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BRVK BOROVYE, MAW MAWSON, MAW MAWSON, etc.

IDC 20 16:28:27.4-2.8, 31.27Sx176.71W, h0km, mb4.0/3, mb1 4.2/5, mb1mx4.0/18, mbtmp4.1/5, ML3.7/2, Error ellipse: s-maj=67.9km s-min=32.5km az=119.0, Kermadec Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like URUWERA, URUWERA, RATA PEAKS, etc.

IDC 20 16:31:40.7-5.1, 0.2377S: 176.17W, h0km, mb3.6/3, mb1 3.8/3, mb1mx3.6/17, mbtmp3.6/3, Error ellipse: s-maj=94.2km s-min=159.6km az=88.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like STKA STEPHENS CREEK, ASAR ALICE SPRINGS, WRA WARRAMUNGA ARR, etc.

IDC 20 16:35:38.6-1.4, 8.94N:0.06, 126.85E:0.09, h4km, 12km, az=162.7

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MAN, NEIC, IDC, etc.

IDC 20 16:35:38.6-1.4, 8.92N:0.06, 126.79E:0.10, h61km, 12km, az=162.7, 4D, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MUSAN, CAGAYAN DE ORO, DAVAO CITY, etc.

DJA 20 16:13:25.8-8.87Sx109.59E, h30km, MLV3.7/7, Jawa

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes station WANAGAMA.

UGM Wanagama 1.33 44 S Sn 16 13 48.4 +0.9

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes station WANAGAMA.

ZALV Zalesovo Beam 72.23 300 P P 16 35 47.7 -1.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes station ZALV.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include KURK Kurchatov, ARU Arti, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include USHA Ushuaia, SPB Sao Paulo, SAML Samuel, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include ZALV Zalesovo Beam, ZALV Kashi, KSH Kashi, etc.

IDC 20 16:43:06.0, 5.32', 46S: 71.97W, h0km, mb4.6/13, mb1.4/7.17, mb1mx4.7/17, mbtmp4.6/17, ML4.6/4, MS4.2/7, Ms1.4/2.7, ms1mx4.0/26, Error ellipse: s-maj=20.1km s-min=14.4km az=69.0

CHNCJ 20 16:43:08.0, 0.7, 32', 44S: 0.03: 72.17W, 0.04, h21km, 5km, mb4.8/37, MS4.4/3, Error ellipse: s-maj=6.6km s-min=3.6km az=150.3

BUI 20 16:43:08.7, 32', 40S: 71.90W, h12km, mb4.9/5, Ms5.2/5, Ms7.5/0.5

NEIC Feit (III) at Puchuncavi and (II) at Quihue, Santiago and Villa Alemana

ISC 20 16:43:09.1-0.7, 32', 44S: 0.03: 72.11W, 0.04, h12km, 4km, n155, o09/98/128, mb4.8/37, MS4.4/3, 11C-14D, Off coast of central Chile

CMAR Chiang Mai Arr 165.9 4 PKPb PKPb 17 04 03.3 -1.9

Main table of station data for the left column, including codes like PACH, IHA, CHNG, etc.

Main table of station data for the middle column, including codes like TXAR, TXAR, TXAR, etc.

Main table of station data for the right column, including codes like ZALV, ZALV, ZALV, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MTDJ, SDDR, VNA3, etc.

IDC 20 16:56:26.7, 1.7, 36.64N, 142.33E, h0km, mb3.5/1, Error ellipse: s-maj=38.2km s-min=24.2km az=63.0

ISCJB 20 16:56:29.0, 1.3, 36.67N, 142.4E, 0.1, h33km, 14km, mb3.5/3, Error ellipse: s-maj=16.3km s-min=7.8km az=14.8

JMA 20 16:56:30.5, 0.4, 36.69N, 142.16E, h53km, M3.4, mb3.5/3, Error ellipse: s-maj=16.3km s-min=7.8km az=14.8

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

ISC 20 17:07:01.7, 0.1, 31.56S, 02.6823W, 0.03, h109km, h109km, 6km, mb3.5/3, Error ellipse: s-maj=16.3km s-min=7.8km az=14.8

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

ISC 20 17:07:00.8, 0.1, 31.56S, 02.6823W, 0.03, h109km, h109km, 6km, mb3.5/3, Error ellipse: s-maj=16.3km s-min=7.8km az=14.8

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

IDC 20 17:02:55.1, 1.7, 15.29S, 175.21W, h244km, 53km, mb3.2/4, mb1 3.6/5, mb1mx3.2/16, mbtmp3.3/5, Error ellipse: s-maj=37.5km s-min=18.7km az=152.0, Tonga Islands

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

IDC 20 17:03:52.5, 2.6, 80S, 130.01E, h0km, mb3.7/1, mb1 3.6/4, mb1mx3.3/16, mbtmp3.4/4, ML3.3/3, Error ellipse: s-maj=87.0km s-min=28.5km az=78.0, Banda Sea

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

IDC 20 17:07:00.8, 0.1, 31.56S, 02.6823W, 0.03, h109km, h109km, 6km, mb3.5/3, Error ellipse: s-maj=16.3km s-min=7.8km az=14.8

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

MOS 20 17:06:58.4, 0.9, 31.41S, 68.18W, h89km, mb5.4/5, Error ellipse: s-maj=12.6km s-min=7.1km az=97.5

NEIC 20 17:07:01.0, 0.1, 31.58S, 68.11W, mb5.3/141, MD5.5(SJA), Error ellipse: s-maj=5.3km s-min=3.2km az=69.0

NEIC Felt [V] at San Juan and [IV] at Mendoza. Also felt at Cordoba.

BUI 20 17:07:00.8, 0.1, 31.04S, 68.08W, h108km, mb5.3/16, ISCJB 20 17:07:00.0, 0.1, 31.54S, 02.6823W, 0.03, h107km, mb5.3/157, Error ellipse: s-maj=3.7km s-min=2.4km az=33.8

IDC 20 17:07:01.6, 0.3, 31.64S, 68.19W, h109km, mb4.9/16, Mb1 4.2/2, ms1mx3.7/23, mbtmp4.8/20, MS4.2/2, Ms1 4.2/2, ms1mx3.7/23, Error ellipse: s-maj=12.5km s-min=9.2km az=55.0

GUC 20 17:07:02.1, 0.5, 31.56S, 68.39W, h126km, 27km, ML5.6, GCMT 20 17:07:05.7, 0.2, 31.72S, 68.14W, h123km, 1km, MWV5.2, Moment Tensor Solution, s52, c66; s79, c129; Moment tensor: Scale 10^10Nm; M1=6.91E+21; M2=2.71E+24; M3=4.20E+30; M4=1.31E+17; M5=5.70E+22; M6=3.11E+23; Best double couple: M9.00000; 1016 NP1.000000000; 846.00000; -1.52.00000; NP2.000000000; 856.00000; -1.122.00000. Principal axes: T 9.4000, P165.0000,

IDC 20 17:07:00.8, 0.1, 31.56S, 02.6823W, 0.03, h109km, h109km, 6km, mb3.5/3, Error ellipse: s-maj=16.3km s-min=7.8km az=14.8

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

IDC 20 17:07:00.8, 0.1, 31.56S, 02.6823W, 0.03, h109km, h109km, 6km, mb3.5/3, Error ellipse: s-maj=16.3km s-min=7.8km az=14.8

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

IDC 20 17:07:00.8, 0.1, 31.56S, 02.6823W, 0.03, h109km, h109km, 6km, mb3.5/3, Error ellipse: s-maj=16.3km s-min=7.8km az=14.8

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

IDC 20 17:07:00.8, 0.1, 31.56S, 02.6823W, 0.03, h109km, h109km, 6km, mb3.5/3, Error ellipse: s-maj=16.3km s-min=7.8km az=14.8

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

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





Table with columns for station name, frequency, power, and other technical details. Includes stations like EVO, PMTG, PMTG, PBAR, PBAR, PESTR, PESTR, PESTR, etc.

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

Table with columns for station name, frequency, power, and other technical details. Includes stations like BILL, ARU, ARU, ARU, ARU, ARU, etc.









Table with columns: SMF, Signal de Mont, 89.40 333 eP, P, 17 50 12.0 +0.2. Includes stations like Signal de Mont, Signal de Mont, Signal de Mont, etc.

Table with columns: PMG, Port Moresby, 10.39 130 ePn, Pn, 17 47 13.7 +0.8. Includes stations like Port Moresby, Port Moresby, Port Moresby, etc.

Table with columns: JAGI, Jajag, Banyuwa, 25.50 256 P, P, 17 50 09.9 +0.8. Includes stations like Jajag, Banyuwa, Banyuglugur, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like Sarmi, Wamena, Jayapura, etc.

Table with columns: ASAR, Alice Springs, 21.44 193 S, S, 17 49 29.6 -1.1. Includes stations like Alice Springs, Alice Springs, Alice Springs, etc.

Table with columns: MJAR, Matushiro, 39.06 359 P, P, 17 52 07.5 -1.4. Includes stations like Matushiro, Matushiro, Matushiro, etc.

















Table with columns for station call signs (e.g., CMB, FFC, LRM), frequencies, and other technical details. Includes sub-sections for various stations like ANNA, BOZ, NOA, etc.

Table with columns for station call signs (e.g., OKC, KSP, DRGR), frequencies, and other technical details. Includes sub-sections for various stations like DPC, UPC, PSZ, etc.

Table with columns for station call signs (e.g., KKB, PPT2, PERS), frequencies, and other technical details. Includes sub-sections for various stations like SOKA, VAY, BEBN, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Saint Gilles, Toulu Ste Croi, ROST, etc.

ISCJB 20 19:21:18.4±0.6, 71.29N, 0.04±13.6E, 0.1, h0km, Error ellipse: s-maj=6.2km s-min=5.4km az=44.5
CSEM 20 19:21:19.6±0.2, 71.31N, 12.89E, h1km, ML3.3, Error ellipse: s-maj=5.6km s-min=3.2km az=82.0, Suspected Mining explosion.

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

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SALU, LANU, ARAO, etc.

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

CSEM 20 19:25:01.7±0.4, 50.19N, 18.61E, h1km, Error ellipse: s-maj=10.6km s-min=6.3km az=140.0
PRU 20 19:25:06.3, 50.11N, 18.34E, h0km
WAR 20 19:25:05.0, 50.09N, 18.44E, 1D, Poland

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

NIED 20 19:40:00.36, 70N, 142.30E, h17km, Mw3.9 Best double couple: M7.79000, 1014 NP1=19.00000, 828.00000, 112.00000.
JMA 20 19:40:27.5±0.3, 36.66N, 142.25E, h34km, M3.8
IDC 20 19:40:33.4±0.9, 36.98N, 140.94E, h0km, mb3.6/8, mb1.3/7.8, mb1mx3.6/22, mbtmp3.6/8, Error ellipse: s-maj=26.1km s-min=21.1km az=93.0

NEIC 20 19:40:39.6±1.8, 37.21N, 141.19E, h54km, 15km, mb4.2/6, Error ellipse: s-maj=20.7km s-min=13.4km az=129.0
ISC 20 19:40:37.6±1.4, 37.09N, 140.08±14.15E, 0.2, h53km, 9km, n39, 182/48, mb3.7/14, Near east coast of eastern Honshu

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

MAN 20 19:40:45.8, 87N, 126.89E, h6km, mb4.7, ML3.6, MS3.6, 2D, Mindanao

Table with columns: WRA, WRM, Alice Springs, SONAR, STKA, MKAR. Includes station names, coordinates, and time/res data.

IDC 20 19:49:53.1z.2.9.32.76S:72.01W, h0km, mb4.0/1, mb1 3.7/3, mb1mx3.6/13, mbtmp3.6/3, ML3.8/2, MS3.2/1, Ms1 3.3/1, ms1mx2.8/23, Error ellipse: s-maj=79.5km s-min=70.7km az=126.0

ISCJB 20 19:49:58.2.1.2.32.53S:0.04:71.96W:0.08, h21km, 7km, Error ellipse: s-maj=12.0km s-min=5.5km az=157.4 GUC 20 19:49:58.7.0.7.32.54S:71.92W, h13km, 5km, MD4.2, ML4.1

ISC 20 19:49:58.3.1.2.32.54S:0.04:71.92W:0.07, h14km, 6km, n22, e087/34, 4C-4D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like Papudo, Los Chungos, Roble, Petorca, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like Rinconada Maip, Santiago, Cerro Calan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like Antumapu, Penalolen, Farellones, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like Pirque, San Jose de Ma, El Canelo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like Ovalle, Villa Florida, La Paz, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like Torodi Ar. Bea, ZALV, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like Ostrava-Krasne, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like Dobruska-Polom, etc.

ISCJB 20 19:56:42.2.0.9.21.27S:0.07:67.7W:0.1, h124km, 13km, mb4.0/4, Error ellipse: s-maj=19.2km s-min=9.4km

az=26.8 IDC 20 19:56:43.8z.2.3.21.19S:67.77W, h127km, 23km, mb3.7/4, mb1 3.6/7, mb1mx3.4/18, mbtmp3.6/7, Error ellipse: s-maj=26.8km s-min=18.0km az=113.0 NEIC 20 19:56:43.0z.0.7.21.18S:67.89W, h124km, 7km, Error ellipse: s-maj=20.3km s-min=8.4km az=115.0 ISC 20 19:56:43.0z.0.9.21.28S:0.07:67.7W:0.1, h116km, 12km, n21, e047/20, mb4.0/4, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like Limon Verde, La Paz, San Ignacio, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like Paso Flores, Sanae, SNAAS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like Dimbokro, GSPA, TORD, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like Torodi Ar. Bea, ASAR, WRA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like WRR, MKAR, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like JMA, NEMZ, etc.

IDC 20 19:58:07.2.8.0.307.6S:177.16W, h0km, mb3.5/2, mb1 3.7/2, mb1mx3.6/16, mbtmp3.6/2, MS3.9/1, Ms1 3.8/1, ms1mx3.0/20, Error ellipse: s-maj=345.8km s-min=56.6km az=156.0, Kermadec Islands

Table with columns: RAMN, SONM, SONM, SONM, JIRN, JIRN, GUN, GUN. Lists stations like Ramite, Songino Array, etc.

7.4nm, 0.7s, mb4.4 41.99 301 eP P 20 25 56.8 -0.5 7.4nm, 0.7s, mb4.4 42.44 340 eP P 20 26 01.5 +1.0

0.2nm, 0.5s, mb3.9, baz=337, slow=5.6, SNR=4.6 42.44 340 P P 20 26 01.5 +1.0 0.2nm, 0.5s, mb3.9, baz=337, slow=5.6, SNR=4.6 42.44 340 P P 20 26 01.5 +1.0

0.3nm, 0.5s, mb3.3, baz=141, slow=9.6, SNR=4.1 42.55 301 eP P 20 26 02.4 +0.5 0.3nm, 0.5s, mb3.3, baz=141, slow=9.6, SNR=4.1 42.55 301 eP P 20 26 02.4 +0.5

4.0nm, 0.6s, mb4.8 42.89 302 eP P 20 26 04.6 0.0 4.0nm, 0.6s, mb4.8 42.89 302 eP P 20 26 04.6 0.0

13nm, 0.7s, mb4.8 42.98 161 P P 20 26 04.8 -0.4 13nm, 0.7s, mb4.8 42.98 161 P P 20 26 04.8 -0.4

0.3nm, 0.5s, mb3.3, baz=141, slow=9.6, SNR=8.2 42.98 161 eP P 20 26 04.8 -0.4 0.3nm, 0.5s, mb3.3, baz=141, slow=9.6, SNR=8.2 42.98 161 eP P 20 26 04.8 -0.4

0.5nm, 0.5s, mb3.3, baz=141, slow=9.6, SNR=5.0 43.45 301 eP P 20 26 09.1 -0.1 0.5nm, 0.5s, mb3.3, baz=141, slow=9.6, SNR=5.0 43.45 301 eP P 20 26 09.1 -0.1

0.7nm, 0.6s, mb4.3 43.97 301 eP P 20 26 13.5 +0.2 0.7nm, 0.6s, mb4.3 43.97 301 eP P 20 26 13.5 +0.2

4.0nm, 0.6s, mb4.3 43.97 301 eP P 20 26 13.5 +0.2 4.0nm, 0.6s, mb4.3 43.97 301 eP P 20 26 13.5 +0.2

9.8nm, 0.7s, mb4.8 44.78 301 eP P 20 26 19.4 -0.4 9.8nm, 0.7s, mb4.8 44.78 301 eP P 20 26 19.4 -0.4

9.8nm, 0.7s, mb4.7 44.78 301 eP P 20 26 19.4 -0.4 9.8nm, 0.7s, mb4.7 44.78 301 eP P 20 26 19.4 -0.4

44.81 301 eP P 20 26 19.8 -0.2 44.81 301 eP P 20 26 19.8 -0.2

44.75 301 eP P 20 26 19.8 -0.2 44.75 301 eP P 20 26 19.8 -0.2

1.6nm, 0.7s, mb4.1, baz=118, slow=8.8, SNR=12 53.39 323 P P 20 27 25.1 -0.2 1.6nm, 0.7s, mb4.1, baz=118, slow=8.8, SNR=12 53.39 323 P P 20 27 25.1 -0.2

56.03 332 P P 20 27 43.2 -1.1 56.03 332 P P 20 27 43.2 -1.1

0.7nm, 0.6s, mb3.9, baz=104, slow=5.3, SNR=5.0 56.03 332 P P 20 27 43.2 -1.1 0.7nm, 0.6s, mb3.9, baz=104, slow=5.3, SNR=5.0 56.03 332 P P 20 27 43.2 -1.1

1.2nm, 0.6s, mb4.1 57.13 315 P P 20 27 52.1 -0.2 1.2nm, 0.6s, mb4.1 57.13 315 P P 20 27 52.1 -0.2

57.45 326 eP P 20 27 53.2 -1.2 57.45 326 eP P 20 27 53.2 -1.2

63.12 326 eP P 20 28 32.4 -0.8 63.12 326 eP P 20 28 32.4 -0.8

80.40 26 P P 20 30 17.1 +0.4 80.40 26 P P 20 30 17.1 +0.4

0.3nm, 0.6s, mb3.4, baz=248, slow=5.8, SNR=6.3 80.40 26 P P 20 30 17.1 +0.4 0.3nm, 0.6s, mb3.4, baz=248, slow=5.8, SNR=6.3 80.40 26 P P 20 30 17.1 +0.4

80.40 26 P P 20 30 17.1 +0.4 80.40 26 P P 20 30 17.1 +0.4

94.75 24 P P 20 31 28.1 +1.5 94.75 24 P P 20 31 28.1 +1.5

94.75 24 P P 20 31 28.1 +1.5 94.75 24 P P 20 31 28.1 +1.5

MAN 20 20:30:31.8:90N:126:81E, h18km, mb4.6, ML3.5, MS3.5, 1C, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like Butan, Musuan, Mati, etc.

IDC 20 20:32:54.5z.0.8.1.30N:127.10E, h0km, mb3.9/8, mb1 4.1/8, mb1mx3.9/17, mbtmp3.9/8, Error ellipse: s-maj=61.5km s-min=15.3km az=74.0

NEIC 20 20:33:05.0z.1.9.1.25N:127.03E, h92km, 19km, mb4.1/9, mb1 3.7/2, mb1mx3.9/17, mbtmp3.9/8, Error ellipse: s-maj=71.1km s-min=22.5km az=62.0 ISCJB 20 20:33:05.3z.3.3.1.27N:0.10:127.0E:0.2, h109km, 32km, mb4.0/17, Error ellipse: s-maj=29.4km s-min=9.9km az=153.2

ISC 20 20:33:04.9z.2.3.1.24N:0.10:127.0E:0.2, h90km, 25km, n31, e084/31, mb4.0/17, Halmahera









PLCA	comp=Z,12nm,0.9s,mb4.8,baz=83,slow=7.7,SNR=7.7	PcP	PcP	21 15 19.9 +0.5
PLCA	comp=Z,3.9nm,0.9s,baz=153,slow=5.7,SNR=2.9	LR	LR	21 31 21.8
PLCA	comp=Z,6.9m,19.6s,MSS.5	LR	LR	21 13 45.2 +0.8
PLCA	Paso Flores 46.52 242 P	P	P	21 15 19.9 +0.5
PLCA	Paso Flores 46.52 242 P	PcP	PcP	21 13 45.3 +0.2
PLCA	Paso Flores 46.52 242 P	P	P	21 15 19.9
PLCA	comp=Z,12nm,1.0s	pmax	pmax	
PLCA	comp=Z,4.0nm,0.9s	pmax	pmax	
PLCA	comp=Z,6.9m,19.6s	MLR	MLR	
SACV	Santiago Islan 46.93 346 PFAKE LR	P	P	21 14 00.0 +12
SACV	comp=Z,2.9m,22.0s,MSS.1	LR	LR	
Farellos	47.65 252 eP	P	P	21 13 53.5 -0.6
SYO	Siowa Base 46.20 1571 eP	P	P	21 13 54.4 -3.4
SYO	Siowa Base 46.20 1571 eP	P	P	21 13 55.6 -2.2
SYO	Siowa Base 46.20 1571 eP	P	P	21 13 58.0 +0.2
LCO	La Campanas 49.15 257 eP	P	P	21 14 06.4 +0.7
LCO	comp=Z,4.2nm,1.3s,mb5.3	LR	LR	
LVC	comp=Z,8.9m,21.0s,MSS.7	LR	LR	
LVC	Limon Verde 49.81 266 eP	P	P	21 14 10.3 -0.5
LVC	comp=Z,1.5nm,0.8s,mb5.1	LR	LR	
SAML	comp=Z,1.1m,22.0s,MSS.8	LR	LR	
SAML	Samuel 51.22 285 eP	P	P	21 14 22.0 +0.5
SAML	comp=Z,358nm,2.1s,mb5.9	LR	LR	
MBAR	comp=Z,1.5m,19.0s,MSS.0	LR	LR	
MBAR	Mbarara 51.65 63 eP	P	P	21 14 26.6 +1.9
MBAR	Mbarara 51.65 63 PFAKE LR	P	P	21 14 40.0 +1.5
MBAR	Mbarara 51.65 63 LR	LR	LR	
MBAR	comp=Z,834nm,21.0s,MSS.7	LR	LR	
MBAR	Mbarara 51.65 63 P	P	P	21 14 26.4 +1.7
LPAZ	comp=Z,68nm,1.8s,mb5.3,SNR=8.6	P	P	21 14 25.1 -0.5
LPAZ	La Paz 51.77 273 P	P	P	21 14 25.1 -0.5
LPAZ	comp=Z,8.6nm,0.9s,mb4.7,baz=101,slow=6.8,SNR=32	LR	LR	21 34 57.1
LPAZ	comp=Z,1.1m,19.9s,MSS.9,baz=129,slow=34	P	P	21 14 25.0 -0.6
LPAZ	La Paz 51.77 273 eP	P	P	21 14 25.0 -0.6
LPAZ	comp=Z,89nm,1.7s,mb5.4	pmax	pmax	
LPAZ	La Paz 51.77 273 eP	pmax	pmax	
ABPO	comp=Z,89nm,1.7s	pmax	pmax	
ABPO	Ambohimpom 55.62 93 eP	P	P	21 14 55.7 +1.9
ABPO	comp=Z,175nm,2.1s,mb5.7	LR	LR	
ABPO	comp=Z,1.0m,21.0s,MSS.9	LR	LR	
ABPO	Ambohimpom 55.62 93 eP	P	P	21 14 55.7 +1.9
ABPO	comp=Z,175nm,2.1s,mb5.7	pmax	pmax	
ABPO	comp=Z,1.0m,21.0s,MSS.9	MLR	MLR	
OPO	Ambohadratomo 55.78 92 LR	LR	LR	21 36 50.5
OPO	comp=Z,1.1m,18.3s,MSS.0,baz=241,slow=34	LR	LR	
MAW	Mawson 56.37 153 P	P	P	21 14 58.2 -0.3
MAW	comp=Z,1.1m,1.0s,mb4.8,baz=280,slow=9.5,SNR=9.9	LR	LR	21 34 10.2
MAW	comp=Z,4.4m,20.0s,MSS.5,baz=282,slow=31	LR	LR	
MAW	Mawson 56.37 153 eP	P	P	21 14 58.0 -0.4
MAW	comp=Z,38nm,1.8s,mb5.1	P	P	21 14 58.2 -0.2
MAW	Mawson 56.37 153 P	pmax	pmax	
MAW	comp=Z,1.1m,1.0s	pmax	pmax	
MAW	comp=Z,4.4m,20.0s	MLR	MLR	
KMBO	Kilima Mbogo 56.40 68 eP	LR	LR	21 15 02.1 +2.7
KMBO	Kilima Mbogo 56.40 68 eP	P	P	21 15 02.2 +2.8
KMBO	comp=Z,2.8m,19.0s,MSS.9	LR	LR	
KMBO	Kilima Mbogo 56.40 68 eP	P	P	21 15 02.2 +2.8
KMBO	comp=Z,128nm,2.0s	pmax	pmax	
KMBO	comp=Z,2.8m,19.0s	MLR	MLR	
KMBO	Kilima Mbogo 56.40 68 P	P	P	21 15 02.8 +3.4
TAM	Tamanrasset 56.65 21 eP	P	P	21 15 01.7 +0.8
TAM	comp=Z,131nm,1.9s,mb5.8	LR	LR	
TAM	comp=Z,4.4m,19.0s,MSS.6	LR	LR	
TAM	Tamanrasset 56.65 21 eP	P	P	21 15 01.7 +0.8
TAM	comp=Z,191nm,1.9s,mb5.8	pmax	pmax	
TAM	comp=Z,2.8m,19.0s,MSS.6	MLR	MLR	
QSPA	South Pole Qui 59.05 180 eP	P	P	21 15 17.3 +0.1
QSPA	comp=Z,1.0m,1.1s,mb5.8	LR	LR	
QSPA	comp=Z,863nm,22.0s,MSS.4	LR	LR	
NNA	Nana 61.24 273 P	P	P	21 15 33.4 +0.3
NNA	comp=Z,22nm,1.0s,mb5.3,baz=152,slow=3.9,SNR=12	LR	LR	21 41 43.3
NNA	comp=Z,6.9m,18.1s,MSS.8,baz=144,slow=36	LR	LR	
NNA	Nana 61.24 273 eP	P	P	21 15 33.4 +0.5
NNA	Nana 61.24 273 P	P	P	21 15 33.4 +0.5
NNA	comp=Z,22nm,1.0s	pmax	pmax	
NNA	comp=Z,2.2nm,1.0s	MLR	MLR	
RER	Riviere de l'E 61.98 99 PFAKE LR	P	P	21 15 50.0 +12
BBGH	Gun Hill 62.50 308 PFAKE LR	P	P	21 15 50.0 +8.5
BBGH	comp=Z,5.9m,20.0s,MSS.6	LR	LR	
PAF	Port-aux-Franc 63.11 133 PFAKE LR	P	P	21 16 00.0 +15
PAF	comp=Z,3.9m,20.0s,MSS.5	LR	LR	
PDF	Fort de France 64.71 308 P	P	P	21 15 49.9 -6.2
PDF	comp=Z,236nm,1.4s,mb6.0	LR	LR	
PDF	comp=Z,1.9m,20.0s,MSS.2	LR	LR	
PDF	Fort de France 64.71 308 P	P	P	21 15 49.9 -6.2
PDF	comp=Z,236nm,1.4s,mb6.0	pmax	pmax	
PDF	comp=Z,2.9m,20.0s,MSS.2	MLR	MLR	
ATAH	Atahualpa 64.98 277 P	P	P	21 15 59.4 +1.4
ATAH	comp=Z,5.1m,1.0s,mb4.8,baz=127,slow=4.1,SNR=50	P	P	21 15 59.4 +1.4
ATAH	Atahualpa 64.98 277 P	P	P	21 16 10.0 +12
RTC	Rabat Centre 65.11 6 PFAKE LR	P	P	21 16 10.0 +12
RTC	comp=Z,2.9m,21.0s,MSS.3	LR	LR	
ANWB	Willy Bob 67.22 309 eP	P	P	21 16 12.6 +0.4
ANWB	comp=Z,2.9m,21.0s,MSS.2	LR	LR	
SFS	San Fernando 67.63 6 PFAKE LR	P	P	21 16 30.0 +16
SFS	comp=Z,3.9m,19.0s,MSS.6	LR	LR	
EDTV	Tiare 67.65 13 P	P	P	21 16 16.1 +1.6
SDR	Soto Domingo 67.72 296 eP	P	P	21 16 15.9 +0.5
SDV	comp=Z,1.6nm,1.1s,mb5.8	LR	LR	
MIR	Mirnyy 67.96 156 eP	P	P	21 16 14.0 -2.2
MIR	comp=Z,2.6m,20.0s,MSS.8	LR	LR	21 16 21.0
MIR	comp=Z,245nm,1.8s,mb5.9	pmax	pmax	
MIR	comp=Z,505nm,2.0s,mb6.2	pmax	pmax	
MIR	comp=N,700nm,16.0s,MSS.2	MLR	MLR	
MIR	comp=E,900nm,16.0s,MSS.2	MLR	MLR	
MIR	comp=Z,2.9m,16.0s,MSS.4	MLR	MLR	
PFVI	Vila Bisbo 68.09 4 eP	P	P	21 16 16.9 -0.4
PFVI	comp=Z,919nm,2.0s,mb6.0	eLR	LR	21 37 53.5
PFVI	comp=Z,2.9m,20.0s	P	P	21 16 18.5 +0.8
ROSC	El Rosal 68.19 290 P	P	P	21 16 18.4 -0.1
ROSC	comp=Z,8.7nm,0.8s,mb4.8,baz=99,slow=23,SNR=6.5	LR	LR	21 45 12.8
ROSC	comp=Z,9.9m,18.4s,MSS.0,baz=170,slow=35	P	P	21 16 18.4 -0.1
ROSC	El Rosal 68.19 290 P	P	P	21 16 18.5 +0.2
PBDV	Barrado-do-Ve 68.25 5 eP	P	P	21 16 18.5 +0.2
PBDV	comp=Z,188nm,1.8s,mb5.8	eLR	LR	21 38 37.9
PBDV	comp=Z,2.9m,20.0s	eLR	LR	

MORF	Marleete 68.28 4 eP	P	P	21 16 18.8 +0.4
MORF	comp=Z,128nm,1.9s,mb5.6	eLR	LR	21 39 05.3
MORF	comp=Z,3.9m,22.0s	LR	LR	
MORF	Marleete 68.28 4 eP	P	P	21 16 18.6 +0.2
ECHA	Ech Chum 68.40 13 P	P	P	21 16 20.2 +1.0
PVAQ	Vaqueiros 68.44 5 eP	P	P	21 16 19.6 +0.2
PVAQ	comp=Z,187nm,1.9s,mb5.8	eS	S	21 25 29.1 +8.1
PVAQ	comp=Z,2.9m,20.0s	eLR	LR	21 35 34.6
PVAQ	comp=Z,2.9m,20.0s	eLR	LR	21 38 35.3
PTEO	Sao Teotonio 68.51 4 eP	P	P	21 16 20.4 +0.5
EBNR	Arta Tunnel 68.56 13 P	P	P	21 16 22.0 +1.7
ATD	Arta Tunnel 68.62 61 LR	LR	LR	21 43 18.5
PCVE	Castro Verde 68.64 5 eP	P	P	21 16 20.9 +0.2
PCVE	comp=Z,1.15nm,1.9s,mb5.5	eLR	LR	21 38 23.2
OTAV	Otavalo 68.94 284 eP	P	P	21 16 24.1 +0.9
OTAV	comp=Z,75nm,1.4s,mb5.4	LR	LR	
PBEJ	Beja 69.05 5 eP	P	P	21 16 23.4 +0.2
PNCL	comp=Z,1.04nm,1.8s,mb5.5	P	P	21 16 24.0 +0.5
PNCL	Nicolau / Gun 69.09 4 eP	P	P	21 38 56.7
PNCL	comp=Z,101nm,1.6s,mb5.5	eLR	LR	
PNCL	comp=Z,2.9m,20.0s	LR	LR	
CKHR	Kef el Ahmar 69.16 16 P	P	P	21 16 24.8 +0.8
PBAR	Barrancos 69.25 5 eP	P	P	21 16 24.8 +0.3
PBAR	comp=Z,168nm,1.8s,mb5.7	eLR	LR	21 39 12.5
PBAR	comp=Z,1.9m,22.0s	eLR	LR	
CART	Setif 69.31 16 P	P	P	21 16 25.0 +0.1
CART	Cartagena 69.39 10 eP	P	P	21 16 25.3 -0.1
CART	comp=Z,4.1nm,1.3s,mb5.2	P	P	21 16 25.4 +0.2
CTEI	Djebel Teioual 69.43 17 P	P	P	21 16 25.4 -0.2
EVOP	Sao Brissos 69.53 41 P	P	P	21 16 26.4 +0.2
EVOP	comp=Z,4.11nm,1.8s,mb5.1	LR	LR	21 16 26.4 +0.2
EVOP	Sao Brissos 69.53 41 P	pmax	pmax	
MSEY	Mahe Island 69.54 83 PFAKE LR	P	P	21 16 40.0 +13
MSEY	comp=Z,6.9m,19.0s,MSS.8	LR	LR	
EVO	Evora 69.54 5 P	P	P	21 16 26.4 +0.1
EVO	comp=Z,4.11nm,1.8s,mb5.8	eLR	LR	
EVO	comp=Z,3.9m,20.0s	eLR	LR	
EVO	Evora 69.54 5 eP	P	P	21 16 25.5 -0.8
EVO	comp=Z,132nm,1.9s,mb5.5	P	P	21 16 26.0 -0.5
CASM	Ain Smara 69.63 17 P	P	P	21 16 27.0 0.0
LIS	Lisbon 69.65 4 eP	Amb	AMB	21 16 27.0 0.0
LIS	comp=Z,196nm,1.8s,mb5.7	eP	P	21 16 27.0 0.0
LIS	Lisbon 69.65 4 eP	P	P	21 16 27.0 0.0
LIS	comp=Z,196nm,1.8s,mb5.7	eP	P	21 16 27.0 0.0
LIS	Lisbon 69.65 4 eP	P	P	21 16 27.0 0.0
CKFL	Kef Lkhel 69.83 17 P	P	P	21 16 29.0 +1.5
STVI	Saint Thomas 69.83 308 eP	P	P	21 16 28.4 -0.1
STVI	comp=Z,99nm,1.2s,mb5.6	P	P	21 16 29.3 +0.7
PMAFR	Mafrá 69.89 3 eP	P	P	21 16 29.3 +0.7
PMAFR	comp=Z,157nm,1.6s,mb5.7	LR	LR	21 39 56.3
PMAFR	comp=Z,943nm,22.0s	LR	LR	
PESTR	Estremoz 69.90 5 eP	P	P	21 16 28.9 +0.4
PESTR	comp=Z,176nm,1.8s,mb5.7	eS	S	21 25 42.5 +4.3
PESTR	comp=Z,2.9m,22.0s	eLR	LR	21 39 50.9
PESTR	comp=Z,2.9m,22.0s	eLR	LR	
KEST	Kesra 69.91 20 eP	P	P	21 16 29.3 +0.7
KEST	comp=Z,14nm,1.0s,mb4.8,baz=194,slow=4.0,SNR=14	LR	LR	21 45 23.9
KEST	comp=Z,3.9m,18.1s,MSS.5,baz=321,slow=34	P	P	21 16 29.2 +0.6
KEST	Kesra 69.91 20 eP	P	P	21 16 29.2 +0.6
PMTG	Montargil 70.06 4 eP	P	P	21 16 29.7 +0.2
PMTG	comp=Z,135nm,1.9s,mb5.6	LR	LR	21 39 29.1
MTP	Monte Pirata 70.06 307 eP	P	P	21 16 29.6 -0.3
CAEH	Obispo Poy 70.07 5 eP	P	P	21 16 33.2 +3.1
PMRV	Marv??o 70.17 5 eP	P	P	21 16 32.2 +0.2
PMRV	comp=Z,186nm,1.8s,mb5.7	eLR	LR	21 41 13.7
SJG	San Juan 70.48 307 P	P	P	21 16 31.4 -1.1
SJG	comp=Z,32nm,0.6s,mb5.4,baz=356,slow=23,SNR=12	LR	LR	21 46 03.2
SJG	comp=Z,2.9m,20.0s,MSS.4,baz=90,slow=35	LR	LR	
SJG	San Juan 70.48 307 P	P	P	21 16 32.0 -0.5
SJG	San Juan 70.48 307 eP	P	P	21 16 32.0 -0.5
PTOM	Tomar 70.59 4 eP	P	P	21 16 33.3 +0.6
OBIP	Obispo Poy 70.75 306 eP	P	P	21 16 33.7 -0.5
OBIP	comp=Z,160nm,1.7s,mb5.7	P	P	21 16 33.8 -0.4
OBIP	Obispo Poy 70.75 306 eP	P	P	21 16 33.8 -0.4
CELP	Cerrillos 70.75 306 eP	P	P	21 16 33.8 -0.4
PAB	San Pablo 70.87 7 eP	P	P	21 16 34.3 -0.1
PAB	comp=Z,20nm,1.4s,mb4.9	LR	LR	
PAB	comp=Z,2.9m,22.0s,MSS.2	LR	LR	
PAB	San Pablo 70.87 7 eP	P	P	21 16 34.3 -0.1
PAB	comp=Z,20nm,1.4s,mb4.8	pmax	pmax	
PAB	comp=Z,2.9m,22.0s,MSS.2	MLR	MLR	
PCBR	Castelo Branco 70.88 8 eP	P	P	21 16 34.5 +0.1
ESDC	Sonca Array 71.04 5 P	P	P	21 16 34.5 -0.9
ESDC	comp=Z,4.0nm,0.9s,mb4.4,baz=181,slow=6.9,SNR=30	LR	LR	21 45 53.6
ESDC	comp=Z,2.9m,20.0s,MSS.2	LR	LR	
ESDC	Sonca Array 71.04 5 P	P	P	21 16 34.5 -0.9
ESDC	comp=Z,4.0nm,0.9s,mb4.4,baz=181,slow=6.9,SNR=30	P	P	21 16 34.7 -0.7
ESLA	comp=Z,37nm,1.8s,mb5.0	LR	LR	
SBA	comp=Z,13.9m,21.0s,MSS.2	LR	LR	
SBA	Scott Base 71.22 180 eP	P	P	21 16 36.2 +0.1
SBA	comp=Z,68nm,1.1s,mb5.5	LR	LR	
SBA	comp=Z,2.9m,20.0s,MSS.3	LR	LR	
SBA	Scott Base 71.22 180 eP	pmax	pmax	
SBA	comp=Z,68nm,1.1s,mb5.5	MLR	MLR	
SBA	comp=Z,2.9m,20.0s,MSS.3	MLR	MLR	
MTE	Monte Teatigo 71.43 5 e			







Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for ISCJB 20:21:11:54.0+0.6, MEX 20:21:11:56.7+1.0, and NEIC 20:21:11:55.3+0.6.

ISC 20:21:18:01.1+2.0, 20:30:5.177:58W, h485km, 2.2km, mb3.5/11, mb1 3.7/13, mb1mx3.5/20, mbtmp3.5/13, Error ellipse: s-maj=23.4km s-min=13.3km az=148.0

NEIC 20:21:18:01.8+1.1, 20:38:5.177:50W, h500km, 1.1km, mb4.1/3, Error ellipse: s-maj=22.0km s-min=12.1km az=147.0

ISCJB 20:21:18:02.4+1.4, 20:45:1.177:40W, h1.1, h500km, 1.4km, mb4.0/14, Error ellipse: s-maj=25.0km s-min=15.0km az=140.3

ISC 20:21:18:01.8+1.2, 20:45:0.1177:55W, h1.495km, 1.2km, n56, c091/35, mb4.0/14, 1C, Fijii Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for MSFV Nonsavu, AFI Afiamalu, URZ Urewera, and WRA Warrungarra Arr.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for BUR08 Buocovina Ar. S, MMAI Mount Meron Arr, and EIL Elat.

NEIC 20:21:20:29.2, 12:89N:70:54W, h3km, MW4.1(CAR), After CAR.

FUNV 20:21:20:29.3, 12:89N:70:54W, h3km, MW4.1, Near coast of Venezuela

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for IMOV Isla Los Monje, MONV Montecano, and MONT Montecano.

CSEM 20:21:23:59.0+4.3, 36:94N:28:36E, h16km, 3km, ML2,2, Error ellipse: s-maj=38.4km s-min=16.7km az=141.4

ISCJB 20:21:23:59.5, 12:26:37N:05:28:37E, h0.0, h16km, 22km, Error ellipse: s-maj=11.8km s-min=7.1km az=141.4

ISC 20:21:24:00.4, 36:96N:28:18E, h7km, 3km, Md2.8, Error ellipse: s-maj=34.2km s-min=10.3km az=155.0

ISC 20:21:23:59.3+1.0, 36:96N:05:28:36E, h0.06, h18km, 8km, n10, c048/18, Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for YER Yerkesik, TUR Turunc, and DAT Datca.

ISC 20:21:24:44.8+1.1, 0:45N:97:94E, h0km, mb4.2/13, mb1 4.2/14, mb1mx4.1/24, mbtmp4.2/14, ML4.2/1, Error ellipse: s-maj=38.4km s-min=16.7km az=55.0

NEIC 20:21:29:50.9+3.3, 0:50N:98:01E, h42km, 36km, mb4.3/4, Error ellipse: s-maj=34.2km s-min=10.3km az=155.0

DJA 20:21:29:51.0, 0:18N:97:98E, h10km, MLV4.6/4, Error ellipse: s-maj=24.5km s-min=8.7km az=154.2

ISCJB 20:21:29:55.4+1.5, 0:80N:0:08E, 98:2E:0.1, h75km, 12km, mb4.3/22, Error ellipse: s-maj=24.5km s-min=8.7km az=154.2

ISC 20:21:29:56.9+1.4, 0:81N:0:08E, 98:2E:0.1, h79km, 11km, n54, c098/52, mb4.3/22, Northern Sumatra

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for PSI Prapat, ISI Tuntungan, and BSI Banda Aceh.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for TAPN Tapejung, RAMN Ramite, JIRN Jiri, and WRA Warrungarra Arr.

DJA 20:21:32:36.4, 1:14N:127:37E, h10km, MLV4.4/3, Error ellipse: s-maj=30.3km s-min=8.1km az=69.0

ISCJB 20:21:32:50.4+1.9, 3:30N:0:126E, 0:1, h82km, 1gkm, mb3.9/12, Error ellipse: s-maj=28.4km s-min=11.4km az=145.6

ISC 20:21:32:51.9+1.8, 3:22N:0:126E, 0:1, h80km, 17km, n34, c074/30, mb3.9/12, Talaud Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for SGSI Sangihe, TMT Ternate, MNI Manado, and DAV Davao City (W).

ISC 20:21:32:51.9+1.8, 3:22N:0:126E, 0:1, h80km, 17km, n34, c074/30, mb3.9/12, Talaud Islands

ISC 20:21:32:51.9+1.8, 3:22N:0:126E, 0:1, h80km, 17km, n34, c074/30, mb3.9/12, Talaud Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for LUWI Luwuk, FITZ Fitzroy Crossi, WRAB Tennant Creek, and WRA Warrungarra Arr.

ISC 20:21:32:51.9+1.8, 3:22N:0:126E, 0:1, h80km, 17km, n34, c074/30, mb3.9/12, Talaud Islands

ISC 20:21:32:51.9+1.8, 3:22N:0:126E, 0:1, h80km, 17km, n34, c074/30, mb3.9/12, Talaud Islands

ISC 20:21:32:51.9+1.8, 3:22N:0:126E, 0:1, h80km, 17km, n34, c074/30, mb3.9/12, Talaud Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for MSFV Nonsavu, AFI Afiamalu, URZ Urewera, and WRA Warrungarra Arr.

20d 22h

Table of astronomical observations for 20d 22h, listing station names, coordinates, and observation details.

2008 DEC

Table of astronomical observations for 2008 DEC, listing station names, coordinates, and observation details.

902

Table of astronomical observations for 902, listing station names, coordinates, and observation details.

MAN 20 22:21.23.9 68N x 122 96E, h1km, mb4.1, ML3.0, MS2.7, 2C-1D, Negros

Table of astronomical observations for MAN 20 22:21.23.9 68N x 122 96E, listing station names and observation details.

IDC 20 22:40:0.1.0.6.31.09S:176.96W, h0km, mb4.6/8, mb1.4.8/9, mb1mx4.5/16, mbtmp4.5/9, ML3.2/1, Error ellipse: s-maj=22.8km s-min=20.3km az=19.0

Table of astronomical observations for IDC 20 22:40:0.1.0.6.31.09S:176.96W, listing station names and observation details.

NEIC 20 22:40:0.2.0.0.3.1.25S:177.18W, h10km, mb5.0/10, Error ellipse: s-maj=13.8km s-min=10.3km az=105.0

Table of astronomical observations for NEIC 20 22:40:0.2.0.0.3.1.25S:177.18W, listing station names and observation details.





20d 23h

Table with columns: DBIC, Dimbokro, 74.81 72 P, 23 08 29.9 -0.4, etc.

ISCJB 20 23:22:46.3, 0.7, 22.72N, 0.02:95.84E, 0.02, h10km, 4km, mb4.5/69, MS4.7/38, Error ellipse: s-maj=4.3km

BUI 20 23:22:47.1, 22.70N, 95.85E, h16km, mb5.1/28, mb4.5/39, Ms5.2/45, Ms7.4/8/36

IDC 20 23:22:47.1, 0.5, 22.78N, 95.98E, h0km, mb4.1/21, mb1.4/2/22, mb1mx4.2/29, mbmp4.1/22, ML4.8/1, MS4.6/26, Ms1.4/6/26, ms1mx4.4/36, Error ellipse: s-maj=22.8km

NEIC 20 23:22:48.4, 0.2, 22.75N, 95.90E, h10km, mb4.8/20, Error ellipse: s-maj=7.5km s-min=4.1km az=44.0

MOS 20 23:22:49.5, 1.4, 22.67N, 95.78E, h33km, mb4.9/23, MS4.7/7, Error ellipse: s-maj=9.2km s-min=5.5km az=115.5

GCMT 20 23:22:51.2, 0.1, 22.65N, 96.09E, h15km, MWS.3, Moment Tensor Solution. s62.c88; s99.c193; Moment tensor: Scale 10^17Nm: Mr0.00; Mw0.00; Mw0.00; Mw0.00; Mw0.00; Mw0.00; Mw0.00; Best double couple: M1.00000x10^17 NP1.35359, 0.00000, 0.679, 0.00000, 0.172, 0.00000. NP2: 0.90, 0.00000, 0.82, 0.00000, 0.11, 0.00000. Principal axes: T 1.1000, Plg13.0000, Azm315.0000; N -0.1800, Plg76.0000; Azm125.0000; P -0.9200, Plg2.0000, Azm224.0000; Data Used: II U I G C N. Surface waves from 101 sta.

DJA 20 23:24:18.16, 54N, 96.147E, h293km, mb4.5/9

ISC 20 23:22:48.0, 0.8, 22.70N, 0.03:95.86E, 0.02, h8km, 5km, n231, s132/266, mb4.5/29, MS4.7/38, 5C-4D, Myanmar

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

2008 DEC

Main table with columns: CD2, comp=E, 16um, 18.4s, LR, LR, etc.

904

Main table with columns: HHC, comp=Z, 2410nm, 4.5s, pmax, pmax, etc.



21d Oh

Table with columns for station name, frequency, power, and other technical details. Includes stations like JOM Odawara 2, MJAR Matsushiro Arr, MAJO Matsushiro, etc.

2008 DEC

Table with columns for station name, frequency, power, and other technical details. Includes stations like AKTO Aktyubinsk, ASAR Alice Springs, YKA Yellowknife Arr, etc.

906

Table with columns for station name, frequency, power, and other technical details. Includes stations like GUN Gumba, STKA Stephens Creek, KOLN Kolanda, etc.

IDC 21 00:25:48.7d.0.5, 8.86N, 126.55E, h0km, mb4.2/20, mb1.4/3.20, mb1mx4.2/26, mbtmp2.4/20, MS3.6/10, Ms1.3/6.10, ms1mx3.4/43, Error ellipse: s-maj=28.6km s-min=10.4km az=74.0

MAN 21 00:25:52.8, 8.90N, 126.80E, h24km, mb4.8, ML3.7, MS3.8, ISJCJB 21 00:25:55.1, 0.9, 8.89N, 0.04, 126.75E, 0.06, h66km, 7km, mb4.3/29, Error ellipse: s-maj=10.8km s-min=6.3km az=161.2

NEIC 21 00:25:59.9, 1.3, 8.81N, 126.52E, h92km, 1km, mb4.5/3, Error ellipse: s-maj=13.8km s-min=5.7km az=60.0, ISJCJB 21 00:25:56.7, 0.8, 8.88N, 0.04, 126.72E, 0.07, h64km, 7km, n85, c091/83, mb4.4/29, 3C-3D, Mindanao

IDC 21 00:42:22.0, 8.34, 45N, 26.33E, h0km, mb3.9/14, mb1.3/9.20, mb1mx3.9/29, mbtmp3.8/20, ML3.9/6, Error ellipse: s-maj=18.9km s-min=15.2km az=168.0

MOS 21 00:42:25.2, 1.2, 34.46N, 26.35E, h33km, mb4.3/19, Error ellipse: s-maj=10.1km s-min=5.6km az=119.4, ISJCJB 21 00:42:25.4, 0.3, 34.31N, 0.02, 26.55E, 0.02, h55km, 3km, mb3.9/27, Error ellipse: s-maj=3.5km s-min=2.8km az=19.8

CSEM 21 00:42:27.0, 1.34, 35N, 26.51E, h46km, 2km, mb4.0/15, Error ellipse: s-maj=3.8km s-min=2.6km az=24.0, NEIC 21 00:42:29.6, 34.67N, 26.31E, h36km, mb4.2/13, ML3.5(ATH), After ATH.

ATH 21 00:42:29.6, 34.67N, 26.31E, h36km, 1km, MD3.7/10, ML3.5

THE 21 00:42:29.6, 34.55N, 26.46E, h14km, 1km, ML3.5/2, Error ellipse: s-maj=1.2km s-min=0.6km az=168.0, HLW 21 00:42:30.0, 34.24N, 26.49E, h33km, 16km, Md2.8, MI3.0, DDA 21 00:42:24.1, 1.35, 23N, 27.40E, h17km, Md3.7

IDC 21 00:42:27.0, 0.3, 34.34N, 0.02, 26.51E, 0.02, h48km, 4km, n342, c1911/397, mb3.9/27, Crete

Table with columns for Code, Station Name, Frequency, Power, and other technical details. Includes stations like BUTP Butuan, BUKP Musuan, CGP Cagayan de Oro, etc.

Table with columns for Code, Station Name, Frequency, Power, and other technical details. Includes stations like ZKR Zakros, KARP Karpathos, SIVA Sivas, etc.



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

NEIC 21 01:53:10.8, 16.48N; 100.19W, h12km, MD3.5(MEX), After MEX.

MEX 21 01:53:10.7, 0.6, 16.50N; 100.18W, h10km, 22km, MD3.5, Near coast of Guerrero.

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

ISK 21 01:53:51.9, 37.83N; 29.49E, h5km, MD2.6. ISCJB 21 01:53:52.0, 6.37.85N; 0.03; 29.54E; 0.05, h1km, 9km, Error ellipse: s-maj=6.3km s-min=4.8km az=170.6

DDA 21 01:53:52.6, 37.82N; 29.62E, h1km, 1km, Md2.9. CSEM 21 01:53:52.3, 0.2, 37.84N; 29.57E, h2km, MD2.9, Error ellipse: s-maj=4.6km s-min=3.0km az=80.0

ISC 21 01:53:52.9, 0.6, 37.86N; 0.03; 29.57E; 0.05, h2km, 9km, n18, -0.973/31, Turkey

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

IDC 21 01:56:38.0, 0.9, 11.33S; 116.10E, h0km, mb4.1/7, mb1.4/1.9, mb1mx4.0/1.8, mbtm4.1/1.9, ML3.7, MD3.2/1, Ms1 3.2/1, ms1mx2.3/0.3, Error ellipse: s-maj=36.1km s-min=18.2km az=66.0

ISCJB 21 01:56:41.1, 0.4, 11.40S; 0.05; 116.19E; 0.06, h33km, mb4.3/1.4, Error ellipse: s-maj=9.6km s-min=4.9km az=146.0

NEIC 21 01:56:44.7, 2.2, 11.35S; 116.26E, h45km, 20km, mb4.3/8, Error ellipse: s-maj=20.3km s-min=8.1km az=65.0

DJA 21 01:56:49, 11.03S; 115.93E, h63km, MLv4.4/1.4, ISC 21 01:56:43.4, 0.4, 11.37S; 0.05; 116.18E; 0.06, h35km, n52, r122/63, mb4.3/1.4, South of Sumbawa

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

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, AS31 Alice Springs, ASAR Alice Springs, etc.

GUC 21 02:00:01.4, 7.0, 9.32S; 55.72W, h19km, 7km, ML3.7, 6C-4D, Off coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like IHA Instituto Hidir, CHNG Los Chungos, ROCH El Roble, etc.

GUC 21 02:24:06.0, 0.8, 32.46S; 72.24W, h23km, 6km, MD3.7, ML3.1, 2C-4D, Off coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like IHA Instituto Hidir, CHNG Los Chungos, PTCH Petorca, etc.

IDC 21 02:28:16.5, 11.0, 50.79N; 170.99W, h0km, mb3.2/3, mb1 3.5/4, mb1mx3.3/2.6, mbtm3.2/4, ML3.6/1, Error ellipse: s-maj=229.4km s-min=52.6km az=77.0, South of Aleutian Islands

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

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like INK Inuvik, YKA Yellowknife Ar, TXAR Lajitas Array, etc.

JMA 21 02:31:51.8, 0.3, 23.71N; 122.23E, h9km, M2.9, ISCJB 21 02:31:52.4, 0.5, 23.99N; 0.02; 121.96E; 0.02, h34km, 3km, h36km, 13km, Error ellipse: s-maj=4.4km s-min=3.3km az=140.1

TAP 21 02:31:52.1, 2.4; 01N; 121.90E, h46km, ML3.4, B, ISC 21 02:31:52.4, 0.5, 23.99N; 0.02; 121.96E; 0.02, h34km, 3km, h32, -0.69/55, 2C-2D, Taiwan

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like HWA Hwalien, TWD Chiawan, ENA Nanau, etc.

GUC 21 02:00:01.4, 7.0, 9.32S; 55.72W, h19km, 7km, ML3.7, 6C-4D, Off coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like IHA Instituto Hidir, CHNG Los Chungos, ROCH El Roble, etc.

GUC 21 02:24:06.0, 0.8, 32.46S; 72.24W, h23km, 6km, MD3.7, ML3.1, 2C-4D, Off coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like IRIF Hierome-Funau, HATJ Hateruma jima, SSD Sandimen, etc.

IDC 21 02:53:12.2, 0.7, 55.87S; 27.50W, h0km, mb4.3/8, mb1 4.4/9, mb1mx4.2/1.5, mbtm4.3/3.9, ML4.8/1, Error ellipse: s-maj=24.1km s-min=20.2km az=63.0

ISCJB 21 02:53:21.6, 0.4, 55.95S; 0.1; 27.4W; 0.2, h86km, 39km, mb4.2/1.1, Error ellipse: s-maj=19.7km s-min=15.8km az=30.2

NEIC 21 02:53:25.4, 2.9, 55.92S; 27.42W, h108km, 27km, mb4.2/7, Error ellipse: s-maj=13.1km s-min=10.4km az=47.0

ISC 21 02:53:22.2, 3.4, 55.95S; 0.1; 27.5W; 0.2, h74km, 35km, n38, -0.85/26, mb4.2/1.1, South Sandwich Islands region



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DBIC Dimbokro, TORO Torodi Arr, ASAR Alice Springs, etc.

IDC 21 03:02:58.61.0.21.19N:122.54E, h0km, mb3.7/8, mb1 3.8/8, mb1mx3.6/23, mbtmp3.7/8, Error ellipse: s-maj=61.2km s-min=18.5km az=65.0

NEIC 21 03:03:15.70.0.9.21.06N:122.23E, h149km, 7km, Error ellipse: s-maj=34.5km s-min=10.0km az=65.0

ISCJB 21 03:03:18.9.0.8.21.29N:102.06.121.99E:0.09, h169km, 4km, mb3.5/8, Error ellipse: s-maj=13.8km s-min=9.4km az=165.3

TAP 21 03:03:19.2.21.26N:122.06E, h161km, 1km, ML4.4, D

ISC 21 03:03:19.3.0.8.5.21.27N:102.06.122.04E:0.09, h163km, 5km, n52, r1902/72, mb3.5/8, 2C, Taiwan region

Main table of station data for the left column, including codes like LAY, TSEB, TWK1, etc., and station names like Lan-yu, Hengchuen, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASAR Alice Springs, ASAR Alice Springs, BVAR Borovoye Array, etc.

IDC 21 03:15:38.8.0.9.38.73N:70.71E, h0km, mb3.7/9, mb1 3.9/14, mb1mx3.7/30, mbtmp3.7/14, ML3.6/5, Error ellipse: s-maj=16.3km s-min=14.5km az=65.0

ISCJB 21 03:15:47.2.0.9.39.07N:106.70.65E:0.09, h73km, 9km, mb3.5/9, Error ellipse: s-maj=11.2km s-min=9.5km az=63.3

NEIC 21 03:15:47.5.1.0.39.02N:70.70E, h61km, 10km, mb3.7/1, Error ellipse: s-maj=12.4km s-min=10.0km az=117.0

ISC 21 03:15:48.5.0.9.39.09N:106.70.59E:0.09, h68km, 6km, n54, r130/62, mb3.5/9, 3C-6D, Tajikistan

Main table of station data for the middle column, including codes like AML, KK31, KK31, etc., and station names like Almayashu, Karatay Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WMQ, WMQ, MK31, etc., and station names like Makanchi Array, Kurchatov, etc.

GUC 21 03:27:27.1.0.7.32.47S:72.18W, h23km, 5km, MD4.0, ML3.9, 2C-7D, Off coast of central Chile

Main table of station data for the right column, including codes like IHA, CHNG, etc., and station names like Instituto Hidr, Los Chungos, etc.

IDC 21 03:34:47.6.2.9.32.02S:176.53W, h0km, mb4.0/4, mb1 4.2/5, mb1mx4.0/17, mbtmp4.1/5, ML4.1.1, MS3.3/1, Ms1 3.3/1, mb1mx2.6/28, Error ellipse: s-maj=69.4km s-min=41.5km az=133.0, South of Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like URZ, DZM, etc., and station names like Urewera, Mont Dzumac, etc.

WEL 21 03:36:09.9.0.3.36.72S:179.24E, h12km, ML3.2/5, Error ellipse: s-maj=2.9km s-min=1.4km az=90.0, Off east coast of North Island

Main table of station data for the right column, including codes like MXZ, MXZ, etc., and station names like Matakaao Point, Puketiti, etc.

ISCJB 21 03:37:05.3.2.0.22.92N:109.143E:0.2, h91km, 16km, mb3.9/15, Error ellipse: s-maj=29.5km s-min=14.2km az=171.0

IDC 21 03:37:08.3.3.2.22.92N:143.05E, h102km, 28km, mb3.6/13, mb1 3.7/14, mb1mx3.6/24, mbtmp3.6/14, Error ellipse: s-maj=28.2km s-min=12.9km az=82.0

NEIC 21 03:37:08.2.1.4.22.91N:143.03E, h101km, 12km, mb4.0/3, Error ellipse: s-maj=18.8km s-min=9.6km az=81.0

ISC 21 03:37:07.4.1.9.22.94N:109.143E:0.2, h94km, 15km, n37, r0991/39, mb3.9/15, Volcano Islands region

Main table of station data for the right column, including codes like Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CBJI, CBJI, etc., and station names like Chichi jima, Matushiro Arr, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details. Includes stations like Pirque, El Canelo, Las Melosas, Coronel Fontan, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details. Includes stations like FAKI, Blak, Masoshi, Labuha, Ambon, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details. Includes stations like ULN, SONM, SONM, Petropavlovsk, etc.

JMA 21 04:14:49.5:0.3, 36.63N:142.21E, h24km, M3.1
ISCJBJ 21 04:14:50.6:1.2, 36.65N:0.05:142.2E:0.1, h33km,
mb3.4/4, Error ellipse: s-maj=14.5km s-min=6.8km
az=11.9

IDC 21 04:15:15.3:3.3, 36.33N:139.57E, h141km, 14km, mb3.0/4,
mb1 3.2/4, mb1mx3.0/22, mbtmp4.0/4, MS2.7/1, Ms1 2.7/1,
ms1mx2.2/10, Error ellipse: s-maj=81.0km s-min=20.4km
az=62.0

ISC 21 04:14:51.7:1.2, 36.65N:0.05:142.2E:0.1, h35km, n20,
+0572.21, mb3.4/4, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details. Includes stations like ONAJ, JFK, JHO, etc.

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

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

CSEM 21 04:44:40.2, 34.01N:26.65E, h12km, MD3.5, After ATH
ATH 21 04:44:40.2, 34.01N:26.65E, h12km, 1km, MD3.5/11,
Crete

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station details. Includes stations like YNG, MJAR, CMAR, etc.

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

IDC 21 04:45:54.9:0.6, 0.35S:132.32E, h0km, mb4.4/11,
mb1 4.5/14, mb1mx4.3/22, mbtmp4.4/14, ML4.0/3, MS3.7/12,
Ms1 3.6/12, ms1mx3.3/38, Error ellipse: s-maj=30.1km
s-min=10.7km az=76.0

ISCJBJ 21 04:46:01.9:0.9, 0.40S:0.05:132.40E:0.04, h67km, 8km,
mb4.5/37, Error ellipse: s-maj=8.7km s-min=6.0km
az=42.1

DJA 21 04:46:02.3:0.5, 1.5S:131.2E, h10km, M4.8, mb5.0/10,
mb5.6/3, MLV4.7/7, MM(b)M5.1/3

NEIC 21 04:46:04.0:1.6, 0.40S:132.35E, h72km, 16km, mb4.5/21,
Error ellipse: s-maj=11.3km s-min=6.0km az=55.0
BUJ 21 04:46:04.7:0.4, 0.40S:132.40E, h78km, mb5.1/14, mb4.7/21,
Ms4.9/6, Ms7.4/8

LZH Chengdu 41.37 321.1 P P 04 54 37.8 +4.4

LZH Lanzhou 45.01 327.8 P P 04 54 12.4 -0.2

LZH Lanzhou 45.01 327.8 P P 04 54 30.8 +1.4

LZH Lanzhou 45.01 327.8 P P 04 54 39.8 +2.7

NIED 21 05:02:00.45:80N:142.60E, h340km, Mw4.5 Best
double couple: M:7.500000:1015 NP1:349.000000,
864.000000, A:-147.000000. NP2:304.000000,
864.000000, A:-30.000000

ISCJBJ 21 05:02:35.9:0.9, 4.5:86N:0.02:142.52E:0.3,
h326km, 14km, mb4.4/26, Error ellipse: s-maj=3.7km
s-min=3.5km az=30.8

BUJ 21 05:02:35.3, 45.99N:142.51E, h328km, mb4.7/27,
mb4.7/47

MOS 21 05:02:35.7:0.9, 45.94N:142.41E, h325km, mb4.6/49,
Error ellipse: s-maj=8.2km s-min=5.0km az=109.9
NEIC 21 05:02:36.6:0.3, 45.91N:142.51E, h326km, 3km, mb4.7/59,
MW4.5(NIED), Error ellipse: s-maj=4.9km s-min=3.4km
az=143.0

21d 5h

2008 DEC

912

Table with columns for station call signs (e.g., YSS, JRR, JSS, etc.), frequencies, and signal strength indicators (e.g., S, P, A, B).

Table with columns for station call signs (e.g., USRK, OKH, KLR, etc.), frequencies, and signal strength indicators (e.g., P, S, A, B).

Table with columns for station call signs (e.g., SONM, BILL, XAN, etc.), frequencies, and signal strength indicators (e.g., P, S, A, B).



21d 5h

Table of astronomical observations for 21 days, 5 hours. Columns include station name, coordinates, magnitude, and other parameters. Includes stations like AVF, AVF, AVF, etc.

2008 DEC

Table of astronomical observations for 2008 December. Columns include station name, coordinates, magnitude, and other parameters. Includes stations like FITZ, WRA, ASAR, STKA, MKAR, KURK, etc.

914

Table of astronomical observations for 914. Columns include station name, coordinates, magnitude, and other parameters. Includes stations like TXAR, TORO, TORO, etc.







MAN 21 06:22:59, 8.97N x 125.95E, h24km, mb4.3, ML3.2, MS3.0, 1D, Mindanao

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
BUTP	Buruan	0.33	269	Op	ISC	h m s ISC
BUTP	Buruan				Pn	06 23 08.4 +2.0
BUTP	Buruan				Sb	06 23 16.4 +5.1
CGP	Cagayan de Oro	1.34	248	eS	Pn	06 23 23.8 +1.5
CGP	Cagayan de Oro				Pn	06 23 23.3 -1.6
BUKP	Musuan	1.40	219	eP	Pn	06 23 22.9 -0.1
MSLP	Maasin	1.58	317	eP	Pn	06 23 25.7 +0.2

IDC 21 06:30:15.4, 3.5, 0.85S; 135.13E, h0km, mb3.3/2, mb1 3.5/3, mb1mx3.3/16, mbtmp3.4/3, ML3.1/1, Error ellipse: s-maj=167.4km s-min=27.6km az=78.0, Irian Jaya region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
WRA	Warramunga Arr	18.99	182	Op	ISC	h m s ISC
WRA	Warramunga Arr				Pn	06 34 38.6 -0.7
ASAR	Alice Springs	22.71	183	P	Pn	06 35 19.1 +0.1
MKAR	Makanchi Array	66.16	323	P	Pn	06 41 04.9 +0.1

NEIC 21 06:48:14.9, 0.4, 22.88S; 67.97W, h106km, mb4.9/70, Error ellipse: s-maj=6.0km s-min=4.8km az=64.0

NEIC Felt at Antofagasta, ISCJB 21 06:48:14.0, 0.4, 22.89S; 0.03:68.00W/0.04, h109km, mb4.9/92, Error ellipse: s-maj=6.4km s-min=5.1km az=166.4

GUC 21 06:48:16.5, 0.8, 22.82S; 68.27W, h116km, mb5.1km, ML5.3  
 BUI 21 06:48:17.9, 22.80S; 67.90W, h103km, mb5.4/10  
 DJC 21 06:48:17.7, 0.5, 22.83S; 68.04W, h127km, mb4.7/16, mb1 4.7/18, mb1mx4.7/19, mbtmp4.7/18, MS3.1/2, Ms1 3.8/12, ms1mx3.7/20, Error ellipse: s-maj=13.8km s-min=11.4km az=71.0

LDG 21 06:48:19.2, 0.3, 21.94S; 68.27W, h124km, Mb5.2/22, Ms4.1/8, Error ellipse: s-maj=30.6km s-min=16.0km az=149.0

GCMT 21 06:48:21.8, 0.2, 22.94S; 68.34W, h142km, 1km, MWV5.2, Moment Tensor Solution, s45, c58; s99, c193; Moment tensor: Scale 10<sup>16</sup>Nm; Mrr=2.31e+20; Mθθ=0.43e+23; Mφφ=2.74e+28; Mφθ=3.52e+13; Mφθ=0.46e+20; Mφθ=1.71e+16; Best double couple: M8.00000; 1016 NP1=193.00000°, δ11.00000°, λ=51.00000°. NP2=333.00000°, δ81.00000°, λ=97.00000°. Principal axes: T 8.0900, P1g36.0000; P Azm70.0000; N -0.1800, P1g36.0000; Azm334.0000; P 7.9300, P1g35.0000; Azm235.0000; Data Used: II U G IC; Surface waves: sta=79 comp=121, pefs=50

ISC 21 06:48:15.1, 0.4, 22.87S; 0.03:67.99W/0.04, h103km, mb4.9/92, Error ellipse: s-maj=167.4km s-min=27.6km az=78.0, Chile-Bolivia border region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
SPCH	San Pedro de A	0.20	260	Op	ISC	h m s ISC
SPCH	San Pedro de A				Pn	06 48 33.0 +3.4
SPCH	San Pedro de A				Sb	06 48 45.9 +5.3
SPCH	San Pedro de A	0.20	260	iP	Pn	06 48 33.0 +3.4
SPCH	San Pedro de A				Sb	06 48 45.9 +5.3
SPCH	San Pedro de A				AML	06 48 46.9
LVC	Limon Verde	0.89	287	ePn	Pn	06 48 35.9 +1.3
LVC	Limon Verde				eS	06 48 50.5 +6.1
LVC	Limon Verde	0.89	287	iP	Pn	06 48 36.1 +1.4
LVC	Limon Verde				iS	06 48 50.5 +6.1
LVC	Limon Verde				AML	06 48 52.3
PB04	Plate Boundary	1.52	293	iP	Pn	06 48 48.2 +6.5
PB04	Plate Boundary				iS	06 49 12.9 +1.3
PB04	Plate Boundary				AML	06 49 19.9
PB09	Plate Boundary	1.58	312	iP	Pn	06 48 43.9 +1.3
PB09	Plate Boundary				iS	06 49 04.3 +3.1
PB09	Plate Boundary				AML	06 49 07.5
MACH	Maria Elena	1.77	292	iP	Pn	06 48 45.0 +1.1
MACH	Maria Elena				Sb	06 49 06.6 +0.8
MACH	Maria Elena	1.77	292	iP	Pn	06 48 45.0 +1.1
MACH	Maria Elena				iS	06 49 06.6 +0.8
PB07	Plate Boundary	2.10	303	iP	Pn	06 48 49.0 +0.0
PB07	Plate Boundary				iS	06 49 13.3 -0.4
PB07	Plate Boundary				AML	06 49 15.8
CEN1	Los Morros	1.20	255	iP	Pn	06 48 51.7 +2.6
CEN1	Los Morros				iS	06 49 17.4 +3.6
CEN1	Los Morros				AML	06 49 24.8
MECH	Mejillones	2.28	264	iP	Pn	06 48 50.6 -0.8
MECH	Mejillones				iS	06 49 18.0 -0.2
MECH	Mejillones	2.28	264	iP	Pn	06 48 50.6 -0.8
MECH	Mejillones				iS	06 49 18.0 -0.2
MECH	Mejillones				AML	06 49 28.4
PB01	Plate Boundary	2.29	322	iP	Pn	06 48 52.2 +0.6
PB01	Plate Boundary				iS	06 49 19.0 +0.5
PB01	Plate Boundary				AML	06 49 21.6
ANCH	Antofagasta	2.37	250	iP	Pn	06 48 51.8 -0.8
ANCH	Antofagasta				iS	06 49 18.6 -1.7
ANCH	Antofagasta	2.37	250	iP	Pn	06 48 51.8 -0.8
ANCH	Antofagasta				iS	06 49 18.6 -1.7
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +1.7
LPAZ	La Paz				S	06 50 52.7 -9.5
LPAZ	La Paz				LR	06 52 06.8
LPAZ	La Paz	6.55	359	P	Pn	06 49 50.6 +

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DAVOX Davos/Dischmat, GERES GRESS Array B, NOA NORSTAR Array B, etc.

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

ISK 21 07:52:42.9, 40.28N; 27.03E, h5km, MD2.7, Error ellipse: s-maj=5.7km s-min=4.5km az=25.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like LPE Lapseki, LPE Lapseki, KRBB Karabiga-Canak, etc.

IDC 21 07:11:38.8; 1.6, 9.73S; 150.80E, h0km, mb3.6/6, mb1.3/8.7, mb1mx3.7/14, mbtrmp3.7/7, ML3.3/1, MS3.3/5, Ms1.3/2.5, ms1mx2.8/22, Error ellipse: s-maj=61.5km

NEIC 21 07:11:43.2; 0.9, 9.94S; 150.96E, h35km, mb3.6/1, Error ellipse: s-maj=22.2km s-min=12.3km az=124.0

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like STKA Stephens Creek, FITZ Fitzroy Cross, FORT Forrest, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NWAO Narrogin (SRO), SONM Songoing Array, SONM Songoing Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IHA Instituto Hidir, PTCH Petorca, PTCH Petorca, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ROCH El Roble, ROCH El Roble, JACH Jahuel, etc.

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

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

IDC 21 07:35:50.3; 1.0, 36.66N; 142.54E, h0km, mb3.4/7, mb1.3/5.9, mb1mx3.5/23, mbtrmp3.4/9, ML3.2/2, Error ellipse: s-maj=25.6km s-min=1.1km az=93.0

NEIC 21 07:35:51.3; 36.60N; 142.59E, h24km, MG3.3(JMA), After JMA, JMA 21 07:35:51.2; 0.3, 36.60N; 142.59E, h24km, M3.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JHO Hitachi, JHO Hitachi, JMM Marumori, etc.

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

ISCJB 21 07:39:22.6; 0.4, 41.43N; 0.02; 9.72E; 0.04, h10km, Error ellipse: s-maj=4.6km s-min=3.0km az=175.8

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DGI Dorgali Grotta, DGI Dorgali Grotta, DGI Dorgali Grotta, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAON Monte Argentar, MAON Monte Argentar, MAON Monte Argentar, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like LMR La Moudre, LMR La Moudre, LMR La Moudre, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like FRF La Foret Royal, FRF La Foret Royal, FRF La Foret Royal, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SMRF Simiane la Rot, SMRF Simiane la Rot, SMRF Simiane la Rot, etc.

Table with columns: SMRF, Station Name, Time, Res, Code, Station Name, Az, AzZ, Phase ID, Time, Res, Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Simiane la Rot, Oris-en-Rattie, La Plagne, etc.

ISCJB 21 07:45:24.0, 4.0, 3.0, 19N, 0.05, 138.78E, 0.07, h430km, 5km, mb3.9/23, Error ellipse: s-maj=10.2km

JMA 21 07:45:24.5, 0.3, 3.0, 30N, 139.25E, h457km, 4km, M4.1

NEIC 21 07:45:25.7, 0.5, 3.0, 22N, 138.76E, h428km, 6km, mb4.2/9, Error ellipse: s-maj=8.4km s-min=7.6km az=133.0

ISC 21 07:45:25.9, 0.6, 3.0, 27N, 0.06, 138.79E, 0.08, h427km, 5km, n70, c0886/82, mb3.9/23, Southeast of Honshu

Main station list table for the left column, including stations like Mitsune, Chichi jima, Boso, etc.

Table with columns: YKA, Station Name, Time, Res, Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Yellowknife Arr, FINESS Array B, etc.

IDC 21 08:04:37.7, 2.2, 0.25, 62N, 122.89E, h195km, 21km, mb3.0/6, mb1.3, 2.6, mb1mx3.0/21, mbtmp3.0/6, Error ellipse: s-maj=19.1km s-min=14.8km az=66.0

ISCJB 21 08:04:41.3, 0.4, 2.5, 51N, 0.06, 122.81E, 0.03, h239km, 4km, mb3.1/6, Error ellipse: s-maj=10.1km s-min=3.9km az=165.8

NEIC 21 08:04:41.2, 1.7, 2.5, 56N, 122.78E, h232km, 15km, MG3.7(JMA), Error ellipse: s-maj=46.8km s-min=14.4km az=67.0

TAP 21 08:04:41.8, 2.5, 49N, 122.93E, h235km, 1km, ML4.2, C

JMA 21 08:04:43.8, 0.4, 2.5, 62N, 122.79E, h213km, M3.7

ISC 21 08:04:42.1, 0.4, 2.5, 51N, 0.06, 122.80E, 0.03, h233km, 4km, n77, c0899/90, mb3.1/6, 1C, Taiwan region

Main station list table for the middle column, including stations like Santiaio Chiao, Wufen Shan, etc.

Table with columns: ZALV, Station Name, Time, Res, Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Zalesovo Beam, Warramunga Arr, etc.

ISCJB 21 08:20:03.4, 0.7, 3.6, 79N, 0.06, 140.72E, 0.06, h90km, 4km, mb3.3/3, Error ellipse: s-maj=10.6km s-min=6.2km az=143.6

IDC 21 08:20:03.7, 3.2, 3.6, 76N, 140.87E, h75km, 31km, mb3.2/3, mb1.3, 5.5, mb1mx3.1/24, mbtmp3.3/5, Error ellipse: s-maj=31.9km s-min=18.7km az=129.0

JMA 21 08:20:05.0, 0.1, 3.6, 78N, 140.63E, h81km, 1km, M3.4

NEIC 21 08:20:05.0, 3.6, 78N, 140.63E, h81km, MG3.4(JMA), After JMA

ISC 21 08:20:04.6, 0.7, 3.6, 79N, 0.05, 140.70E, 0.06, h83km, 4km, n22, c081816, mb3.3/3, 3C-5D, Near east coast of eastern Honshu

Main station list table for the right column, including stations like Hitachi, Iwakimizuishiy, etc.

DJA 21 08:24:44.2, 55S, 139.18E, h10km, MLV3.5/3, Near north coast of Irian Jaya

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

ISCJB 21 08:32:14.4, 0.6, 13.86N, 0.06, 144.9E, 0.1, h150km, 5km, mb4.1/21, Error ellipse: s-maj=22.5km s-min=9.3km az=170.8

NEIC 21 08:32:14.7, 0.4, 13.88N, 144.92E, mb4.8/3, Error ellipse: s-maj=16.4km s-min=7.8km az=82.0

IDC 21 08:32:15.1, 0.4, 13.91N, 144.95E, h140km, 3km, mb3.9/18, mb1.4, 0.18, mb1mx3.9/26, mbtmp3.8/18, Error ellipse: s-maj=16.6km s-min=9.1km az=89.0

ISC 21 08:32:15.5, 0.6, 13.88N, 0.06, 144.9E, 0.1, h146km, 5km, h140km, 4.1km, pP-P, n57, c0862/51, mb4.1/21, Mariana Islands

Main station list table for the right column, including stations like GUMO, Kunigami, etc.







KSRS	Korea Array	11.56 279	P	Pn	09 19 31.4 +1.7
KSRS	comp=Z,1.0nm,0.3s		pmax	pmax	
KSRS	comp=Z,32um,20.7s		MLR	MLR	
KSAR	Wonju Array Be	11.59 278	Pn	Pn	09 19 31.4 +1.3
KSAR	Wonju Array Be	11.59 278	P	Pn	09 19 31.4 +1.3
UGL	Uglegorsk	12.47 359	eP	Pn	09 19 44.5 +2.4
UGL			e		09 22 06.0
UGL	comp=Z,46nm,0.7s		pmax	pmax	
UGL	comp=N,35um,18.0s		MLR	MLR	
UGL	comp=E,118um,18.0s		MLR	MLR	
MDJ	Mudanjiang	12.55 314	P	Pn	09 19 42.9 -0.4
MDJ			S	Sn	09 22 03.3 -0.2
MDJ			PcP	PcP	09 25 22.0 -0.3
MDJ			ScP	ScP	09 28 53.0 -3.0
MDJ			PcS	PcS	09 28 55.5 -0.8
MDJ			ScS	ScS	09 32 31.4 -0.7
MDJ	comp=Z,4um,11.3s		pmax	pmax	
MDJ	comp=N,61um,19.5s		LR	LR	
MDJ	comp=E,25um,14.6s		LR	LR	
MDJ	comp=Z,44um,18.3s		LR	LR	
MDJ	Mudanjiang	12.55 314	ePn	Pn	09 19 45.0 +1.8
MDJ	comp=Z,199nm,1.1s		ePn	Pn	09 19 45.0 +1.8
INCN	Inchon	12.59 279	ePn	Pn	09 19 46.5 +2.9
HABR	Khabarovsk	13.01 338	eP	Pn	09 19 52.5 +3.0
HABR			e		09 22 15.7
HABR	comp=Z,78nm,1.8s		pmax	pmax	
HABR	comp=N,73nm,1.8s		pmax	pmax	
HABR	comp=E,68nm,1.8s		pmax	pmax	
HABR	comp=E,44um,12.0s		MLR	MLR	
HABR	comp=N,18um,13.0s		MLR	MLR	
HABR	comp=Z,4um,16.0s		MLR	MLR	
CN2	Changchun	14.76 304	eP	Pn	09 20 11.9 -1.5
CN2			eP	Pn	09 20 19.5 -1.2
CN2			eS	Sn	09 22 54.6 -2.8
CN2			eS	Sn	09 22 54.6 -2.8
CN2	comp=Z,60nm,0.9s		LR	LR	
CN2	comp=N,34um,12.0s		LR	LR	
CN2	comp=E,65um,12.0s		LR	LR	
CN2	comp=Z,26um,15.0s		LR	LR	
KLR	Kul'dur	14.79 332	eP	Pn	09 20 06.0 -7.8
KLR			e		09 22 52.0
KLR	comp=N,2um,12.0s		pmax	pmax	
KLR	comp=Z,3um,12.0s		pmax	pmax	
JOW	Kunigami	15.42 235	Pn	Pn	09 20 21.5 -0.8
JOW	comp=Z,1.0nm,0.3s,baz=71,slow=11,SNR=9.5		Pn	Pn	09 20 21.5 -0.8
JOW	Kunigami	15.42 235	eP	Pn	09 20 19.9 -2.3
JOW	comp=Z,234nm,1.7s		eP	Pn	09 20 25.3 +2.8
SNY	Shenyang	15.44 295	P	Sn	09 23 15.0 +1.0
SNY			S	Sn	09 23 15.0 +1.0
SNY	comp=Z,43nm,1.3s		pmax	pmax	
SNY	comp=Z,4um,12.0s		LR	LR	
SNY	comp=N,84um,13.2s		LR	LR	
SNY	comp=Z,62um,12.6s		LR	LR	
DL2	Dalian	16.54 284	P	Pn	09 20 40.3 +3.6
DL2			pmax	pmax	
DL2	comp=Z,60nm,1.5s		LR	LR	
DL2	comp=N,15um,11.7s		LR	LR	
DL2	comp=E,17um,11.7s		LR	LR	
DL2	comp=Z,20um,11.2s		LR	LR	
OKH	Okha	16.95 1	eP	Pn	09 20 44.0 +2.2
OKH			eS	Sn	09 23 54.0 +3.6
OKH	comp=Z,5um,4.0s		pmax	pmax	
OKH	comp=E,46um,8.0s		smax	smax	
OKH	comp=N,48um,11.0s		smax	smax	
OKH	comp=Z,55um,15.0s		smax	smax	
SKR	Severo-Kuril's	17.20 31	eP	Pn	09 20 44.0 -1.0
SKR			pmax	pmax	
SKR	comp=Z,400nm,1.5s		pmax	pmax	
SKR	comp=N,220nm,1.0s		pmax	pmax	
SKR	comp=E,220nm,1.0s		pmax	pmax	
SKR	comp=Z,6um,18.0s		pmax	pmax	
SKR	comp=N,6um,14.0s		pmax	pmax	
SKR	comp=E,6um,14.0s		pmax	pmax	
SKR	comp=N,14um,16.0s		MLR	MLR	
SKR	comp=E,34um,16.0s		MLR	MLR	
SKR	comp=Z,42um,16.0s		MLR	MLR	
SSE	Sheshan	18.40 259	P	Pn	09 20 57.6 -2.3
SSE			S	Sn	09 24 22.8 -3.0
SSE			S	Sn	09 24 33.5 +1.1
SSE	comp=Z,33nm,0.7s		pmax	pmax	
SSE	comp=Z,210nm,3.9s		LR	LR	
SSE	comp=N,48um,15.4s		LR	LR	
SSE	comp=E,15um,15.3s		LR	LR	
SSE	comp=Z,32um,12.4s		LR	LR	
PEA0B	Petropavlovsk-	19.70 28	eP	Pn	09 21 15.4 0.0
PETK	Petropavlovsk-	19.70 28	P	Pn	09 21 14.2 -1.2
PETK	comp=Z,0.7nm,0.3s,baz=199,slow=10.0,SNR=19		LR	LR	09 21 30.0
PETK	comp=Z,11um,18.5s,baz=214,slow=36		Pn	Pn	09 21 14.2 -1.2
PETK	Petropavlovsk-	19.70 28	P	Pn	09 21 14.3 -1.1
PETK	Petropavlovsk-	19.70 28	P	Pn	09 21 14.3 -1.1
PETK	comp=Z,1.0nm,0.3s		pmax	pmax	
PETK	comp=Z,1.1um,18.5s		MLR	MLR	
NJ2	Nanjing	19.91 264	eP	Pn	09 21 14.8 -3.3
NJ2			eP	Pn	09 21 19.5 +1.9
NJ2			eS	Sn	09 21 22.3 +4.2
NJ2			eS	Sn	09 21 31.8
NJ2			S	Sn	09 24 53.0 -9.3
NJ2			S	Sn	09 25 05.5 +2.7
NJ2	comp=Z,30nm,0.7s		pmax	pmax	
NJ2	comp=Z,2um,11.4s		LR	LR	
NJ2	comp=N,27um,17.6s		LR	LR	
NJ2	comp=E,30um,13.8s		LR	LR	
NJ2	comp=Z,32um,14.0s		LR	LR	
PET	Petropavlovsk	20.00 30	eP	P	09 21 16.5 -0.9
PET	comp=Z,16um,19.0s,MS5.4		LR	LR	
PET	Petropavlovsk	20.00 30	eP	P	09 21 16.7 -0.7
PET			eS	S	09 24 53.7 -9.0
PET	comp=Z,8um,6.3s		pmax	pmax	
PET	comp=Z,6um,10.8s		pmax	pmax	

PET	comp=Z,158nm,1.3s		pmax	pmax	
PET	comp=Z,15um,16.0s,MS5.4		MLR	MLR	
PET	comp=Z,16um,15.0s		MLR	MLR	
TIA	Tai'an	20.29 276	P	P	09 21 19.3 -1.3
TIA			S	S	09 25 24.9 +1.6
TIA	comp=Z,40nm,1.1s		pmax	pmax	
TIA	comp=Z,4um,14.7s		LR	LR	
TIA	comp=N,38um,13.7s		LR	LR	
TIA	comp=E,18um,20.6s		LR	LR	
TIA	comp=Z,24um,17.6s,MS5.6		LR	LR	
TIA	Tai'an	20.29 276	P	P	09 21 19.6 -1.0
TIA			pmax	pmax	
TIA	comp=Z,50nm,1.0s		LR	LR	
TIA	comp=N,38um,13.7s		LR	LR	
TIA	comp=E,18um,20.6s		LR	LR	
HIA	Hailar	20.73 315	eP	P	09 21 23.4 -1.9
HIA	comp=Z,24um,17.6s,MS5.6		eP	P	09 21 23.4 -1.9
HIA	comp=Z,122nm,1.1s		LR	LR	
HIA	Hailar	20.73 315	eP	P	09 21 23.4 -1.9
HIA	comp=Z,29um,21.0s,MS5.6		eP	P	09 21 23.4 -1.9
HIA			pmax	pmax	
HIA	comp=Z,122nm,1.1s		MLR	MLR	
HIA	comp=Z,29um,21.0s		P	P	09 21 23.8 -2.2
BJI	Beijing	20.79 287	S	S	09 25 15.3 -3.2
BJI			S	S	09 25 15.3 -3.2
BJI	comp=Z,69nm,1.6s		LR	LR	
BJI	comp=N,7um,13.7s,MS6.0		LR	LR	
BJI	comp=E,37um,12.0s,MS6.0		LR	LR	
BJI	comp=Z,11um,23.1s		LR	LR	
BJT	Baijituau	20.79 287	eP	P	09 21 25.0 -1.1
BJT	comp=Z,160nm,1.0s		LR	LR	
BJT	comp=Z,16um,19.0s,MS5.4		eP	P	09 21 25.0 -1.1
BJT	Baijituau	20.79 287	eP	P	09 21 25.0 -1.1
BJT			pmax	pmax	
BJT	comp=Z,160nm,1.0s		MLR	MLR	
YHNB	Yeheng	21.56 242	eP	P	09 21 31.8 -2.6
YHNB	comp=Z,96nm,1.0s,mb5.2		eP	P	09 21 31.8 -2.6
NACB	Ninganchiao	21.71 241	eP	P	09 21 33.5 -2.5
NACB	comp=Z,163nm,1.4s,mb5.3		eP	P	09 21 33.5 -2.5
SSLB	Suanguang	22.41 241	eP	P	09 21 40.8 -2.7
SSLB	comp=Z,96nm,0.9s,mb5.2		eP	P	09 21 40.8 -2.7
YULB	Yu-li	22.42 240	eP	P	09 21 42.5 -1.2
YULB	comp=Z,64nm,1.0s,mb5.0		eP	P	09 21 42.5 -1.2
TPUB	Ta-pu	22.95 241	eP	P	09 21 45.8 -3.5
TPUB	comp=Z,134nm,0.8s,mb5.4		eP	P	09 21 45.8 -3.5
TWG	Pinlang	22.95 239	eP	P	09 21 49.5 +0.2
TWG	comp=Z,589nm,1.9s,mb5.7		eP	P	09 21 49.5 +0.2
GUMO	Guam	23.03 174	P	P	09 21 49.2 -1.0
GUMO	comp=Z,163nm,1.0s,mb5.4,baz=15,slow=20,SNR=3.2		LR	LR	09 28 35.1
GUMO	Guam	23.03 174	P	P	09 21 50.1 +0.1
GUMO	comp=Z,16um,1.4s,mb5.2		P	P	09 21 49.2 -0.9
GUMO	Guam	23.03 174	P	P	09 21 49.2 -0.9
GUMO			pmax	pmax	
GUMO	comp=Z,163nm,1.0s,mb5.4		P	P	09 21 59.6 +9.5
GUMO	Guam	23.03 174	P	P	09 21 52.1 -1.4
CLNS	Chul'man	23.38 335	eP	P	09 21 58.7
CLNS			eP	P	09 22 27.9
CLNS			eP	P	09 25 38.7
CLNS			eS	S	09 26 03.5 -3.1
CLNS			eS	S	09 26 46.2
CLNS			eS	S	09 32 59.2
CLNS	comp=N,90nm,0.9s		pmax	pmax	
CLNS	comp=Z,127nm,1.0s,mb5.3		pmax	pmax	
CLNS	comp=E,57nm,0.9s		smax	smax	
CLNS	comp=N,8um,13.0s		smax	smax	
CLNS	comp=E,6um,14.7s		smax	smax	
CLNS	comp=E,22um,11.0s,MS5.9		MLR	MLR	
CLNS	comp=Z,24um,16.0s,MS5.7		MLR	MLR	
CLNS	comp=N,19um,15.0s,MS5.9		MLR	MLR	
QZH	Quanzhou	23.42 247	P	P	09 21 50.0 -4.2
QZH			S	S	09 25 55.3 -1.3
QZH	comp=Z,270nm,1.0s,mb5.6		pmax	pmax	
QZH	comp=Z,2um,4.7s		LR	LR	
QZH	comp=N,22um,11.4s,MS6.0		LR	LR	
QZH	comp=E,26um,12.8s,MS6.0		LR	LR	
QZH	comp=Z,46um,13.6s,MS6.1		LR	LR	
TIY	Taiyuan	23.82 282	eP	P	09 21 57.9 -0.1
TIY			S	S	09 26 06.3 -7.9
TIY			S	S	09 26 20.8 +4.7
TIY	comp=Z,3um,5.6s		pmax	pmax	
TIY	comp=N,19um,12.9s,MS6.0		LR	LR	
TIY	comp=E,28um,13.5s,MS6.0		LR	LR	
TIY	comp=Z,34um,13.5s,MS6.0		LR	LR	
WHN	Wuhan	24.05 264	P	P	09 21 59.4 -0.7
WHN			P	P	09 22 03.4
WHN			S	S	09 26 16.1 -1.9
WHN	comp=N,59um,13.4s,MS6.3		LR	LR	
WHN	comp=E,56um,14.9s,MS6.3		LR	LR	
WHN	comp=Z,68um,16.0s,MS6.2		LR	LR	
HHC	Hu-ho-hao-te	24.32 289	eP	P	09 22 00.9 -1.6
HHC			pP	P	09 22 05.3
HHC			pP	S	09 22 08.1 +4.0
HHC			PcP	PcP	09 22 35.9
HHC			PcP	PcP	09 22 42.9 +0.7
HHC			S	S	09 26 16.1 -6.1
HHC			S	S	09 26 22.1 -2.0
HHC			S	S	09 27 08.8
HHC			ScP	ScP	09 29 19.3 -2.3
HHC	comp=Z,2um,5.2s		pmax	pmax	
HHC	comp=N,14um,11.6s,MS6.0		LR	LR	
HHC	comp=E,27um,12.0s,MS6.0		LR	LR	
HHC	comp=Z,32um,12.2s,MS6.0		LR	LR	
BTO	Baotou	25.49 289	eP	P	09 22 10.8 -2.4
BTO			S	S	09 26 39.1 -1.9
BTO	comp=N,7um,13.1s,MS5.6		LR	LR	
BTO	comp=E,10um,11.8s,MS5.6		LR	LR	
CIT	Chita	25.50 316	eP	P	09 22 13.8 +0.6
CIT			e	e	09 22 25.9
CIT			e	e	09 22 51.8
CIT			e	e	09 26 43.5
CIT			e	e	09 33 08.1
PIP	Pasuquin	26.41 232	eP	P	09 22 23.2 +1.5
YAK	Yakutsk	26.65 347	eP	P	09 22 22.6 -0.9
YAK	comp=Z,401nm,0.7s,mb5.1		eP	P	09 22 22.6 -0.9
YAK	Yakutsk	26.65 3			



Table with columns for call sign, name, frequency, power, and status. Includes stations like PYUN, DIV, COEN, etc.

Table with columns for call sign, name, frequency, power, and status. Includes stations like PCJI, BJIJ, UGM, etc.

Table with columns for call sign, name, frequency, power, and status. Includes stations like POO, KAD, DZM, etc.

Table with columns: Station, Frequency, Power, Direction, Date/Time, and other parameters. Includes stations like HMDM Hanimaadhoo, BBDO Buckleboe, MAK Makhachkala, etc.

Table with columns: Station, Frequency, Power, Direction, Date/Time, and other parameters. Includes stations like MNK comp=Z.220nm, ISAL Salakas, MFID Camas Ranch, etc.

Table with columns: Station, Frequency, Power, Direction, Date/Time, and other parameters. Includes stations like HVU Hansel Valley, MOOV Moose Ponds, GRSN Giresungrns, etc.



Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like EBEN Eben Emael, KBA Koelnbreinsper, MEM Membach, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like HAU Haudompre, MNTX MNTX, MEZF Maizieres J'vi, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like ORIF Oris-en-Rattie, ORIF Oris-Rattie, ORIF Oris-Rattie, etc.



Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

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Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like IMRD Marand, ZNUK Zanjian, IKOM Komasi, etc.

IDC 21 09:54:58.0-0.9, 36.61N-142.44E, h0km, mb3.9/9, mb1 4.0/1.1, mb1mx3.9/2.4, mbtmp3.8/1.1, ML3.5/2, Error ellipse: s-maj=22.9km s-min=19.8km az=80.0

ISCBJ 21 09:54:60.0-1.6, 36.58N-142.46E, h0.0/5, h22km, 1.3km, mb3.9/10, Error ellipse: s-maj=7.2km s-min=5.4km az=20.6

JMA 21 09:54:59.4-0.2, 36.61N-142.42E, h15km, M3.8, NEIC 21 09:55:00.4-4.6, 36.52N-142.44E, h14km, 28km, mb4.6/2, Error ellipse: s-maj=15.0km s-min=9.2km az=135.0

NEIC 21 09:55:00.4-1.7, 36.59N-142.40E, h10km, 11km, n44, c081/52, mb3.9/10, Off east coast of Honshu

Main station list for the 21d 10h period, including stations like ONAJ Iwakimizuishy, JFK Kawauchi, JHO Hitachi, etc.

IDC 21 10:04:18.3-2.5, 3.85S-145.76E, h0km, mb3.9/3, mb1 4.2/5, mb1mx3.8/1.7, mbtmp4.0/5, ML3.5/2, Error ellipse: s-maj=63.8km s-min=27.7km az=90.0, Near north coast of New Guinea

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

IDC 21 10:20:46.5-8.9, 19.27N-145.41E, h262km, 89km, mb3.2/12, mb1 3.4/12, mb1mx3.3/2.3, mbtmp3.8/2.1, Error ellipse: s-maj=26.9km s-min=13.9km az=84.0, Mariana Islands

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

0.3nm, 0.5s, baz=289, slow=5.6, SNR=3.6 FINES FINESS Array B 86.26 335 P 10 32 57.4 -1.1

JMA 21 10:23:37.5-0.3, 36.61N-142.44E, h0km, M4.6, IDC 21 10:23:39.1-0.6, 36.49N-142.38E, h0km, mb4.1/19, mb1 4.3/23, mb1mx4.2/2.8, mbtmp4.2/2.3, ML4.5/3, Error ellipse: s-maj=15.8km s-min=15.2km az=122.0

NEIC 21 10:23:41.5-0.4, 36.70N-142.38E, h10km, mb4.8/16, Error ellipse: s-maj=9.8km s-min=7.0km az=150.0

ISCBJ 21 10:23:43.1-0.3, 36.68N-142.32E, h0.0/4, h33km, mb4.4/43, Error ellipse: s-maj=5.6km s-min=4.2km az=42.5

MOS 21 10:23:44.6-1.0, 36.94N-142.25E, h33km, mb4.6/23, Error ellipse: s-maj=9.4km s-min=7.1km az=120.2

ISC 21 10:23:45.1-0.3, 36.67N-142.30E, h35km, n146, 19.38/154, mb4.4/43, 9C-32 Off east coast of Honshu

Main station list for the 2008 DEC period, including stations like ONAJ Iwakimizuishy, JFK Kawauchi, JHO Hitachi, etc.

Main station list for the 928 period, including stations like KKN Kakani, DMN Daman, GKN Gorkha, etc.





HHC	Hu-ho-hao-te	24.23 289	eP	P	12 24 38.0	-0.6
HHC			pP		12 24 42.0	
HHC			sP	sP	12 24 45.1	+2.0
HHC			PcP		12 25 12.3	
HHC			S	PcP	12 25 21.8	+3.1
HHC			sS	S	12 28 51.9	-6.0
HHC			sS	sS	12 28 58.6	-3.6
HHC			ScP	ScP	12 31 57.8	+0.6
HHC			pmax	pmax		
HHC	comp=Z,9.0nm,1.0s,mb4.2		pmax	pmax		
HHC	comp=Z,190nm,5.2s		LR	LR		
HHC	comp=N,570nm,12.0s,MS4.4		LR	LR		
HHC	comp=E,440nm,12.0s,MS4.4		LR	LR		
HHC	comp=Z,480nm,11.9s,MS4.2		LR	LR		
YAK	Yakutsk	26.60 347	eP	P	12 24 59.8	0.0
YAK	comp=Z,59nm,0.8s,mb5.0		pmax	pmax		
YAK	Yakutsk	26.60 347c	iP	P	12 24 59.5	-0.3
YAK	comp=Z,50nm,0.9s,mb5.0		pmax	pmax		
YAK	comp=N,21nm,1.1s		pmax	pmax		
SEY	Seymchan	27.05 10	iP	P	12 25 05.7	+1.8
XAN	Xi'an	27.23 274	P	P	12 25 05.0	-0.8
XAN			pP	pP	12 25 12.6	+3.6
XAN	comp=Z,6.0nm,1.2s,mb4.0		pmax	pmax		
XAN	comp=Z,48nm,10.0s		pmax	pmax		
ENH	Enshi	27.97 266	eP	P	12 25 11.4	-1.1
ULN	Ulanbaatar	28.12 305	eP	P	12 25 14.5	+0.8
ULN	Ulanbaatar	28.12 305	eP	P	12 25 14.5	+0.8
ULN	comp=Z,19nm,0.9s,mb4.7		pmax	pmax		
BOD	Bodaibo	28.21 328	eP	P	12 25 14.2	-0.2
BOD	comp=Z,14nm,0.9s,mb4.6		pmax	pmax		
SONM	Songino Array	28.55 304	P	P	12 25 18.3	+0.8
SONM	comp=Z,26nm,0.8s,mb5.0,baz=10.1,slo=8.3,SNR=146		LR	LR	12 37 20.1	
SONM	comp=Z,1.62nm,19.7s,MS3.8,baz=61,slo=38		P	P	12 25 18.3	+0.8
SONM	Songino Array	28.55 304	P	P	12 25 18.3	+0.8
SONM	Songino Array	28.55 304	pmax	pmax		
SONM	comp=Z,26nm,0.8s		MLR	MLR		
SONM	comp=Z,162nm,19.7s		MLR	MLR		
LZH	Lanzhou	30.79 281	eP	P	12 25 38.3	+0.8
LZH			pP	pP	12 25 42.8	+2.1
LZH			sP	sP	12 25 45.8	+3.8
LZH	comp=Z,62nm,1.1s,mb5.3		pmax	pmax		
LZH	comp=Z,120nm,5.8s		LR	LR		
LZH	comp=N,520nm,14.0s,MS4.4		LR	LR		
LZH	comp=E,260nm,12.7s,MS4.4		LR	LR		
LZH	comp=Z,600nm,14.4s,MS4.4		LR	LR		
ZAK	Zakamensk	31.03 309	eP	P	12 25 40.2	+0.8
ZAK	comp=Z,9.0nm,1.2s,mb4.5		pmax	pmax		
TLY	Talaya	31.09 311	eP	P	12 25 38.9	-1.0
TLY	comp=Z,10.0nm,0.9s,mb4.7		pmax	pmax		
TLY	comp=Z,198nm,16.0s,MS3.9		MLR	MLR		
GYA	Guiyang	31.82 262j	iP	P	12 25 45.9	-0.7
GYA			PP	PP	12 26 52.4	-6.0
GYA			S	S	12 30 54.1	-2.8
GYA			ScP	ScP	12 32 20.0	-0.9
GYA			SS	SS	12 32 47.8	-2.6
GYA	comp=Z,20nm,0.9s,mb5.0		pmax	pmax		
GYA	comp=Z,120nm,4.4s		LR	LR		
GYA	comp=N,520nm,25.2s,MS4.4		LR	LR		
GYA	comp=E,830nm,21.5s,MS4.4		LR	LR		
GYA	comp=Z,990nm,21.2s,MS4.5		LR	LR		
CD2	Chengdu	32.34 271	eP	P	12 25 52.9	+1.7
CD2			pP	pP	12 25 57.4	+3.0
CD2			sP	sP	12 26 00.5	+4.8
CD2	comp=Z,10.0nm,0.8s,mb4.7		pmax	pmax		
CD2	comp=Z,30nm,5.2s		pmax	pmax		
GTA	Gaotai	33.32 288	eP	P	12 25 59.5	-0.1
GTA			pP	pP	12 26 03.5	+0.7
GTA			S	S	12 26 07.0	+2.9
GTA			sP	sP	12 31 17.8	-2.2
GTA			sS	sS	12 31 24.3	-1.0
GTA			SS	SS	12 33 18.5	-2.5
GTA	comp=Z,15nm,0.8s,mb5.0		pmax	pmax		
GTA	comp=Z,280nm,5.9s		pmax	pmax		
GTA	comp=N,270nm,17.1s,MS4.2		LR	LR		
GTA	comp=E,300nm,17.1s,MS4.2		LR	LR		
GTA	comp=Z,250nm,15.9s,MS4.0		LR	LR		
QIZ	Qiongzong	33.38 247	P	P	12 26 02.4	+2.0
QIZ			S	S	12 31 21.8	+0.4
QIZ	comp=Z,96nm,5.8s		pmax	pmax		
QIZ	comp=N,440nm,17.5s,MS4.2		LR	LR		
QIZ	comp=E,180nm,18.3s,MS4.2		LR	LR		
BILL	Bilbino	34.22 16j	eP	P	12 26 07.1	0.0
BILL	comp=Z,13nm,1.7s,mb4.6		pmax	pmax		
BILL	comp=Z,200nm,20.0s,MS3.9		MLR	MLR		
KMI	Kunming	35.57 262	P	P	12 26 19.0	-0.2
KMI			pP	pP	12 26 22.5	0.0
KMI			S	S	12 31 51.6	-3.4
KMI	comp=Z,15nm,0.7s,mb5.0		pmax	pmax		
KMI	comp=Z,130nm,6.2s		LR	LR		
KMI	comp=N,220nm,14.5s,MS4.3		LR	LR		
KMI	comp=E,340nm,13.9s,MS4.3		LR	LR		
KMI	comp=Z,290nm,13.3s,MS4.2		LR	LR		
WMQ	Urumqi	41.61 297	P	P	12 27 11.6	+1.8
WMQ			pP	pP	12 27 16.1	+3.0
WMQ			sP	sP	12 27 18.6	+4.2
WMQ			PP	PP	12 28 50.8	+5.0
WMQ			S	S	12 33 25.8	-0.1
WMQ			ScS	ScS	12 37 13.0	-0.2
WMQ	comp=Z,21nm,0.8s,mb4.8		pmax	pmax		
WMQ	comp=Z,280nm,7.2s		pmax	pmax		
WMQ	comp=N,400nm,20.6s,MS4.3		LR	LR		
WMQ	comp=E,150nm,21.6s,MS4.3		LR	LR		
WMQ	comp=Z,180nm,20.0s,MS3.9		LR	LR		
CHTO	Chiang Mai Arr	41.85 257	eP	P	12 27 12.4	+0.4
CHTO	comp=Z,7.8nm,1.0s,mb4.3		pmax	pmax		
CHTO	Chiang Mai	41.85 257	eP	P	12 27 12.4	+0.4
CHTO	comp=Z,8.0nm,1.0s,mb4.3		pmax	pmax		
CMAR	Chiang Mai Arr	42.05 256	P	P	12 27 13.8	+0.2
CMAR	comp=Z,3.7nm,0.7s,mb4.1,baz=45,slo=7.0,SNR=21		LR	LR	12 45 44.4	
CMAR	comp=Z,123nm,19.9s,MS3.8,baz=75,slo=38		LR	LR		
CMAR	Chiang Mai Arr	42.05 256	P	P	12 27 13.8	+0.2
CMAR	Chiang Mai Arr	42.05 256	P	P	12 27 13.8	+0.2
CMAR	comp=Z,4.0nm,0.7s		pmax	pmax		

CMAR	comp=Z,123nm,19.9s		MLR	MLR		
ZALV	Zalesovo Beam	42.67 313	P	P	12 27 18.9	+0.7
ZALV	comp=Z,5.6nm,0.7s,mb4.4,baz=89,slo=6.5,SNR=35		PcP	PcP	12 29 09.8	-0.2
ZALV	comp=Z,1.8nm,0.8s,baz=94,slo=4.3,SNR=3.3		P	P		
ZALV	Zalesovo Beam	42.67 313	P	P	12 27 18.9	+0.7
ZALV			PcP	PcP	12 29 09.8	-0.2
ZALV	Zalesovo Beam	42.67 313	P	P	12 27 19.0	+0.7
ZALV			P	P	12 29 09.8	
ZALV			pmax	pmax		
LSA	Lhasa	42.91 276	eP	P	12 27 22.6	+2.0
LSA	comp=Z,6.0nm,0.7s,mb4.4		P	P		
LSA	Lhasa	42.91 276	eP	P	12 27 22.6	+2.0
LSA	comp=Z,7.0nm,0.8s,mb4.4		P	P		
NVS	Novosibirsk	43.59 314	iP	P	12 27 25.8	+0.1
NVS			iP	S	12 33 54.8	+0.1
NVS			PS	PS	12 34 11.6	
NVS	comp=Z,20nm,1.6s,mb4.6		pmax	pmax		
NVS	comp=N,8.0nm,1.1s		pmax	pmax		
NVS	comp=E,12nm,1.3s		pmax	pmax		
NVS	comp=N,18nm,2.8s		smax	smax		
NVS	comp=E,22nm,3.0s		smax	smax		
MK31	Makanchi Array	44.89 303	eP	P	12 27 35.9	-0.3
MK31	Makanchi Array	44.89 303	iP	P	12 27 36.2	0.0
MK31	comp=Z,12nm,0.9s,mb4.7		pmax	pmax		
MKAR	Makanchi Array	44.89 303	P	P	12 27 36.4	+0.1
MKAR	comp=Z,7.3nm,0.8s,mb4.6,baz=88,slo=9.0,SNR=55		LR	LR	12 46 02.2	
MKAR	comp=Z,127nm,18.7s,MS3.9,baz=354,slo=36		LR	LR		
MKAR	Makanchi Array	44.89 303	P	P	12 27 36.4	+0.1
MKAR	Makanchi Array	44.89 303	P	P	12 27 36.4	+0.2
MKAR	comp=Z,7.0nm,0.8s		MLR	MLR		
MKAR	comp=Z,127nm,18.7s		MLR	MLR		
KAPI	Kappang	46.47 212	P	P	12 27 47.9	-1.1
KAPI	comp=Z,7.0nm,0.9s,mb4.7,baz=346,slo=8.1,SNR=3.9		P	P		
KAPI	Kappang	46.47 212	P	P	12 27 47.9	-1.1
TAPN	Taplejung	46.63 275	eP	P	12 27 50.2	-0.1
TAPN	comp=Z,8.0nm,0.5s,mb4.9		P	P		
TAPN	Taplejung	46.63 275	eP	P	12 27 50.2	-0.1
TAPN	comp=Z,8.0nm,0.5s,mb4.9		P	P		
KURK	Kurchatov	46.70 308	eP	P	12 27 50.0	-0.4
KURK	comp=Z,38nm,1.2s,mb5.2		pmax	pmax		
KURK	Kurchatov	46.70 308c	iP	P	12 27 50.2	-0.2
KURK	comp=Z,38nm,1.2s,mb5.2		pmax	pmax		
KURK	comp=Z,171nm,16.0s,MS4.1		MLR	MLR		
KDAK	Kodiak Island	46.95 42	P	P	12 27 52.4	+0.1
KDAK	comp=Z,1.4nm,0.8s,mb4.9,baz=340,slo=3.3,SNR=2.5		P	P		
KDAK	Kodiak Island	46.95 42	P	P	12 27 52.4	+0.1
KDAK	Kodiak Island	46.95 42	P	P	12 27 52.4	+0.1
KDAK	comp=Z,14nm,0.9s,mb4.9		pmax	pmax		
ODAN	Odare	47.10 274	eP	P	12 27 54.4	+0.4
ODAN	comp=Z,16nm,0.9s,mb5.0		P	P		
ODAN	Odare	47.10 274	eP	P	12 27 54.4	+0.4
ODAN	comp=Z,16nm,0.9s,mb5.0		P	P		
RAMN	Ramite	47.07 275	eP	P	12 27 59.0	+0.4
RAMN	comp=Z,32nm,0.8s,mb5.4		P	P		
RAMN	Ramite	47.07 275	eP	P	12 27 59.0	+0.4
RAMN	comp=Z,32nm,0.8s,mb5.4		P	P		
JIRN	Jiri	47.72 276	eP	P	12 27 59.6	+0.9
JIRN	comp=Z,29nm,0.8s,mb5.4		P	P		
JIRN	Jiri	47.72 276	eP	P	12 27 59.6	+0.9
JIRN	comp=Z,29nm,0.8s,mb5.4		P	P		
GUN	Gumba	47.86 276	eP	P	12 28 00.7	+0.9
GUN	comp=Z,28nm,0.9s,mb5.3		P	P		
GUN	Gumba	47.86 276	eP	P	12 28 00.7	+0.9
GUN	comp=Z,28nm,0.9s,mb5.3		P	P		
PKI	Pulchoki	48.38 276	eP	P	12 28 04.8	+0.9
PKI	Pulchoki	48.38 276	eP	P	12 28 04.8	+0.9
PKI	Pulchoki	48.38 276	eP	P	12 28 04.8	+0.9
PKI	Pulchoki	48.38 276	eP	P	12 28 04.8	+0.9
KKN	Kakani	48.39 277	eP	P	12 28 04.3	+0.4
KKN	comp=Z,19nm,0.8s,mb5.2		P	P		
KKN	Kakani	48.39 277	eP	P	12 28 04.3	+0.4
KKN	comp=Z,19nm,0.8s,mb5.2		pmax	pmax		
DMN	Daman	48.61 276	eP	P	12 28 06.7	+1.1
DMN	comp=Z,4.9nm,0.4s,mb4.9		P	P		
HNR	Honiara	48.76 156	P	P	12 28 04.8	-1.9
HNR	comp=Z,56nm,0.9s,mb5.4,baz=348,slo=9.3,SNR=2.2		P	P		
HNR	Honiara	48.76 156	P	P	12 28 04.8	-1.9
HNR	comp=Z,56nm,0.9s,mb5.4		P	P		
HNR	Honiara	48.76 156	P	P	12 28 04.8	-2.0
HNR	comp=Z,56nm,0.9s,mb5.6		pmax	pmax		
GKN	Gorkha	48.81 277	eP	P	12 28 07.5	+0.3
GKN	comp=Z,44nm,0.9s,mb5.2		P	P		
GKN	Gorkha	48.81 277	eP	P	12 28 07.5	+0.3
GKN	comp=Z,44nm,0.9s,mb5.5		P	P		
COLA	College	49.05 32	eP	P	12 28 09.2	+0.7
COLA	comp=Z,6.0nm,1.0s,mb4.6		P	P		
COLA	College	49.05 32	eP	P	12 28 09.3	+0.8
COLA	comp=Z,6.0nm					







Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC. Includes stations like Dobruska-Polom, Ostrava-Krasne, Vyhne, Eagle, Kecovo, Eielson Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC. Includes stations like SEW, ILIM, PMR, INE, HVE, HMO, GHO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC. Includes stations like s-min=17.1km az=133.0, ISCJB 21 13:03:42.5, NEIC 21 13:13:44.2, etc.





YULB	comp=Z,47nm,0.6s,mb5.5	31.32	51	eP	P	13 54 09.5 +1.9
WHN	comp=Z,39nm,0.6s,mb5.4	31.37	33	P	P	13 54 09.5 +1.5
WHN	Wuhan			pP	S	13 54 21.8 -0.4
WHN				S	pmax	13 59 16.1 +4.6
WHN	comp=Z,74nm,1.1s,mb5.4			LR	LR	
WHN	comp=N,5um,16.0s,MS5.4			LR	LR	
WHN	comp=E,4um,13.4s,MS5.4			LR	LR	
WHN	comp=Z,7um,14.7s,MS5.5			LR	LR	
SDNR	Sundarnagar	31.50	329	ePKP	P	13 54 10.0 +0.9
XAN	Xi'an	31.78	22	eP	P	13 54 11.0 -0.6
XAN				pP	pP	13 54 26.4 +0.7
XAN				pP	pP	13 55 16.1 -8.2
XAN				pP	pP	13 57 01.8 0.0
XAN				pP	pP	13 59 15.0 -2.8
XAN				S	S	14 04 35.6 -3.2
XAN	comp=Z,140nm,0.6s,mb6.0			pmax	pmax	
XAN	comp=Z,78nm,6.8s			LR	LR	
XAN	comp=N,2um,15.6s,MS4.9			LR	LR	
XAN	comp=E,820nm,15.8s,MS4.9			LR	LR	
XAN	comp=Z,1um,15.4s,MS4.7			LR	LR	
NACB	Ninganchiao	31.96	50	eP	P	13 54 15.6 +2.3
XAN	comp=Z,40nm,0.8s,mb5.3			LR	LR	
YHNB	Yeheng	32.77	49	eP	P	13 54 16.2 +2.1
YHNB	comp=Z,88nm,1.2s,mb5.5			LR	LR	
LZH	comp=Z,2um,22.0s,MS4.8	32.13	13	eP	P	13 54 13.9 -0.7
LZH	Lanzhou			pP	pP	13 54 30.5 +1.7
LZH				pP	pP	13 54 35.4 0.0
LZH				pP	pP	13 57 04.0 +1.3
LZH				eS	S	13 59 18.4 -4.8
LZH	comp=Z,77nm,1.0s,mb5.5			pmax	pmax	
LZH	comp=N,1um,13.3s			LR	LR	
LZH	comp=E,380nm,6.1s			LR	LR	
LZH	comp=Z,2um,16.1s,MS5.0			LR	LR	
TNTI	Terate	32.51	96	P	P	13 54 19.7 +1.5
LBMI	Labuha	32.85	99	P	P	13 54 21.8 +0.6
THN	Thein Dam	32.88	329	ePKP	P	13 54 20.0 -1.2
THN				x	P	13 54 34.3
NLAI	Namles	32.99	103	P	P	13 54 23.9 +1.4
AAI	Ambon	34.16	104	P	P	13 54 32.2 -0.4
GAITA	Gaotai	34.69	6	P	P	13 54 36.3 -0.5
GAITA				pP	pP	13 54 51.0 -0.1
GAITA				sP	sP	13 54 58.6 +0.9
GAITA				pP	pP	13 57 11.1 +1.3
GAITA				S	S	14 00 01.0 -1.7
GAITA				sS	sS	14 00 25.8 -1.1
GAITA				SS	SS	14 02 15.9 -1.9
GAITA				ScS	ScS	14 04 52.5 -1.2
GAITA	comp=Z,53nm,0.6s,mb5.7			pmax	pmax	
GAITA	comp=Z,400nm,4.7s			LR	LR	
GAITA	comp=N,920nm,19.5s,MS4.6			LR	LR	
GAITA	comp=E,650nm,18.0s,MS4.6			LR	LR	
GAITA	comp=Z,1um,19.5s,MS4.6			LR	LR	
MSAI	Masohi	34.79	103	P	P	13 54 37.7 -0.4
NJ2	Nanjing	35.06	37	eP	P	13 54 41.0 +0.8
NJ2				pP	pP	13 54 55.3 +0.9
NJ2				sP	sP	13 55 03.8 +2.7
NJ2				PP	PP	13 55 58.5 -2.1
NJ2				S	S	14 00 08.5 -0.2
NJ2	comp=Z,50nm,0.7s,mb5.5			pmax	pmax	
NJ2	comp=Z,620nm,4.9s			LR	LR	
NJ2	comp=N,180nm,21.0s,MS4.1			LR	LR	
NJ2	comp=E,280nm,19.0s,MS4.1			LR	LR	
NJ2	comp=Z,650nm,14.3s,MS4.5			LR	LR	
MWBA	Marble Bar	35.39	138	eP	P	13 54 41.6 -1.5
MWBA				eP	P	13 54 56.1 -1.3
MWBA	Marble Bar	35.39	138	eP	P	13 54 41.4 -1.7
MWBA	comp=Z,24nm,0.7s,mb5.2			LR	LR	
SSE	Sheshan	35.85	40	eP	P	13 54 46.6 -0.3
SSE				pP	pP	13 55 11.8 +3.9
SSE				PP	PP	13 56 09.5 +0.2
SSE				S	S	14 00 20.9 +0.1
SSE				sS	sS	14 00 49.1 +4.0
SSE	comp=Z,26nm,0.7s,mb5.3			pmax	pmax	
SSE	comp=Z,190nm,4.7s			LR	LR	
SSE	comp=N,520nm,16.3s,MS4.8			LR	LR	
SSE	comp=E,1um,16.3s,MS4.8			LR	LR	
SSE	comp=Z,2um,19.8s,MS4.8			LR	LR	
FITZ	Fitzroy Crossi	37.80	128	eP	P	13 55 02.2 -1.4
FITZ				eP	P	13 55 19.3 +1.3
FITZ				eP	P	13 55 02.1 -1.5
FAKI	Fak Fak	37.94	101	P	P	13 55 04.1 -0.8
BTO	Batout	38.07	19	eP	P	13 55 04.6 -1.0
KBL	Kabul	38.14	324	eP	P	13 55 05.3 -1.0
KBL	Kabul	38.14	324	eP	P	13 55 05.3 -1.0
JOW	Kunigami	38.50	52	P	P	13 55 10.4 +0.9
JOW	comp=Z,86nm,0.6s,mb5.6,baz=240,slow=8.5,SNR=37			pP	pP	13 57 22.5 +0.9
JOW				LR	LR	14 01 18.2
JOW	comp=Z,1um,21.4s,MS4.8,baz=297,slow=36			P	P	13 55 10.3 +0.8
JOW	Kunigami	38.50	52	eP	P	13 55 10.3 +0.8
JOW	comp=Z,32nm,0.6s,mb5.2			pP	pP	13 57 22.5 +0.9
JOW				P	P	13 55 08.8 -1.3
KSH				pP	pP	13 55 20.6 -4.0
KSH				sP	sP	13 55 26.5 -4.7
KSH				PP	PP	13 56 40.6 +1.2
KSH				pP	pP	13 57 23.7 +0.7
KSH				S	S	14 00 58.4 -4.0
KSH				P	P	14 01 10.8 -0.1
KSH	comp=Z,150nm,0.6s,mb5.9			LR	LR	
KSH	comp=N,190nm,6.5s			LR	LR	
KSH	comp=E,220nm,5.7s			LR	LR	
HHC	Hu-ho-hao-te	38.80	20	eP	P	13 55 12.8 +1.1
HHC				pmax	pmax	
HHC	comp=Z,76nm,1.1s,mb5.3			pmax	pmax	
TLE	Tual	39.03	105	P	P	13 55 13.3 -0.8
WMQ	Urumqi	39.37	352	P	P	13 55 16.5 +0.1
WMQ				PP	PP	13 56 51.3 +3.6
WMQ				S	S	14 01 17.4 +3.6
WMQ	comp=Z,78nm,0.6s,mb5.6			pmax	pmax	
WMQ	comp=Z,460nm,4.6s			pmax	pmax	

WMQ	comp=N,620nm,28.6s,MS4.7			LR	LR	
WMQ	comp=E,2um,29.2s,MS4.7			LR	LR	
WMQ	comp=Z,680nm,28.6s,MS4.3			LR	LR	
BJT	Baijiatou	39.86	26	eP	P	13 55 21.7 +1.1
BJT	comp=Z,332nm,0.6s,mb6.2			LR	LR	
BJT	comp=Z,1um,22.0s,MS4.7			LR	LR	
BJT	Baijiatou	39.86	26	eP	P	13 55 21.7 +1.1
BJT	comp=Z,332nm,0.6s			pmax	pmax	
BJT	comp=Z,1um,22.0s			MLR	MLR	
BJI	Beijing	39.88	26	P	P	13 55 22.0 +1.2
BJI				S	S	14 01 16.8 -4.9
BJI	comp=Z,430nm,0.7s,mb6.3			pmax	pmax	
BJI	comp=Z,660nm,4.4s			LR	LR	
BJI	comp=N,2um,19.9s,MS4.9			LR	LR	
BJI	comp=E,460nm,19.9s,MS4.9			LR	LR	
BJI	comp=Z,2um,15.2s			LR	LR	
MSEY	Mahe Island	40.65	257	PFAKE	LR	13 55 40.0 +1.2
MSEY				LR	LR	
ULHL	Ulahol	40.85	339	P	P	13 55 29.9 +1.1
ULHL	SNR=46			P	P	13 55 29.9
KZA	Kyzart	41.08	337	P	P	13 55 32.1 +1.5
KZA	SNR=54			P	P	13 55 32.1
BAKI	Biak	41.44	97	P	P	13 55 33.2 -0.8
UCH	Uchter	41.49	337	P	P	13 55 35.7 +1.7
UCH	SNR=22			P	P	13 55 35.7
TKM2	Tokmak 2	41.67	338	P	P	13 55 36.5 +1.0
TKM2	SNR=106			P	P	13 55 36.5
TKM2	SNR=106			P	P	13 55 36.4 +1.0
TKM2	Tokmak 2	41.67	338	eP	P	13 55 36.4 +1.0
TKM2	comp=Z,101nm,0.6s,mb5.6			LR	LR	
TKM2	comp=Z,606nm,21.0s,MS4.5			LR	LR	
TKM2	Tokmak 2	41.67	338	P	P	13 55 36.4 +0.9
TKM2	comp=Z,83nm,0.6s,mb5.5			pmax	pmax	
KBK	Karagaybulak	41.69	338	P	P	13 55 36.9 +1.3
KBK	SNR=361			P	P	13 55 36.9
AML	Almayashu	41.73	336	P	P	13 55 37.6 +1.6
AML	SNR=507			P	P	13 55 37.6
AAK	Ala-Archa	41.84	337	P	P	13 55 38.3 +1.4
AAK	SNR=96			P	P	13 55 38.3
AAK	Ala-Archa	41.84	337	eP	P	13 55 38.0 +1.2
AAK	comp=Z,339nm,0.6s,mb6.2			LR	LR	
AAK	comp=Z,1um,19.0s,MS4.7			LR	LR	
AAK	Ala-Archa	41.84	337	eP	P	13 55 38.1 +1.2
AAK	comp=Z,829nm,2.5s,mb5.9			MLR	MLR	
AAK	comp=Z,2um,16.0s,MS5.1			P	P	13 55 38.0 +1.1
AAK	Ala-Archa	41.84	337	P	P	13 55 38.5 +1.6
AAK	comp=Z,553nm,0.7s,mb5.5,SNR=86			P	P	13 55 38.5 +1.6
FRU	Bishkek	41.97	337	i	P	13 55 39.0 +1.1
FRU				P	P	13 55 52.0 -0.5
FRU				e	e	14 01 56.0
FRU	comp=Z,480nm,2.0s,mb5.8			pmax	pmax	
CHMS	Chumysh	42.05	338	P	P	13 55 39.5 +0.9
CHMS	SNR=33			P	P	13 55 39.5
EKS2	Erkin-Say	42.15	336	P	P	13 55 40.9 +1.5
EKS2	SNR=44			P	P	13 55 40.9
EKS2	Erkin-Say	42.15	336	eP	P	13 55 40.5 +1.2
EKS2	comp=Z,91nm,0.5s,mb5.7			LR	LR	
EKS2	comp=Z,673nm,21.0s,MS4.5			LR	LR	
EKS2	Erkin-Say	42.15	336	eP	P	13 55 40.5 +1.1
EKS2	comp=Z,91nm,0.5s,mb5.7			MLR	MLR	
EKS2	comp=Z,673nm,21.0s,MS4.5			MLR	MLR	
KLBR	Kellerberrin	42.19	151	eP	P	13 55 39.6 -0.3
KLBR	comp=Z,8.8nm,0.7s,mb4.5			eP	pP	13 55 54.3 -0.1
KLBR				P	P	13 55 42.0 +0.7
USP	Ospenovka	42.38	338	P	P	13 55 42.0
USP	SNR=253			P	P	13 55 42.0
NWAO	Narogin (SRO)	43.04	152	eP	P	13 55 46.5 -0.3
NWAO	comp=Z,32nm,0.9s,mb5.0			LR	LR	
NWAO	comp=Z,731nm,19.0s,MS4.6			LR	LR	
NWAO	Narogin (SRO)	43.04	152	eP	P	13 55 46.5 -0.3
NWAO	comp=Z,32nm,0.9s			MLR	MLR	
NWAO	comp=Z,731nm,19.0s			MLR	MLR	
MK31	Makanchi Array	43.23	347	eP	P	13 55 47.9 -0.3
MK31	Makanchi Array	43.23	347	i	P	13 55 47.9 -0.2
MK31				pmax	pmax	
MK31	comp=Z,73nm,0.4s,mb5.8			P	P	13 55 47.9 -0.2
MK31	comp=Z,97nm,0.4s,mb5.9,baz=165,slow=8.0,SNR=850			P	P	13 57 37.6 +1.1
MK31	Makanchi Array	43.23	347	eP	P	13 57 37.6 +1.1
MK31	comp=Z,7.1nm,0.6s,baz=184,slow=3.4,SNR=3.7			PKIKP	PKIKP	14 04 38.4 -1.1
MK31	comp=Z,0.3nm,0.5s,baz=206,slow=2.3,SNR=3.7			LR	LR	14 17 09.5
MK31	comp=Z,348nm,19.6s,MS4.3,baz=160,slow=4.1			P	P	13 55 47.9 -0.2
MK31	Makanchi Array	43.23	347	P	P	13 57 37.6 +1.1
MK31				pP	pP	13 57 37.6 +1.1
MK31				PKIKP	PKIKP	14 04 38.4 -1.1
MK31				PKIKP	PKIKP	14 17 09.5
MK31	Makanchi Array	43.23	347	P	P	13 55 47.9 -0.2
MK31				pmax	pmax	13 57 37.6
MK31	comp=Z,97nm,0.4s			MLR	MLR	
MK31	comp=Z,348nm,19.6s			MLR	MLR	
INCN	Inchon	43.44	37	eP	P	13 55 48.5 -1.4
INCN	comp=Z,51nm,0.6s,mb5.4			P	P	13 55 48.5 -1.4
INCN	comp=Z,2um,20.0s,					





Table with columns for station call letters, frequency, power, and other technical details. Includes stations like OBN, POGA, MSNA, KARP, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like LJV, DEV, GZR, ISAL, DRGR, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like VRAC, GKP, KTK, DPC, etc.



Table with columns: SML, Sawmill, 97.95, 25, eP, P, 14 01 22.0 -0.1. Includes entries like Dimbokro, Eagle, Mentasta, Inuvik, etc.

Table with columns: GLMI, Riachuelo, 131.18, 267, PFAKE, LR, 14 07 10.0 +11. Includes entries like Paradox Valley, Pinyon Flat, etc.

Table with columns: MTDJ, Mount Denham, 155.95, 343, ePKPab, LR, 14 08 08.9 +0.6. Includes entries like Limon Verde, Samuel, La Paz, etc.

21d 14h

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

NEIC 21 14:15:45.9, 17.98N, 101.70W, h1km, MD3.9(MEX), After MEX.

MEX 21 14:15:46.4-0.8, 18.01N-101.69W, h16km\_gkm, MD3.9, Guerrero

Main table for NEIC 21 stations with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZIIG, MMIG, CAIG, etc.

NNC 21 14:16:48.1-3.3, 39.53N-73.97E, h0km, mb4.1, mpv4.2, Error ellipse: s-maj=28.3km s-min=14.0km az=163.0

IDC 21 14:16:49.3-0.8, 39.44N-73.85E, h0km, mb3.8/12, mb1.3/9.17, mb1mx3.8/30, mbtmp3.7/17, ML3.3/5, Error ellipse: s-maj=17.6km s-min=14.0km az=43.0

ISCJB 21 14:16:49.6-2.3, 39.48N-0.05-73.85E-0.08, h12km, 14km, mb3.7/13, Error ellipse: s-maj=10.7km s-min=8.7km az=158.8

MOS 21 14:16:53.4-2.6, 39.66N-73.88E, h33km, mb4.3/5, Error ellipse: s-maj=18.4km s-min=9.4km az=84.9

BUI 21 14:16:55.1, 40.07N-74.51E, h10km, ML3.5/6

NEIC 21 14:16:55.4-1.4, 39.63N-74.00E, h57km, 14km, mb4.3/1, Error ellipse: s-maj=14.0km s-min=11.7km az=124.0

ISC 21 14:16:49.5-2.3, 39.51N-0.05-73.75E-0.07, h14m, 15km, n75, c126/81, mb3.8/13, 6C-3D, Tajikistan-Xinjiang border region

Main table for ISC 21 stations with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSH, AML, UCH, etc.

2008 DEC

Main table for 2008 DEC stations with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KURK, VOSK, BVAO, etc.

942

Main table for 942 stations with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JAT, CCIG, TGIG, etc.

ISCJB 21 14:26:48.0-0.6, 11.25S-0.06-162.39E-0.07, h33km, mb3.9/11, MS4.4/15, Error ellipse: s-maj=10.6km s-min=8.1km az=148.4

IDC 21 14:26:49.5-5.5, 11.21S-162.34E, h25km, 34km, mb3.8/9, mb1.4/0.13, mb1mx4.0/20, mbtmp3.9/13, ML3.9/4, MS4.3/17, Ms1.4/3.17, ms1mx4.2/24, Error ellipse: s-maj=24.3km s-min=18.8km az=95.0

GCMT 21 14:26:50.6-0.2, 11.31S-162.24E, h16km, 1km, MW5.2, Moment Tensor Solution, s38,c54; s76,c123; Moment tensor: Scale 10^16Nm; Mr3.85t-22; Mw-4.39t-16; Mw0.54t-14; Mw4.81t-53; Mw3.11t-11; Mw-2.86t-48; Best double couple: Mo7.400000\*10^16 Np1st=287.000000, s21.000000, l77.000000; Np2st=121.000000, s20.000000, l95.000000; Principal axes: T 6.43000 P1655.00000, Azm39.00000; N 2.00000 P1655.00000, Azm297.00000; P -8.43000 P1624.00000, Azm207.00000; Data Used: IU 5.0

NEIC 21 14:26:51.5-1.3, 11.21S-162.33E, h38km, 12km, mb4.5/5, Error ellipse: s-maj=12.8km s-min=10.1km az=188.0

ISC 21 14:26:50.7-0.6, 11.24S-0.06-162.40E-0.07, h35km, m58, c091/44, mb3.9/11, MS4.4/15, Bougainville - Solomon Islands region

Main table for ISC 21 stations with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNR, DZM, CTG, etc.









Table with columns: Call Sign, Location, Frequency, Power, Mode, and other details. Includes stations like BFZ Birch Farm, NNZ Nelson, THZ Tophouse, etc.

Table with columns: Call Sign, Location, Frequency, Power, Mode, and other details. Includes stations like MDJ Wuhan, MDJ Mudanjiang, NVAR Mina Array, etc.

Table with columns: Call Sign, Location, Frequency, Power, Mode, and other details. Includes stations like CRVS Cervenia-Dubn, KSP Ksiaz, BMR Biaza Mare, etc.

TRN 21 16:06:04.0, 18.77N-65.39W, h61km, MD3.1(RSPR)  
 RSPR 21 16:06:05.1, 18.81N-65.38W, h67km, 5km, 4C-2D, Puerto Rico region

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
CBVP	Canovanas	0.70	2201	Op	ISC	16 06 19.1	-0.6
CBVP	Canovanas	0.70	2201	eP	Pn	16 06 19.1	-0.6
CBVP	Canovanas	0.70	2201	eS	Sn	16 06 30.2	-0.3
MTP	Monte Pirata	0.73	1931	eP	Pn	16 06 19.3	-0.8
MTP	Monte Pirata	0.73	1931	eS	Sn	16 06 19.3	-0.8
HUMP	Col San Antoni	0.80	2141	eP	Pn	16 06 20.3	-0.6
HUMP	Col San Antoni	0.80	2141	eS	Sn	16 06 30.2	-0.4

GUC 21 16:27:57.0-0.5, 32.03S-71.61W, h28km, 2km, MD3.6, ML3.2, 2C-6D, Near coast of central Chile

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
CHNG	Los Chungos	0.17	331	Op	ISC	16 28 02.6	-0.1
CHNG	Los Chungos	0.17	331	iS	Sb	16 28 06.9	+0.3
PTCH	Petorca	0.62	112	iP	Pb	16 28 08.9	-0.5
PTCH	Petorca	0.62	112	iS	Sb	16 28 18.1	+0.2
PTCH	Petorca	0.62	112	AML	AML	16 28 18.3	
IHA	Instituto Hidir	0.99	181	iS	Pn	16 28 28.3	+0.2
ROCH	Ei Roble	1.07	152	iP	Pn	16 28 15.9	-0.2
ROCH	Ei Roble	1.07	152	iS	Sn	16 28 31.3	+1.3
ROCH	Ei Roble	1.07	152	AML	AML	16 28 34.4	
JACH	Jahuel	1.08	127	iP	Pn	16 28 16.2	0.0
JACH	Jahuel	1.08	127	iS	Sn	16 28 30.7	+0.4
PEL	Peidehue	1.36	145	iP	Pn	16 28 20.5	+0.5
PEL	Peidehue	1.36	145	iS	Sn	16 28 38.7	+1.6
PEL	Peidehue	1.36	145	AML	AML	16 28 41.2	
RCDM	Rinconada Maip	1.61	155	eP	Pn	16 28 24.4	+1.0
RCDM	Rinconada Maip	1.61	155	iS	Sn	16 28 45.5	+2.2
RCDM	Rinconada Maip	1.61	155	AML	AML	16 28 54.3	
CLCH	Cerro Calan	1.64	147	iP	Pn	16 28 24.9	+1.0
CLCH	Cerro Calan	1.64	147	iS	Sn	16 28 46.2	+2.3
CLCH	Cerro Calan	1.64	147	AML	AML	16 28 49.3	
FCH	Farellones	1.71	140	iP	Pn	16 28 26.8	+1.9
FCH	Farellones	1.71	140	iS	Sn	16 28 49.2	+3.4
FCH	Farellones	1.71	140	AML	AML	16 28 49.8	
TACH	Talagante	1.72	161	eP	Pn	16 28 26.1	+1.2
TACH	Talagante	1.72	161	iS	Sn	16 28 48.4	+2.4
TACH	Talagante	1.72	161	AML	AML	16 28 53.0	
ANTU	Antumapu	1.74	152	eP	Pn	16 28 30.9	+1.2
CHCH	Chadas Angostu	2.06	157	iS	Sn	16 28 57.2	+2.7
LMEL	Las Melosas	2.17	147	iP	Pn	16 28 33.0	+1.9
LMEL	Las Melosas	2.17	147	iS	Sn	16 29 01.2	+4.2
LMEL	Las Melosas	2.17	147	AML	AML	16 29 07.0	
CACH	Ei Canelo	2.25	158	iP	Pn	16 28 34.5	+2.2

SGS 21 16:28:23.6, 28.92N-53.19E, h7km  
 IDC 21 16:28:32.3, 0.2, 28.08N-52.41E, h0km, mb4.1/26, mb1.4/30, mb1mx4.1/36, mbmp4.1/30, ML3.9/4, MS3.6/24, Ms1.3.6/24, ms1mx3.5/49, Error ellipse: s-maj=17.2km s-min=12.9km az=171.0  
 ISCJB 21 16:28:32.9, 0.2, 28.18N-0.02-52.39E-0.2, h10km, mb4.3/73, MS3.7/25, Error ellipse: s-maj=3.2km s-min=2.5km az=20.3  
 THR 21 16:28:32.4, 0.6, 28.14N-52.31E, h14km, 13km, ML4.2  
 CSEM 21 16:28:34.5, 0.1, 28.21N-52.39E, h10km, mb4.4/56, Ms3.5, Error ellipse: s-maj=4.6km s-min=3.6km az=27.0  
 BUJ 21 16:28:34.1, 28.00N-52.08E, h32km, mB4.9/13, mb4.5/17, Ms4.6/7, Ms7.4/26  
 MOS 21 16:28:35.8, 1.4, 28.14N-52.39E, h33km, mb4.5/35, Error ellipse: s-maj=7.3km s-min=4.8km az=116.0  
 OMAN 21 16:28:37.9, 99.0, 28.26N-52.49E, h35km, Error ellipse: s-maj=394.0km s-min=30.5km az=314.0  
 NEIC 21 16:28:37.7, 2.0, 28.24N-52.38E, h33km, 14km, mb4.5/24, ML4.2(THR), Error ellipse: s-maj=6.7km s-min=4.8km az=180.0  
 TEH 21 16:28:38.6, 28.26N-52.30E, h34km  
 ISC 21 16:28:34.7, 0.2, 28.18N-0.02-52.38E-0.2, h10km, (h23km, 3.8km; p-P), n456, c1920/463, mb4.3/73, MS3.7/25, 15C-17D, Southern Iran

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
ISRV	Sarvestan	1.36	28	Op	ISC	16 28 59.9	+0.1
ISRV	Sarvestan	1.36	28	eP	Pn	16 29 21.4	+2.8
ISRV	Sarvestan	1.36	28	eSg	Sg	16 29 25.0	
ISRV	Sarvestan	1.36	28	ePn	Pn	16 28 59.9	+0.1
SHI	Shiraz	1.46	5	ePn	Pn	16 29 01.8	+0.6
SHI	Shiraz	1.46	5	ePn	Pn	16 29 34.1	
SHI	Shiraz	1.46	5	ePn	Pn	16 29 01.8	+0.6
IPAR	Pars	1.76	19	eSg	Sg	16 29 32.8	+1.5
IPAR	Pars	1.76	19	ePn	Pn	16 29 06.1	+0.9
IPAR	Pars	1.76	19	ePn	Pn	16 29 44.7	
BNDS	Bandar-Abbas	3.45	102	eP	Pn	16 29 28.0	-0.5
BNDS	Bandar-Abbas	3.45	102	eS	Sn	16 30 08.0	-1.5
BNDS	Bandar-Abbas	3.45	102	ePn	Pn	16 29 28.5	0.0
BNDS	Bandar-Abbas	3.45	102	AML	AML	16 30 47.5	
BNDS	Bandar-Abbas	3.45	102	eP	Pn	16 29 28.0	-0.5
BNDS	Bandar-Abbas	3.45	102	eS	Sn	16 30 08.0	-1.5
BOGS		3.53	200	P	Pn	16 29 31.2	+1.6
SLWS		3.71	205	P	Pn	16 29 33.4	+1.3
SLWS		3.71	205	P	Pn	16 29 33.3	+1.2
IMEH	Mehriz	3.74	31	ePn	Pn	16 29 33.2	+0.7
IMEH	Mehriz	3.74	31	ePn	Pn	16 29 38.9	
IMEH	Mehriz	3.74	31	ePn	Pn	16 29 33.2	+0.7
IBND	Bandar-Abbas	3.76	100	eSg	Sg	16 29 38.6	+3.1
ISAD	Sadrah	3.89	17	ePn	Pn	16 29 35.2	+0.6
ISAD	Sadrah	3.89	17	ePn	Pn	16 30 50.9	
ISAD	Sadrah	3.89	17	ePn	Pn	16 29 35.2	+0.6
BANOM	Banah	4.16	122	P	Pn	16 29 38.5	+0.3
BANOM	Banah	4.16	122	P	Pn	16 29 38.5	+0.2
IGAR	Garmeh	4.22	356	ePn	Pn	16 29 39.1	0.0
IGAR	Garmeh	4.22	356	ePn	Pn	16 30 36.2	
KBD	Kabd	4.23	285	eP	Pn	16 29 40.2	+0.9
KBD	Kabd	4.23	285	AML	AML	16 30 39.3	
KBD	Kabd	4.23	285	eP	Pn	16 29 40.2	+0.9
KBRB	Kerman	4.24	64	eP	Pn	16 29 40.0	+0.7
KBRB	Kerman	4.24	64	eS	Sn	16 30 28.0	-0.9
KBRB	Kerman	4.24	64	ePn	Pn	16 29 40.4	+1.0
KBRB	Kerman	4.24	64	ePn	Pn	16 30 29.2	+0.4
KBRB	Kerman	4.24	64	AML	AML	16 31 08.4	
KBRB	Kerman	4.24	64	AML	AML	16 31 18.4	
KBRB	Kerman	4.24	64	eP	Pn	16 29 40.0	+0.7
KBRB	Kerman	4.24	64	eS	Sn	16 30 28.0	-0.9
RDF	Al-Radiah	4.31	281	eP	Pn	16 29 41.4	+1.1
RDF	Al-Radiah	4.31	281	ePn	Pn	16 30 38.8	
RDF	Al-Radiah	4.31	281	eP	Pn	16 29 41.4	+1.1
NAZ	Nazwa	4.34	136	P	Pn	16 29 41.7	+1.1
NAZ	Nazwa	4.34	136	P	Pn	16 29 41.8	
NAZ	Nazwa	4.34	136	P	Pn	16 29 41.7	+1.1
BTHS	Bafgh	4.34	199	P	Pn	16 29 41.4	+0.6
BTHS	Bafgh	4.34	199	P	Pn	16 29 41.4	+0.6
IBAF	Bafgh	4.38	38	ePn	Pn	16 29 42.0	+0.6
IBAF	Bafgh	4.38	38	ePn	Pn	16 29 57.7	

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
IBAF	Bafgh	4.38	38	ePn	Pn	16 29 42.0	+0.6
ICHK	Chechek	4.42	23	ePn	Pn	16 29 42.0	+0.4
ICHK	Chechek	4.42	23	ePn	Pn	16 29 46.0	
ICHK	Chechek	4.42	23	ePn	Pn	16 29 42.2	+0.4
ASUD	Al Ashush, Dub	4.42	143	P	Pn	16 29 43.3	
ASUD	Al Ashush, Dub	4.42	143	P	Pn	16 29 43.1	+1.2
NASN	Na'in	4.62	5	ePn	Pn	16 29 44.0	-0.6
NASN	Na'in	4.62	5	eSg	Sg	16 30 57.0	-6.1
NASN	Na'in	4.62	5	ePn	Pn	16 29 44.7	+0.1
NASN	Na'in	4.62	5	ePn	Pn	16 30 37.8	-0.5
NASN	Na'in	4.62	5	ePn	Pn	16 29 44.0	-0.6
NASN	Na'in	4.62	5	eSg	Sg	16 30 57.0	-6.1
NAY	Al-Naaeim	4.63	285	eP	Pn	16 29 45.5	+0.8
NAY	Al-Naaeim	4.63	285	AML	AML	16 30 58.1	
NAY	Al-Naaeim	4.63	285	eP	Pn	16 29 45.5	+0.7
IPIR	Pirpir	4.67	344	ePn	Pn	16 29 45.0	-0.3
IPIR	Pirpir	4.67	344	ePn	Pn	16 31 43.0	
IPIR	Pirpir	4.67	344	ePn	Pn	16 29 45.0	-0.3
MIB	Mutribah	4.70	291	eP	Pn	16 29 46.6	+1.0
MIB	Mutribah	4.70	291	AML	AML	16 30 47.8	
IZEF	Zefreh	4.70	291	ePn	Pn	16 29 46.7	+1.0
IZEF	Zefreh	4.70	291	ePn	Pn	16 29 45.6	-0.1
IZEF	Zefreh	4.70	291	ePn	Pn	16 30 41.4	
IZEF	Zefreh	4.70	291	ePn	Pn	16 29 45.6	-0.1
HATD	Hatta, Dubai	4.74	134	P	Pn	16 29 46.4	+0.2
HATD	Hatta, Dubai	4.74	134	P	Pn	16 29 46.9	
HATD	Hatta, Dubai	4.74	134	P	Pn	16 29 46.4	+0.1
ASHO	Ashtian	4.80	136	P	Pn	16 29 47.3	+0.2
ASHO	Ashtian	4.80	136	P	Pn	16 29 47.3	
ASHO	Ashtian	4.80	136	P	Pn	16 29 47.3	+0.3
RST	Umm Al-Ruwaisa	4.90	287	eP	Pn	16 29 49.7	+1.3
RST	Umm Al-Ruwaisa	4.90	287	eP	Pn	16 29 49.7	+1.3
SHGR	Shooshtar-Gavs	4.99	323	eP	Pn	16 29 49.3	-0.7
SHGR	Shooshtar-Gavs	4.99	323	ePn	Pn	16 29 49.3	-0.3
SHGR	Shooshtar-Gavs	4.99	323	AML	AML	16 31 18.2	
SHGR	Shooshtar-Gavs	4.99	323	ePn	Pn	16 29 49.3	-0.7
IKLH	Kolahrood	5.17	353	ePn	Pn	16 29 51.6	-0.5
IKLH	Kolahrood	5.17	353	ePn	Pn	16 31 40.3	
IKLH	Kolahrood	5.17	353	ePn	Pn	16 29 51.6	-0.5
ARQ	Araqi	6.10	141	P	Pn	16 30 04.9	-0.1
ARQ	Araqi	6					



Table with columns: LBTB, Lobatse, 58.84 209 eP, P, 16 38 34.1 +0.6, comp=Z,17nm,1.4s,mb4.9

JMA 21 16:41:54.7±0.4, 36.58N:142.45E, h5km, 5km, MS3.4
IDC 21 16:41:54.4±1.7, 36.55N:142.56E, h0km, mb3.6,
mb1 3.7/7, mb1mx3.4/25, mbtmp3.6/7, ML3.4/2, Error
ellipse: s-maj=48.4km s-min=21.4km az=69.0

ISCJB 21 16:41:55.7±1.9, 36.54N:0.05:142.55E:0.07,
h23km, 16km, mb3.5/5, Error ellipse: s-maj=9.4km,
s-min=8.9km az=13.7

NEIC 21 16:41:55.2±1.0, 36.54N:142.61E, h10km, mb4.1/1, Error
ellipse: s-maj=21.2km s-min=21.2km az=71.0

ISC 21 16:41:56.0±2.1, 36.59N:0.05:142.45E:0.08, h6km, 16km,
n31, ±0.79/36, mb3.5/5, Off east coast of Honshu

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ONAJ Iwakimizuishi, 1.42 292 P, Pn, 16 42 20.8 -1.5

MEX 21 17:15:58.0±0.7, 17.61N:99.27W, h44km, 31km, MD3.6,
Guerrero

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, MEIG Mezcala, 0.46 313 Op, Pn, 17 12 13.8 -2.0

PRE 21 17:15:01.5±1.1, 28.09S:267.6E, h2km, ML3.8, South
Africa

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, MOAB Moab Khotsong, 1.09 2 eS, P, 17 15 22.8 +0.3

Table with columns: TLEK Tau Lekoa, 1.12 356 eP, P, 17 15 23.6 +0.6, comp=Z,756nm,0.2s

ISCJB 21 17:16:30.5±1.8, 12.31N:0.08:144.2E:0.2, h40km, 18km,
mb3.9/14, Error ellipse: s-maj=25.8km s-min=12.3km

NEIC 21 17:16:31.9±1.4, 12.34N:144.25E, h39km, 13km, mb4.2/4,
Error ellipse: s-maj=17.4km s-min=8.7km az=96.0

IDC 21 17:16:32.8±2.1, 12.32N:144.27E, h45km, 20km, mb3.6/11,
mb1 3.8/11, mb1mx3.7/22, mbtmp3.6/11, Error ellipse:
s-maj=25.8km s-min=14.8km az=110.0

ISC 21 17:16:32.1±1.8, 12.33N:0.08:144.2E:0.2, h39km, 18km,
n36, ±0.59/32, mb3.9/14, South of Mariana Islands

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, GUMO Gumo, 1.40 26 P, Pn, 17 16 54.5 -0.7

YKA Yellowknife Arr, 84.26 27 P, Pn, 17 28 59.8 +0.3

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, YKA Yellowknife Arr, 84.26 27 P, Pn, 17 28 59.8 +0.3

IDC 21 17:25:41.1±2.8, 6.28S:154.85E, h0km, mb3.1/2,
mb1 3.5/3, mb1mx3.3/16, mbtmp3.4/3, ML2.6/1, MS4.1/1,
MS1.4/1, ms1mx2.7/9, Error ellipse: s-maj=123.2km
s-min=45.3km az=136.0, Bougainville - Solomon
Islands region

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, YKA Yellowknife Arr, 84.26 27 P, Pn, 17 28 59.8 +0.3

Table with columns: PMG Port Moresby, 8.23 247 Pn, Pn, 17 27 44.1 +2.3, 0.4nm, 0.3s, baz=41, slow=11, SNR=3.8

ISCJB 21 17:26:45.3±0.7, 31.04N:0.05:141.0E:0.1, h87km, 8km,
mb3.6/9, Error ellipse: s-maj=20.6km s-min=6.3km

IDC 21 17:26:47.2±2.0, 30.96N:140.93E, h86km, 20km, mb3.2/8,
mb1 3.4/10, mb1mx3.3/24, mbtmp3.3/10, MS3.2/3,
Ms1 3.2/3, ms1mx2.6/17, Error ellipse: s-maj=33.7km
s-min=12.9km az=73.0

NEIC 21 17:26:47.2±1.0, 31.07N:141.07E, h90km, 11km, mb4.0/1,
Error ellipse: s-maj=21.8km s-min=9.0km az=82.0

JMA 21 17:26:48.2±0.2, 31.59N:141.26E, h0km, M4.2,
ISC 21 17:26:48.6±0.6, 31.05N:0.05:141.0E:0.1, h82km, 8km,
n34, ±1.94/37, mb3.5/9, Southeast of Honshu

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, JHJ2 Mitsune, 2.29 344 Op, Pn, 17 27 23.2 +0.6

ISCJB 21 17:30:56.7±1.1, 35.80N:0.04:36.45E:0.06, h4km, 6km,
Error ellipse: s-maj=7.7km s-min=6.2km az=15.8

DDA 21 17:30:57.2, 35.87N:36.43E, h7km, 1km, MD3.2
ISK 21 17:30:58.2, 35.90N:36.46E, h7km, MD3.2
CSEM 21 17:30:58.2±0.5, 35.89N:36.44E, h2km, MD3.2, Error
ellipse: s-maj=13.0km s-min=4.9km az=170.0

ISC 21 17:30:56.9±1.0, 35.80N:0.04:36.45E:0.05, h3km, 7km,
n27, ±0.94/38, Jordan - Syria region

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, YAYL Yayladag, 0.36 311 Op, Pn, 17 31 03.6 -0.3

BJJ 21 17:35:33.0, 36.70N:121.30W, h10km, mb5.2/3, mb5.0/3,
Ms4.7/2, Ms7.4/2

ISCJB 21 17:35:35.5±0.8, 36.63N:121.43W:0.07, h17km, 6km,
mb3.7/3, MS3.4/6, Error ellipse: s-maj=11.8km
s-min=5.7km az=138.1

NEIC 21 17:35:36.6, 36.68N:121.30W, h4km, MW4.0(BFK), After
NEICD.

NEIC Felt [I] at Castroville and Hollister; [II] at Aptos, Aromas,
Barn Lomond, Boulder Creek, Campbell, Capitola, Carmel,
Carmel Valley, Felton, Gilroy, Half Moon Bay, Los Gatos,
Marina, Monterey, Morgan Hill, Mountain View, Salinas,
San Francisco, San Jose, San Juan Bautista, San Mateo,
Santa Clara, Santa Cruz, Scotts Valley, Seaside, Soledad,
Soquel, Spreckels, Sunnyvale and Watsonville. Also felt at
Aliso, Auburn, Carmel by the Sea, Chualar, Cupertino,
Fremont, La Honda, Milpitas, Montague, Moss Landing,
Mount Hermon, Oakland, Palo Alto, Pebble Beach,
Redwood City, San Martin, Saratoga and Tres Pinos.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, IDC 21 17:35:37.9±1.7, 36.54N:121.00W, h0km, mb3.6/3,
mb1 3.7/5, mb1mx3.5/25, mbtmp3.4/5, ML3.6/2, MS3.4/8,













Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MKAR Makanchi Array, SCHQ Schefferville, SONM Songoing Array, etc.

ADC 21 20:22:05.2-0.2, 12.01N:87.35W, h0km, mb3.5/3, mb1 4.0/5, mb1mx3.6/22, mbtp3.6/5, ML3.5/2, Error ellipse: s-maj=167.8km s-min=20.7km az=40.0

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like LEON Leon, COPN Copalpete, CRIN San Cristobal, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like CNCH Conchagua, HUEN Hua Lillas, GBS3 Finca Las Im, etc.

THR 21 20:39:29.4, 1.2, 27.97N:52.20E, h15km, ML3.9 NEIC 21 20:39:31.1, 27.97N:52.32E, h23km, mb4.0/7, ML3.9(THR), After THR.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like ISRV Sarvestan, ISRV Pars, ISRV Sarvestan, etc.

ADC 21 20:22:06.3-0.7, 11.26N:04.87W, h0.05, h44km, 12km, mb3.5/4, Error ellipse: s-maj=9.1km s-min=4.1km az=138.9

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MIB Hatia, HATD Hatia, HATD Hatta, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KBL Kabul, ATD Arta Tunnel, BR131 Keskin Array, etc.

KURK Kurchatov 29.98 34 P P 20 45 23.7 KURK Kurchatov 29.98 34 P P 20 45 23.7 ZAAO Zalesovo Array 34.96 34 P P 20 46 26.0

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like ZALV Zalesovo Beam, ZALV Zalesovo Beam, GERES GERES Array B, etc.

ADC 21 20:45:23.0, 0.8, 81.3S: 120.16E, h0km, mb4.1/8, mb1 4.2/10, mb1mx4.1/20, mbtp4.1/10, ML3.3/2, MS3.4/2, Ms1 3.4/2, ms1mx2.7/28, Error ellipse: s-maj=42.3km s-min=14.9km az=71.0

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like WSI Waingapu, MMRI Maumere, BKSI Bulukumba, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, MJAR Matsushiro Arr, etc.

DJA 21 20:49:54, 1.34N:122.14E, h11km, MLV4.2/4, Minahassa Peninsula, Sulawesi ADC 21 20:48:07.3-3.9, 8.52S: 119.77E, h181km, 29km, mb3.3/4, mb1 3.3/7, mb1mx3.2/20, mbtp3.2/7, MS2.5/1, Ms1 2.5/1, s-min=17.2km az=64.0, Flores region.



Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, H, S, ISC. Lists various stations like Bratogost, Novija, Divibare, etc.

ISCJB 21 22:12:21.6:0.5, 43.99N, 0.02:17.23E, 0.02, h5km, 3km, Error ellipse: s-maj=3.1km s-min=2.0km az=44.0
CSEM 21 22:12:22.6:0.1, 43.93N, 17.29E, h0km, ML3.0/5, Error ellipse: s-maj=5.9km s-min=2.3km az=11.0
PDG 21 22:12:22.0:4, 43.88N, 17.26E, h0km, ML3.3/10, Error ellipse: s-maj=1.7km s-min=2.3km az=0.0
NEIC 21 22:12:22.2, 43.98N, 17.38E, h0km, ML2.5(PDG), After PDG.
PRU 21 22:12:23.0, 43.95N, 17.20E, h0km
LDG 21 22:12:23.5:0.1, 44.01N, 17.39E, h10km, ML3.2/1, Error ellipse: s-maj=2.8km s-min=1.6km az=31.0
BEO 21 22:12:23.1:0.5, 43.95N, 17.28E, h8km, 3km, ML3.0/5
VIE 21 22:12:25.0:3, 44.14N, 17.32E, h10km, mb.0/12, ML2.9/14, Error ellipse: s-maj=2.5km s-min=1.9km az=17.0. 94 km WNW of Sarajevo
ISC 21 22:12:23.1:0.5, 43.95N, 0.02:17.27E, 0.02, h7km, 3km, n195, e130/323, 27C-22D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, H, S, ISC. Lists stations like Banja Luka, Ston, Bratogost, Unac-Piva, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, H, S, ISC. Lists stations like Novija, Divibare, Brajci-Budva, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, H, S, ISC. Lists stations like Tirane, L'Aquila, GORJUS, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, H, S, ISC. Lists stations like Kolacno, Kecovo, Wattenberg, etc.

















Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and ISC. Includes stations like Matias Romero, Pico Bartolome, and various other locations.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and ISC. Includes stations like Matias Romero, Pico Bartolome, and various other locations.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and ISC. Includes stations like Yellowknife Ar, Kurchatov, and various other locations.

NEIC 22 02:25:41.9, 16.80N-94.39W, h128km, MD3.7(MEX), After MEX. MEX 22 02:25:42.0-0.9, 16.79N-94.39W, h126km, 11km, MD3.7,



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like La Plagne, Selonga, Rocca Rossa, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Port Moresby, Charters Tower, etc.

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

ISC/JB 22 04:01:52.7:3.4, 30.65S:0.05:176.8W:0.1, h5km, mb3.9/4, mb4.4/10, Error ellipse: s-maj=15.2km s-min=8.6km

IDC 22 04:01:52.8:0.7, 30.7:44S:176.60W, h0km, mb4.4/8, mb1.4/6.9, mb1mx4.3/19, mbtmp4.4/9, ML3.8/1, MS3.6/2, Ms1.3/6.2, ms1mx3.1/23, Error ellipse: s-maj=28.3km s-min=21.8km az=138.0

NEIC 22 04:01:54.1:0.4, 30.50S:0.05:176.7W:0.1, h5km, mb2.6km, n55.0:096/34, mb4.4/10, Kermadec Islands region

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RAOU Raoul Island, URZ Urewera, etc.

IDC 22 04:19:59.3:1.0, 48.41S:87.15W, h0km, mb3.9/4, mb1.4/2.4, mb1mx4.0/14, mbtmp3.9/4, MS3.3/5, Ms1.3/3.5, s-minmx3.2/17, Error ellipse: s-maj=42.9km s-min=26.7km az=94.0, Southern Pacific Ocean

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BCLBC Balcova, IZM Izmir, etc.

THE 22 05:04:30.8, 36.03N:21.60E, h1km, mb2km, ML3.5/1, Error ellipse: s-maj=2.9km s-min=1.2km az=202.0

CSEM 22 05:04:30.3:0.6, 36.04N:21.49E, h2km, MD3.6, Error ellipse: s-maj=11.2km s-min=7.8km az=23.0

ATH 22 05:04:30.0, 36.07N:21.42E, h10km, MD3.6/10, Error ellipse: s-maj=11.2km s-min=7.8km az=23.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PYL PYLOS, VLI Veliai, etc.

IDC 22 05:27:51.4:2.0, 1.41N, 125.84E, h0km, mb3.6/3, mb1.3/8.3, mb1mx3.5/18, mbtmp3.6/3, Error ellipse: s-maj=193.7km s-min=25.2km az=65.0, Northern Malacca Sea

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

TRN 22 05:28:19.5, 19.04N:64.26W, h49km, MD3.1(RSPR), RSPR 22 05:28:20.7, 19.03N:64.16W, h54km, MD3.1/4, 8C, Virgin Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ABV Anegada, STVI Saint Thomas, etc.

BUI 22 05:36:44.9, 23.50S:179.90W, h523km, mB5.0/15, mb4.6/19

ISC/JB 22 05:36:45.2:0.7, 23.50S:179.92W:0.1, h530km, 8km, mb4.9/8, Error ellipse: s-maj=6.8km s-min=5.2km az=157.9

IDC 22 05:36:45.1:1.1, 23.41S:179.86W, h518km, 10km, mb4.3/26, mb1.4/2.8, mb1mx4.3/29, mbtmp4.3/28, Error ellipse: s-maj=11.3km s-min=10.8km az=114.0

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

Table with columns: Station, Name, Time, Frequency, Power, and other technical details. Includes stations like AFI Afiamalu, DZM Mont Dzumac, URZ Urewera, etc.

Table with columns: Station, Name, Time, Frequency, Power, and other technical details. Includes stations like BNSI Bone, MRSI Marisa, TTSI Tana Toraja, etc.

Table with columns: Station, Name, Time, Frequency, Power, and other technical details. Includes stations like HHC Hu-ho-hao-te, BXR Barren Site, TXAR Lajitas Array, etc.













Table with columns: MATE, BULG, KEK, VLS, THL, AGG, VLI. Includes station names, coordinates, and status.

Table with columns: ASAR, WRA. Includes station names, coordinates, and status.

Table with columns: LBZ, JCZ, JCY, ODZ. Includes station names, coordinates, and status.

NEIC 22 11:02:58.5, 39:78'S:173:93E, h243km, MG3.9(WEL), After WEL, WEL 22 11:42:59.2, 0.3, 39:80'S:173:97E, h238km, MG3.9/1.3, Error ellipse: s-maj=2.4km s-min=1.4km az=90.0, Off west coast of North Island

CASC 22 12:05:36.3, 0.1, 17:47'N-87:77'W, h36km, 43km, MD3.9, 1D, Near coast of Nicaragua

ISCJB 22 11:07:43.8, 0.9, 19:05.0:1.177:5W, 0.1, h54km, 11km, mb3.7/12, Error ellipse: s-maj=25.9km s-min=10.6km az=148.9

ICD 22 11:07:44.3, 1.7, 18:78'S:177:66W, h530km, 17km, mb3.3/11, mb1 3.5/13, mb1mx3.4/21, mbtmp3.3/13, Error ellipse: s-maj=48.8km s-min=11.3km az=149.0

NEIC 22 11:07:45.0, 0.9, 19:05'S:177:56W, h55km, 8km, mb4.5/1, Error ellipse: s-maj=26.5km s-min=9.7km az=149.0

ISC 22 11:07:44.6, 0.9, 19:05.0:1.177:5W, 0.1, h54km, 10km, n46.6, s102/34, mb3.7/12, 3C-2D, Fiji Islands region

Main table listing station names, coordinates, and status for the Fiji Islands region.

Main table listing station names, coordinates, and status for the Tonga Islands region.

Table listing station names, coordinates, and status for the Nicaragua region.

ICD 22 12:12:58.9, 2.1, 7:16'N-125:50E, h0km, mb3.5/4, mb1 3.7/4, mb1mx3.4/20, mbtmp3.5/4, Error ellipse: s-maj=233.1km s-min=21.1km az=67.0, Mindanao

Table listing station names, coordinates, and status for the Mindanao region.

NEIC 22 12:14:53.7, 63:56'N-147:75'W, h7km, ML3.5(PMR), ML3.1(AEIC), After AEIC, Central Alaska

Main table listing station names, coordinates, and status for the Central Alaska region.

NEIC 22 11:09:30.2, 15:43'N-93:25'W, h96km, MD3.8(MEX), After MEX

MEX 22 11:09:30.0, 0.7, 15:42'N-93:23'W, h98km, 6km, MD3.9, Near coast of Chiapas

Table listing station names, coordinates, and status for the Chiapas region.

MEX 22 11:09:30.0, 0.7, 15:42'N-93:23'W, h98km, 6km, MD3.9, Near coast of Chiapas

Table listing station names, coordinates, and status for the Chiapas region.

ICD 22 12:34:29.0, 1.8, 32:01'S-178:46'W, h0km, mb3.2, mb1 4.1/2, mb1mx3.9/17, mbtmp3.8/3, ML3.6/1, MSK3.9/2, Ms1 3.9/2, ms1mx3.0/28, Error ellipse: s-maj=42.9km s-min=35.0km az=101.0, South of Kermadec Islands

Table listing station names, coordinates, and status for the Kermadec Islands region.

BUI 22 12:43:19.9, 5:31'S:147:63E, h153km, mb5.1/7, mb4.6/12, ISCJB 22 12:43:21.1, 0.9, 5:51'S:147:00E, 0.6, h148km, 8km, mb4.6/26, Error ellipse: s-maj=9.3km s-min=6.3km

JMA 22 11:16:15.3, 0.1, 43:20'N-146:09E, h45km, 1km, M3.5, Kuril Islands

Table listing station names, coordinates, and status for the Kuril Islands region.

NEIC 22 12:43:22.6, 1.0, 5:51'S:146:98E, h150km, 9km, mb4.8/9, Error ellipse: s-maj=8.6km s-min=7.1km az=106.0

DJA 22 12:43:24.5, 7:59'S:146:46E, h10km, mb5.2/5, ICD 22 12:43:24.9, 2.3, 5:54'S:146:95E, h170km, 21km, mb4.2/18, mb1 4.3/21, mb1mx4.3/21, mbtmp4.2/21, MS3.5/6, Ms1 3.5/6, ms1mx3.2/30, Error ellipse: s-maj=13.8km s-min=7.9km az=105.0

ISC 22 12:43:22.5, 0.7, 5:54'S:146:98E:0.05, h145km, 7km, n107, 0691/89, mb4.5/26, 1C-1D, Eastern New Guinea region

Table listing station names, coordinates, and status for the Eastern New Guinea region.

NEIC 22 12:43:22.6, 1.0, 5:51'S:146:98E, h150km, 9km, mb4.8/9, Error ellipse: s-maj=8.6km s-min=7.1km az=106.0

DJA 22 12:43:24.5, 7:59'S:146:46E, h10km, mb5.2/5, ICD 22 12:43:24.9, 2.3, 5:54'S:146:95E, h170km, 21km, mb4.2/18, mb1 4.3/21, mb1mx4.3/21, mbtmp4.2/21, MS3.5/6, Ms1 3.5/6, ms1mx3.2/30, Error ellipse: s-maj=13.8km s-min=7.9km az=105.0

ISC 22 12:43:22.5, 0.7, 5:54'S:146:98E:0.05, h145km, 7km, n107, 0691/89, mb4.5/26, 1C-1D, Eastern New Guinea region

Table listing station names, coordinates, and status for the Eastern New Guinea region.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like COEN Coen, MTSU Mount Surprise, HNR Honiara, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SCHE Schefferville, LPAZ La Paz, LPAZ La Paz, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JYK Kaneyama, YAT Matushiro, PMG Port Moresby, etc.



Table with columns for station call letters, frequency, power, and other technical details. Includes stations like XAN, XAN, XAN, TRF, SLKM, SLKM, COLD, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MK31, MK31, MKAR, MKAR, MKAR, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KOLN, DAG, RSW, G06A, APA, KEV, etc.

Table with columns: ID, Name, Az, El, AzEl, P, AzEl, P, AzEl, P. Includes entries like H14A Leadore, I13A Wildhorse Cree, HL1D Hailey, G15A Dillon, MCMT McKenzie Canyo, E17A Martinsdale, A20A Cobblestone Ra, F16A Kennard Place, J13A Cove Ranch, BOZ Bozeman (W), BOZ Bozeman (W), D18A Linhart Farms, C19A Slack Wire Ran, I14A Mackay, H15A Lima, G16A Moss Hill, Enn, A21A Bergtoll Ranch, E18A Harlowton, F17A Fitzpatrick Pl, J14A Carey, D19A Cripps Ranch, H15A Montevieu, C20A Veseth Ranch, QLMT Earthquake Lak, NVAR Mina Array Bea, NVAR Mina Array Bea, NVAR Mina Array Bea, G17A Pierce Place, H16A Russell Place, A22A Carney Farms, F18A Big Timber, D20A Manuel Ranch, GCMT Greycliff, J15A Blackfoot, C21A Desert Coulee, E19A Rath Farm, Rou, SCO Scoresby Ranch, K14A Jones Ranch, D, H16A Newdale, B22A Reddig Ranch S, F19A Roth Farm, Mol, E20A Meyer Farm, Mu, G18A Lazy EL Ranch, KAF Kangasniemi, KAF Kangasniemi, H17A Grant Village, K15A Arbon, L14A Malta, RCTC Rector, Farmer, J16A Bone, DCIDI Drake Creek, D21A La Casta Ranch, RLMT Red Lodge, RLMT Red Lodge, RRI2 Red Ridge, B23A Brockton, I17A Pilgrim Ck, H18A Shoshone NF, C, TPWA W Teton Pass, F20A Billings, K16A Soda Springs, YES Vestal, Richgr, A24A Westby, E21A Keefer Ranch, LOHW Long Hollow, REDW Red Top Meadow, L15A Malad City, D22A Colhagen, FINES FINES Array B, FINES FINES Array B, FINES FINES Array B, FINES FINES Array B, FINES FINES Array B, J17A Brown Place, J, C23A Lambert, DGMT Dagmar, DGMT Dagmar, H19A Powell, CWC Cottonwood Cre, G20A Colhagen, GRAC Grapevine Rang, LAO LASA Array, M15A Larsen Ranch, I18A Diamond G Ranc

Table with columns: ID, Name, Az, El, AzEl, P, AzEl, P, AzEl, P. Includes entries like ISA Isabella, R11A Troy Canyon, C, D23A Lindsay, L16A Fish Haven, ARVC Arvin, I19A Meeteetse, E22A Miller City, G21A Lodge Grass, MPMC Manual Prospec, L17A Cokeville, H20A Greybull, M16A Huntsville, F22A Rosebud, FURC Furnace Creek, E23A Ismay, K18A Toltan Ranch, DUG Dugway, DUG Dugway, DUG Dugway, D24A Giesbrecht, J19A Crowheart, O15A The Old Anders, PD01 Pinedale Array, PD02 Pinedale Array, BW06 Boulder Array, PDAR Pinedale Array, PDAR Pinedale Array, PDAR Pinedale Array, EDW2 Edwards Air Fo, H21A Big Horn, Sher, G22A Birney, M17A Scullys Gap, FRB Froebisher Bay, F23A Volborg, L18A Fontenelle, Gr, SFJD Fontenelle, Gr, L18A Kangerlussuaq, SFJD Absolon Red Bu, J20A Shoshoni, R13A O'Grain Ranch, N17A Moffit Pass, L19A Farson, I21A Big Trails, Te, O16A Springville, M18A Lynna, GSC Goldstone, GSC Goldstone, GSC Goldstone, F24A Ekaika, K20A Yellowstone Ra, BFSC Mount Baldy Ra, J21A Lysite, I22A 9 Mile Ranch, ARUT Antelope Range, ARUT Antelope Range, ARUT Antelope Range, ARUT Antelope Range, O17A Robinson Place, G24A Alzada, N18A Larsen Ranch, L20A Wamsutter, HEC Hector,Ludlow, J22A Midwest, K21A Alcova, H24A Dirks Ranch, A, R15A Junction, N19A John Jarvie Ra, MURC Murrieta, P17A Butcher Ranch, M20A Sweetwater, Q16A Castle Valley, P18A Preston Nutter, K22A Casper, ULM Lac du Bonnet, ULM Lac du Bonnet, ULM Lac du Bonnet, ULM Wamsutter, ULM Wamsutter, LDFC Landfair, SRU San Rafael, SRU San Rafael, SRU San Rafael, SRU San Rafael, O19A Miners Draw, PFO Pinyon Flat Ob, M21A Separation Pea

Table with columns: ID, Name, Az, El, AzEl, P, AzEl, P, AzEl, P. Includes entries like 109C Camp Elliot, M, N20A Spence Gulch, RSSD Black Hills, RSSD Black Hills, Q18A Cripple H Ranch, S16A Weppner Ranch, L22A Ellis Ranch, R17A Hanksville Air, J24A Dixon Ranch, IRM Iron Mountain, P19A Cripple Cowboy, O20A White River Ci, W13A Hulapal Mount, M22A Cedar Creek Ra, L23A Garrett, MOL Molde, U15A North Rim, S17A Black Ridge, Q19A Hogan Spring, R18A Canyonlands Na, SWSC Sam W. Stewart, P20A DeBeque, AFI Afiamalu, WRA Warramunga Ar, WRA Warramunga Ar, WRA Warramunga Ar, WRA Warramunga Ar, O21A Pagoda, PDMCI Parker Dam,Lak, Y12C Blythe, N22A Wattenberg Ran, T17A Navajo Res., N, HFS Hurst Farm, BI, R19A Curley Farm, L, NB2 NORSAR Subarra, NOA NORSAR Array B, NOA NORSAR Array B, NOA NORSAR Array B, NOA NORSAR Array B, AGMM Agassiz Nation, N23A Red Feather L, Q20A Ridgley Place, GLA Glamis, P21A Newcastle, NC602 NORSAR Array S, HFS Hagfors, HFS Hagfors, HFS Hagfors, O22A Kremmling, U17A Shonto, M24A Cheyenne, U16A Tuba City, T18A Mexican Hat, S19A Harvey Farm, M, PV01 Paradox Valley, P22A Eagle, R20A Redvale, O23A Lake Granby, G, Q21A Lamborn Mesa, WUAZ Wupatki, BORG Borgarnes, Y14A Wickenburg, SMO Snowmass, POO Poowah, M25A Palm-Egli Farm, Z13A Yuma Proving G, S20A Paradox Valley, V17A Tetonale, KYkot, U18A Rough Rock, Ch, R21A Cimarron, DZM Mont Dzumac, Q22A Crested Butte, I13A Mohawk Valley, ISCO Idaho Springs, Z14A Wintersburg, T19A Red Blabito, MVCO Mesa Verde, MVCO Mesa Verde, S21A Coal Bank Pass, W17A Winslow

X16A	Lo Mia Camp, P baz=69,SNR=9.2	69.71	61	↑P	P	13 36 46.5 +0.4
V18A	Ganado baz=69	69.73	59	↓P	P	13 36 46.4 +0.2
U19A	Dine' College, baz=70,SNR=5.5	69.77	56	↑P	P	13 36 46.6 +0.1
Q23A	Hartsel baz=70	69.92	54	↓P	P	13 36 47.9 +0.5
114A	Black Gap (USA baz=70,SNR=12)	69.95	63	↑P	P	13 36 47.9 +0.3
KONO	Kongsberg 70.01 341 eP				P	13 36 47.4 -0.1
KONO	Newcomb 70.11 58 ↓P				P	13 36 48.4 -0.1
S22A	4UR Ranch, Cr baz=70,SNR=7.8	70.15	56	↓P	P	13 36 49.4 +0.6
ASK	Askoy 70.18 344 eP				P	13 36 47.9 -0.7
RUND	Rundenannen 70.21 343 eP				P	13 36 47.4 -1.3
RUND					AMB	13 36 49.5
BER	Bergen comp=Z,187nm,1.5s,mb5.8	70.25	343	eP	P	13 36 48.1 -0.8
V19A	Window Rock baz=70	70.26	59	↓P	P	13 36 49.7 +0.3
Q24A	Divide baz=70	70.26	54	↑P	P	13 36 49.8 +0.4
T21A	Navajo Lake baz=70	70.27	57	↑P	P	13 36 49.7 +0.2
R23A	Moffat baz=70	70.42	55	↓P	P	13 36 50.6 +0.2
ODD1	Odda 70.42 343 eP				P	13 36 49.5 -0.5
P25A	Willow Gulch B 70.43 53 eP				P	13 36 50.6 +0.2
X18A	Snowflake baz=70	70.53	60	↓P	P	13 36 51.2 +0.1
214A	Organ Pipe Nat baz=70	70.54	64	↓P	P	13 36 50.6 -0.6
V20A	Brimhall baz=70	70.54	58	↓P	P	13 36 51.2 0.0
Y17A	Roosevelt 70.56 61 ↓P				P	13 36 51.5 +0.2
OGNE	Ogallala baz=70,SNR=10	70.58	51	↑P	P	13 36 51.2 -0.1
U21A	Nageezi baz=70	70.58	57	↓P	P	13 36 51.0 -0.4
T22A	Edith 70.61 57 ↑P				P	13 36 51.8 +0.2
S23A	Nye Farm, Mont baz=70	70.65	55	↓P	P	13 36 52.2 +0.3
KIV	Kislovodsk 70.75 314 eP				P	13 36 54.2 +1.9
KIV	Kislovodsk comp=Z,22nm,0.8s,mb5.1	70.75	314	eP	P	13 36 53.5 +1.2
KIV					MLR	
R24A	Sanders Place, baz=70,SNR=18.0s,MS4.6	70.79	55	↑P	P	13 36 52.6 -0.1
Q25A	Bedland, Calha baz=70,SNR=5.0	70.80	54	↓P	P	13 36 52.4 -0.3
OD7A	Beecher Island baz=70	70.87	52	↓P	P	13 36 52.9 -0.2
S27A	Great Sand Dun baz=71,SNR=5.1	70.91	55	↓P	P	13 36 53.7 +0.3
W20A	Ramah baz=71	70.98	59	↓P	P	13 36 53.6 -0.3
Y18A	Canyon Day Jun baz=71	71.00	61	↓P	P	13 36 54.3 +0.3
X19A	St. Johns baz=71,SNR=9.4	71.00	60	↓P	P	13 36 54.4 +0.4
ZEI	Tsey comp=Z,12nm,1.0s,mb4.8	71.06	62	↑P	P	13 36 54.3 0.0
Z17A	San Carlos Hig baz=71	71.08	57	↑P	P	13 36 54.3 -0.1
U22A	Llaves baz=71	71.10	56	↓P	P	13 36 54.3 -0.3
Q26A	Hugo baz=71	71.19	53	↓P	P	13 36 54.5 -0.6
R25A	Fountain Ranch, baz=71	71.31	54	↓P	P	13 36 55.5 -0.3
Y19A	Nutroso baz=71	71.34	60	↓P	P	13 36 56.5 +0.4
V22A	San Miguel Ran baz=71	71.37	57	↓P	P	13 36 56.1 -0.1
X20A	Quemado baz=71,SNR=5.6	71.39	59	↓P	P	13 36 57.0 +0.7
U23A	El Rito baz=71,SNR=9.3	71.50	57	↓P	P	13 36 57.6 +0.6
TUC	Tucson comp=Z,1.1nm,1.1s,mb4.5	71.55	62	eP	P	13 36 57.1 -0.3
TUC	Tucson comp=Z,2.2nm,1.2s,mb5.0	71.55	62	eP	P	13 36 57.1 -0.2
S25A	Robets Cordova baz=71	71.57	55	↑P	P	13 36 57.1 -0.3
AKASG	Malin Array Be comp=Z,5.6nm,0.4s,mb4.9,baz=35,slow=6.1,SNR=15	71.60	326	P	P	13 36 56.3 -1.0
AKASG					LR	14 10 53.7
AKASG	Malin Array Be comp=Z,5.63nm,18.2s,MS4.9,baz=30.5,slow=38	71.60	326	P	P	13 36 56.3 -1.0
AKASG	Malin Array Be comp=Z,5.6nm,0.4s,mb4.9,baz=35,slow=6.1,SNR=15	71.60	326	P	P	13 36 56.5 -0.8
AKASG					MLR	
AKBB	Malin Array Si comp=Z,6.0nm,0.4s	71.60	326	eP	P	13 36 56.0 -1.3
AKBB	Malin Array Si comp=Z,5.4nm,0.6s,mb4.7	71.60	326	eP	P	13 36 56.0 -1.3
KIEV	Kiev comp=Z,5.4nm,0.6s,mb4.7	71.61	326	dP	P	13 36 56.9 -0.5
R26A	Arlington baz=71	71.67	54	↓P	P	13 36 57.6 -0.4
SNART	Snartemo 71.73 342 eP				P	13 36 58.5 +0.5
Z19A	T-Link Ranch, baz=72	71.79	61	↓P	P	13 36 58.6 -0.2
ASAR	Alice Springs comp=Z,2.8nm,0.8s,mb4.2,baz=12,slow=5.4,SNR=37	71.80	198	P	P	13 36 58.9 +0.3
ASAR	Alice Springs comp=Z,2.8nm,0.8s,mb4.2,baz=12,slow=5.4,SNR=37	71.80	198	P	P	13 36 58.9 +0.3
ASAR					MLR	
118A	Homack Ranch, baz=72	71.82	62	↑P	P	13 36 59.2 +0.2
Y21A	Alamocita Cree baz=72	71.88	59	↑P	P	13 36 59.3 +0.7
X20A	Horse Springs, baz=72,SNR=5.3	71.90	60	↓P	P	13 37 00.1 +0.0
V23A	Ortiz Mt. (NFS baz=72)	71.91	57	↓P	P	13 36 59.7 +0.3
T25A	Trinidad baz=72	71.95	55	↓P	P	13 36 59.8 +0.1
U24A	Moreno Valley baz=72	71.97	56	↓P	P	13 36 59.7 -0.1
R27A	Moreno Valley baz=72	72.05	53	↓P	P	13 36 59.4 -0.8
SPM1	St. Paul baz=72	72.10	42	↑P	P	13 36 59.5 -0.9
218A	Dragon baz=72	72.23	62	↑P	P	13 37 01.6 +0.1
Y21A	Point of Rocks baz=72	72.25	59	↓P	P	13 37 01.7 +0.2
X22A	Bernardo baz=72	72.30	58	↓P	P	13 37 02.1 +0.3
Z20A	Nine Sixteen R baz=72	72.32	52	↓P	P	13 37 01.8 -0.2
W23A	Werner Place, baz=72	72.34	57	↓P	P	13 37 01.5 -0.6
GNI	Garni comp=Z,6.0nm,0.6s,mb4.7,baz=267,slow=5.2,SNR=3.8	72.45	310	P	P	13 37 04.6 +2.0
GNI	Garni comp=Z,6.0nm,0.6s,mb4.7,baz=267,slow=5.2,SNR=3.8	72.45	310	P	P	13 37 04.7 +2.0
GNI	Garni comp=Z,6.0nm,0.6s,mb4.7,baz=267,slow=5.2,SNR=3.8	72.45	310	P	P	13 37 02.9 +0.3
V24A	Rampart Ranch, baz=72	72.45	57	↑P	P	13 37 02.6 -0.1
U25A	Circle Dot Ran baz=72	72.47	56	↓P	P	13 37 02.7 -0.1
318A	Bisbee baz=72,SNR=8.0	72.64	63	↑P	P	13 37 04.1 +0.3
ANN	Anapa 72.66 318 eP				P	13 36 54.9 -8.9
120A	U Bar Ranch, L baz=72,SNR=7.1	72.69	61	↑P	P	13 37 04.5 +0.4
219A	White Tail Can baz=72,SNR=11	72.69	62	↑P	P	13 37 04.4 +0.2
Y22A	Socorro baz=72	72.72	59	↑P	P	13 37 04.8 +0.4
X23A	Hourglass Bar baz=72	72.73	58	↓P	P	13 37 04.5 +0.2
W24A	Lazy B Ranch, baz=72	72.74	57	↓P	P	13 37 04.3 -0.1
Z21A	St. Cloud Mine baz=72	72.74	60	↓P	P	13 37 04.4 0.0
V25A	Rancho No Teng baz=72	72.75	56	↓P	P	13 37 04.6 +0.1
Z22A	Elephant Butte baz=72,SNR=5.1	73.20	59	↑P	P	13 37 07.4 +0.2
220A	Playas Peak, P baz=73,SNR=7.0	73.21	61	↑P	P	13 37 07.5 +0.2
121A	Cookes Peak, D baz=73,SNR=6.4	73.21	60	↑P	P	13 37 07.6 +0.3
V26A	Tequesquite Ra baz=73	73.26	56	↓P	P	13 37 07.3 -0.1
Y23A	Lovelace Mesa, baz=73	73.28	58	↑P	P	13 37 07.6 0.0
W25A	Xhar L Ranch, baz=73	73.28	56	↑P	P	13 37 07.6 0.0
122A	Conniff Cattle baz=73	73.57	60	↑P	P	13 37 09.7 +0.3
221A	Mesquite Ranch baz=73	73.58	61	↓P	P	13 37 09.8 +0.4
Y24A	Capitan baz=73,SNR=5.0	73.63	58	↓P	P	13 37 09.5 -0.2
X25A	Clemmons Ranch baz=73	73.66	57	↓P	P	13 37 09.9 0.0
SCHO	Schefferville comp=Z,12nm,0.8s,mb4.9,baz=35,slow=5.9,SNR=12	73.74	22	P	P	13 37 09.5 -0.4
SCHO	Schefferville comp=Z,12nm,0.8s,mb4.9,baz=35,slow=5.9,SNR=12	73.74	22	P	P	13 37 09.5 -0.4
Y25A	Mesa, Roswell baz=74	74.07	58	↑P	P	13 37 12.0 -0.2
Z24A	Sheepen Canyo baz=74	74.09	58	↓P	P	13 37 12.2 -0.2
X26A	CR and CF Fran baz=74	74.13	57	↑P	P	13 37 11.9 -0.7
W27A	Bowe Ranch, En baz=74	74.19	56	↓P	P	13 37 12.6 -0.4
SCIA	State Center comp=Z,7.2nm,1.4s,mb5.4	74.40	45	eP	P	13 37 12.8 -1.2
Z25A	Roswell baz=74	74.51	58	↑P	P	13 37 14.8 -0.1
KIS	Kishinev 74.72 324 eJNK				P	13 37 15.0
KIS	Kishinev 74.72 324 eJNK				P	13 37 15.0 -0.8
224A	Cornudas Mount baz=75	74.89	59	↓P	P	13 37 16.9 -0.1
Z26A	Caprock baz=75,SNR=9.4	74.95	58	↓P	P	13 37 16.9 -0.4
Y27A	Causedy baz=75,SNR=5.3	74.98	57	↓P	P	13 37 17.1 -0.5
125A	Gardner Draw, baz=75	74.99	58	↓P	P	13 37 17.3 -0.3
AMTX	Amarillo baz=75,SNR=5.3	75.11	55	↑P	P	13 37 18.0 -0.2
AMTX	Amarillo comp=Z,1.9nm,1.2s,mb4.9	75.11	55	eP	P	13 37 17.8 -0.5
MXST	Mulhose baz=75	75.14	56	↑P	P	13 37 18.4 -0.1
MXNT	Cornudas Mount baz=75,SNR=5.2	75.24	60	↑P	P	13 37 18.7 -0.4
225A	Deer Hill, Car baz=75	75.28	59	↑P	P	13 37 18.9 -0.4
Z27A	Tatum baz=75,SNR=11	75.36	57	↑P	P	13 37 19.4 -0.3
324A	Moseley Ranch, baz=75	75.36	60	↑P	P	13 37 19.8 0.0
126A	Clayton Basin, baz=75	75.37	58	↑P	P	13 37 19.5 -0.3
OJC	Ojcow 75.42 331 eP				P	13 37 19.8 0.0
GC	Ojcow 75.42 331 eP				P	13 37 19.8 0.0
GDZL	Guadalupe Moun comp=Z,5.9nm,1.8s,mb5.2	75.49	59	eP	P	13 37 19.4 -1.1
STHS	Stebnicka Huta 75.60 330 eP				P	13 37 22.0 +1.2
STHS					MLR	
STHS	Stebnicka Huta comp=Z,1.9nm,0.9s,mb5.0	75.60	330	eP	P	13 37 22.0 +1.2
STHS	Stebnicka Huta comp=Z,1.9nm,0.9s,mb5.0	75.60	330	eP	P	13 37 22.0 +1.2
BUR08	Bucovina Ar. S 75.63 326 eP				P	13 37 21.4 +0.3
BURAR	Bucovina Array 75.65 326 eP				P	13 37 21.3 +0.2
BURAR	Bucovina Array 75.65 326 eP				P	13 37 21.3 +0.2
325A	Bean Ranch, Si baz=75	75.72	60	↑P	P	13 37 21.8 0.0
226A	Malaga, Loving baz=75,SNR=6.0	75.74	58	↑P	P	13 37 21.7 -0.3
UZH	Uzhgorod 75.89 329 eP				P	13 37 20.0 -2.5
UZH	Uzhgorod 75.89 329 eP				P	13 37 20.0 -5.2
UZH	Uzhgorod 75.89 329 eP				P	13 37 23.4 +0.5
NIE	Niedzica 75.92 330 eP				P	13 37 23.2 +0.5
CRVS	Cervenica-Dubn 75.96 329 eP				P	13 37 23.1 +0.2
CRVS					MLR	
CRVS	Cervenica-Dubn comp=Z,1.9nm,0.9s,mb4.9	75.96	329	eP	P	13 37 23.1 +0.2
CRVS	Cervenica-Dubn comp=Z,1.9nm,0.9s,mb4.9	75.96	329	eP	P	13 37 23.1 +0.2
TESR	75.99 325 eP				P	13 37 23.2



Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like MEZF, THEF, MOF, HAU, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like MBDF, ORIF, ORIF, etc.

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

ADC 22 13:32:50.5:3.2, 31.415x176.94W, h0km, mb3.9/3, mb1 4.1/5, mb1mx3.9/18, mbtmp4.0/5, ML3.8/2, Error ellipse: s-maj=71.8km s-min=34.8km az=114.0

IDC 22 13:38:41.5:2.0, 31.785x178.24W, h0km, mb3.8/2, mb1 4.1/2, mb1mx3.8/16, mbtmp3.8/2, MS3.2/2, Ms1 3.2/2, ms1mx2.7/32, Error ellipse: s-maj=72.7km s-min=46.2km az=9.0, Kermadec Islands region

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

JMA 22 13:38:45.2:0.7, 46.51Nx152.73E, h30km, M4.3, MOS 22 13:38:45.2:6.2, 46.36Nx152.79E, h39km, mb4.2/3, Error ellipse: s-maj=26.2km s-min=9.9km az=56.9

ISCJB 22 13:38:46.3:1.1, 46.7N:0.2:152.2E:0.2, h42km, 11km, mb3.7/7, Error ellipse: s-maj=33.7km s-min=5.7km az=141.0

NEIC 22 13:38:47.8:0.8, 46.46N:152.79E, Error ellipse: s-maj=28.1km s-min=7.6km az=140.0, IDC 22 13:38:48.7:1.5, 46.07N:152.54E, h43km, 7km, mb3.6/7, mb1 3.9/9, mb1mx3.5/26, mbtmp3.7/9, ML3.6/2, Error ellipse: s-maj=48.4km s-min=17.5km az=149.0

ISC 22 13:38:48.4:1.0, 46.6E:0.2:152.4E:0.2, h46km, 10km, h44km, 1.2km:pp-P, n54, c125/62, mb3.7/7, 1C, Kuril Islands

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

NEM2 Nemuro 2 5.72 238 P Pn 13 40 09.3 -1.4 NEM2 Rausu 5.79 246 eS Sn 13 41 11.5 -3.5

JNK Nakash 6.22 244 P Pn 13 40 18.5 +1.0 JTKR Abashiri-Toko 6.55 250 P Pn 13 40 24.6 +2.6

JAK Akkeshi 6.56 240 P Pn 13 40 20.9 -1.3 JAK Ashorobuto 6.96 245 P Pn 13 40 33.0 -2.6

JAR Onbets 7.13 242 P Pn 13 40 30.1 +1.0 JOB Onbets 7.13 242 P Pn 13 41 48.7 -0.9

JKK2 Kamakawa 2 7.35 252 P Pn 13 40 35.7 +2.7 ASAJ Asahikawa 7.35 254 P Pn 13 40 36.6 +3.3

ASAJ Asahikawa 7.35 254 Pn Pn 13 40 36.4 +3.3 ASAJ Asahikawa 7.35 254 Pn Pn 13 40 36.7 +3.7

PEA0B Petropavlovsk-7 7.38 26 P Pn 13 40 33.5 +0.1 PETK Petropavlovsk-7 7.38 26 P Pn 13 40 32.7 -0.7

PETK Petropavlovsk-7 7.38 26 Pn Pn 13 40 32.7 -0.7 PETK Petropavlovsk-7 7.38 26 Pn Pn 13 40 32.7 -0.7



O22A	Kremmling	67.32 330	↑P	P	14 03 20.8 +0.2
LIC	Lamto	67.44 75	eP	P	14 03 22.5 +0.6
LIC	224nm, 22.2s		eR		
M24A	Lamto	67.44 75	eP	P	14 03 22.5 +0.6
M24A	Cheyenne	67.54 332	↑P	P	14 03 22.8 +0.9
U15A	Nual Rim	67.58 323	↑P	P	14 03 22.8 +0.5
W13A	Hualapai Mount	67.59 321	↑P	P	14 03 23.0 +0.7
N23A	Red Feather La	67.61 330	↑P	P	14 03 22.9 +0.6
S17A	Black Ridge (B	67.61 325	↑P	P	14 03 22.6 +0.1
R18A	Canyonlands Na	67.67 326	↑P	P	14 03 22.7 -0.1
IRM	Iron Mountain	67.72 320	↑P	P	14 03 23.3 +0.1
Q19A	Hogan Spring (	67.77 327	↑P	P	14 03 23.4 +0.1
DBIC	Dimbokro	67.77 75	eP	P	14 03 24.2 +0.3
DBIC	Dimbokro	67.77 75	eP	P	14 03 24.4 +0.4
N22A	Wattenberg Ran	67.78 330	↑P	P	14 03 23.9 +0.5
O21A	Pagoda	67.81 329	↑P	P	14 03 24.2 +0.6
M23A	Laramie	67.95 331	↑P	P	14 03 24.5 0.0
S16A	Weppner Ranch,	68.11 325	↑P	P	14 03 25.9 +0.4
P19A	Cripple Cowboy	68.13 328	↑P	P	14 03 25.7 +0.1
O20A	White River Ci	68.13 328	↑P	P	14 03 25.9 +0.3
R17A	Hanksville Ar	68.13 326	↑P	P	14 03 25.8 +0.2
PFO	Pinyon Flat Ob	68.17 319	↑P	P	14 03 26.4 +0.3
N21A	Black Mountain	68.25 329	↑P	P	14 03 26.3 -0.1
Q18A	Rafter H Ranch	68.33 327	↑P	P	14 03 27.1 +0.2
L23A	Garrett	68.45 331	↑P	P	14 03 28.4 +0.8
SRU	San Rafael	68.54 326	↑P	P	14 03 28.4 +0.2
MURC	Murrieta	68.64 318	↑P	P	14 03 28.7 -0.2
N20A	Spence Gulch,	68.67 329	↑P	P	14 03 29.3 +0.3
O19A	Miners Draw (B	68.70 328	↑P	P	14 03 29.3 +0.1
L22A	Ellis Ranch, M	68.72 331	↑P	P	14 03 30.4 +1.1
P18A	Preston Nutter	68.77 327	↑P	P	14 03 30.2 +0.6
M21A	Separation Pea	68.83 330	↑P	P	14 03 30.5 +0.6
R15A	Junction	68.84 325	↑P	P	14 03 30.5 +0.5
HEC	Hector, Ludlow	68.89 320	↑P	P	14 03 30.9 +0.4
P17A	Butcher Ranch,	68.92 326	↑P	P	14 03 31.1 +0.6
K23A	Bowen Ranch, D	68.92 332	↑P	P	14 03 30.8 +0.3
J24A	Dixon Ranch, L	68.96 333	↑P	P	14 03 31.5 +0.8
L21A	Rawlins	69.11 330	↑P	P	14 03 32.1 +0.5
M20A	Sweetwater, Wa	69.14 329	↑P	P	14 03 32.3 +0.4
N19A	John Jarvie Ra	69.17 328	↑P	P	14 03 32.3 +0.3
K22A	Casper	69.25 331	↑P	P	14 03 32.8 +0.3
O17A	Robinson Place	69.45 327	↑P	P	14 03 34.2 +0.5
N18A	Larsen Ranch, B	69.48 328	↑P	P	14 03 34.4 +0.4
GSC	Goldstone	69.50 320	↑P	P	14 03 34.3 +0.1
GSC	Goldstone	69.50 320	eP	P	14 03 33.9 -0.3
K21A	Alcova	69.57 331	↑P	P	14 03 35.0 +0.5
L20A	Wamsutter	69.61 330	↑P	P	14 03 35.2 +0.5
I23A	Meade Ranch, G	69.81 333	↑P	P	14 03 36.5 +0.6
J22A	Midwest	69.83 332	↑P	P	14 03 36.3 +0.3
AGMN	Agassiz Nation	69.91 341	eP	P	14 03 35.1 -1.3
M18A	Lymar	70.02 327	↑P	P	14 03 37.2 0.0
N17A	Moffit Pass	70.05 328	↑P	P	14 03 37.5 +0.1
H24A	Dirks Ranch, A	70.05 334	↑P	P	14 03 37.2 -0.1
K20A	Yellowstone Ra	70.10 330	↑P	P	14 03 37.8 +0.1
L19A	Farson	70.17 329	↑P	P	14 03 38.6 +0.4
I22A	9 Mile Ranch,	70.21 332	↑P	P	14 03 38.4 +0.1
J21A	Lysite	70.22 331	↑P	P	14 03 38.8 +0.4
FURC	Furnace Creek,	70.30 321	↑P	P	14 03 39.2 +0.2
M17A	Scully's Gap (B	70.35 328	↑P	P	14 03 39.4 +0.1
L18A	Fontanelle, Gr	70.37 329	↑P	P	14 03 39.5 +0.2
MPMC	Manual Proc	70.41 320	↑P	P	14 03 39.5 -0.3
K19A	Absolon Red Bu	70.47 330	↑P	P	14 03 39.7 -0.3
I21A	Big Trails, Te	70.51 332	↑P	P	14 03 40.0 -0.2
J20A	Shoshoni	70.52 331	↑P	P	14 03 40.6 +0.4
DUG	Dugway	70.54 326	↑P	P	14 03 40.9 +0.4
ARVC	Arvin	70.65 318	↑P	P	14 03 41.5 +0.3
ISA	Isabella	70.77 319	↑P	P	14 03 42.1 +0.2
PDAR	Pinedale Array	70.77 330	P	P	14 03 41.2 -0.6
PDAR	Pinedale Array	70.77 330	↑P	P	14 03 41.2 -0.6
BW06	Boulder Array	70.77 330	↑P	P	14 03 42.0 +0.2
G23A	Biddle	70.77 334	↑P	P	14 03 41.7 0.0
PD02	Pinedale Array	70.78 330	eP	P	14 03 41.3 -0.6
PD01	Pinedale Array	70.79 330	eP	P	14 03 40.3 -1.6
R11A	Troy Canyon, C	70.80 323	↑P	P	14 03 42.5 +0.4
F24A	Ekalaka	70.90 335	↑P	P	14 03 42.2 -0.2
J19A	Crownhart	70.91 330	↑P	P	14 03 42.2 -0.4
K18A	Toltan Ranch,	70.91 329	↑P	P	14 03 42.7 +0.1
GRAC	Grapevine Rang	70.95 321	↑P	P	14 03 42.7 -0.4
I20A	Worldan	71.00 331	↑P	P	14 03 43.0 -0.1
H21A	Big Horn, Sher	71.03 332	↑P	P	14 03 43.1 -0.2
F23A	Volborg	71.19 334	↑P	P	14 03 44.3 0.0
M15A	Larsen Ranch,	71.26 327	↑P	P	14 03 44.8 +0.1
VES	Vestal, Richr	71.26 319	↑P	P	14 03 44.9 -0.1
H20A	Greybull	71.25 332	↑P	P	14 03 45.4 +0.2
E24A	Baker	71.42 335	↑P	P	14 03 46.2 +0.5
I19A	Meeteetse	71.46 331	↑P	P	14 03 45.7 -0.3
SMMC	Simmler	71.51 318	↑P	P	14 03 45.9 -0.5

G21A	Lodge Grass	71.57 333	↑P	P	14 03 46.4 -0.2
I18A	Diamond G Ranc	71.60 330	↑P	P	14 03 46.8 +0.1
F22A	Rosebud	71.60 333	↑P	P	14 03 46.2 -0.5
L15A	Malad City	71.62 327	↑P	P	14 03 46.7 -0.1
ULM	La du Bonnet	71.65 342	eP	P	14 03 45.5 -1.5
ULM	La du Bonnet	71.65 342	eP	P	14 03 45.4 -1.5
J17A	Brown Place, J	71.78 329	↑P	P	14 03 48.1 +0.3
E23A	Ismay	71.78 334	↑P	P	14 03 47.3 -0.5
K16A	Soda Springs	71.82 328	↑P	P	14 03 48.7 +0.6
D24A	Glendive	71.88 335	↑P	P	14 03 48.8 +0.4
H19A	Powell	71.94 331	↑P	P	14 03 49.3 +0.5
TPAW	Teton Pass	71.99 329	eP	P	14 03 48.9 -0.1
RR12	Red Ridge	72.06 329	eP	P	14 03 49.0 -0.6
L14A	Malta	72.08 327	↑P	P	14 03 49.9 +0.2
I17A	Pilgrim Ck.	72.12 330	↑P	P	14 03 50.3 +0.4
J16A	Bot	72.15 329	↑P	P	14 03 50.6 +0.5
K15A	Arbon	72.18 328	↑P	P	14 03 50.4 +0.1
SCHO	Schefferville	72.22 1 P	P	P	14 03 47.5 -2.7
SCHO	Schefferville	72.22 1 P	P	P	14 03 47.5 -2.7
C24A	Savage	72.26 336	↑P	P	14 03 50.6 +0.1
H18A	Shohone NF, C	72.26 331	↑P	P	14 03 51.0 +0.4
D23A	Lindsay	72.28 335	↑P	P	14 03 50.9 +0.2
FLWY	Flagg Ranch	72.31 330	eP	P	14 03 50.9 -0.1
LAO	LASA Array	72.31 334	↑P	P	14 03 51.0 +0.1
K14A	Jones Ranch, D	72.41 327	↑P	P	14 03 51.7 +0.1
RLMT	Red Lodge	72.42 331	↑P	P	14 03 51.5 -0.1
F20A	Billings	72.44 332	↑P	P	14 03 51.9 +0.2
NVAR	Mina Array Bea	72.45 321	P	P	14 03 52.6 +0.6
NVAR	Mina Array Bea	72.45 321	P	P	14 03 52.6 +0.7
H17A	Grant Village	72.48 330	↑P	P	14 03 53.2 +1.2
QSPA	South Pole Qui	72.51 180	P	P	14 03 51.8 +0.1
QSPA	South Pole Qui	72.51 180	eP	P	14 03 52.1 +0.4
I16A	Neudale	72.53 329	↑P	P	14 03 52.5 +0.2
E21A	Keefer Ranch,	72.55 333	↑P	P	14 03 52.4 +0.1
J15A	Blackfoot	72.65 328	↑P	P	14 03 53.2 +0.1
D22A	Cohagen	72.66 334	↑P	P	14 03 53.5 +0.5
G18A	Lazy EL Ranch,	72.70 331	↑P	P	14 03 53.3 0.0
C23A	Lambert	72.78 335	↑P	P	14 03 54.1 +0.4
F19A	Roth Farm, Mol	72.83 332	↑P	P	14 03 54.1 0.0
D21A	La Casta Ranch	72.93 334	↑P	P	14 03 54.8 +0.2
DGMT	Dagmar	72.94 336	↑P	P	14 03 55.2 +0.6
E20A	Wells Farm, Mu	72.97 333	↑P	P	14 03 54.9 +0.1
C22A	Vida	73.01 335	↑P	P	14 03 54.8 -0.2
H16A	Russell Place,	73.03 330	↑P	P	14 03 55.8 +0.6
GCMT	Greycliff	73.11 332	eP	P	14 03 55.8 +0.1
I15A	Montevie	73.11 329	↑P	P	14 03 56.4 +0.6
J14A	Carey	73.15 328	↑P	P	14 03 56.5 +0.6
F18A	Big Timber	73.22 332	↑P	P	14 03 56.3 0.0
E19A	Rath Farm, Rou	73.23 332	↑P	P	14 03 56.6 +0.3
A24A	Westby	73.24 337	↑P	P	14 03 57.4 +1.1
B23A	Grocton	73.24 336	↑P	P	14 03 56.4 +0.1
D20A	Manuel Ranch,	73.44 333	↑P	P	14 03 57.2 -0.3
B22A	Reddig Ranch S	73.50 335	↑P	P	14 03 58.7 +0.8
J12A	Cove Ranch, Pi	73.52 327	↑P	P	14 03 58.7 +0.5
I14A	Mackay	73.55 328	↑P	P	14 03 58.8 +0.5
C21A	Desert Coulee	73.57 334	↑P	P	14 03 58.3 0.0
F17A	Fitzpatrick PJ	73.65 331	↑P	P	14 03 59.1 +0.2
G16A	Moss Hill, Enn	73.69 330	↑P	P	14 03 59.1 +0.1
HL1D	Hailey	73.78 327	↑P	P	14 03 59.8 +0.2
E18A	Harlowton	73.81 332	↑P	P	14 03 59.8 0.0
D19A	Cripps Ranch,	73.81 333	↑P	P	14 03 59.7 -0.1
C20A	Veesh Ranch,	73.86 334	↑P	P	14 03 59.1 -0.9
I13A	Wildhorse Cree	73.87 328	↑P	P	14 04 00.6 +0.5
BOZ	Bozeman (W)	73.91 330	↑P	P	14 04 00.6 +0.2
G15A	Dillon	73.97 330	↑P	P	14 04 01.0 +0.3
H14A	Leadore	74.00 329	↑P	P	14 04 01.3 +0.4
F16A	Kennard Place,	74.01 330	↑P	P	14 04 01.5 +0.6
B21A	Ellsworth Farm	74.02 335	↑P	P	14 04 01.8 +0.9
A22A	Gay Farms,	74.03 336	↑P	P	14 04 01.1 +0.2
E17A	Martinsdale	74.16 331	↑P	P	14 04 01.9 +0.1
D18A	Linhart Farms,	74.24 332	↑P	P	14 04 02.8 +0.5
I12A	Atlanta	74.31 327	↑P	P	14 04 03.1 +0.5
C19A	Slack Wire Ran	74.33 333	↑P	P	14 04 02.9 +0.2
H13A	Challis	74.40 328	↑P	P	14 04 03.3 +0.1
MF1D	Camas Ranch	74.41 327	↑P	P	14 04 03.6 +0.3
MF1D	Camas Ranch	74.41 327	eP	P	14 04 03.9 +0.6
A21A	Bergtoll Ranch	74.43 335	↑P	P	14 04 03.3 0.0
LRM	Limekiln Ridge	74.43 330	eP	P	14 04 03.5 +0.2
F15A	Butte	74.46 330	↑P	P	14 04 04.2 +0.7
G14A	Jackson				

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like INAR, ILAR, STKA, AKTO, BVAR, etc.

NEIC 22 13:56:13.3, 18:34N-66.62W, h137km, MD3.2(RSPR), After RSPR.

RSPR 22 13:56:13.3, 18:34N-66.62W, h137km, 1km, MD3.1/16, 25C-3D, Puerto Rico region

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

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

DDA 22 13:56:20.7, 37.22N-37.30E, h7km, 3km, MD2.8

ISCJB 22 13:56:21.5, 0.6, 37.21N-0.03, 37.26E-0.04, h10km, Error ellipse: s-maj=5.2km s-min=4.0km az=152.3

CSEM 22 13:56:21.6, 0.2, 37.22N-37.24E, h10km, MD2.8, Error ellipse: s-maj=5.0km s-min=4.1km az=145.0

ISK 22 13:56:21.9, 37.32N-37.27E, h5km, MD2.7

ISC 22 13:56:21.4, 0.7, 37.22N-0.04, 37.28E-0.04, h3km, 6km, n17, c060/32, Turkey

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

IDC 22 13:56:44.8, 1.4, 31.75N-70.09E, h0km, mb3.9/11, mb1 4.0/13, mb1mx3.8/33, mbtmp3.9/13, ML2/2, Error ellipse: s-maj=43.6km s-min=20.9km az=85.0

ISCJB 22 13:56:45.7, 1.8, 31.85N-70.07E, h0km, 18km, 12km, mb3.8/13, Error ellipse: s-maj=14.2km s-min=5.5km az=140.3

NEIC 22 13:56:50.2, 0.8, 31.82N-70.35E, h35km, mb4.0/3, Error ellipse: s-maj=14.8km s-min=5.1km az=48.0

NMC 22 13:56:51.6, 2.6, 32.45N-70.16E, h0km, mb3.7, Error ellipse: s-maj=61.0km s-min=22.3km az=100.0

ISC 22 13:56:46.1, 1.8, 31.80N-0.05, 70.12E-0.06, h9km, 11km, n72, c18177, mb3.8/13, 3C-8D, Pakistan

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

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

IDC 22 14:07:24.2, 1.3, 131N-126.93E, h0km, mb3.8/5, mb1 3.9/6, mb1mx3.7/19, mbtmp3.8/6, ML3.9/1, Error ellipse: s-maj=102.7km s-min=17.9km az=68.0, Northern Molucca Sea

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

ISCJB 22 14:18:29.9, 0.5, 39.95N-0.03, 39.98E-0.03, h5km, 5km, Error ellipse: s-maj=5.0km s-min=3.9km az=7.8

ISK 22 14:18:29.9, 39.98N-40.01E, h8km, MD2.8

DDA 22 14:18:30.1, 0.2, 39.95N-39.98E, h10km, MD2.9, Error ellipse: s-maj=5.1km s-min=3.8km az=179.0

ISC 22 14:18:30.5, 0.4, 39.96N-0.03, 39.98E-0.03, h7km, 5km, n28, c079/44, Turkey

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

JMA 22 14:28:11.4, 0.3, 34.41N-142.03E, h29km, 4km, M3.3

IDC 22 14:28:11.3, 1.6, 34.65N-142.09E, h0km, mb3.4/4, mb1 3.5/6, mb1mx3.4/25, mbtmp3.5/6, ML3.4/2, Error ellipse: s-maj=47.8km s-min=19.2km az=71.0

NEIC 22 14:28:16.1, 1.0, 34.71N-142.10E, h35km, MG3.3(JMA), Error ellipse: s-maj=21.9km s-min=12.6km az=71.0

ISC 22 14:28:11.5, 1.5, 34.60N-0.06, 142.02E-0.06, h5km, 6km, n26, c1903/35, mb3.3/4, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BSO1, BSO1, BSO2, etc.



Table with columns: Call sign, Frequency, Power, Mode, and other technical details. Includes stations like PKI, GUN, JIRN, RAMN, BVA0, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details. Includes stations like KECS, PSZ, VYHS, OJC, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details. Includes stations like DAVA, PGF, PGF, etc.







Table with columns: Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like Zalesovo Beam, SONGINGO Array, FINESS Array, etc.

ISC/JB 22 18:03:16.5:0.5, 67.03N:0.03:21.17E:0.09, h0km, Error ellipse: s-maj=4.8km s-min=3.7km az=10.9

CSEM 22 18:03:18.1:0.2, 67.07N:21.09E, h2km, ML2.1, Error ellipse: s-maj=6.0km s-min=3.9km az=101.0, Mining explosion.

IDC 22 18:03:18.0:0.9, 67.03N:21.14E, h0km, mb1.3, 1/4, mb1mx3.0/26, mbtmp3.1/4, ML2.5/4, Error ellipse: s-maj=18.6km s-min=8.2km az=113.0

HEL 22 18:03:18.3:0.0, 67.09N:20.97E, h0km, ML2.1, ML1.8(BER), ML2.0(NAO), Explosion

NAO 22 18:03:18.3:1.1, 67.07N:21.24E, ML2.0, BER 22 18:03:20.0:3.6, 67.10N:20.81E, h0km, ML1.8, ML2.0(NAO), Suspected explosion

ISC 22 18:03:17.9:0.4, 67.06N:0.03:21.12E:0.09, h0km, n40, c0877, Sweden

Main table for station 983, columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Lists numerous stations like LANU, HEF, KIF, etc.

IDC 22 18:06:26.5:0.5, 17.40Sx172.71W, h0km, mb4.6/17, mb1.4, 8/17, mb1mx4.8/21, mbtmp4.6/17, MS4.3/2, Ms1.4, 3/2, ms1mx3.7/14, Error ellipse: s-maj=22.5km s-min=16.5km az=144.0

BJJ 22 18:06:28.7:1.25S:171.72W, h35km, mb5.5/25, mb5.1/32, Ms5.2/21, Ms7.4/22

Main table for station 2008 DEC, columns: Station Name, Az, El, P, Res, Time, Res, ISC. Lists numerous stations like AFI, MSVF, RAR, etc.

Main table for station 22d 18h, columns: Station Name, Az, El, P, Res, Time, Res, ISC. Lists numerous stations like Z22A, I12A, HABR, etc.

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

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes entries like 428A Kincaid Ranch, N19A John Jarvie Ra, S22A 4UR Ranch, etc.

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes entries like M22A Cedar Creek Ra, R25A Fountain Ranch, G18A Lazy El Ranch, etc.

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes entries like CD2, CD2, CD2, comp=Z,10.0nm,0.8s,mb5.3, etc.

CRVS	Corvenica-Dubn	146.55 343	ePKP	PKPab	18 26 10.1 -0.6	FETA	Feichten	150.32 355	PKIKP	PKIKP	18 26 20.4 0.0	ANMO	Albuquerque	81.57 49	P	P	18 19 19.2 0.0
UZH	Uzhgorod	146.55 342	iPKP2	PKPab	18 26 10.2 -0.5	MCMT	McKenzie Canyo	82.38 38	eP	P	18 19 24.0 +0.8	CMCT	Bassoo Peak	82.98 35	eP	P	18 19 34.2 0.0
MORC	Moravsky Berou	146.67 348	ePKPbc	PKPbc	18 26 10.6 +0.7	OBKA	Obir	150.36 350	PKIKP	PKIKP	18 26 19.8 -0.7	QMT	Earthquake Lak	83.23 39	P	P	18 19 29.2 +0.8
MORC	Moravsky Berou	146.67 348	ePKP2	PKPbc	18 26 10.6 +0.6	MYKA	comp=Z,10nm,1.1s comp=Z,15nm,1.1s	150.38 351	PKPbc	PKPbc	18 26 19.4 -0.3	PD01	Pinedale Array	83.28 41	eP	P	18 19 27.6 -0.4
MORC	Moravsky Berou	146.67 348	iPKP	PKPab	18 26 11.1 0.0	ABTA	Abfaltersbach	150.42 353	PKIKP	PKIKP	18 26 19.9 -0.7	PD02	Pinedale Array	83.30 41	eP	P	18 19 28.1 +0.1
MEM	Membach	146.86 349	ePKP	PKPbc	18 26 11.2 +0.6	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
TESR		146.86 335	iPKP	PKPbc	18 26 11.2 +0.6	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
GHRH		146.91 334	iPKP	PKPbc	18 26 12.4 +1.6	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
TRPA	Tarpa	146.93 341	iPKP	PKPbc	18 26 11.4 +0.9	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
PRU	Pruhonice	146.97 352	ePKP2	PKPab	18 26 11.4 -0.9	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
PRU	Pruhonice	146.97 352	ePKP	PKPab	18 26 11.7 +5.4	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
PRU			ex	PKPab	18 26 12.6 +0.3	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
NKC	Novy Kostel	146.98 354	ePKP2	PKPab	18 26 12.6 +0.3	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
NKC	Novy Kostel	146.98 354	ePKP	PKPab	18 26 12.6 +0.3	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
NKC			ex	PKPab	18 26 12.6 +0.3	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
TLCR		146.99 332	iPKP2	PKPbc	18 26 12.2 -0.3	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
TLCR		146.99 332	iPKP	PKPbc	18 26 12.2 -0.3	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
KECS	Kecevo	147.19 344	ePKP2	PKPab	18 26 12.4 -0.8	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
KECS	Kecevo	147.19 344	ePKP	PKPab	18 26 12.4 -0.8	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
KECS			e	PKPab	18 26 12.4 -0.8	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
VRAC	Vranov	147.30 349	iPKP2	PKPab	18 26 13.5 -0.1	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
VRAC	Vranov	147.30 349	iPKP	PKPab	18 26 13.5 -0.1	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
GIVF	Givet	147.30 3 3	ePKP1	PKPbc	18 26 12.1 +0.3	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
GIVF	Givet	147.30 3 3	ePKP	PKPbc	18 26 12.1 +0.3	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
GIVF	Givet	147.30 3 3	ePKP2	PKPab	18 26 12.1 +0.3	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
GIVF	Givet	147.30 3 3	ePKP1	PKPbc	18 26 12.2 +0.4	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
BAIF	Baives	147.31 4	eP	PKPbc	18 26 12.2 +0.4	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
BAIF	Baives	147.31 4	ePKP2	PKPbc	18 26 12.2 +0.4	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
VRI	Vrincioiaia	147.35 335	iPKP2	PKPab	18 26 13.1 +1.0	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
VRI	Vrincioiaia	147.35 335	iPKP	PKPbc	18 26 13.1 +1.0	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
TREC	Trest	147.50 350	ePKP2	PKPbc	18 26 13.3 +0.9	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
TREC	Trest	147.50 350	ePKP	PKPbc	18 26 13.3 +0.9	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
VYHS	Vyhne	147.60 346	ePKP2	PKPbc	18 26 13.0 +0.4	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
VYHS	Vyhne	147.60 346	ePKP	PKPbc	18 26 13.0 +0.4	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
KOLL	Kolacno	147.62 346	ePKP2	PKPab	18 26 13.4 -0.6	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
KOLL	Kolacno	147.62 346	ePKP	PKPab	18 26 13.4 -0.6	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
GRF	Grafenberg Arr	147.63 355	ePKP2	PKPbc	18 26 13.9 +0.6	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
GRF	Grafenberg Arr	147.63 355	ePKP	PKPbc	18 26 13.9 +0.6	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
TIRR	Tirgusor	147.73 331	iPKP2	PKPbc	18 26 13.8 +0.7	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
TIRR	Tirgusor	147.73 331	iPKP	PKPbc	18 26 13.8 +0.7	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
WLF	Walferdange	147.79 1	ePKP	PKPbc	18 26 14.4 +1.3	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
DOPR	Dopca	147.80 336	iPKP	PKPbc	18 26 15.3 +2.0	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
PSZ	Piszkesteto	147.87 344	ePKPbc	PKPbc	18 26 14.0 +0.6	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
PSZ	Piszkesteto	147.87 344	ePKP2	PKPbc	18 26 14.6 +1.2	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
PSZ	Piszkesteto	147.87 344	ePKP	PKPbc	18 26 14.6 +1.2	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
PSZ	Piszkesteto	147.87 344	ePKP	PKPbc	18 26 14.6 +1.2	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
SMOL	Smolenice	147.89 347	ePKP2	PKPab	18 26 15.4 -0.6	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
SMOL	Smolenice	147.89 347	ePKP	PKPab	18 26 15.4 -0.6	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
KHC	Kasperske Hory	147.94 352	ePKPbc	PKPbc	18 26 14.4 +0.9	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
KHC	Kasperske Hory	147.94 352	ePKP2	PKPbc	18 26 14.4 +0.9	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
KHC	Kasperske Hory	147.94 352	ePKP	PKPbc	18 26 14.4 +0.9	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
KHC	Kasperske Hory	147.94 352	ePKP	PKPbc	18 26 14.4 +0.9	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
KHC	Kasperske Hory	147.94 352	ePKP	PKPbc	18 26 14.4 +0.9	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
MLR	Muntele Rosu	147.98 335	ePKPbc	PKPbc	18 26 14.6 +0.8	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
MLR	Muntele Rosu	147.98 335	ePKP	PKPbc	18 26 14.6 +0.8	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
MLR	Muntele Rosu	147.98 335	ePKP2	PKPbc	18 26 14.6 +0.8	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
MLR	Muntele Rosu	147.98 335	ePKP	PKPbc	18 26 14.6 +0.8	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
DRGR		148.06 340	iPKP2	PKPbc	18 26 14.0 +0.7	AVF	Avril sur Loir	150.50	ePKP1	PKPbc	18 26 20.2 +0.2	PDAR	Pinedale Array	83.30 41	eP	P	18 19 27.6 -0.4
DRGR		148.06 340	iPKP	PKPbc	18 26 14.0 +0.7	AVF	Avril sur Loir										



22d 23h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like GTOI, LBMI, MRSI, etc.

NIED 22:18:55.00,38.60N,143.30E,h14km,Mw3.6 Best double... JMA 22:18:55.14,0.0,2.38,55N,143.30E,h32km,M3.5, Off east coast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like OFUJ, JIO, MIYJ, etc.

ISCJB 22:19:44.44,3.1,7.21,9N,0.4,94.8E,0.5,h100km,16km, mb3.5/5, Error ellipse: s-maj=100.5km s-min=11.6km az=141.5

IDC 22:19:44.45,0.4,0.21,83N,94.73E,h89km,38km,mb3.2/5, mb1.3/6,mb1mx3.0/26,mbtmp3.2/6, Error ellipse: s-maj=64.6km s-min=16.7km az=59.0

ISC 22:19:44.45,8.1,6.21,9N,0.4,94.8E,0.5,h95km,15km,n7, o126/8,mb3.5/5, Myanmar

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SHL, CMAR, MKAR, etc.

IDC 22:19:57.39,0.38,0,30,49S,175.73W,h0km,mb3.6/3, mb1.3/8,mb1mx3.6/16,mbtmp3.6/3, Error ellipse: s-maj=705.1km s-min=179.8km az=99.0, Kermadec Islands region

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

GUC 22:20:16:42.2,0.8,32,48S,71.99W,h15km,7km,MD3.5, ML3.1,2C-3D, Near coast of central Chile

IDC 22:20:29:16,7.1,1.0,3,98N,92.70W,h0km,mb3.9/5, mb1.4/8,mb1mx3.9/24,mbtmp4.0/8,ML4.2/3,MS3.2/2, Ms1.3/2,ms1mx2.7/39, Error ellipse: s-maj=42.9km s-min=19.2km az=72.0

ISCJB 22:20:29:20,7.1,1.4,27N,0.05,92.95W,0.0,3,h27km,8km, mb4.0/6, Error ellipse: s-maj=8.6km s-min=3.6km az=15.7 CASC 22:20:29:20,1.1,5.14,50N,92.94W,h89km,26km,MD4.2

2008 DEC

mb4.2(NEIC) MEX 22:20:29:24.2,1.1,14,26N,92.94W,h23km,30km,MD4.4 NEIC 22:20:29:24.5,14,27N,92.95W,h22km,mb4.2/1, MD4.4(MEX), After MEX, ISC 22:20:29:21.8,1.1,14,29N,0.05,92.90W,0.03,h20km,8km, n5,0,107/71,mb4.0/6, Near coast of Chiapas

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

ISCJB 22:22:32:40,3.1,3,37,88N,0.04,36,08E,0.10,h10km, Error ellipse: s-maj=11.3km s-min=6.4km az=7.2 DDA 22:22:32:43,4,37,60N,36,14E,h7km,7m,MD3.1 ISC 22:22:32:41,3,1,2,37,81N,0.06,36,10E,0.09,h10km,n6, o1946/10, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CMIG, JTS, TXAR, etc.

IDC 22:23:08:56,2.1,0.31,67N,104.34E,h0km,mb3.7/8, mb1.3/8,mb1mx3.6/28,mbtmp3.7/9,ML3.1/1, Error ellipse: s-maj=37.4km s-min=18.6km az=59.0 NEIC 22:23:08:57,9.0,4,31,64N,104,30E,h10km,mb4.0/3, Error ellipse: s-maj=1.4km s-min=6.1km az=212.0

BUI 22:23:08:58,3,31,55N,104,36E,h13km,ML3.5/12 ISC 22:23:08:58,5,1,1,31,52N,104,36E,h10km,mb3.5/8, n28, o580/36,mb3.7/10, Sichuan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like JTS, TXAR, PDAR, etc.

IDC 22:20:57:21,5,16.0,22,08S,170,23W,h0km,mb3.7/3, mb1.4/0,3,mb1mx3.7/19,mbtmp3.7/3, Error ellipse: s-maj=422.4km s-min=60.9km az=121.0, Tonga Islands region

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

ISCJB 22:21:19:53,3,0,6,28,18N,0.08,84,23E,0.07,h10km, mb3.7/8, Error ellipse: s-maj=13.3km s-min=6.2km az=28.7

IDC 22:21:19:53,4,1,5,28,14N,84,23E,h0km,mb3.7/8, mb1.4/0,9,mb1mx3.7/27,mbtmp3.8/9,ML4.0/1, Error ellipse: s-maj=51.3km s-min=18.5km az=64.0

NEIC 22:21:19:55,0,5,28,18N,84,23E,h10km,mb3.5/6, Error ellipse: s-maj=12.6km s-min=5.5km az=222.0 ISC 22:21:19:55,0,6,28,26N,0.08,84,28E,0.05,h10km,n34, o584/38,mb3.7/8, Nepal

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LSA, SHL, CHCP, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KURK, ZAAO, ZALV, etc.

ISCJB 22:22:32:40,3.1,3,37,88N,0.04,36,08E,0.10,h10km, Error ellipse: s-maj=11.3km s-min=6.4km az=7.2 DDA 22:22:32:43,4,37,60N,36,14E,h7km,7m,MD3.1 ISC 22:22:32:41,3,1,2,37,81N,0.06,36,10E,0.09,h10km,n6, o1946/10, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KOZT, KMRS, SAR1, etc.

TRN 22:22:45:21,7,18,56N,63,86W,h17km,MD3.3(RSPR) RSPR 22:22:45:22,6,18,85N,63,74W,h7km,14km,MD3.3/3,4C-2D, Leeward Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ABV, SVTI, MTP, etc.

IDC 22:23:08:56,2.1,0.31,67N,104.34E,h0km,mb3.7/8, mb1.3/8,mb1mx3.6/28,mbtmp3.7/9,ML3.1/1, Error ellipse: s-maj=37.4km s-min=18.6km az=59.0

BUI 22:23:08:58,3,31,55N,104,36E,h13km,ML3.5/12 ISC 22:23:08:58,5,1,1,31,52N,104,36E,h10km,mb3.5/8, n28, o580/36,mb3.7/10, Sichuan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CD2, LZH, XAN, etc.

ENH 22:23:08:56,2.1,0.31,67N,104.34E,h0km,mb3.7/8, mb1.3/8,mb1mx3.6/28,mbtmp3.7/9,ML3.1/1, Error ellipse: s-maj=37.4km s-min=18.6km az=59.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ENH, SONM, KRSR, etc.

ISCJB 22:23:48:9,0.2,44,49N,0.01,105,54W,0.02,h0km, Error ellipse: s-maj=2.0km s-min=1.6km az=0.6

NEIC 22:23:48:9,7,0,6,44,50N,105,44W,h0km,ML2.8, Error ellipse: s-maj=8.4km s-min=6.4km az=209.0, Suspected Mining explosion.

NEIC 25 km [15 miles] NNE of Gillette, ISC 22:23:48:9,0.2,44,49N,0.01,105,54W,0.02,h0km,n78, o111/133,38C-42D, Wyoming

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like H23A, I23A, H22A, etc.



H24A	Dirks Ranch, A baz=0.8	0.75	70	↑P	Pg	23 25 02.6	-0.7	
G22A	Birney baz=0.9, SNR=8.3	0.90	324	↑P	Pg	23 25 05.8	-0.4	
I22A	9 Mile Ranch, baz=0.9	0.91	229	↑P	Pg	23 25 05.9	-0.4	
I22A	baz=0.9			↓S	Sg	23 25 17.7	-0.3	
H21A	Big Horn, Sher baz=1.1	1.08	278	↑P	Pg	23 25 09.2	-0.5	
H21A	baz=1.1			↓S	Sg	23 25 24.6	+0.9	
J23A	Ditts Ranch, B baz=1.1	1.09	180	↑P	Pg	23 25 09.2	-0.6	
J23A	baz=1.1			↑S	Sg	23 25 24.7	+0.8	
RSD	Black Hills	1.14	108	eP	Sg	23 25 09.5	-1.3	
RSD	Alzada	1.16	43	eP	Pg	23 25 26.6	+1.0	
G24A	baz=1.2, SNR=13	1.16	43	4	↓P	Pg	23 25 10.1	-1.0
F23A	Volborg baz=1.3, SNR=44	1.23	4	↓P	Pg	23 25 11.4	-1.1	
F23A	baz=1.3			↓S	Sg	23 25 29.4	+0.9	
J22A	Midwest baz=1.3	1.27	212	↓P	Pg	23 25 12.0	-1.3	
J22A	baz=1.3			↓S	Sg	23 25 29.1	-0.7	
J24A	Dixon Ranch, L baz=1.3	1.32	151	↑P	Pg	23 25 13.2	-1.1	
F22A	Rosebud baz=1.4, SNR=44	1.38	339	↑P	Pg	23 25 14.2	-1.2	
F22A	baz=1.4			↑S	Sg	23 25 33.6	+0.2	
G21A	Lodge Grass baz=1.4, SNR=16	1.39	302	↓P	Pn	23 25 14.7	-0.9	
G21A	baz=1.4			↓Sg	Sg	23 25 34.8	+1.1	
I21A	Big Trails, Te baz=1.4	1.43	242	↓P	Pn	23 25 14.9	-1.2	
I21A	baz=1.4			↓S	Sg	23 25 34.6	-0.3	
F24A	Ekalaka baz=1.6, SNR=28	1.56	29	↑P	Pn	23 25 17.1	-0.8	
F24A	baz=1.6			↑S	Sn	23 25 38.2	-0.5	
K23A	Bowen Ranch, D baz=1.7	1.74	182	↑Pb	Pb	23 25 20.2	-1.4	
K23A	baz=1.7			↑Sg	Sg	23 25 45.2	+0.5	
F21A	Abaloka Mine, baz=1.8, SNR=6.4	1.74	320	↑P	Pn	23 25 19.9	-0.4	
F21A	baz=1.8			↑S	Sn	23 25 42.7	-0.5	
H20A	Greybull baz=1.8	1.76	271	↑P	Pn	23 25 19.8	-0.8	
H20A	baz=1.8			↑Sb	Sb	23 25 44.4	-0.3	
J21A	Lysite baz=1.8	1.79	231	↑Pb	Pb	23 25 21.1	-1.4	
J21A	baz=1.8			↑Sb	Sb	23 25 45.1	-0.5	
K24A	Anderson Ranch baz=1.8	1.84	163	↑Pb	Pb	23 25 22.1	-1.4	
K24A	baz=1.8			↑Sb	Sb	23 25 46.5	-0.6	
I20A	Worland baz=1.9	1.94	255	↑Pb	Pb	23 25 23.2	-1.9	
I20A	baz=1.9			↑Sb	Sb	23 25 48.9	-0.9	
E22A	Miles City baz=2.0, SNR=7.3	1.97	352	↑P	Pn	23 25 23.1	-0.4	
K22A	Casper baz=2.0	1.97	202	↑Pb	Pb	23 25 23.9	-1.8	
K22A	baz=2.0			↑Sb	Sb	23 25 50.4	-0.4	
E23A	Ismay baz=2.0, SNR=13	2.01	5	↑P	Pn	23 25 23.3	-0.8	
E23A	baz=2.0			↑Sb	Sb	23 25 52.0	0.0	
G20A	Bridger baz=2.0	2.04	292	↑P	Pn	23 25 23.3	-1.1	
G20A	baz=2.0			↑Sb	Sb	23 25 52.5	-0.1	
J20A	Shoshoni baz=2.1	2.16	239	↑Pb	Pb	23 25 27.5	-1.4	
J20A	baz=2.1			↑Sb	Sb	23 25 56.2	0.0	
K21A	Alcova baz=2.2	2.24	214	↑Pb	Pb	23 25 28.1	-2.0	
K21A	baz=2.2			↑Sb	Sb	23 25 58.3	0.0	
K25A	Mack Ranch, Ha baz=2.2	2.24	147	↑Pb	Pb	23 25 29.1	-1.1	
K25A	baz=2.2			↑Sb	Sb	23 25 58.3	0.0	
E24A	Baker baz=2.3	2.24	22	↓P	Pn	23 25 27.0	-0.3	
E24A	baz=2.3			↓Sb	Sb	23 25 58.5	-0.1	
LAO	LASA Array baz=2.3	2.25	348	↑Sb	Sb	23 25 58.3	-0.5	
LAO	LASA Array	2.25	348	ePn	Pn	23 25 27.1	-0.2	
LAO	baz=2.3			eSn	Sn	23 25 58.6	+2.2	
F20A	Billings baz=2.3	2.26	306	↑P	Pn	23 25 26.4	-1.2	
F20A	baz=2.3			↓Sb	Sb	23 25 59.0	-0.1	
E21A	Keefler Ranch, baz=2.3	2.32	333	↑P	Pn	23 25 28.3	+0.1	
E21A	baz=2.3			↑Sb	Sb	23 26 00.7	-0.5	
L23A	Garrett baz=2.4	2.38	183	↑P	Pn	23 25 28.7	-0.4	
L23A	baz=2.4			↑Sb	Sb	23 26 01.9	-0.6	
H19A	Powell baz=2.5	2.47	275	↓Sb	Sb	23 26 04.4	-0.7	
H19A	Meetetsee baz=2.5	2.52	261	↓Sb	Sb	23 26 06.2	-0.4	
L25A	Engelbretsen Ra baz=2.6	2.60	153	↓Pb	Pb	23 25 35.2	-1.2	
L25A	baz=2.6			↓Sb	Sb	23 26 09.1	+0.2	
D23A	Lindsay baz=2.7	2.69	5	↓P	Pn	23 25 33.1	-0.3	
RLMT	Red Lodge baz=2.7	2.73	285	↑P	Pn	23 25 33.5	-0.4	
RLMT	Red Lodge	2.73	285	ePn	Pn	23 25 33.9	0.0	
RLMT	Yellowstone Ra baz=2.7	2.74	229	↓Sb	Sb	23 26 13.6	+6.0	
D24A	Glendive baz=2.8	2.76	17	↓P	Pn	23 25 34.6	+0.2	
F19A	Roth Farm, Mol baz=2.8, SNR=7.0	2.77	301	↑P	Pn	23 25 34.1	-0.3	
J19A	Crowheart baz=2.8	2.82	245	↑P	Pn	23 25 35.7	+0.5	
J19A	baz=2.8			↑Sb	Sb	23 26 14.7	-0.5	
K19A	Absolon Red Bu baz=2.9	2.92	236	↓Sb	Sb	23 26 17.3	-0.8	
H18A	Shoshone NF, C baz=2.9	2.95	275	↑P	Pn	23 25 36.4	-0.6	
G18A	Lazy LF Ranch, baz=3.0, SNR=44	2.98	288	↑P	Pn	23 25 37.1	-0.3	
RWWY	Rawlins	3.06	204	ePn	Pn	23 25 40.1	+1.7	
RWWY	baz=3.0			eSn	Sn	23 26 20.6	+4.9	
M21A	Separation Pea baz=3.2	3.18	205	↑P	Pn	23 25 41.3	+1.2	
M22A	Cedar Creek Ra baz=3.2	3.18	194	↑P	Pn	23 25 41.8	+1.7	
PHWY	Pilot Hill	3.19	179	ePn	Pn	23 25 40.6	+0.3	
PHWY	baz=3.2			eSn	Sn	23 26 20.2	+1.2	
GCMT	Greycliff	3.20	295	ePn	Pn	23 25 41.1	+0.8	
GCMT	baz=3.2			ePn	Pn	23 25 48.4	+1.7	
GCMT	baz=3.2			eSn	Sn	23 26 25.2	+6.0	
GCMT	baz=3.2			eSg	Sg	23 26 38.1	+6.5	
C22A	Vida baz=3.3, SNR=11	3.26	356	↑P	Pn	23 25 42.1	+0.8	
F18A	Big Timber baz=3.3	3.27	297	↑P	Pn	23 25 41.3	-0.1	
C23A	Lambert baz=3.3	3.32	4	↓P	Pn	23 25 42.7	+0.6	
PD02	Pinedale Array	3.39	241	ePn	Pn	23 25 46.1	+3.1	
PD01	baz=3.3			eSn	Sn	23 26 30.9	+7.1	
PD02	Pinedale Array	3.40	241	ePn	Pn	23 25 45.2	+2.1	

PD01	Yal'??k??y-??at	1.99	57	ePn	Pn	23 21 25.3	+0.9
YNR	Norris Junctio	3.68	275	eSn	Pn	23 25 48.9	+1.9
YNR	baz=3.3			ePn	Pn	23 26 37.3	+6.3
FLWY	Flagg Ranch	3.73	266	ePn	Pn	23 25 48.0	+0.3
FLWY	baz=3.3			eSn	Pn	23 25 48.0	+8.6
LOHW	Long Hollow	3.75	258	ePn	Pn	23 25 52.7	+2.6
LOHW	baz=3.3			eSn	Pn	23 26 39.9	+6.9
MOOW	Moose Ponds	3.82	261	ePn	Pn	23 25 52.3	+3.3
REDW	Red Top Meadow	4.00	255	ePn	Pg	23 25 54.5	+3.1
REDW	baz=3.3			ePn	Pg	23 26 05.9	+0.3
REDW	baz=3.3			eSn	Pn	23 26 45.5	+6.5
TPAW	Teton Pass	4.03	258	ePn	Pn	23 25 52.7	+2.0
TPAW	baz=3.3			eSn	Pn	23 26 42.9	+3.1
DGMT	Dagmar	4.09	13	ePn	Pg	23 25 55.2	+2.7
DGMT	baz=3.3			ePn	Pg	23 26 05.4	-1.8
DGMT	baz=3.3			eSg	Sg	23 26 59.7	-0.4
DLMT	Earthquake Lak	4.22	277	eSn	Pn	23 25 56.1	+1.9
DLMT	baz=3.3			eSn	Pn	23 25 52.7	+7.0
RR12	Red Ridge	4.33	257	ePn	Pn	23 25 57.3	+1.3
RR12	baz=3.3			eSn	Pn	23 26 53.8	+6.7
OGNE	Ogallala	4.39	143	ePn	Pn	23 25 57.6	+0.9
OGNE	baz=3.3			eSn	Pn	23 26 52.0	+3.5
BOZ	Bozeman (W)	4.47	287	ePn	Pn	23 25 57.7	+1.9
BOZ	baz=3.3			eSn	Pn	23 26 57.0	+6.5
EGMT	Eagleton	4.58	322	ePn	Pn	23 26 04.0	+4.5
EGMT	baz=3.3			eSn	Pn	23 26 58.0	+4.6
ISCO	Idaho Springs	4.69	181	ePn	Pn	23 26 01.8	+0.9
ISCO	baz=3.3			eSn	Pn	23 26 57.0	+1.0
HRH	Holter Researc	4.94	299	ePn	Pn	23 25 57.0	+3.3
HRH	14nm,0.7s						
DLMT	Dillon	5.09	282	ePn	Pn	23 27 00.8	-1.3
DLMT	4.5nm,0.8s					23 26 09.5	+3.2
MCMT	McKenzie Canyo	5.22	276	ePn	Pn	23 26 11.0	+2.8
MCMT	1.3nm,0.8s						
DAU	Daniels Canyon	5.87	228	ePn	Pn	23 26 20.2	+3.1
DAU	8.9nm,0.8s						
AGMN	Agassiz Nation	7.70	57	Pn	Pn	23 26 42.5	+0.3
AGMN	4.9nm,0.6s						
AGMN	baz=3.3			eS	Sg	23 28 52.3	-3.6
WMOK	Wichita Mounta	11.04	150	ePn	Pn	23 27 29.6	+1.5
WMOK	11nm,0.9s						

ISCJB 22 23:39:50.1±1.6, 38:07N±0.03;71.42E±0.07, h4km±12km, mb3.8/6, Error ellipse: s-maj=8.9km s-min=5.5km az=164.0

IDC 22 23:39:50.6±1.3, 37:98N±71.49E, h0km, mb3.8/5, mb1.3/8.0, mb1mx3.6/30, mbtmp3.7/10, ML3.5/5, Error ellipse: s-maj=2.0km s-min=2.0km az=121.0

NNC 22 23:39:55.0±3.4, 38:39N±70.95E, h0km, mb3.8, mpv3.7, Error ellipse: s-maj=29.3km s-min=24.4km az=59.0

NEIC 22 23:39:55.4±2.1, 38:11N±71.51E, h32km±17km, mb4.1/7, Error ellipse: s-maj=10.4km s-min=4.2km az=64.0

ISC 22 23:39:51.0±1.6, 38:05N±0.03;71.33E±0.06, h1km±13km, mb3.8/125/74, mb3.8/6, 4C-3D, Afghanistan-Tajikistan border region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
GELI	Tayfur-Gelibol	0.31	91	ePn	23 30 56.0	-0.4
GELI	baz=1.8			eSg	23 31 00.0	-0.4
GELI	Tayfur-Gelibol	0.31	91	ePn	23 31 00.0	-0.4
GELI	baz=1.8			eSg	23 31 00.0	-0.4
ENEZ	Enez	0.34	10	ePn	23 30 57.4	+0.4
ENEZ	baz=1.9			eSg	23 31 02.5	+1.0
ENEZ	Enez	0.34	10	ePn	23 30 57.4	+0.4
ENEZ	baz=1.9			eSg	23 31 02.5	+1.0
ERIK	Erikli-Kesan	0.43	51	eSg	23 31 07.2	+0.7
ERIK	Erikli-Kesan	0.43	51	ePn	23 31 04.5	+0.2
ERIK	Erikli-Kesan	0.43	51	ePn	23 30 58.7	0.0
ERIK	Erikli-Kesan	0.43	51	eSg	23 31 04.5	+0.1
ALN	Alexandroupoli	0.49	358	P	23 31 00.0	0.0
ALN	Alexandroupoli	0.49	358	P	23 31 07.2	+0.7
ALN	Alexandroupoli	0.49	358	P	23 31 00.0	0.0
ALN	Alexandroupoli	0.49	358	P	23 31 07.2	+0.7
LPK	Lapseki	0.53	93	ePn	23 30 59.5	-1.0
LPK	Lapseki	0.53	93	ePn	23 30 59.6	-0.9
BOZC	Bozcaada	0.56	182	iP	23 31 01.2	+0.1
BOZC	baz=1.8			iS	23 31 07.2	+0.7
EZN	Ezine	0.61	161	ePn	23 31 02.5	+0.5
EZN	Ezine	0.61	161	ePn	23 31 02.5	+0.4
RDO	Rodhopi	0.85	331	ePb	23 31 06.4	-0.3
RDO	Rodhopi	0.85	331	eSb	23 31 17.5	-0.2
RDO	Rodhopi	0.85	331	P	23 31 06.4	-0.3
RDO	Rodhopi	0.85	331	S	23 31 09.7	+2.0
RDO	Rodhopi	0.85	331	ePb	23 31 06.4	-0.3
RDO	Rodhopi	0.85	331	eSb	23 31 17.5	-0.2
RDO	Rodhopi	0.85	331	eSb	23 31 17.5	-0.2
RDO	Rodhopi	0.85				

23d Oh

Table with columns: TAPN, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like TAPN Tapejung, ZAAO Zalesovo Array, ZALV Zalesovo Beam, etc.

ISCJB 22:52:57.5±1.1, 15:45:0.1±177.8W±0.1, h460km±11km, mb3.7/9, Error ellipse: s-maj=20.2km s-min=13.6km

NEIC 22:52:57.7±0.8, 15:41:5.177.78W, h448km±8km, mb3.3/2, Error ellipse: s-maj=12.6km s-min=8.6km az=124.0

IDC 22:52:59.2±1.0, 15:38:5.177.81W, h463km±131km, mb3.4/7, mb1.3, 7.7, mb1mx3.4/17, mbtmp3.4/7, Error ellipse: s-maj=84.7km s-min=31.5km az=154.0

ISC 22:52:58.3±1.0, 15:45:0.1±177.8W±0.1, h454km±11km, n26, c0562/25, mb3.7/9, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like MSVF Nonsavu, FUNA Funafuti, HNR Honiara, etc.

IDC 22:54:10.0±8.0, 16:56N-95°56'W, h0km, mb3.5/4, mb1.4/0.4, mb1mx3.7/17, mbtmp3.5/4, Error ellipse: s-maj=290.3km s-min=146.5km az=82.0, Galapagos Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like TXAR Lajitas Array, NVAR Mina Array, PDAR Pinedale Array, etc.

NIED 23:00:04:00, 22°80'N, 120°50'E, h32km, Mw5.1 Best double couple: M1=0.90000°/101° N1=196.00000°, 376.00000°, 1.147.00000° N2=294.00000°, 859.00000°, 116.00000°

IDC 23:00:04:00.0±0.4, 22°31'N, 120°72'E, h0km, mb4.7/27, mb1.4, 8.2/9, mb1mx4.8/31, mbtmp4.7/29, ML4.3/2, MS4.4/15, Ms1.4, 4/15, ms1mx4.2/34, Error ellipse: s-maj=14.5km s-min=9.2km az=72.0

BJJ 23:00:04:43.5, 23°02'N, 120°50'E, h17km, mb5.0/37, mb4.8/51, ML5.2/6, Ms5.1/55, Ms7.4/9/54

TAP 23:00:04:43.8, 22°55'N, 120°55'E, h17km, ML5.3/7, MOS 23:00:04:44.3±0.9, 22°90'N, 120°71'E, h33km, mb5.4/56, MS4.7/12, Error ellipse: s-maj=7.6km s-min=4.6km az=115.0

ISCJB 23:00:04:44.3±0.2, 22°89'N±0.1, 120°54'E±0.1, h29km±1km, mb5.2/154, MS4.7/32, Error ellipse: s-maj=2.1km s-min=1.9km az=29.9

GCMT 23:00:04:44.8±0.3, 22°85'N, 120°42'E, h24km±1km, Mw5.1, Moment Tensor Solution: m45, c53, s3, c3; Moment tensor: Scale 1019Nm; Mr3.62±.22; Mw=0.31±.12; Mw=3.31±.14; Mo=0.60±.15; Mo=1.66±.07; Mr=2.97±.18; Best double couple: M1=4.90000°/101° N1=327.00000°, 827.00000°, 174.00000° N2=164.00000°, 664.00000°, 198.00000° Principal axes: T 4.7200, Plg70.0000°, Azm91.0000°; N 0.3500, Plg7.0000°, Azm341.0000°; S -5.0600, Plg19.0000°, Azm248.0000°; Data Used: II IU IC GN Surface waves: sta= 78, comp=111, per= 50.

JMA 23:00:04:44.4±0.3, 22°79'N, 120°53'E, h87km, M5.4

NEIC 23:00:04:45.6, 22°55'N, 120°57'E, h11km, mb5.4/75, ML5.6(TAP), Mw4.9(USGS) 4ft at TAP

NEIC Felt [1] at Kao-hsiung and [II] at Tai-nan. Also felt at Chang-hua, Chu-pei, Heng-chun, Hsin-chu, Ping-tung and Tai-chung. Recorded [4 TAP] in Chia-i, Kao-hsiung and Ping-tung; [3 TAP] in Tai-nan and Tai-tung; [2 TAP] in Chang-hua; [1 TAP] in Hua-lien and Peng-hu.

DJA 23:00:04:51, 23°07'N, 120°83'E, h91km, mb5.5/29

ISC 23:00:04:44.7±0.2, 22°92'N±0.1, 120°55'E±0.1, h19km±1km, h26km±2.1km, p-P, n634, c19/9/678, mb5.2/155, MS4.7/32, 61C-39D, Taiwan

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like TWM1 Shoushan, SGST Jiashan, SGST Sandimen, etc.

2008 DEC

Main table with columns: TWP, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like TWP Ta-pu, KAU Kaohsiung, SCLT Jiali, etc.

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Table with columns: TWE, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like TWE Neicheng, NCU National Central, ILA Ilan, etc.

DL2	comp=E,2um,14.1s	LR	LR		
CTBH	comp=Z,2um,13.4s				
KMI	comp=Z,2um,13.4s	16.01 167	P	Pn	00 08 32.1 +3.3
KMI	Kunning	16.42 281	P	Pn	00 08 35.6 +1.5
KMI			sP	S	00 08 49.5 +4.8
KMI			S	S	00 11 38.1 +2.2
KMI			SS	SS	00 11 58.0
KMI	comp=Z,16nm,1.0s				
KMI	comp=Z,250nm,3.2s				
KMI	comp=N,2um,10.9s				
KMI	comp=E,5um,13.6s				
KMI	comp=Z,6um,13.5s				
DAV	Davaco City (W)	16.48 162	LR	LR	00 15 03.1
CD2	comp=Z,2um,21.2s,baz=342,slow=36				
CD2	Chengdu	16.95 302	J/P	Pn	00 08 41.6 +0.9
CD2			pP	S	00 08 46.3 -1.7
CD2			sP	S	00 08 50.0 -0.2
CD2			S	S	00 08 56.3
CD2			SS	SS	00 11 49.1 +0.5
CD2			SS	SS	00 11 58.8 -8.4
CD2			SS	SS	00 12 09.9
CD2	comp=Z,100nm,1.2s				
CD2	comp=Z,270nm,6.0s				
CD2	comp=N,5um,13.2s				
CD2	comp=E,5um,13.2s				
CD2					
KKM	comp=Z,8um,13.2s	17.29 195	eP	Pn	00 08 47.6 +2.5
KKM	Kota Kinabalu				
KKM	comp=Z,72nm,1.1s	17.29 195	P	Pn	00 08 49.8 +4.7
KKM	Kota Kinabalu				
KKM	comp=Z,874nm,comp=Z,68nm,1.1s	17.45 349	ePn	Pn	00 08 49.1 +2.2
BJT	Baijiatuu	17.45 349	ePn	Pn	00 08 49.1 +2.2
BJT	comp=Z,133nm,1.3s				
BJT	Baijiatuu	17.45 349	eP	Pn	00 08 49.1 +2.2
BJT					
BJI	comp=Z,133nm,1.3s				
BJI	Beijing	17.47 349	P	S	00 08 49.1 +1.9
BJI			LR	LR	00 12 06.6 +5.5
BJI	comp=N,3um,14.1s				
BJI	comp=E,1um,13.1s				
BJI	comp=Z,1um,18.3s				
MYLDM	Lahad Datu	17.75 187	P	Pn	00 08 54.1 +3.3
SNY	comp=Z,2um,comp=Z,134nm,1.3s				
SNY	Shenyang	19.02 7	J/P	Pn	00 09 04.3 -1.9
SNY	comp=Z,40nm,2.5s				
SNY	comp=Z,170nm,3.9s				
SNY	comp=N,1um,14.9s				
SNY	comp=E,4um,13.5s				
SNY	comp=Z,3um,13.7s				
JGF	Kuroka	19.32 45	P	Pn	00 09 08.5 -1.3
HHC	Hu-ho-hao-te	19.42 339	eP	Pn	00 09 12.3 +1.4
HHC			pP	S	00 09 16.5 +1.3
HHC			sP	S	00 09 19.5 +1.8
HHC			eP	S	00 09 30.4
HHC			S	S	00 12 47.6 -0.6
HHC			sS	sS	00 12 54.6 -2.3
HHC			PcP	PcP	00 13 31.3 +0.5
HHC			pmax	pmax	
HHC	comp=Z,17nm,0.9s				
HHC	comp=Z,580nm,7.9s				
HHC	comp=N,4um,13.9s				
HHC	comp=E,3um,13.9s				
HHC	comp=Z,3um,13.9s				
LZH	Lanzhou	19.55 316	eP	Pn	00 09 12.6 +0.1
LZH			pP	S	00 09 14.3 -2.4
LZH			sP	S	00 09 16.8 -2.4
LZH			SS	SS	00 09 33.4
LZH			eS	S	00 12 46.3 -5.1
LZH			SS	SS	00 12 52.3 -7.6
LZH			SS	SS	00 13 13.6
LZH	comp=Z,67nm,1.0s				
LZH	comp=Z,810nm,6.2s				
LZH	comp=N,3um,9.8s				
LZH	comp=E,570nm,5.2s				
CHRT	Chiangrai	19.57 265	P	Pn	00 09 12.0 -0.9
SHZ3	Shizuoka 3	19.59 48	P	Pn	00 09 13.3 +0.3
JGN	Niukaw	19.67 44	P	Pn	00 09 11.7 -2.3
SGSI	Sanghie	19.72 165	P	Pn	00 09 15.3 +0.6
BTO	Baotou	19.75 336	eP	Pn	00 09 16.8 +1.9
JJZS	Izushima	19.87 50	P	Pn	00 09 16.3 0.0
JNT	Takato	20.00 46	P	Pn	00 09 15.5 -2.4
CBJ	Chichi jima	20.04 74	LR	LR	00 15 38.0
JOD2	Odawara 2	20.30 49	P	P	00 09 20.3 +0.9
MAJO	Matsushiro	20.43 44	eP	P	00 09 19.3 -1.5
MAJO	comp=Z,116nm,0.9s				
MAJO	Matsushiro	20.43 44	eP	Pn	00 09 19.3 -1.5
MAJO					
MAT	Matsushiro	20.43 44	P	P	00 09 18.8 -2.0
MAT			S	S	00 13 10.6 +1.7
MAT	Matsushiro	20.43 44	P	P	00 09 23.4 +2.6
MJAR	Matsushiro Arr	20.43 44	P	P	00 09 19.0 -1.9
MJAR	comp=Z,75nm,0.9s,baz=232,slow=9.3,SNR=37				
MJAR	comp=Z,757nm,20.6s,MS4.0,baz=230,slow=39				
MJAR	Matsushiro Arr	20.43 44	P	P	00 09 19.0 -1.9
MJAR	Matsushiro Arr	20.43 44	P	P	00 09 19.0 -1.8
NST	Naknon Sawan	20.56 23	P	P	00 09 23.0 +0.6
JRY	Ryogami san	20.59 47	P	P	00 09 20.6 -1.9
CHG	Chiang Mai	20.59 263	J/P	P	00 09 23.4 +0.7
CHTO	Chiang Mai	20.59 263	eP	P	00 09 23.6 +0.9
CHTO	comp=Z,74nm,1.0s				
CHTO	Chiang Mai	20.59 263	eP	P	00 09 23.6 +0.9
CHTO					
CHTO	comp=Z,74nm,1.0s				
CHTO	Chiang Mai	20.59 263	P	P	00 09 23.9 +1.2
CM31	Chiang Mai Arr	20.69 262	eP	P	00 09 25.3 +1.6
CMAR	Chiang Mai Arr	20.69 262	P	P	00 09 25.4 +1.0
CMAR	comp=Z,19nm,0.8s,baz=68,slow=8.8,SNR=46				
CMAR	comp=Z,3.1nm,0.6s,baz=59,slow=8.8,SNR=11				
CMAR	Chiang Mai Arr	20.69 262	P	P	00 09 24.8 +1.0
CMAR			PcP	PcP	00 13 34.6 +1.1
CMAR	Chiang Mai Arr	20.69 262	P	P	00 09 24.8 +1.0
CMAR			P	P	00 13 34.6
CMAR	Chiang Mai Arr	20.69 262	P	P	00 09 24.8 +1.0
BDT	Bhumibol Dam	21.00 258	P	P	00 09 29.0 +1.9
JAG	Ashikaga	21.18 46	P	P	00 09 25.4 -3.5
CN2	Changchun	21.22 10	eP	S	00 09 27.1 -2.1
CN2			eS	S	00 13 17.1 -7.1
CN2			pmax	pmax	
CN2	comp=Z,10.0nm,1.1s,mb4.1				
CN2	comp=Z,200nm,3.0s				
CN2	comp=N,3um,15.0s,MS4.8				
CN2	comp=E,2um,15.0s,MS4.8				
CN2	comp=Z,4um,15.0s,MS4.9				
MNI	Manado	21.75 168	P	P	00 09 34.9 -0.3

SBU	comp=Z,373nm,1.2s,mb5.7				
SBU	Sibu	21.89 203	P	P	00 09 37.5 +0.8
SBU	Sibu	21.89 203	P	P	00 09 37.7 +1.0
VLA	comp=Z,58nm,1.3s,mb4.9				
VLA	Vladivostok	22.24 22	eP	S	00 09 39.7 -0.5
VLA			eS	S	00 13 41.6 -2.5
VLA			pmax	pmax	
GTOI	comp=Z,68nm,1.5s,mb4.9				
GTOI	gorontalo	22.28 173	P	P	00 09 40.0 -0.8
GTOI	comp=Z,3um,comp=Z,467nm,0.9s,mb5.9				
NNT	Nongplab	22.30 246	P	P	00 09 43.3 +2.2
MRSI	Marisa	22.35 176	P	P	00 09 44.1 +2.5
KMSI	comp=Z,2um,comp=Z,221nm,0.8s,mb5.6				
KMSI	Cibinong	22.46 171	P	P	00 09 43.0 +0.3
KMSI	comp=Z,76nm,1.2s,mb5.0				
JYA	Atsumi	22.63 42	P	P	00 09 43.5 -0.9
MDJ	Mudanjiang	22.88 17	pP	S	00 09 45.8 -1.2
MDJ			S	S	00 09 48.9
MDJ			pP	S	00 13 58.9 +3.1
MDJ			S	S	
MDJ	comp=Z,277nm,1.2s,mb4.5				
MDJ	comp=Z,250nm,6.8s				
MDJ	comp=N,1um,13.1s,MS4.9				
MDJ	comp=E,3um,13.8s,MS4.9				
MDJ	comp=Z,3um,14.4s,MS4.8				
MDJ	Mudanjiang	22.88 17	eP	P	00 09 46.1 -0.9
MDJ	comp=Z,66nm,1.2s,mb4.9				
JMM	Marumori	22.88 45	P	P	00 09 42.9 -4.2
TNTI	Teranate	22.99 162	P	P	00 09 45.4 -3.0
USRK	Ussuriysk Arra	23.23 21	P	P	00 09 49.7 -0.9
LUWI	Luwuk	23.91 175	P	P	00 09 55.6 -1.9
GTA	comp=Z,11nm,0.7s,mb4.4,baz=210,slow=7.0,SNR=24				
GTA	Gaotai	24.10 318	P	P	00 09 59.3 +0.3
GTA			pP	S	00 10 05.3
GTA			sP	S	00 10 08.1 +0.8
GTA	comp=Z,6.0nm,1.3s				
GTA			pmax	pmax	
GTA	comp=Z,370nm,7.1s				
GTA	comp=N,1um,16.6s,MS4.8				
GTA	comp=E,2um,17.1s,MS4.8				
GTA	comp=Z,3um,15.7s,MS4.9				
JOM	Ohasama	24.14 42	P	P	00 09 58.9 -0.5
STKI	Sintara	24.37 202	P	P	00 10 04.0 +2.3
LBMI	Labuha	24.37 163	P	P	00 10 00.1 -1.6
GUMO	comp=Z,5um,comp=Z,620nm,1.0s,mb6.0				
GUMO	comp=Z,397nm,0.8s,mb5.0,baz=185,slow=6.0,SNR=8.6				
GUMO					
GUMO	comp=Z,913nm,18.7s,MS4.3,baz=135,slow=39				
GUMO	Guam	24.86 108	eP	P	00 10 03.5 -2.7
GUMO	Guam	24.86 108	eP	P	00 10 03.5 -2.7
GUMO	Guam	24.86 108	P	P	00 10 04.4 -1.8
TTSI	Tana Toraja	25.82 182	P	P	00 10 16.0 +1.2
KULM	Kulim	26.00 231	P	P	00 10 17.9 +1.3
HIA	Hailar	26.30 359	eP	P	00 10 17.4 -1.5
HIA	Hailar	26.30 359	eP	P	00 10 17.5 -1.4
HIA			pmax	pmax	
IPM	lpoH	26.31 229	P	P	00 10 19.4 +0.1
IPM	lpoH	26.31 229	eP	P	00 10 18.6 -0.8
IPM	comp=Z,25nm,0.9s,mb4.0				
MJSI	Majene	26.35 184	P	P	00 10 21.3 +1.6
MYKOM	Kota Tinggi	26.53 220	P	P	00 10 23.9 +2.6
SPSI	Sidra Palu	26.73 182	P	P	00 10 23.8 +0.7
NLAI	comp=Z,619nm,comp=Z,63nm,1.0s,mb5.1				
NLAI	Namle	26.77 165	P	P	00 10 23.5 0.0
NLAI	comp=Z,8um,comp=Z,1um,0.9s,mb6.4				
KDI	Kendari	26.79 175	P	P	00 10 24.5 +0.9
BLK	comp=Z,728nm,comp=Z,269nm,1.2s,mb4.6				
BLK	Banjar Baru	26.81 193	P	P	00 10 26.6 +2.8
ULN	Ulaanbaatar	27.13 340	eP	P	00 10 26.0 -0.5
ULN	Ulaanbaatar	27.13 340	eP	P	00 10 26.0 -0.4
ULN	comp=Z,23nm,1.0s,mb4.7				
ULN	Ulaanbaatar	27.13 340	P	P	00 10 26.4 0.0
ULN	comp=Z,24nm,1.2s,mb4.0				
BNSI	Bone	27.16 181	P	P	00 10 28.4 +1.5
LSA	Lhasa	27.16 291	P	P	00 10 28.6 +1.7
LSA	Lhasa	27.16 291	pP	pP	00 10 37.9 +5.1
LSA	Lhasa	27.16 291	sP	sP	00 10 42.0 +6.8
LSA	Lhasa	27.16 291	SS	SS	00 15 15.6 +1.3
LSA			pmax	pmax	
LSA	comp=Z,30nm,1.0s,mb4.8				
LSA	comp=Z,130nm,5.0s				
LSA	comp=N,420nm,18.0s,MS4.7				
LSA	comp=E,2um,17.0s,MS4.7				
LSA	comp=Z,2um,18.0s,MS4.8				
LSA	Lhasa	27.16 291	eP	P	00 10 28.4 +1.5
LSA	comp=Z,76nm,0.8s,mb5.3				
LSA	Lhasa	27.16 291	eP	P	00 10 28.4 +1.5
LSA					
SOMN	comp=Z,76nm,0.8s,mb5.3				
SOMN	Songino Array	27.32 339	P	P	00 10 27.5 -0.6
SOMN	comp=Z,4.7nm,1.0s,mb4.0,baz=163,slow=6.2,SNR=21				
SOMN			PcP	PcP	00 13 47.5 +0.3
SOMN	comp=Z,3.3nm,1.0s,baz=165,slow=3.4,SNR=3				
SOMN	comp=Z,960nm,18.1s,MS4.4,baz=341,slow=38				
SOMN	Songino Array	27.32 339	P	P	00 10 27.5 -0.6
SOMN			PcP	PcP	00 13 47.5 +0.3
SOMN			PcP	PcP	00 10 27.5 -0.6
SOMN			P	P	00 13 47.5
SOMN			P	P	00 10 28.3 -0.4
MSAI	Masohi	27.36 162	P	P	00 10 28.4 -1.4
AAI	Ambon	27.48 163	P	P	00 10 26.2 -5.4









Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like LPAZ La Paz, SONM Songino Array, etc.

NIED 23 01:12:00.36:60N:142:60E, h5km, Mw3.9 Best double couple: M7.24000, 1014, NP1.8172.00000, 859.00000, 1.58.00000. NP2.842.00000, 643.00000, 1.311.00000.

IDC 23 01:12:26.9:0.7, 36:53N:142:56E, h0km, mb3.7/10, mb1 3.9/14, mb1mx3.8/26, mbtmp3.7/14, ML3.7/3, Error ellipse: s-maj=18.8km s-min=18.4km az=163.0

ISCBJ 23 01:12:27.1:1.3, 36:61N:0:142:59E:0.05, h14km, 9km, mb3.8/13, Error ellipse: s-maj=7.0km s-min=5.3km az=34.6

JMA 23 01:12:27.6:0.3, 36:62N:142:63E, h25km, M3.9 NEIC 23 01:12:28.4:0.5, 36:62N:142:59E, h10km, mb4.5/3, MW3.8(NIED), Error ellipse: s-maj=10.7km s-min=8.1km az=154.0

ISCB 23 01:12:28.3:1.6, 36:61N:0:142:53E:0.05, h9km, 11km, n51, o#81/60, mb3.8/13, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ONAJ Iwakimizuishiy, KMAU Kawauchi, etc.

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

ISCBJ 23 01:20:36.7:1.0, 23:40N:0:07:101:6E:0.1, h3km, 9km, mb3.0/7, Error ellipse: s-maj=24.9km s-min=6.6km

IDC 23 01:20:37.7:1.1, 23:39N:101:67E, h0km, mb3.7/7, mb1 3.7/8, mb1mx3.5/27, mbtmp3.6/8, ML3.6/1, Error ellipse: s-maj=32.8km s-min=17.5km az=86.0

BUI 23 01:20:38.9, 23:45N:101:56E, h14km, ML4.1/8, Ms4.3/3, Ms7.4/0/2

ISC 23 01:20:38.6:1.0, 23:40N:0:06:101:6E:0.1, h5km, 8km, n12, o#107/17, mb3.6/7, 2C, Yunnan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KMI Kunming, CHG Chiang Mai, etc.

ISCBJ 23 01:26:13.6:1.0, 28:11N:0:2:100:5E:0.3, h10km, mb3.5/4, Error ellipse: s-maj=47.5km s-min=7.5km az=149.3

IDC 23 01:26:14.0:1.3, 28:00N:100:31E, h0km, mb3.5/5, mb1 3.6/5, mb1mx3.4/25, mbtmp3.3/5, ML3.1/8, Error ellipse: s-maj=77.4km s-min=21.1km az=62.0

BUI 23 01:26:15.5, 28:18N:100:37E, h13km, ML3.1/8

ISC 23 01:26:15.6:1.0, 28:02N:0:2:100:3E:0.3, h10km, mb3.5/8, mb3.5/4, Sichuan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KMI Kunming, KMAU Kawauchi, etc.

DMN 23 01:35:19.5:13.0, 31:10N:91:26E, h10km, Mb4.9/7, Error ellipse: s-maj=307.7km s-min=23.2km az=53.0

IDC 23 01:35:34.2:1.0, 29:75N:90:45E, h0km, mb3.5/8, mb1 3.7/10, mb1mx3.5/28, mbtmp3.5/10, ML3.6/2, Error ellipse: s-maj=37.9km s-min=17.6km az=63.0

ISCBJ 23 01:35:36.9:1.0, 29:87N:0:08:90:59E:0.06, h2km, 10km, mb3.5/8, Error ellipse: s-maj=13.6km s-min=7.5km az=156.9

NEIC 23 01:35:36.4:0.6, 29:89N:90:64E, h10km, Error ellipse: s-maj=10.2km s-min=7.9km az=157.0

ISC 23 01:35:37.8:1.2, 29:89N:0:07:90:64E:0.06, h19km, 10km, n43, o#123/44, mb3.5/8, Xizang

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GKN Gorkha, DANN Dangsing, etc.

IDC 23 01:37:39.7:4.0, 36:29N:142:82E, h0km, mb3.5/5, mb1 3.6/7, mb1mx3.4/25, mbtmp3.5/7, ML3.5/2, Error ellipse: s-maj=32.8km s-min=29.4km az=162.0

ISCBJ 23 01:37:43.6:1.5, 36:57N:0:142:50E:0.08, h14km, 11km, mb3.4/5, Error ellipse: s-maj=10.8km s-min=5.7km az=12.7

JMA 23 01:37:44.1:0.4, 36:62N:142:38E, h9km, 4km, M3.5

ISC 23 01:37:44.3:1.8, 36:58N:0:142:43E:0.09, h9km, 14km, n22, o#89/31, mb3.4/5, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ONAJ Iwakimizuishiy, JFK Kawauchi, etc.

IDC 23 01:41:37.4:1.3, 35:74N:70:90E, h0km, mb3.5/3, mb1 3.6/5, mb1mx3.4/30, mbtmp3.5/7, ML3.5/4, Error ellipse: s-maj=32.8km s-min=24.2km az=118.0

NNC 23 01:42:04.3:4.6, 37:38N:70:45E, h0km, mb4.1, mpv3.9

ISC 23 01:42:04.5:2.0, 37:00N:0:1:71:1E:0.1, h24km, 20km, n18, o#87/22, mb3.0/2, 3C-2D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AML Almayasha, UCH Uchta, etc.

Error ellipse: s-maj=4.5km s-min=3.4km az=162.2
DDA 23 01:57:32.0.1, 39.28N,28.25E, h7km,5km,MD2.8
CSEM 23 01:57:32.0.1, 39.29N,28.26E, h10km,MD2.8, Error
ellipse: s-maj=3.1km s-min=2.4km az=77.0
ISC 23 01:57:32.4.0.4, 39.28N,0.02,28.27E,0.03,h13km,4km,
n40,c0575/63,Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like DURS Dursunbey, BALB Balikesir, AKHS Akhisar, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like CMIG Matias Romero, JTS JuntasAbangare, etc.

IDC 23 03:00:44.0-1.9, 14.64N-89.73W, h143km,63km,mb3.3/2,
mb1 3.3/5, mb1mx3.1/22, mbtmpp3.1/5, Error ellipse:
s-maj=120.9km s-min=13.2km az=34.0, Guatemala

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like RAO Raon Island, URZ Urewera, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like BBOO Buecklebo, TAOE Nuku Hiva Isla, etc.

BUI 23 03:36:30.1, 1.32S, 124.60E, h57km, mb5.2/20, mb4.8/27,
Ms4.8/10, Ms7.4/11
DJA 23 03:36:38.0.0.2, 1.3S, 124.6E, h10km, M4.8/8, MB5.2/7,
mb5.1/9, MLV4.9/18, MLW(mB)4.6/7
IDC 23 03:36:38.2.2.5, 0.374S, 124.26E, h49km,25km, mb4.2/20,
mb1 4.2/24, ms1mx2.4/24, mbtmpp4.2/21, ML4.1/11, MS3.2/4,
Ms1 3.2/4, ms1mx2.9/25, Error ellipse: s-maj=18.6km
s-min=12.3km az=79.0
ISCJB 23 03:36:39.7.0.5, 0.47S, 0.03, 124.35E, 0.04, h84km,5km,
mb4.6/46, Error ellipse: s-maj=6.3km s-min=5.7km
az=159.1
NEIC 23 03:36:42.6.1.0, 0.45S, 124.34E, h95km, 13km, mb4.5/11,
Error ellipse: s-maj=14.0km s-min=10.4km az=130.0
ISC 23 03:36:42.6.0.6, 30.48S, 0.05, 176.78W, 0.09, h33km, n75,
+19.09/49, mb4.6/13, MS3.9/10, Kermadec Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like KMSI Cibinong, LUWI Luwu, etc.

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

Table with columns: Code, Station Name, Frequency, Power, Phase, ID, Time, Res. Includes stations like KURK Kurchatov, BVAR Borovoye Array, AKTO Aktyubinsk, etc.

SKHL 23 03:46:08.2-0.2, 52.520N x 142.40E, h14km, 2km, mb4.0/4, 3C, Sakhalin Island

Table with columns: Code, Station Name, Frequency, Power, Phase, ID, Time, Res. Includes stations like OKH Okha, NKL Nikolayevsk, TORO Torodi Ar. Bea, etc.

IDC 23 03:47:28.0-0.8, 30.240S x 176.63W, h0km, mb4.4/9, mb1 4.5/9, mb1mx4.4/19, mbtmp4.3/9, MS3.5/5, Ms1 3.5/5, ms1mx3.2/23, Error ellipse: s-maj=28.9km s-min=23.1km az=163.0

ISCJB 23 03:47:29.8-3.6, 30.59S x 0.05:176.9W, 0.1, h15km, 22km, mb4.3/11, MS3.5/3, Error ellipse: s-maj=16.3km s-min=8.8km az=174.7

NEIC 23 03:47:32.5-0.6, 30.58S x 176.58W, h35km, mb4.2/4, Error ellipse: s-maj=14.4km s-min=13.4km az=95.0

ISC 23 03:47:29.8-4.6, 30.51S x 0.06:176.8W, 0.1, h10km, 28km, n51, c127/34, mb4.3/11, MS3.5/3, Kermadec Islands region

Table with columns: Code, Station Name, Frequency, Power, Phase, ID, Time, Res. Includes stations like RAO Raouli Island, URZ Urewera, RPZ Rata Peaks, etc.

Table with columns: Code, Station Name, Frequency, Power, Phase, ID, Time, Res. Includes stations like STKA Stephens Creek, BBOO Buckleboole, ASAR Alice Springs, etc.

NEIC 23 03:55:29.7, 28.11N: 112.49W, h20km, MD4.3(MEX), After MEX

MEX 23 03:55:28.5-0.4, 28.12N x 112.58W, h26km, 22km, MD4.4, Gulf of California

Table with columns: Code, Station Name, Frequency, Power, Phase, ID, Time, Res. Includes stations like SRIG Santa Rosalia, HSIG Hisi, TUC Tucson, etc.

ISCJB 23 03:58:37.3-0.9, 52.6N: 0.1: 175.56E: 0.09, h119km, 5km, mb4.1/27, Error ellipse: s-maj=23.2km s-min=8.9km az=175.5

IDC 23 03:58:37.9-1.2, 52.56N: 175.63E, h110km, 9km, mb3.8/18, mb1 3.9/20, mb1mx3.8/30, mbtmp3.8/20, MS3.9/1, Ms1 3.9/1, ms1mx2.8/40, Error ellipse: s-maj=21.4km s-min=10.7km az=173.0

NEIC 23 03:58:37.6-0.7, 52.52N: 175.62E, h110km, 5km, mb4.1/6, Error ellipse: s-maj=14.4km s-min=5.9km az=173.0

ISC 23 03:58:38.4-0.9, 52.6N: 0.1: 175.57E: 0.09, h113km, 5km, n68, c082/71, mb4.1/27, 8C-2D, Rat Islands

Table with columns: Code, Station Name, Frequency, Power, Phase, ID, Time, Res. Includes stations like SMY Shemya, FX1 Attu Island, PEAO Petropavlovsk, etc.

Table with columns: Code, Station Name, Frequency, Power, Phase, ID, Time, Res. Includes stations like KEV Kevo, ARCES ARCESS Array B, MK31 Makanchi Array, etc.

IDC 23 04:14:42.3-3.7, 5.91S: 150.10E, h0km, mb3.0/2, mb1 3.4/2, mb1mx3.2/15, mbtmp3.2/15, MS3.1/1, Ms1 3.1/1, ms1mx2.8/6, Error ellipse: s-maj=146.6km s-min=46.8km az=117.0, New Britain region

Table with columns: Code, Station Name, Frequency, Power, Phase, ID, Time, Res. Includes stations like HNR Honiara, WRA Warrungu Arr, ASAR Alice Springs, etc.

GUC 23 04:18:26.4-0.7, 32.52S: 72.00W, h27km, 4km, MD3.5, ML2.8, 4C-3D, Off coast of central Chile

Table with columns: Code, Station Name, Frequency, Power, Phase, ID, Time, Res. Includes stations like CHNG Los Chungos, PTCH Petorca, ROCH El Roble, etc.

VIE 23 04:20:47.0, 20.14S: 177.90W, h150km, mb3.6 300 km WNW of Nuku'alofa

IDC 23 04:21:15.5-2.0, 20.67S: 178.20W, h445km, 21km, mb3.3/10, mb1 3.7/12, mb1mx3.5/18, mbtmp3.4/12, Error ellipse: s-maj=30.2km s-min=13.8km az=146.0

NEIC 23 04:21:19.8-1.6, 20.92S: 178.20W, h510km, 15km, Error ellipse: s-maj=27.8km s-min=17.7km az=131.0

ISCJB 23 04:21:20.1, 1.4, 20.95S: 0.1: 178.3W, 0.2, h51km, 14km, mb3.6/10, Error ellipse: s-maj=26.9km s-min=17.6km az=35.6

ISC 23 04:21:20.3-1.5, 21.0S: 0.1: 178.2W, 0.2, h504km, 14km, n55, c112/26, mb3.6/10, 7C-6D, Fiji Islands region

Table with columns: Code, Station Name, Frequency, Power, Phase, ID, Time, Res. Includes stations like MSVF Nonavu, AFI Afiamalu, URZ Urewera, etc.











Table with columns: JTH, Tanohata, 1.27 347, P, Pn, 09 16 29.3, -0.1, etc.

ISCJB 23 09:25:37.0, 1.2, 20.30S, 0.2-67.7E, 0.2, h10km, mb4.1/9, MS3.9/15, Error ellipse: s-maj=36.5km s-min=19.8km az=40.2

IDC 23 09:25:37.3, 1.3, 20.36S, 67.71E, h0km, mb4.1/7, mb1 4.2/7, mb1mx3.9/23, mbtmp4.1/7, MS3.9/16, Ms1 3.9/16, ms1mx3.7/41, Error ellipse: s-maj=40.8km s-min=25.2km az=35.0

NEIC 23 09:25:39.0, 1.6, 20.27S, 67.73E, h10km, mb4.4/2, Error ellipse: s-maj=21.7km s-min=14.1km az=218.0

ISC 23 09:25:39.1, 1.2, 20.30S, 0.2-67.7E, 0.2, h10km, n30, c039/17, mb4.1/9, MS3.9/15, Mid-Indian Ridge

Main table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC

DJA 23 09:30:03, 0.65S, 123.32E, h10km, MLV3.7/3, Minahassa Peninsula, Sulawesi

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

IDC 23 09:49:31.2, 28.0, 14.44N, 122.09E, h0km, mb3.6/3, mb1 3.8/3, mb1mx3.4/21, mbtmp3.6/3, 1D, Error ellipse: s-maj=502.8km s-min=296.1km az=148.0, Luzon

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

NIED 23 10:05:00, 36.60N, 142.50E, h8km, Mw3.9 Best double couple: M=8.81000e+10, NP1=352.00000e+8, 854.00000e+7, 1.78.00000e-1, NP2=3193.00000e+8, 838.00000e+7, 1.106.00000e-1

IDC 23 10:05:22.6, 0.9, 36.41N, 142.67E, h0km, mb3.9/11, mb1 4.0/15, mb1mx3.9/29, mbtmp3.9/15, ML3.4/4, Error ellipse: s-maj=20.5km s-min=19.0km az=34.0

ISCJB 23 10:05:24.6, 1.5, 36.54N, 0.03-142.57E, 0.05, h21km=12km, mb3.9/13, Error ellipse: s-maj=6.7km s-min=5.5km az=23.1

JMA 23 10:05:25.2, 2.2, 35.57N, 142.54E, h29km, M3.6 NEIC 23 10:05:25.2, 36.57N, 142.54E, h29km, mb4.0/2, After JMA

ISC 23 10:05:25.9, 1.6, 36.55N, 0.03-142.50E, 0.05, h16km=11km, n49, c1509/63, mb3.9/13, Off east coast of Honshu

Main table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC

Main table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC

ISCJB 23 10:21:45.3, 0.9, 60.85N, 0.03-166.58E, 0.05, h9km, 5km, mb4.2/38, Error ellipse: s-maj=5.2km s-min=4.3km az=175.1

MOS 23 10:21:45.3, 0.9, 60.79N, 166.65E, h13km, mb4.4/21, Error ellipse: s-maj=14.2km s-min=7.6km az=87.5

KRSC 23 10:21:46.3, 1.3, 60.81N, 166.52E, h19km, 20km, ML4.5 IDC 23 10:21:48.0, 0.7, 60.77N, 166.61E, h20km, 4km, mb4.0/25, mb1 4.2/26, mb1mx4.2/30, mbtmp4.0/26, ML3.6/1, MS3.3/2, Ms1 3.4/2, ms1mx2.9/41, Error ellipse: s-maj=12.4km s-min=10.9km az=18.0

NEIC 23 10:21:48.0, 0.3, 60.75N, 166.64E, mb4.5/10, Error ellipse: s-maj=8.8km s-min=5.2km az=172.0

BJJ 23 10:21:48.1, 60.90N, 166.60E, h33km, mb4.9/3, mb4.4/8, Ms4.4/2, Ms7 4.2/3

NEIS 23 10:21:51.4, 61.20N, 166.63E, h33km, MPV4.6

ISC 23 10:21:47.2, 0.8, 60.79N, 0.03-166.67E, 0.05, h10km, 5km, h20km=12km, pP-P, n130, c1501/144, mb4.2/38, 3C-5D, Eastern Siberia

Main table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC

Main table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC



Table with columns: Station Name, Frequency, Power, and other parameters. Includes stations like MURB Monte Urbino, MGAB Montegabbione, CTI Castel Tesino, etc.

Table with columns: Station Name, Frequency, Power, and other parameters. Includes stations like LASF Ste Croix, LASF Signal de Mont, LASF Signal de Mont, etc.

Table with columns: Station Name, Frequency, Power, and other parameters. Includes stations like WRAB comp=Z,321nm,0.9s,mb5.8, WRAB Tonnant Creek, etc.

23d 11h

Table with columns for station call letters, station name, frequency, and other technical details. Includes stations like SPSI Sidrap Palu, GUM Jordan, MCO Moorlands, etc.

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Table with columns for station call letters, station name, frequency, and other technical details. Includes stations like SKJI Sukabumi, XMIS Christmas, CGMJS Christmas, etc.

1002

Table with columns for station call letters, station name, frequency, and other technical details. Includes stations like MDJ comp=E,1um,21.2s,MS5.0, MDJ Mudanjiang, etc.



23d 11h

Table with columns: DOT, Dot Lake, 83.34, 23, eP, P, 11 27 42.5 +0.1, etc. Lists various locations like Peninsula, South Pole Qui, Poona, Zalesovo Beam, etc.

2008 DEC

Table with columns: NLWA, LR, 89.72, 52, eP, P, 11 28 16.3 +0.3, etc. Lists various locations like Columbia Cole, Jim Creek, Kabul, Karatay Array, etc.

1004

Table with columns: ARUT, Antelope Range, 95.16, 53, eP, P, 11 28 41.0 +1.6, etc. Lists various locations like Cedar City, Missoula, Yellowknife Ar, etc.







Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EAZ Earnsclough, APZ The Paps, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SUSE Susehri, YOZ Yozgat, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DEG La Desirade, TBG Guadeloupe-3, etc.

ISCJB 23 11:54:43.62.6,53.20N:0.09:161.3W:0.1, h21km,23km, mb3.2/2, Error ellipse: s-maj=15.0km s-min=9.7km az=16.2.

ISC 23 11:54:45.2.5,53.20N:160.72W:h0km,mb3.3/2, mb1 3.6/5, mb1mx3.4/29, mbtmp3.3/5, ML3.4/3, Error ellipse: s-maj=100.3km s-min=38.2km az=90.0

NEIC 23 11:54:45.9,53.21N:161.36W,h15km,ML3.3(AEIC), After AEIC.

ISC 23 11:54:43.62.6,53.26N:0.10:161.28W:0.10,h8km,20km, n21,c0568/26,mb3.2/2, South of Alaska

NNC 23 12:08:26.1.4,1,39:15N:70.49E,h0km,mb3.6,mpv3.3, Error ellipse: s-maj=31.4km s-min=24.9km az=26.0

ISC 23 12:08:25.3.2,2,38.7N:0.1x70.4E:0.1,h35km,n8, c095/11,1C-5D,Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AML Almayashu, AKL Karatay Array, etc.

ISC 23 12:53:12.4.0.5,36.07N:0.02:27.16E:0.02,h16km,3km, n161,c107/191,mb3.6/8,Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KARP Karpathos, NIS1 Nisyros Isl., etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DRIA Deer Island, DOL Doolin Island, etc.

ISC 23 12:19:44.7.3.0,6.03S:147.09E,h0km,mb3.6/2, mb1 3.7/4, mb1mx3.4/17, mbtmp3.5/4, ML3.1/2, Error ellipse: s-maj=63.0km s-min=39.3km az=92.0

NEIC 23 12:19:49.2,1,9.09S:147.15E,h35km,mb3.8/2, Error ellipse: s-maj=34.4km s-min=21.3km az=77.0

ISC 23 12:19:53.6.5,6.45S:0.3:146.9E:0.5,h43km,57km,n12, c0539/14,mb3.6/2, Eastern New Guinea region

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

ISC 23 12:53:12.4.0.5,36.07N:0.02:27.16E:0.02,h16km,3km, n161,c107/191,mb3.6/8,Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NPS Neapolis, GCAM G?zelcam!, etc.

ISC 23 11:58:19.7.2.1,15:36S:173.77W,h0km,mb4.1/5, mb1 4.4/6, mb1mx4.0/18, mbtmp4.1/6, ML2.0/1, MS4.0/2, Ms1 4.0/2, ms1mx3.6/27, Error ellipse: s-maj=124.5km s-min=20.1km az=146.0

NEIC 23 11:58:20.7,1.5,15.43S:173.66W,h10km,mb4.2/1, Error ellipse: s-maj=92.5km s-min=11.4km az=147.0,Tonga Islands

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

MAN 23 12:41:02,13:02N:124.98E,h8km,mb4.8,ML3.7,MS3.7

ISC 23 12:41:02.9,1.0,12.74N:125.06E,h0km,mb3.6/7, mb1 3.7/7, mb1mx3.6/21, mbtmp3.6/7, Error ellipse: s-maj=113.0km s-min=17.3km az=67.0

ISCJB 23 12:41:05.4.2.5,12.81N:0.10:125.0E:0.1,h29km,17km, mb3.7/9, Error ellipse: s-maj=22.3km s-min=9.0km az=139.4

NEIC 23 12:41:08.9,1.2,12.58N:124.65E,h35km,mb3.9/2, Error ellipse: s-maj=134.0km s-min=11.4km az=66.0

ISC 23 12:41:07.2.2,3,12.74N:125.09E:0.1,h25km,15km, n27,c1520/28,mb3.7/9,1C-2D,Samar

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

MAN 23 12:41:02,13:02N:124.98E,h8km,mb4.8,ML3.7,MS3.7

ISC 23 12:41:02.9,1.0,12.74N:125.06E,h0km,mb3.6/7, mb1 3.7/7, mb1mx3.6/21, mbtmp3.6/7, Error ellipse: s-maj=113.0km s-min=17.3km az=67.0

ISCJB 23 12:41:05.4.2.5,12.81N:0.10:125.0E:0.1,h29km,17km, mb3.7/9, Error ellipse: s-maj=22.3km s-min=9.0km az=139.4

NEIC 23 12:41:08.9,1.2,12.58N:124.65E,h35km,mb3.9/2, Error ellipse: s-maj=134.0km s-min=11.4km az=66.0

ISC 23 12:41:07.2.2,3,12.74N:125.09E:0.1,h25km,15km, n27,c1520/28,mb3.7/9,1C-2D,Samar

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

ISK 23 12:06:11.4,41.24N:36.52E,h6km,MD2.7

ISCJB 23 12:06:14.0,1.0,41.24N:0.06:36.37E:0.04,h1km,6km, Error ellipse: s-maj=9.6km s-min=4.7km az=18.6

CSEM 23 12:06:14.7,0.4,41.22N:36.30E,h1km,MD2.7, Error ellipse: s-maj=15.5km s-min=5.5km az=15.0

DDA 23 12:06:14.9,41.16N:36.30E,h8km,2km,MD2.9

ISC 23 12:06:15.1,1.0,41.21N:0.06:36.34E:0.05,h9km,6km, n23,c1515/37,Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KVT Kavak, HAVZ Havza, etc.

TRN 23 12:45:48.3,17.54N:62.19W,h10km,MD3.3,ML3.7,(DFD), Edward Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SKI Saint Kitts, SKI Port Louis, etc.

TRN 23 12:45:48.3,17.54N:62.19W,h10km,MD3.3,ML3.7,(DFD), Edward Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SKI Saint Kitts, SKI Port Louis, etc.





23d 13h

Table of astronomical observations for 23d 13h, listing station names, station IDs, phase IDs, and various parameters like time, magnitude, and error ellipses.

2008 DEC

Table of astronomical observations for 2008 DEC, listing station names, station IDs, phase IDs, and various parameters like time, magnitude, and error ellipses.

1010

Table of astronomical observations for 1010, listing station names, station IDs, phase IDs, and various parameters like time, magnitude, and error ellipses.



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

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

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

MAN 23 15:02:21.8, 9.97N; 127.27E, h53km, mb5.2, ML4.2, MS4.4
ISCJB 23 15:02:25.3, 1.1, 8.91N, 0.05E, 126.99E, 0.08, h60km, 9km,
mb4.3/25, Error ellipse: s-maj=14.6km s-min=6.0km
az=139.8

IDC 23 15:02:28.3, 4.8, 8.1N, 126.81E, h71km, 31km, mb3.8/13,
mb1 3.9/14, mb1mx3.8/22, mbtmp3.8/14, ML4.2/1, MS3.6/4,
Ms1 3.6/4, ms1mx3.1/43, Error ellipse: s-maj=33.3km
s-min=13.1km az=70.0

NEIC 23 15:02:29.2, 1.6, 8.82N, 126.77E, h76km, 15km, mb4.8/13,
Error ellipse: s-maj=15.8km s-min=6.3km az=59.0
ISC 23 15:02:27.5, 1.1, 8.91N, 0.05E, 126.99E, 0.09, h62km, 9km,
n87, c095/82, mb4.3/25, 6C-2D, Mindanao

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

1.6nm, 0.3s, baz=210, slow=20, SNR=11
FX1 0.4nm, 0.3s, baz=98, slow=24, SNR=2.8
KODAK Kodiak Island 16.14 56 Pn
0.6nm, 0.8s, baz=310, slow=18, SNR=11

IDC 23 15:15:41.3, 0.9, 2.47S; 101.96E, h0km, mb4.1/10,
mb1 4.2/10, mb1mx4.1/22, mbtmp4.1/10, Error ellipse:
s-maj=33.2km s-min=14.9km az=57.0
NEIC 23 15:15:46.6, 0.5, 2.44S; 102.05E, h35km, mb4.8/8, Error
ellipse: s-maj=19.1km s-min=8.4km az=49.0

DJA 23 15:15:49.3, 0.5, 2.49S; 0.09; 102.1E; 0.1, h81km, 6km,
mb4.4/18, Error ellipse: s-maj=22.7km s-min=5.7km
az=140.1

DJA 23 15:15:49.2, 87S; 101.68E, h53km, MLV4.3/8
ISC 23 15:15:50.1, 0.5, 2.50S; 0.09; 102.0E; 0.1, h68km, 7km, n49,
c094/50, mb4.4/18, Southern Sumatra

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

PZZT Monte Pizzetto 0.55 142 Pg Pb 15 18 30.5 -1.4
PZZT Monte Pizzetto 0.55 142 Pg Sg Sb 15 18 30.0 +0.6
PZZT Monte Pizzetto 0.55 142 Pg Sg Sb 15 18 30.5 -1.4
RAVA Ravarino 0.55 70 Pg Pb 15 18 32.7 +0.6

SBPO S. Benedetto Po 0.61 38 Pg Pb 15 18 34.4 +1.4
SC2M Scurtabo 0.63 256 Pg Pb 15 18 32.3 -1.0
SC2M Scurtabo 0.63 256 Pg Sg Sb 15 18 34.4 +1.4

SC2M Scurtabo 0.63 256 P Pb 15 18 32.1 -1.2
SC2M Scurtabo 0.63 256 P Pb 15 18 32.3 -1.0
SC2M Scurtabo 0.63 256 P Pb 15 18 34.0 -1.4

SC2M Mastiano 0.66 174 Pg S Sb 15 18 42.0 +0.2
MAIM Mastiano 0.66 174 Pg S Sb 15 18 32.9 -0.8
MAIM Mastiano 0.66 174 Pg S Sb 15 18 41.9 -0.5

MAIM Mastiano 0.66 174 P Pb 15 18 32.5 -1.2
MAIM Mastiano 0.66 174 P Pb 15 18 32.9 -0.8
MAIM Mastiano 0.66 174 P Pb 15 18 41.9 -0.5

MAIM Mastiano 0.66 174 P Pb 15 18 32.5 -1.2
MAIM Mastiano 0.66 174 P Pb 15 18 32.9 -0.8
MAIM Mastiano 0.66 174 P Pb 15 18 41.9 -0.5

MAIM Mastiano 0.66 174 P Pb 15 18 32.5 -1.2
MAIM Mastiano 0.66 174 P Pb 15 18 32.9 -0.8
MAIM Mastiano 0.66 174 P Pb 15 18 41.9 -0.5

MAIM Mastiano 0.66 174 P Pb 15 18 32.5 -1.2
MAIM Mastiano 0.66 174 P Pb 15 18 32.9 -0.8
MAIM Mastiano 0.66 174 P Pb 15 18 41.9 -0.5

MAIM Mastiano 0.66 174 P Pb 15 18 32.5 -1.2
MAIM Mastiano 0.66 174 P Pb 15 18 32.9 -0.8
MAIM Mastiano 0.66 174 P Pb 15 18 41.9 -0.5

MAIM Mastiano 0.66 174 P Pb 15 18 32.5 -1.2
MAIM Mastiano 0.66 174 P Pb 15 18 32.9 -0.8
MAIM Mastiano 0.66 174 P Pb 15 18 41.9 -0.5

MAIM Mastiano 0.66 174 P Pb 15 18 32.5 -1.2
MAIM Mastiano 0.66 174 P Pb 15 18 32.9 -0.8
MAIM Mastiano 0.66 174 P Pb 15 18 41.9 -0.5

MAIM Mastiano 0.66 174 P Pb 15 18 32.5 -1.2
MAIM Mastiano 0.66 174 P Pb 15 18 32.9 -0.8
MAIM Mastiano 0.66 174 P Pb 15 18 41.9 -0.5

MAIM Mastiano 0.66 174 P Pb 15 18 32.5 -1.2
MAIM Mastiano 0.66 174 P Pb 15 18 32.9 -0.8
MAIM Mastiano 0.66 174 P Pb 15 18 41.9 -0.5

MAIM Mastiano 0.66 174 P Pb 15 18 32.5 -1.2
MAIM Mastiano 0.66 174 P Pb 15 18 32.9 -0.8
MAIM Mastiano 0.66 174 P Pb 15 18 41.9 -0.5

IDC 23 15:03:28.3, 1.5, 5.108N, 177.95W, h0km, mb3.4/3,
mb1 3.8/5, mb1mx3.5/28, mbtmp3.6/5, ML3.3/4, Error
ellipse: s-maj=32.2km s-min=13.7km az=6.0, Andreanof
Islands

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

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







23d 15h

2008 DEC

1016

Table with multiple columns containing station names, call signs, frequencies, and other technical details. The table is organized into several vertical sections, each representing a different frequency range or station group. Each row typically includes a call sign, a frequency, a power level, and a station name. Some rows also include additional identifiers like 'AMS' or 'MLR'.











1021

Table with columns: SNY, SHENYANG, 75.24, 45, P, P, 15 36 02.9 +0.2, 15 45 43.3 +3.4, etc.

2008 DEC

Table with columns: E14A, CLINTON, 76.73, 324, P, P, 15 36 10.9 -0.2, 15 36 11.1 -0.1, etc.

23d 15h

Table with columns: Q23A, HARTSEL, 78.98, 315, P, P, 15 36 24.1 +0.4, 15 36 24.5 +0.8, etc.

Table with columns: ID, Name, RA, Dec, Az, Alt, Elevation, etc. Includes stations like W26A Owens Ranch, R20A Redvale, S21A Coal Bank Pass, etc.

Table with columns: ID, Name, RA, Dec, Az, Alt, Elevation, etc. Includes stations like 326A Caldwell Ranch, 427A Hayer Ranch, U16A Tub City, etc.

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

ISCJB 23 15:35:48.9, 0.44, 61N, 0.04, 10.36E, 0.08, h37km, 9km, Error ellipse: s-maj=10.1km s-min=5.8km az=167.8 CSEM 23 15:35:49.6, 0.2, 44.57N, 10.39E, h30km, ML2, 8.6, Error ellipse: s-maj=6.5km s-min=4.1km az=68.0 ROM 23 15:35:49.2, 0.6, 44.64N, 10.61E, h25km, Md2, 1/2, Error







Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KARABIGA-CANAK, GONEN-BALIKESI, ERIK-KESAN, etc.

IDC 23 16:16.25.0.1, 3.16:62S:173:67W, h0km, mb4.2/9, mb1 4.5/10, mb1mx4.3/19, mbtmp4.2/10, ML2.1/1, MS3.3/3, MS1 3.3/3, MSX1 1/35, Error ellipse: s-maj=78.5km s-min=16.8km az=145.0

ISCJB 23 16:16.23.10.5, 16:68S:01:173:7W.0.1, h33km, mb4.2/11, Error ellipse: s-maj=25.6km s-min=9.2km az=139.9

NEIC 23 16:16.25.0.0, 4.16:76S:173:67W, h35km, mb4.0/2, Error ellipse: s-maj=19.6km s-min=9.4km az=139.0

ISC 23 16:16.25.0.0, 5.16:75S:01:173:7W.0.1, h35km, n91, c080/35, mb4.2/11, Tonga Islands

Main table for station 1025, listing codes, station names, azimuths, phase IDs, times, and residuals for various stations like AFI, AFM, ARMA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like La Plagne, Calviac, Montbardon.

ISCJB 23 16:19.36.3.0, 4.44:61N:0:03:10:42E:0.07, h30km, 4km, Error ellipse: s-maj=8.5km s-min=4.8km az=167.8

ROM 23 16:19.36.3.0, 4.44:60N:10:42E, h28km, 4km, Md2.0/5, M11.9/4, Error ellipse: s-maj=4.9km s-min=2.1km az=67.0

CSEM 23 16:19.37.3.0, 4.44:57N:10:40E, h20km, ML2.3/12, Error ellipse: s-maj=7.5km s-min=4.3km az=60.0

LDG 23 16:19.38.0.0, 6.44:55N:10:62E, h25km, M12.6/9, Error ellipse: s-maj=13.7km s-min=6.6km az=95.0

NEIC 23 16:19.38.0.4, 44:53N:10:62E, h25km, ML2.6(LDG), After LDG

ISC 23 16:19.37.2.0, 6.44:59N:0:03:10:42E:0.07, h25km, 4km, n51, c098/83, Northern Italy

Main table for station 2008 DEC, listing codes, station names, azimuths, phase IDs, times, and residuals for various stations like Eremo, Mastiano, Parma, etc.

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

ISCJB 23 16:19.36.3.0, 4.44:61N:0:03:10:42E:0.07, h30km, 4km, Error ellipse: s-maj=8.5km s-min=4.8km az=167.8

ROM 23 16:19.36.3.0, 4.44:60N:10:42E, h28km, 4km, Md2.0/5, M11.9/4, Error ellipse: s-maj=4.9km s-min=2.1km az=67.0

CSEM 23 16:19.37.3.0, 4.44:57N:10:40E, h20km, ML2.3/12, Error ellipse: s-maj=7.5km s-min=4.3km az=60.0

LDG 23 16:19.38.0.0, 6.44:55N:10:62E, h25km, M12.6/9, Error ellipse: s-maj=13.7km s-min=6.6km az=95.0

NEIC 23 16:19.38.0.4, 44:53N:10:62E, h25km, ML2.6(LDG), After LDG

ISC 23 16:19.37.2.0, 6.44:59N:0:03:10:42E:0.07, h25km, 4km, n51, c091/81, Northern Italy

Main table for station 23d 16h, listing codes, station names, azimuths, phase IDs, times, and residuals for various stations like Eremo, Mastiano, Parma, etc.

CSEM 23 16:32:53.9.0.2, 44:57N:10:42E, h20km, ML2.5/11, Error ellipse: s-maj=4.0km s-min=3.2km az=88.0

GEN 23 16:32:54.2.0.3, 44:56N:10:34E, h24km, ML1.9, Error ellipse: s-maj=4.9km s-min=3.4km az=36.1

ROM 23 16:32:54.0.1.0, 44:55N:10:41E, h26km, 2km, Md2.1/9, Error ellipse: s-maj=3.6km s-min=1.8km az=86.0

NEIC 23 16:32:55.3.44:57N:10:58E, h25km, ML2.6(LDG), After LDG

LDG 23 16:32:55.3.0.4, 44:57N:10:59E, h25km, ML2.6/9, Error ellipse: s-maj=8.5km s-min=3.9km az=97.0

ISC 23 16:32:54.6.0.3, 44:56N:10:02:10:38E:0.04, h23km, 3km, n73, c091/121, Northern Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Eremo, Parma, Valbona, Graiana.

23d 16h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like NOVE Novellara, CODM Codivola, BDI Bagni Di Lucca, etc.

2008 DEC

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like JHO Hitachi, JMM Marumori, JMT Otama, etc.

1026

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like PRMA PRMA, ERBM Eremito, GSCL Gusciosa, etc.

ISCJB 23 16:46:12.3,0.8,36:51N,0:04:142:80E:0:06, h33km, mb3.5/4, Error ellipse: s-maj=7.6km s-min=5.2km az=16.8

ISC 23 16:46:14.0,0.8,36:50N,0:04:142:56E:0:07, h35km, n32, 6:07742, mb3.5/4, Off east coast of Honshu

ISC 23 16:51:06.6,3.3,44:53N,10:69E, h0km, mb1 3.6/4, mb1mx3.2/3, mb1mx3.5/4, ML3.4/4, Error ellipse: s-maj=55.0km s-min=22.5km az=136.0







s-min=16.7km az=95.0
NEIC 23 17:35:08.8,5.9,20.61N:145.04E,h93km,mb4.5/1,
Error ellipse: s-maj=20.9km s-min=10.4km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GUMO Guam, KSRS Korea Array, KSAR Wonju Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BVAR Borovoye Array, BRVK Borovoye, RAMN Ramite, etc.

MOS 23 17:51:42.0,0.9,2.50N:128.63E,h33km,mb5.6/76,
MS4.3/30, Error ellipse: s-maj=8.6km s-min=4.7km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BUJ 23 17:51:44.9,2.24N:128.98E,h77km,mb5.3/39, etc.

NEIC 23 17:51:48.2,0.8,2.41N:128.68E,h72km,7km,mb5.5/83
Error ellipse: s-maj=5.0km s-min=3.4km az=64.0

DJA 23 17:51:48.2,3.4N:128.72E,h49km,mb5.3/61
ISC 23 17:51:47.7,0.3,2.43N:102.128.78E,0.02,h66km,3km,
h72km,1.9km,pp-P, AZ30,0116/524,mb5.3/179,26C-3DD,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TINTI Ternate, LBMI Labuha, SGSI Sangihe, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WSI Waingapu, BBKI Banjar Baru, BTM Sibitulu, etc.

23d 17h

Table with columns for station name, frequency, time, and signal strength. Includes stations like ASAR Alice Springs, KSI Kapahiang, CBIJ Chichi jima, etc.

2008 DEC

Table with columns for station name, frequency, time, and signal strength. Includes stations like KMI comp=N,380nm,17.8s, KMI comp=E,440nm,18.5s, etc.

1030

Table with columns for station name, frequency, time, and signal strength. Includes stations like LZH comp=Z,330nm,4.0s, LZH comp=N,490nm,13.0s, etc.







NIED 23 18:28:00, 36.00N, 135.70E, h360km, Mw4.4 Best double couple: M=4.98000, 1015 NP1=39.29, 000000, 857.00000, -1.71.00000. NP2=37.00000, 838.00000, -1.16.00000.
ISCJBJ 23 18:28:30.5, 0.2, 35.91N, 0.04, 135.68E, 0.04, h353km, 2km, mb3.7/30, Error ellipse: s-maj=7.0km s-min=4.8km az=139.7

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include JFM Mihama, JFW Wachi, JWT Kaga, JKG Miyama, JGM Koyua, JJE Ise, JSZ Saigo, JSZ Suzu, MAJ Matsushiro, MAT Matsushiro, MJAR Matsushiro Arr, MJAR Matsushiro Arr, MJAR Matsushiro Arr, MJAR Matsushiro Arr, JHG Hegura jima, JHS Saiyo, JAI Aioi, JWZ Kozaga, JYN Shimob, TTO1 TONANKAI O.B.S, TK02 Tokai 2, JMN Monobe, JMR Ryogami san, JGT Gotsu, JOD2 Odawara 2, JHT Toyohira, JSD Sado, JTO Yoshimizu, KSRS Korea Array, KSAR Wouju Array Be, USRK Unsuiryk Arra, ASAJ Asahikawa, ASAJ Asahikawa, ASAJ Asahikawa, ASAJ Asahikawa, MDJ Mudanjiang, CBJJ Chichi jima, CBU 22nm, 0.3s, bazz=287, slow=20, SNR=7.3, CBJJ Chichi jima, YSS Zuzh-Sakhalins, YSS Enshi, ULN Ulanbatar, SONM Sogingo Array, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam, MK31 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, TAPN Tappejlung, TAPN Tappejlung, ODAN Odare, ODAN Odare, ODAN Odare, RAMN Ramite, RAMN Ramite, JIRN Jiri, JIRN Jiri, GUN Gumba, GUN Gumba, KURK Kurchatov, GKN Gorkha, GKN Gorkha, DANN Dangsing, DANN Dangsing, TKM2 Tokmak 2, BRVK Borovoye, KKR Karatay Array, MCK McKinley, COLA Collette, ILAR Eielson Array, ILAR Eielson Array, ABKAR Abkutal array, WRAB Tennant Creek, WB2 Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, INK Inuvik

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ARCES ARCES Array B, ARCES ARCES Array B, RES Resolute Bay, YKA Yellowknife Arr, YKA Yellowknife Arr, FINES FINESS Array B, FINES FINESS Array B, STKA Stephens Creek, STKA Stephens Creek, NOA NORARS Array B, NOA NORARS Array B, BRTR Keskinn Array B, BRTR Keskinn Array B, INVAR Invar Array B, INVAR Invar Array B, PDAR Pinedale Array, PDAR Pinedale Array, PDAR Pinedale Array, ULM Lac du Bonnet, ULM Lac du Bonnet, ULM Lac du Bonnet, SAML Samuel, SAML Samuel, LAZ La Paz, LAZ La Paz

NIED 23 18:37:00, 39.10N, 140.90E, h8km, Mw3.6 Best double couple: M=2.83000, 1014 NP1=180.00000, 863.00000, 1.62.00000. NP2=50.00000, 838.00000, -1.134.00000.
IDC 23 18:37:11.0, 1.0, 39.07N, 140.95E, h0km, mb3.4/4, mb1.3/77, mb1mx3.4/25, mbtmp3.5/7, ML3.0/3, Error ellipse: s-maj=34.0km s-min=16.6km az=126.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include JMA Felt II J1, NEIC 23 18:37:15.5, 8.5, 39.05N, 140.98E, h30km, 63km, MG3.6(JMA), Error ellipse: s-maj=41.0km s-min=16.0km az=102.0, ISC 23 18:37:12.6, 0.5, 39.11N, 140.90E, 0.04, h5km, 5km, n23, 0.84/28, mb3.5/4, 2C-4D, Eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include JMK Ichinoseki, JMK Ichinoseki, JRG Rokugo, JRG Rokugo, JYK Kaneyama, JYK Kaneyama, JOM Okura, JOM Okura, JJOU Joku, JJOU Joku, MAJ Matsushiro, MAJ Matsushiro, MAJ Matsushiro, MAJ Matsushiro, MJAR Matsushiro Arr, MJAR Matsushiro Arr, MJAR Matsushiro Arr, MJAR Matsushiro Arr, USRK Unsuiryk Arra, USRK Unsuiryk Arra, KSRS Korea Array, KSRS Korea Array, ILAR Eielson Array, ILAR Eielson Array, WRA Warramunga Arr, WRA Warramunga Arr, YKA Yellowknife Arr, YKA Yellowknife Arr, ASAR Alice Springs, ASAR Alice Springs, LPAZ La Paz, LPAZ La Paz

ISCJBJ 23 19:07:02.1, 0.2, 44.57N, 0.01, 13.71E, h10km, Error ellipse: s-maj=1.9km s-min=1.7km az=34.9
CSEM 23 19:07:03.0, 0.1, 44.54N, 13.70E, h10km, ML4.5/5, Error ellipse: s-maj=2.6km s-min=2.1km az=153.0
NEIC 23 19:07:03.0, 0.7, 44.51N, 13.65E, h10km, ML3.6(VIE), ML3.5(LDG), Error ellipse: s-maj=8.5km s-min=4.8km az=151.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include PDG 23 19:07:04.7, 0.5, 44.56N, 13.73E, h30km, 2km, ML3.8/9, Error ellipse: s-maj=0.5km s-min=0.9km az=0.0, ROM 23 19:07:04.3, 0.1, 44.54N, 13.88E, h31km, ML3.2/38, Error ellipse: s-maj=3.3km s-min=1.3km az=98.0, LDG 23 19:07:04.8, 0.1, 44.55N, 13.82E, h30km, ML3.5/37, Error ellipse: s-maj=2.0km s-min=1.8km az=18.0, VIE 23 19:07:07.1, 0.5, 44.82N, 13.77E, h8km, mb2.8/14, ML3.6/17, Error ellipse: s-maj=4.8km s-min=3.3km az=21.0, PRU 23 19:07:07.9, 44.99N, 13.71E, h0km, STR 23 19:07:11.6, 0.9, 44.75N, 12.70E, h5km, ML3.6, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0, GEN 23 19:07:11.9, 44.56N, 13.83E, h95km, ML3.3, ISC 23 19:07:03.0, 0.1, 44.55N, 0.01, 13.73E, 0.02, h10km, n333, s104740, 23C-21D, Adriatic Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include NVLJ Novaja, NVLJ Novaja, PESA Pesaro, PESA Pesaro, SENI Senigallia, SENI Senigallia, SKDS Skadanscina, SKDS Skadanscina, SKDS Skadanscina, SKDS Skadanscina, KNDS Knezi Dol, KNDS Knezi Dol, KNDS Knezi Dol, KNDS Knezi Dol, FSSB Fossombone, FSSB Fossombone, FSSB Fossombone, RSM Repubblica di

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include RSM Repubblica di, TRI Trieste, TRI Trieste, TRI Trieste, TRI Trieste, CING Cingoli, CING Cingoli, GBRG Gornja Grija, PIEI Pieia, PIEI Pieia, JAVS Javornik, JAVS Javornik, CMPO Campotto P, PARC Parchieule, PARC Parchieule, SNTG Esanatoglia, SNTG Esanatoglia, SABO M.te Sabotino, SABO M.te Sabotino, BOJS Bojanci, BOJS Bojanci, VISS Visnje, VISS Visnje, VOY Vojsko, VOY Vojsko, BADI Badiali, BADI Badiali, SFI Santa Sofia, SFI Santa Sofia, MURB Monte Urbino, MURB Monte Urbino, MURB Monte Urbino, MURB Monte Urbino, FDMO Fjordimonte, FDMO Fjordimonte, CRE Caprese Michel, CRE Caprese Michel, ASQU Asqua, ASQU Asqua, FIU Minerbio Fiu, FIU Minerbio Fiu, OFFI Offida, OFFI Offida, MTRZ Monterenzio, MTRZ Monterenzio, CESI Cesi, CESI Cesi, VMG Vicchio, VMG Vicchio, VINO Villanova, VINO Villanova, NRCA Norcia, NRCA Norcia, GEPF Gemona, GEPF Gemona, SEI Scarpieria, SEI Scarpieria, PTCC Patocco-Chiusa, PTCC Patocco-Chiusa, CGRP Cima Grappa, CGRP Cima Grappa, TERO Teramo, TERO Teramo, ACOM Acomiza, ACOM Acomiza, ACOM Acomiza, ACOM Acomiza, LMSS Leone, LMSS Leone, MGAB Montegabbione, MGAB Montegabbione, OBKA Obir, OBKA Obir, CSNT Castellina Chi, CSNT Castellina Chi, SISC Sissak, SISC Sissak, SISC Sissak, SISC Sissak, CTI Castel Tesino, CTI Agordo, PZZT Monte Pizzetto, CRMI Carmignano, SACS San Casciano d, FVI Forni Avoltri, VCEL Vercelli, ROVR Rovera Verona, AQU L'Aquila, AQU L'Aquila, AQU L'Aquila, AQU L'Aquila, MNS Montasola, BDI Bagno Di Lucca, FIAM Fiamignano, ABTA Abfattersbach, ABTA Abfattersbach, ABTA Abfattersbach, MAIM Mastiano, SALO Salo, INTR Introdacqua, KBA Koelnbreinsper







Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, etc. Includes stations like BVAR Borovoye Array, KKAR Karatay Array, WRAB Tennant Creek, etc.

TAP 23 19:46:32.9,23:16N:120:36E,h7km,ML2.2,2C-2D,B,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, etc. Includes stations like ELDTW Lidau, STYT Tauyuan, YUS Yu-Shan, etc.

TAP 23 19:46:34.9,22:77N:120:70E,h19km,ML2.6,2C-2D,A,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, etc. Includes stations like SSD Sandimen, SGLT Jiouru, TWM1 Shoushan, etc.

Main table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, etc. Includes stations like TWM1, ECL Taimai, TWG Pinlang, etc.

ISK 23 19:55:28.8,37:82N:43:63E,h5km,MD2.9

ISCJB 23 19:55:29.7,0.6,37:85N:03:43:58E,0.06,h10km,Error ellipse: s-maj=7.3km s-min=3.6km az=169.1

DDA 23 19:55:30.2,37:87N:43:57E,h8km,4km,MD3.0

CSEM 23 19:55:30.0,0.2,37:83N:43:60E,h2km,MD3.0,Error ellipse: s-maj=7.7km s-min=3.8km az=83.0

ISC 23 19:55:30.0,0.6,37:85N:03:43:57E,0.06,h20km,10km,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, etc. Includes stations like HAKT HAKKARI, HAKT HAKKARI, CUKT Kukura, etc.

ISCJB 23 19:56:28.1,0.5,35:71N:0:05:139:18E:0.06, h133km,3km,mb3.6/4, Error ellipse: s-maj=9.0km, s-min=7.0km az=144.2

NEIC 23 19:56:29.2,1.2,35:70N:139:12E,h125km,11km,mb4.0/1, Error ellipse: s-maj=20.5km s-min=13.4km az=120.0

IDC 23 19:56:30.1,1.4,35:59N:138:85E,h127km,18km,mb3.2/3, mb1.3/4,mb1mx3.0/24,mbtmp3.2/4, Error ellipse: s-maj=41.5km s-min=23.9km az=113.0

JMA 23 19:56:30.3,0.1,35:66N:139:21E,h117km,1km,M3.4

JMA Feit JI

ISC 23 19:56:29.3,0.5,35:72N:0:05:139:18E:0.06,h127km,3km, n27,0:574/39,mb3.8/4,Near south coast of eastern

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, etc. Includes stations like JHU Hanno, JRY Ryogami san, JOD2 Odawara 2, etc.

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, etc. Includes stations like JYN Shimob, JAG Ashikaga, SHZ3 Shizuoka 3, etc.

DDA 23 20:00:37.6,40:29N:25:58E,h2km,3km,MD3.4

ISK 23 20:00:37.9,40:25N:25:61E,h5km,MD3.1

ISCJB 23 20:00:37.7,0.5,40:29N:0:02:25:48E:0.04,h5km,4km, Error ellipse: s-maj=4.6km s-min=3.6km az=167.1

ATH 23 20:00:37.3,40:28N:25:43E,h27km,MD3.1/5

CSEM 23 20:00:38.0,0.2,40:28N:25:45E,h10km,MD3.1, Error ellipse: s-maj=4.6km s-min=4.3km az=70.0

THE 23 20:00:38.3,40:27N:25:48E,h9km,1km,ML2.5, Error ellipse: s-maj=1.6km s-min=0.5km az=304.0

ISC 23 20:00:38.2,0.4,40:27N:0:02:25:47E:0.04,h8km,4km, n6,0:594/89,1D,Aegean Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, etc. Includes stations like LIA Limnos Island, BOZC Bozcaada, Enez, etc.

WEL 23 20:12:09.4,0.8,47:38S:165:03E,h33km,ML4.1/10, Error ellipse: s-maj=8.8km s-min=4.9km az=90.0, Off west coast of South Island

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, etc. Includes stations like PYZ Puysegur Point, APZ The Paps, DCZ Deep Cove, etc.



Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KK31, KK32, KKAR, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BVA0, BVA1, BVAR, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like HHC, HHC, GYA, etc.







23rd 20h

2008 DEC

1042

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ILAR, TPRI, KOLN, COEN, TKM2, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ARU, KBL, DLBC, AB31, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KIV, J08A, E12A, B17A, etc.







Table with columns for name, time, and status. Includes entries like DAVOX Davos/Dischmat, ASS Assisi, AUTN L'Aution, etc.

Table with columns for name, time, and status. Includes entries like NRCA Norcia, SBO M.te Sabotino, CALN Calern, etc.

Table with columns for name, time, and status. Includes entries like LMR La Mourre, WEIN Weingarten, AQUA L'Aquila, etc.





23d 21h

Table with columns for station name, frequency, and other identifiers. Includes stations like Kallitalsperre, Givet, Berggiesshubel, Podgorica, etc.

2008 DEC

Table with columns for station name, frequency, and other identifiers. Includes stations like PVY Plav, MELF Melles, SNF Seneffe, etc.

1048

Table with columns for station name, frequency, and other identifiers. Includes stations like Ste Jean, Krusevo, La Foliniere, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and Name. Includes stations like MLR Muntele Rosu, CART Cartagena, LKR EANR, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and Name. Includes stations like PTOM Tomar, ISAL Salakas, EAB Aberfoyle, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and Name. Includes stations like KIV Kislovodsk, KIV Kislovodsk, KIV Kislovodsk, etc.

23d 21h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BBTS Babate, SFJD Kangerlussuaq, BRVK Borovoye, etc.

2008 DEC

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like FRB Frobisher Bay, ZAAO Zalesovo Array, ZALV Zalesovo Beam, etc.

1050

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SONM Songino Array, ULN Ulanbaatar, YAK Yakutsk, etc.



Table of astronomical observations for 23d 22h, listing stations like KSAR, KSRS, T22A, etc., with columns for time, position, and other parameters.

Table of astronomical observations for 2008 DEC, listing stations like WRA, WRS, ASAR, etc., with columns for time, position, and other parameters.

Table of astronomical observations for 1052, listing stations like SALO, SAGO, GROG, etc., with columns for time, position, and other parameters.









23d 23h

Table with columns for event name, date, time, and location. Includes events like ECH Echery, MOA Mollin, MOA Mollin, MOA Stuttgart, etc.

2008 DEC

Table with columns for event name, date, time, and location. Includes events like SFTF Sexfontaines, VSL Villasalto, LOR Lormes, etc.

1056

Table with columns for event name, date, time, and location. Includes events like PRU Pruhonice, PRU Pruhonice, MOX Moxa, etc.



24d 0h

Table with columns: MABI, Malga Bissina, 1.50, 5, Pg, Pn, 23 40 59.9, 0.0. Includes various station names like MABI, BRMO, APPI, SBF, etc.

2008 DEC

Table with columns: SSF, Saint Saulge, 5.39, 300, ePn, Pn, 23 41 53.5, +0.1. Includes various station names like Saint Saulge, Saint Saulge, Bois d'Agland, etc.

1058

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res. Includes various station names like KSP, Ulice, Dobruska-Polom, etc.

GEN 24 00:44:11.5, 44°6'11N, 10°44'E, h2km, ML2.1, CSEM 24 00:44:13.0, 0.1, 44°56'N, 10°30'E, h16km, 1km, ML2.5/18, Error ellipse: s-maj=3.0km s-min=2.6km az=8.0

NEIC 24 00:44:13.3, 44°59'N, 10°27'E, h12km, ML2.6(LDG), ML2.5(CSEM), After CSEM.

LDG 24 00:44:14.4, 0.0, 2.4, 60N, 10°44'E, h20km, ML2.6/28, Error ellipse: s-maj=4.2km s-min=3.3km az=20.0

STR 24 00:44:15.8, 0.5, 4.4, 78N, 9°31'E, h5km, ML2.5, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0

ROM 24 00:44:12.8, 0.2, 44°56'N, 10°34'E, h24km, 3km, M2.5/16, M2.5/13, C-3D, Error ellipse: s-maj=3.5km s-min=2.2km az=100.0, Northern Italy

Code Station Name A° AZ° Phase ID Time Res. Includes station names like ERMB, PRMA, GRAM, etc.

Code Station Name A° AZ° Phase ID Time Res. Includes station names like VALM, GUSCIA, etc.

Code Station Name A° AZ° Phase ID Time Res. Includes station names like LVC, LCO, etc.

Code Station Name A° AZ° Phase ID Time Res. Includes station names like CFAA, etc.

Code Station Name A° AZ° Phase ID Time Res. Includes station names like CDF, etc.

Code Station Name A° AZ° Phase ID Time Res. Includes station names like HAU, etc.

Code Station Name A° AZ° Phase ID Time Res. Includes station names like LASF, etc.

Code Station Name A° AZ° Phase ID Time Res. Includes station names like SMF, etc.

Code Station Name A° AZ° Phase ID Time Res. Includes station names like SNA, etc.

Code Station Name A° AZ° Phase ID Time Res. Includes station names like TOR, etc.

Code Station Name A° AZ° Phase ID Time Res. Includes station names like BOS, etc.

Code Station Name A° AZ° Phase ID Time Res. Includes station names like ZALV, etc.

Code Station Name A° AZ° Phase ID Time Res. Includes station names like MKAR, etc.

Code Station Name A° AZ° Phase ID Time Res. Includes station names like BKI, etc.

Code Station Name A° AZ° Phase ID Time Res. Includes station names like SFI, etc.

Code Station Name A° AZ° Phase ID Time Res. Includes station names like VMG, etc.

KRSC 24 00:39:38.5, 2.2, 53°66'N, 167°51'E, h41km, 40km, ML3.7, Komandorsky Islands region

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res. Includes station names like Bering, Mys Kozlova, etc.

CSEM 24 00:43:36.9, 0.9, 51°46'N, 16°15'E, h2km, ML3.0/4, Error ellipse: s-maj=1.5km s-min=0.9km az=25.0

WAR 24 00:43:37.4, 51°51'N, 16°12'E, ML2.3, Mining Induced

PRU 24 00:43:36.6, 51°51'N, 16°17'E, h0km, Poland



Table with columns: Station Name, Frequency, Power, Mode, and various parameters. Includes stations like MABI Malga Bissina, CTI Castel Tesino, BRMO Bormio, etc.

Table with columns: Station Name, Frequency, Power, Mode, and various parameters. Includes stations like SMF Signal de Mont, SMF Signal de Mont, SMF Signal de Mont, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and various parameters. Includes stations like LUWI Luwuk, NEIC 24 01:15:21.4,4.0,38.42N:77.11E, etc.



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

ISCJB 24 03:29:06.5:0.8,37.85N:0.07:29.2E:0.1, h10km, Error ellipse: s-maj=15.7km s-min=5.2km az=35.4

DDA 24 03:29:07.0, 37.88N:0.23:29.2E:0.1, h10km, Error ellipse: s-maj=15.7km s-min=5.2km az=35.4

ISC 24 03:29:08.3:1.7,37.71N:0.36:29.3E:0.1, h10km, mb3.4/1, mb1 3.5/4, mb1mx3.3/2.5, mbtm3.4/4, M3.3/3, Error ellipse: s-maj=25.6km s-min=26.6km az=168.3

ISC 24 03:29:07.4:1.0,37.88N:0.07:29.1E:0.1, h10km, n6, c=1079, Turkey

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

DDA 24 03:39:44.5:1.2,31.96S:71.41W, h0km, mb4.2/3, mb1 4.3/6, mb1mx4.1/1.4, mbtm4.2/6, M4.2/3, MS3.4/5, Ms1 3.4/5, mb1mx3.0/2.7, Error ellipse: s-maj=42.2km s-min=34.9km az=160.0

ISCJB 24 03:39:51.2:0.6,31.84S:0.02:71.61W:0.1, h0.6km, mb3.9/5, Error ellipse: s-maj=13.6km s-min=3.7km az=175.7

NEIC 24 03:39:52.4, 31.87S:71.51W, h50km, mb4.1/4, After GUC. NEIC Felt [V] at Canela, Ilipal and Salamanca; [III] at Los Vilos; [II] at Cabilo, Papudao and Petorca.

GUC 24 03:39:52.4:0.6,31.87S:71.51W, h50km, mb4.1/4, Error ellipse: s-maj=13.6km s-min=3.7km az=175.7

ISC 24 03:39:52.3:0.6,31.84S:0.02:71.60W:0.1, h57km, n5, c=968/66, mb4.1/5, MS3.6/2, 4C-9D, Near coast of Central Chile

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TKM2, TKM2, TKM2, etc.

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

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

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

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

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NB2, NB2, NOA, etc.



EBAD	4.7nm,0.2s,SNR=7.9	Lg			04 51 08.1
EBAD	13nm,0.2s,SNR=7.9				
EBAD	0.3nm,0.1s,SNR=20	Pn	Pn	4.11 304	04 49 57.8 +0.7
EBAD	4.7nm,0.2s,SNR=7.9	Lg			04 50 44.3 -0.9
EBAD	13nm,0.2s,SNR=7.9	Lg			04 51 08.1
PVAQ	17nm,0.3s	ePn	Pn	4.15 284	04 49 58.2 +0.6
PVAQ	17nm,0.3s	eSn	Pn		04 50 44.5 -1.6
PVAQ	17nm,0.3s	A			04 50 47.2
PVAQ	17nm,0.3s	Pn	Pn	4.15 284	04 49 58.2 +0.6
PVAQ	17nm,0.3s	Pn	Pn		04 50 44.5 -1.6
PVAQ	17nm,0.3s	ePn	Pn	4.15 284	04 49 58.2 +0.6
PVAQ	17nm,0.3s	eSn	Pn		04 50 44.5 -1.6
EMOS	Mosqueruela	Pn	Pn	4.19 23	04 50 00.1 +1.9
EMOS	Mosqueruela	Pn	Pn	4.19 23	04 50 00.1 +1.9
GUD	Guadarrama	Pg	Pg	4.27 344	04 50 15.6 -0.5
GUD	2.9nm,0.4s,SNR=7.9	Lg			04 51 13.7
GUD	13nm,0.3s,SNR=7.9	Pg	Pg	4.27 344	04 50 15.6 -0.4
GUD	2.9nm,0.4s,SNR=7.9	Lg			04 51 13.7
PBDV	Barranco-do-Ve	ePn	Pn	4.29 281	04 50 00.7 +1.1
PBDV	Barranco-do-Ve	eSn	Pn		04 50 48.6 -1.1
PBDV	Barranco-do-Ve	A			04 50 55.4
PBDV	Barranco-do-Ve	Pn	Pn	4.29 281	04 50 00.7 +1.1
PBDV	Barranco-do-Ve	ePn	Pn		04 50 48.6 -1.1
PBDV	Barranco-do-Ve	eSn	Pn		04 50 55.4
ETOR	Torete	Pn	Pn	4.30 6	04 50 00.2 +0.4
ETOR	1.2nm,0.1s,SNR=9.5	Pg	Pg		04 50 16.3 -0.4
ETOR	1.9nm,0.2s,SNR=7.9	Lg			04 51 13.7
ETOR	82nm,1.2s,SNR=7.9	Pn	Pn	4.30 6	04 50 00.2 +0.4
ETOR	1.2nm,0.1s,SNR=9.5	Pg	Pg		04 50 16.3 -0.4
PBEJ	Beja	ePn	Pn	4.42 291	04 50 02.4 +1.1
PBEJ	Beja	eSn	Pn		04 50 52.3 -0.5
PBEJ	Beja	A			04 51 29.1
PBEJ	Beja	Pn	Pn	4.42 291	04 50 02.4 +1.1
PBEJ	Beja	ePn	Pn		04 50 52.3 -0.5
PBEJ	Beja	eSn	Pn		04 50 52.3 -0.5
EPLA	Plasencia	Pn	Pn	4.44 324	04 50 03.0 +1.4
EPLA	0.5nm,0.1s,SNR=16	Lg			04 51 19.4
EPLA	36nm,0.5s,SNR=7.9	Pn	Pn	4.44 324	04 50 03.0 +1.4
EPLA	0.5nm,0.1s,SNR=16	Lg			04 51 19.4
PCVE	Castro Verde	ePn	Pn	4.44 286	04 50 02.9 +1.2
PCVE	Castro Verde	eSn	Pn		04 50 52.8 -0.6
PCVE	Castro Verde	A			04 51 25.3
PCVE	Castro Verde	Pn	Pn	4.44 286	04 50 02.9 +1.2
PCVE	Castro Verde	ePn	Pn		04 50 52.8 -0.6
PCVE	Castro Verde	eSn	Pn		04 50 52.8 -0.6
PESTR	Estremoz	ePn	Pn	4.55 302	04 50 04.7 +1.5
PESTR	Estremoz	eSn	Pn		04 50 55.7 -0.5
PESTR	Estremoz	eSg	Pn		04 51 19.4 -1.1
PESTR	Estremoz	A			04 51 36.3
PESTR	Estremoz	Pn	Pn	4.55 302	04 50 04.7 +1.5
PESTR	Estremoz	ePn	Pn		04 50 55.7 -0.5
PESTR	Estremoz	eSn	Pn		04 51 19.4 -1.1
PESTR	Estremoz	A			04 51 36.3
PESTR	Estremoz	Pn	Pn	4.55 302	04 50 04.7 +1.5
PESTR	Estremoz	ePn	Pn		04 50 55.7 -0.5
PESTR	Estremoz	eSn	Pn		04 51 19.4 -1.1
PESTR	Estremoz	A			04 51 36.3
MESJ	Messejana	ePn	Pn	4.63 288	04 50 05.5 +1.2
MESJ	Messejana	eS	Pn		04 50 57.2 -0.9
MESJ	Messejana	Pn	Pn	4.63 288	04 50 05.5 +1.2
MESJ	Messejana	ePn	Pn		04 50 57.2 -0.9
MESJ	Messejana	eS	Pn		04 50 57.2 -0.9
EVO	Evora	ePn	Pn	4.70 297	04 50 05.9 +0.6
EVO	Evora	eSn	Pn		04 51 57.8 -2.1
EVO	Evora	eSg	Pn		04 51 25.8 +0.5
EVO	Evora	Pn	Pn	4.70 297	04 50 06.6 +1.3
EVO	Evora	ePn	Pn		04 50 59.1 -0.8
EVO	Evora	A			04 51 34.8
EVO	Evora	Pn	Pn	4.70 297	04 50 06.6 +1.3
EVO	Evora	ePn	Pn		04 50 59.1 -0.8
EVO	Evora	A			04 51 34.8
EVO	Evora	Pn	Pn	4.70 297	04 50 06.6 +1.3
EVO	Evora	ePn	Pn		04 50 59.1 -0.8
EVO	Evora	A			04 51 34.8
PMRV	Marv??o	ePn	Pn	4.73 309	04 50 07.3 +1.7
PMRV	Marv??o	eSn	Pn		04 50 59.6 -0.9
PMRV	Marv??o	eSg	Pn		04 51 22.0 -4.1
PMRV	Marv??o	A			04 51 34.4
PMRV	Marv??o	Pn	Pn	4.73 309	04 50 07.3 +1.7
PMRV	Marv??o	ePn	Pn		04 50 59.6 -0.9
PMRV	Marv??o	eSg	Pn		04 51 22.0 -4.1
PMRV	Marv??o	A			04 51 34.4
PMRV	Marv??o	Pn	Pn	4.73 309	04 50 07.3 +1.7
PMRV	Marv??o	ePn	Pn		04 50 59.6 -0.9
PMRV	Marv??o	eSg	Pn		04 51 22.0 -4.1
PMRV	Marv??o	A			04 51 34.4
EVOP	Sao Teotonio	ePn	Pn	4.78 296	04 50 05.9 -0.4
EVOP	Sao Teotonio	eSn	Pn		04 50 57.8 -4.0
EVOP	Sao Teotonio	eSg	Pn		04 51 25.8 -2.0
MORF	Marmelete	ePn	Pn	4.87 281	04 50 08.9 +1.4
MORF	Marmelete	eSn	Pn		04 51 03.2 -0.7
MORF	Marmelete	A			04 51 08.7
MORF	Marmelete	Pn	Pn	4.87 281	04 50 08.9 +1.4
MORF	Marmelete	ePn	Pn		04 51 03.2 -0.7
MORF	Marmelete	eSn	Pn		04 51 08.7
MORF	Marmelete	A			04 51 08.7
MORF	Marmelete	Pn	Pn	4.87 281	04 50 08.9 +1.4
MORF	Marmelete	ePn	Pn		04 51 03.2 -0.7
MORF	Marmelete	eSn	Pn		04 51 08.7
MORF	Marmelete	A			04 51 08.7
PNCL	Nicolau / Gran	ePn	Pn	4.94 290	04 50 09.5 +1.0
PNCL	Nicolau / Gran	eSn	Pn		04 51 04.7 -1.0
PNCL	Nicolau / Gran	A			04 51 50.1
PNCL	Nicolau / Gran	Pn	Pn	4.94 290	04 50 09.5 +1.0
PNCL	Nicolau / Gran	ePn	Pn		04 51 04.7 -1.0
PNCL	Nicolau / Gran	eSn	Pn		04 51 50.1
MOE	Montemor	ePn	Pn	4.94 295	04 51 04.7 -1.1
MOE	Montemor	eSn	Pn		04 51 04.7 -1.1
MOE	Montemor	eS	Pn		04 51 04.7 -1.1
MOE	Montemor	eSn	Pn		04 51 04.7 -1.1
PTEO	Sao Teotonio	ePn	Pn	4.96 284	04 50 10.1 +1.3
PTEO	Sao Teotonio	eSn	Pn		04 51 05.3 -0.9
PTEO	Sao Teotonio	A			04 51 49.1
PTEO	Sao Teotonio	Pn	Pn	4.96 284	04 50 10.1 +1.3
PTEO	Sao Teotonio	ePn	Pn		04 51 05.3 -0.9
PTEO	Sao Teotonio	eSn	Pn		04 51 05.3 -0.9
PTEO	Sao Teotonio	A			04 51 05.3 -0.9
PTEO	Sao Teotonio	Pn	Pn	4.96 284	04 50 10.1 +1.3
PTEO	Sao Teotonio	ePn	Pn		04 51 05.3 -0.9
PTEO	Sao Teotonio	eSn	Pn		04 51 05.3 -0.9
PTEO	Sao Teotonio	A			04 51 05.3 -0.9
PFVI	Vila Bispo	ePn	Pn	4.99 279	04 50 10.2 +1.0
PFVI	Vila Bispo	eSn	Pn		04 51 06.1 -0.8
PFVI	Vila Bispo	A			04 51 17.6
PFVI	Vila Bispo	Pn	Pn	4.99 279	04 50 10.2 +1.0
PFVI	Vila Bispo	ePn	Pn		04 51 06.1 -0.8
PFVI	Vila Bispo	eSn	Pn		04 51 17.6

PFVI	Vila Bispo	4.99 279	Pn	Pn	04 50 10.2 +1.0
PFVI	Vila Bispo	0.5nm,0.1s,SNR=9.2			04 51 05.5 -1.4
ERTA	Horta de San J	5.00 27	Pn	Pn	04 50 10.7 +1.4
ERTA	Horta de San J	0.1nm,0.1s,SNR=7.9			04 51 05.1 -2.0
ERTA	Horta de San J	4.3nm,0.4s,SNR=7.9	5.00 27	Pn	04 50 10.7 +1.4
ERTA	Horta de San J	0.1nm,0.1s,SNR=7.9			04 51 05.1 -2.0
PCBR	Castelo Branco	5.03 312	ePn	Pn	04 50 11.7 +1.9
PCBR	Castelo Branco	4.3nm,0.4s,SNR=7.9	eSn	Pn	04 51 07.4 -0.6
PCBR	Castelo Branco	4.3nm,0.4s,SNR=7.9	eSg	Pn	04 51 35.8 0.0
PCBR	Castelo Branco	4.3nm,0.4s,SNR=7.9	A		04 51 43.2
PCBR	Castelo Branco	26nm,0.7s	Pn	Pn	04 50 11.7 +1.9
PCBR	Castelo Branco	13nm,0.7s	Pn	Pn	04 51 07.4 -0.6
PCBR	Castelo Branco	0.1nm,0.1s,SNR=7.9	Pn	Pn	04 51 35.8 0.0
PCBR	Castelo Branco	0.1nm,0.1s,SNR=7.9	ePn	Pn	04 51 07.4 -0.6
PCBR	Castelo Branco	0.1nm,0.1s,SNR=7.9	eSn	Pn	04 51 35.8 0.0
PCBR	Castelo Branco	0.1nm,0.1s,SNR=7.9	eSg	Pn	04 51 35.8 0.0
PCBR	Castelo Branco	0.1nm,0.1s,SNR=7.9	A		04 51 35.8 0.0
PCBR	Castelo Branco	26nm,0.7s	ePn	Pn	04 51 07.4 -0.6
PCBR	Castelo Branco	13nm,0.7s	eSn	Pn	04 51 35.8 0.0
PCBR	Castelo Branco	0.1nm,0.1s,SNR=7.9	eSg	Pn	04 51 35.8 0.0
PCBR	Castelo Branco	0.1nm,0.1s,SNR=7.9	A		04 51 35.8 0.0
PMTG	Montargil	5.08 302	ePn	Pn	04 50 11.5 +1.0
PMTG	Montargil	28nm,0.6s	eSn	Pn	04 51 07.8 -1.5
PMTG	Montargil	28nm,0.6s	eSg	Pn	04 51 35.9 -1.6
PMTG	Montargil	28nm,0.6s	A		04 51 45.7
PMTG	Montargil	28nm,0.6s	ePn	Pn	04 50 11.5 +1.0
PMTG	Montargil	28nm,0.6s	eSn	Pn	04 51 07.8 -1.5
PMTG	Montargil	28nm,0.6s	eSg	Pn	04 51 35.9 -1.6
PMTG	Montargil	28nm,0.6s	A		04 51 45.7
ETOS	Mallorca	5.38 52	Pn	Pn	04 50 13.8 -0.8
ETOS	Mallorca	0.1nm,0.1s,SNR=7.9			04 51 12.1 -4.6
ETOS	Mallorca	0.6nm,0.2s,SNR=7.9	Pn	Pn	04 50 13.8 -0.9
ETOS	Mallorca	0.1nm,0.1s,SNR=7.9			04 51 12.1 -4.6
ETOS	Mallorca	0.6nm,0.2s,SNR=7.9	Pn	Pn	04 50 13.8 -0.9
ETOS	Mallorca	0.1nm,0.1s,SNR=7.9			04 51 12.1 -4.6
MTE	Mateigas	5.44 317	ePn	Pn	04 50 17.7 +2.3
MTE	Mateigas	34nm,0.5s	eSn	Pn	04 51 17.6 -0.5
MTE	Mateigas	34nm,0.5s	eSg	Pn	04 51 43.9 -5.1
MTE	Mateigas	34nm,0.5s	A		04 51 52.4
MTE	Mateigas	34nm,0.5s	Pn	Pn	04 50 17.7 +2.3
MTE	Mateigas	34nm,0.5s	ePn	Pn	04 51 17.6 -0.5
MTE	Mateigas	34nm,0.5s	eSn	Pn	04 51 43.9 -5.1
MTE	Mateigas	34nm,0.5s	A		04 51 52.4
PTOM	Tomar	5.49 306	ePn	Pn	04 50 17.7 +1.7
PTOM	Tomar	21nm,0.9s	eSn	Pn	04 51 17.9 -1.3
PTOM	Tomar	21nm,0.9s	eSg	Pn	04 51 50.0 0.0
PTOM	Tomar	21nm,0.9s	A		04 52 00.9
PTOM	Tomar	21nm,0.9s	Pn	Pn	04 50 17.7 +1.7
PTOM	Tomar	21nm,0.9s	ePn	Pn	04 51 17.9 -1.3
PTOM	Tomar	21nm,0.9s	eSn	Pn	04 51 50.0 0.0
PTOM	Tomar	21nm,0.9s	A		04 52 00.9
MVO	Moncorvo	5.75 325	ePn	Pn	04 50 21.8 +2.2
MVO	Moncorvo				

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like MIJAS, EVIA, ETOB, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ERITA, PNCL, PFVI, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like FNA, FNEZ, KZN, etc.



Table of celestial objects with columns: Code, Station Name, Azimuth, Altitude, Phase, ID, Time, Res, ISC, H, m, s, ISC. Includes objects like GUMO Guam, JOW Kunigami, PMG Port Moresby, etc.

Table of celestial objects with columns: Code, Station Name, Azimuth, Altitude, Phase, ID, Time, Res, ISC, H, m, s, ISC. Includes objects like TORO Torodi Ar. Bea, CFAA Coronel Fontan, CFAA Coronel Fontan, etc.

Table of celestial objects with columns: Code, Station Name, Azimuth, Altitude, Phase, ID, Time, Res, ISC, H, m, s, ISC. Includes objects like GCAM G?zelcam!, SMG Samos, KARP Karpathos, etc.





Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ELL, SHUT, SUTC, BVAR, CMAR, WRA, TXAR, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KURK, BVAR, CMAR, WRA, TXAR, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CFAA, CFAA, CFAA, TRQA, PLCA, etc.

ISCJB 24 07:08:48.9, 1.4, 48.5N, 0.154, 7E, 0.2, h50km, 14km, mb3.8/7, Error ellipse: s-maj=28.8km s-min=8.6km az=40.9

MOS 24 07:08:49.3, 1.0, 48.48N, 154.61E, h54km, mb4.3/4, Error ellipse: s-maj=26.8km s-min=12.9km az=66.4

NEIC 24 07:08:51.3, 1.1, 48.46N, 154.66E, h56km, 9km, Error ellipse: s-maj=21.4km s-min=9.0km az=84.0

ISC 24 07:08:51.1, 1.2, 48.5N, 0.1, 154.7E, 0.2, h54km, 11km, n35, c=067/34, mb3.8/7, Kuril Islands

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

DDA 24 07:34:46.0, 37.90N, 29.23E, h6km, 3km, Md2.7

ISCJB 24 07:34:46.2, 0.5, 37.87N, 0.02, 29.23E, 0.05, h3km, 6km, Error ellipse: s-maj=6.3km s-min=3.9km az=165.2

ISC 24 07:34:46.1, 37.84N, 29.22E, h7km, Md2.7

CSEM 24 07:34:46.0, 37.87N, 29.24E, h2km, Md2.7, Error ellipse: s-maj=3.4km s-min=2.2km az=91.0

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

MAN 24 08:32:29.777N, 122.19E, h31km, mb4.1, ML2.9, MS2.6, 2C, Mindanao

ISCJB 24 09:11:31.8, 1.5, 17.26S, 0.03, 171.88W, 0.02, h2km, 9km, mb5.7/25, MS5.6/17, Error ellipse: s-maj=5.5km

BJI 24 09:11:31.9, 16.94S, 171.55W, h10km, mb6.3/50, mb5.5/49, Ms5.7/54, Ms7.5/44.2

ISC 24 09:11:32.0, 17.36S, 172.09W, h2km, mb5.2/22, mb1.5/4.2, ms1mx5.3/23, mbtmp5.2/22, MS5.4/23

BGS 24 09:11:33.3, 5.0, 17.29S, 171.91W, h10km, mb5.9(NEIC)

MOS 24 09:11:34.9, 3.2, 17.11S, 172.20W, h33km, mb5.9/87, MS5.5/56, Error ellipse: s-maj=7.9km s-min=5.9km az=66.2

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

ASAJ Asahikawa 9.42 247 ePn Pn 07 11 04.1 +0.1

ERMO Erimo 10.37 236 Pn Pn 07 11 17.1 +0.0

KSRS Korea Array 22.34 250 P P 07 13 44.3 +0.1

KSRS Korea Array 22.34 250 P P 07 13 44.3 +0.2

KSAR Wonju Array Be 22.37 250 P P 07 13 44.3 +0.3

SONM Songoing Array 31.77 287 P P 07 15 59.8 +0.3

ISC 24 07:45:45.9, 1.5, 19.1N, 125.09E, h0km, mb4.2/3, mb1.4/4.4, mb1mx3.9/18, mbtmp4.2/4, ML4.1/1, Error ellipse: s-maj=110.2km s-min=21.7km az=66.0

ISC 24 07:45:45.9, 1.5, 19.1N, 125.09E, h0km, mb4.2/3, mb1.4/4.4, mb1mx3.9/18, mbtmp4.2/4, ML4.1/1, Error ellipse: s-maj=110.2km s-min=21.7km az=66.0

ISC 24 07:45:45.9, 1.5, 19.1N, 125.09E, h0km, mb4.2/3, mb1.4/4.4, mb1mx3.9/18, mbtmp4.2/4, ML4.1/1, Error ellipse: s-maj=110.2km s-min=21.7km az=66.0

ISC 24 07:45:45.9, 1.5, 19.1N, 125.09E, h0km, mb4.2/3, mb1.4/4.4, mb1mx3.9/18, mbtmp4.2/4, ML4.1/1, Error ellipse: s-maj=110.2km s-min=21.7km az=66.0

ISC 24 07:45:45.9, 1.5, 19.1N, 125.09E, h0km, mb4.2/3, mb1.4/4.4, mb1mx3.9/18, mbtmp4.2/4, ML4.1/1, Error ellipse: s-maj=110.2km s-min=21.7km az=66.0

ISC 24 07:45:45.9, 1.5, 19.1N, 125.09E, h0km, mb4.2/3, mb1.4/4.4, mb1mx3.9/18, mbtmp4.2/4, ML4.1/1, Error ellipse: s-maj=110.2km s-min=21.7km az=66.0

ISCJB 24 09:11:31.8, 1.5, 17.26S, 0.03, 171.88W, 0.02, h2km, 9km, mb5.7/25, MS5.6/17, Error ellipse: s-maj=5.5km

BJI 24 09:11:31.9, 16.94S, 171.55W, h10km, mb6.3/50, mb5.5/49, Ms5.7/54, Ms7.5/44.2

ISC 24 09:11:32.0, 17.36S, 172.09W, h2km, mb5.2/22, mb1.5/4.2, ms1mx5.3/23, mbtmp5.2/22, MS5.4/23

BGS 24 09:11:33.3, 5.0, 17.29S, 171.91W, h10km, mb5.9(NEIC)

MOS 24 09:11:34.9, 3.2, 17.11S, 172.20W, h33km, mb5.9/87, MS5.5/56, Error ellipse: s-maj=7.9km s-min=5.9km az=66.2

NEIC 24 09:11:34.3, 0.1, 17.29S, 171.91W, h9km, mb5.9/185, MS5.7/55, 6/162, MW6.0, Error ellipse: s-maj=4.6km s-min=2.7km az=148.0, Depth from synthetic of broadband displacement seismograms. Energy computed from CMT mechanism.

M=0.07±.02; Best double couple; M=1.10000×1018
NP1=358.00000; b43.00000; A=101.00000; NP2:
e=192.00000; b47.00000; A=80.00000; Principal axes:
T 1.23000, Plg2.00000; Azm275.00000; N -0.19000,
Plg7.00000; Azm6.00000; P -1.04000, Plg82.00000;
Azm170.00000; Data Used: II IU IC G CN. Surface
waves: sta=117, comp=275, per=50.
ISC 24.09.11:34.1±1.7, 17.275±0.03:471.87W±0.02, h7km±10km,
n18km±2.9km, comp=P-P, n1526, e05671900, mbs.7/253,
M55.6/217, 238C-265D, Tonga Islands region

Table with columns: Code, Station Name, Az, Phase, Op, ISC, Time, Res, ISC. Rows include stations like AFI, MSFV, RAR, DZM, OUZ, etc.

Table with columns: CAN, comp, Z, 200nm, 1.2s, mbs.7, pmax, MLR, MFR, etc. Rows include stations like CAN, CTAO, CTAA, etc.

Table with columns: CASY, BSC, MJAR, MAJO, MAJ, etc. Rows include stations like CASY, BSC, MJAR, MAJO, MAJ, etc.







Table with columns: ID, Name, Az, El, P, S, Date, Time, and other details. Includes entries like N21A Black Mountain, I18A Diamond G Ranch, YNR Norris Junction, etc.

Table with columns: ID, Name, Az, El, P, S, Date, Time, and other details. Includes entries like ILAR Eielson Array, G18A Lazy Lee Ranch, H19A Powell, etc.

Table with columns: ID, Name, Az, El, P, S, Date, Time, and other details. Includes entries like A18A Metzger Ranch, COLD Goldfoot, D20A Manuel Ranch, etc.







Table with columns: VTS, Vitosha, 151.67 336 P, PKPbc, 09 31 30.4 +0.9, etc. Includes various VTS entries like Vitosha, La Frestale, La Plagne, etc.

Table with columns: AQU, L'Aquila, 154.59 351, PFAKE, 09 31 40.0 +13, etc. Includes various AQU entries like L'Aquila, Nicolaou / Gran, Pioggia, etc.

Table with columns: CTAO, Charters Tower, 19.28 183 P, Pn, 10 01 31.5 +1.4, etc. Includes various CTAO entries like Charters Tower, Wrab, Wra, etc.

IDC 24 09:57:01.0,0.6,0.65S:147.39E,h0km,mb4.4/15, mb1 4.5/16,mb1mx4.5/18,mbtmp4.4/16,ML4.1/1,MS3.8/3, Ms1 3.8/3,ms1mx3.6/23,Error ellipse:s-maj=23.8km

ISC/JB 24 09:57:03.3,2.9,0.68S:107.40E,0.07,h25km,20km, mb4.7/50,MS4.5/4,Error ellipse:s-maj=11.4km

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes Admiralty Islands region and various stations like Port Moresby, Port Moresby, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WMQ Urumqi, MKAR Makanchi Array, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KCTX Karacabey (Bur), KONT Konya-Tatoy, MDNY Mudanya-Bursa, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BRTR Keskin Array B, DAVOX Davos/Dirschmat, DAVOX Davos/Dirschmat, etc.

ISK 24 10:04:34.9, 37.84N-29.20E, h4km, ML3.7
IDC 24 10:04:35.0, 1.1, 37.89N-29.17E, h0km, mb3.8/10.

GERES GERESS Array B 15.70 319 Pn
GERES GERESS Array B 23.69 356 Pn
GERES GERESS Array B 15.70 319 Pn

ISK 24 10:11:0.4, 0.3, 37.87N-29.25E, h5km, 6km,
Error ellipse: s-maj=5.8km s-min=4.2km az=6.6

DDA 24 10:04:35.1, 37.90N-29.22E, h3km, 2km, Md3.7
CSEM 24 10:04:35.6, 0.1, 37.85N-29.21E, h2km, ML3.7, Error

AKTO Aktyubinsk 24.04 49 Pn
AKTO Aktyubinsk 24.04 49 Pn
HFS Hagfors 24.38 341 Pn

ISK 24 10:11:0.9, 0.3, 37.88N-29.25E, h12km, 5km,
n24, o0571/40, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DENT Denizli, KHAL Karahalli, KHAL Karahalli, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NOA NORSAR Array B, NOA NORSAR Array B, TORDI Torodi Ar. Bea, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DENT Denizli, KHAL Karahalli, KHAL Karahalli, etc.

NEIC 24 10:30:46.0, 37.82N-29.19E, h7km, ML3.7(ISK), After ISK.

AFI Afimalu 2.90 11 Pn
AFI Afimalu 2.90 11 Pn
AFI Afimalu 2.90 11 Pn

NEIC 24 10:30:46.4, 1.1, 37.89N-29.11E, h0km, mb3.6/8,
mb1 3.7/13, mb1mx3.5/31, mbtmp3.6/13, MS4.4/1,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DENT Denizli, DENT Denizli, KHAL Karahalli, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DENT Denizli, DENT Denizli, KHAL Karahalli, etc.



ellipse: s-maj=5.3km s-min=3.3km az=132.0
PDG 24 11:20:25.0, 1.0, 43.44N; 19.02E, h10km, MD2.2/2.

3.2nm, 0.6s, baz=294, slow=15, SNR=10
DAVOX Davos/Dischmat 148.68 350 PKPbc PKPbc 12 21 10.4 -0.4

IMRD Marand 5.01 262 ePn Pn 12 19 31.3 +1.2
IMRD Marand 5.01 262 ePn Pn 12 19 31.3 +1.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Unac-Piva, Pjlevlja, BBLs, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Denizi, Denizli, DENT, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Sfrayin, Emangholi, NASN, etc.

NEIC 24 11:28:10.9, 18.71N; 66.80W, h98km, MD3.5(RSPR), After RSPR.

CSEM 24 12:09:50.8, 36.43N; 20.55E, h24km, MD3.7, After ATH

IMRD Marand 5.01 262 ePn Pn 12 19 31.3 +1.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Las Mesas, Cerrillos, etc.

ATH 24 12:09:50.6, 36.41N; 20.55E, h25km, MD3.7/10, Central Mediterranean Sea

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

ICD 24 12:02:10.5, 1.7, 15.91S; 177.40W, h404km, 20km, mb3.4/7, mb1 3.7/8, mb1mx3.4/17, mbtrmp3.4/8, Error ellipse:

Code Station Name Az Phase ID Time Res. Lists stations like PYL, ITM, VLS, etc.

IMRD Marand 5.01 262 ePn Pn 12 19 31.3 +1.2

NEIC 24 12:02:11.0, 0.7, 16.05S; 177.40W, 1.1, h421km, 10km, mb3.6/9, Error ellipse: s-maj=33.9km s-min=10.4km az=148.8

Code Station Name Az Phase ID Time Res. Lists stations like IALA, IKIA, etc.

IMRD Marand 5.01 262 ePn Pn 12 19 31.3 +1.2

NEIC 24 12:02:11.5, 0.8, 16.05S; 177.37W, 0.1, h413km, 11km, n34, r1506/26, mb3.6/9, Fiji Islands region

Code Station Name Az Phase ID Time Res. Lists stations like IMRV, CHTH, etc.

IMRD Marand 5.01 262 ePn Pn 12 19 31.3 +1.2

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

Code Station Name Az Phase ID Time Res. Lists stations like IMRV, CHTH, etc.

IMRD Marand 5.01 262 ePn Pn 12 19 31.3 +1.2

ICD 24 12:02:10.5, 1.7, 15.91S; 177.40W, h404km, 20km, mb3.4/7, mb1 3.7/8, mb1mx3.4/17, mbtrmp3.4/8, Error ellipse:

Code Station Name Az Phase ID Time Res. Lists stations like IMRV, CHTH, etc.

IMRD Marand 5.01 262 ePn Pn 12 19 31.3 +1.2

NEIC 24 12:02:11.0, 0.7, 16.05S; 177.40W, 1.1, h421km, 10km, mb3.6/9, Error ellipse: s-maj=33.9km s-min=10.4km az=148.8

Code Station Name Az Phase ID Time Res. Lists stations like IMRV, CHTH, etc.

IMRD Marand 5.01 262 ePn Pn 12 19 31.3 +1.2

NEIC 24 12:02:11.5, 0.8, 16.05S; 177.37W, 0.1, h413km, 11km, n34, r1506/26, mb3.6/9, Fiji Islands region

Code Station Name Az Phase ID Time Res. Lists stations like IMRV, CHTH, etc.

IMRD Marand 5.01 262 ePn Pn 12 19 31.3 +1.2

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

Code Station Name Az Phase ID Time Res. Lists stations like IMRV, CHTH, etc.

IMRD Marand 5.01 262 ePn Pn 12 19 31.3 +1.2

ICD 24 12:02:10.5, 1.7, 15.91S; 177.40W, h404km, 20km, mb3.4/7, mb1 3.7/8, mb1mx3.4/17, mbtrmp3.4/8, Error ellipse:

Code Station Name Az Phase ID Time Res. Lists stations like IMRV, CHTH, etc.

IMRD Marand 5.01 262 ePn Pn 12 19 31.3 +1.2

NEIC 24 12:02:11.0, 0.7, 16.05S; 177.40W, 1.1, h421km, 10km, mb3.6/9, Error ellipse: s-maj=33.9km s-min=10.4km az=148.8

Code Station Name Az Phase ID Time Res. Lists stations like IMRV, CHTH, etc.

IMRD Marand 5.01 262 ePn Pn 12 19 31.3 +1.2

NEIC 24 12:02:11.5, 0.8, 16.05S; 177.37W, 0.1, h413km, 11km, n34, r1506/26, mb3.6/9, Fiji Islands region

Code Station Name Az Phase ID Time Res. Lists stations like IMRV, CHTH, etc.

IMRD Marand 5.01 262 ePn Pn 12 19 31.3 +1.2

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

Code Station Name Az Phase ID Time Res. Lists stations like IMRV, CHTH, etc.

IMRD Marand 5.01 262 ePn Pn 12 19 31.3 +1.2

ICD 24 12:02:10.5, 1.7, 15.91S; 177.40W, h404km, 20km, mb3.4/7, mb1 3.7/8, mb1mx3.4/17, mbtrmp3.4/8, Error ellipse:

Code Station Name Az Phase ID Time Res. Lists stations like IMRV, CHTH, etc.

IMRD Marand 5.01 262 ePn Pn 12 19 31.3 +1.2

NEIC 24 12:02:11.0, 0.7, 16.05S; 177.40W, 1.1, h421km, 10km, mb3.6/9, Error ellipse: s-maj=33.9km s-min=10.4km az=148.8

Code Station Name Az Phase ID Time Res. Lists stations like IMRV, CHTH, etc.

IMRD Marand 5.01 262 ePn Pn 12 19 31.3 +1.2

NEIC 24 12:02:11.5, 0.8, 16.05S; 177.37W, 0.1, h413km, 11km, n34, r1506/26, mb3.6/9, Fiji Islands region

Code Station Name Az Phase ID Time Res. Lists stations like IMRV, CHTH, etc.

IMRD Marand 5.01 262 ePn Pn 12 19 31.3 +1.2

24d 12h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, SACS, San Casciano d. 2.02 148 Pg Pn 12 23 31.3 +0.2

2008 DEC

Table with columns: SACS, San Casciano d. 2.02 148 Pg Pn 12 23 31.3 +0.2

1080

Table with columns: FRF, La Forest Royal, 2.91 251 ePn Pn 12 23 43.2 -0.2









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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ONAJ Iwakimizuishiy, JMM Marumori, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DENT Denizli, KULA Kula-Manisa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KULA Kula-Manisa, GOLH Golhisar, etc.

IDD 24 14:27:33.0; 1.0, 8.0S; 154°69E, h0km, mb4.0/10, mb1.4/11, mb1mx4.1/16, mbtmp4.0/11, ML3.9/1, MS3.4/2, Ms1.3/2, ms1mx2.8/25, Error ellipse: s-maj=28.9km s-min=20.9km az=123.0

NEIC 24 14:57:40.1; 1.7, 8.0S; 154°81E, h54km, 18km, mb4.1/3, Error ellipse: s-maj=17.4km s-min=13.4km az=151.0

ISCJB 24 14:57:44.1; 1.5, 8.1S; 154°53E, 0'07, h86km, 17km, n34, 0'091/34, mb3.8/12, D'Entrecasteaux Islands region

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

NIED 24 15:11:00.0; 1.0, 141.70E, h35km, Mw3.8 Best double couple: M4.91000x1014 NP1.0x20.00000 886.00000, 7.104.00000 NP2.0x127.00000 815.00000, lambda 18.00000

IDD 24 15:11:22.4; 4.6, 35.98N; 143°16E, h0km, mb3.8/5, mb1.3/8.8, mb1mx3.6/23, mbtmp3.6/8, ML3.6/2, Error ellipse: s-maj=81.5km s-min=49.5km az=142.0

NEIC 24 15:11:30.7; 2.6, 36.47N; 142°45E, h10km, mb4.4/1, Error ellipse: s-maj=47.1km s-min=15.2km az=144.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ONAJ Iwakimizuishiy, JMM Marumori, etc.



Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CHNS, CHKT, CHHK, etc.

MAN 24 18:34:37, 13:59N:120:70E, h112km, mb4.3, ML3.1, MS2.9, 1C, Mindoro

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KHAL, KHAL, GOLH, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KORT, KORKU, AKHS, etc.

IDC 24 18:38:58.5, 9.2, 221.95S:65:71W, h260km, mb3.4/1, mb1 3.2/2, mb1mx2.9/15, mbtmp3.1/2, Error ellipse: s-maj=113.9km s-min=76.7km az=28.0, Jujuy Province

ISCJB 24 18:42:04.0, 5.0, 4.2, 281.18N:104:139.71E:0.0, h501km, 5km, mb3.6/24, Error ellipse: s-maj=11.0km s-min=5.7km az=164.0

IDC 24 18:42:04.9, 0.5, 28.151N:139:69E, h491km, 6km, mb3.1/16, mb1 3.3/19, mb1mx3.2/28, mbtmp3.1/19, Error ellipse: s-maj=14.0km s-min=8.4km az=75.0

NEIC 24 18:42:05.0, 4.0, 4.2, 281.19N:139:64E, h494km, 5km, mb4.0/10, Error ellipse: s-maj=7.4km s-min=6.5km az=68.0

JMA 24 18:42:05.0, 6.0, 2.2, 281.31N:139:55E, h500km, 4km, M4.1, ISC 24 18:42:05.0, 6.0, 2.2, 281.31N:139:55E, h500km, 4km, M4.1, n7.0, <0.88/96, mb3.6/24, Bonin Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CBIJ, JHHU, JHUJ, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SSSL, ENH, SONM, etc.

ISK 24 18:47:15.3, 37:86N:29:22E, h5km, MD2.8, DDA 24 18:47:15.6, 37:90N:29:27E, h7km, 4km, MD3.0, ISCJB 24 18:47:16.1, 0.4, 37:88N:0:02:29:23E:0.05, h10km, Error ellipse: s-maj=5.6km s-min=3.2km az=162.5

CSEM 24 18:47:16.0, 0.2, 37:88N:29:26E, h2km, MD2.8, Error ellipse: s-maj=5.3km s-min=3.8km az=77.0

ISC 24 18:47:16.4, 0.5, 37:89N:0:02:29:25E:0.05, h0km, 8km, n2.8, <0.91/40, Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DENT, KHAL, GOLH, etc.

ISCJB 24 18:52:47.6, 1.4, 10:0S:0:1x108:71E:0:05, h37km, 12km, mb3.6/5, Error ellipse: s-maj=17.5km s-min=7.7km az=164.1











Table with columns: Code, Station Name, Az, El, P, Max, Time, Res, ISC, H, M, S, ISC. Includes stations like BRVK Borovoye, DANN Dangsing, KOLN Koldanda, AKTO Aktyubinsk, etc.

Table with columns: Code, Station Name, Az, El, P, Max, Time, Res, ISC, H, M, S, ISC. Includes stations like YKA Yellowknife Ar, WRA Warramunga Arr, WRAB Tennant Creek, etc.

Table with columns: Code, Station Name, Az, El, P, Max, Time, Res, ISC, H, M, S, ISC. Includes stations like EFP Epifalio, EVR Evrytania, JAN Janina, etc.

Table with columns: DIVS, Divbare, 5.65 358 ePn, Pn, 19 59 49.9 -1.4, etc. Lists various stations and their coordinates.

NNC 24 20:02:09.6-4.6, 37°08'N-71°05'E, h196km, 58km, mb2.4, mP, 0.5, Error ellipse: s-maj=44, 1km s-min=25.7km az=23.0

ISC 24 20:01:59.3-2.8, 36°4N-01°17'2E-0°2, h113km, 49km, n13, c13/3/16, 5C-1D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like Karatay Array, Tokmak 2, etc.

ISK 24 20:31:37.2, 38°77'N-40°20'E, h5km, MD2.9, DDA 24 20:31:37.7, 38°84'N-40°27'E, h6km, 5km, MD2.9

CSEMI 24 20:31:37.9-0.7, 38°94'N-40°02'E, h2km, MD2.9, Error ellipse: s-maj=15.5km, s-min=7.0

ISCJB 24 20:31:38.1-0.5, 38°80'N-0°03'-40°20'E-0°5, h10km, Error ellipse: s-maj=5.6km s-min=4.5km az=152.4

ISC 24 20:31:38.0-0.9, 38°77'N-0°04'-40°19'E-0°6, h5km, gkm, n20, c05/70/26, Turkey

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

NIED 24 20:32:00, 42°30'N-144°70'E, h35km, Mw4.9 Best double couple: M2.85000x10^16 NP1.3x23.00000°, δ81.00000°, 1.78.00000°

SZGRF 24 20:32:03.7, 43°34'N-146°98'E, h33km, mb4.9, Kuril Islands, Russia

ISCJB 24 20:32:05.3-0.3, 42°24'N-0°02'-144°62'E-0°3, h37km, 2km, mb5.0/188, MS4.5/43, Error ellipse: s-maj=4.6km

s-min=2.6km az=42.1 SKHL 24 20:32:06.0, 1.7, 42°23'N-144°75'E, h55km, 14km, mb5.1/1, Ms4.7/3, msh5.4/2 JMA 24 20:32:06.1, 42°31'N-144°72'E, h32km, 1km, MS.0

ISC 24 20:32:07.0-0.7, 42°32'N-144°61'E, h44km, 15km, mb4.4/36, Mb1.5/4.0, mb1mx4.5/4.0, mbtmp4.4/4.0, ML4.3/3, MS4.3/2.4, Ms1.4.3/2.4, ms1mx4.2/3.8, Error ellipse: s-maj=13.4km s-min=10.7km az=144.0

BUI 24 20:32:07.2, 42°33'N-144°32'E, h40km, mb5.2/37, mb5.1/59, Ms4.6/5.4, Ms7.4/5/5.4 NEIC 24 20:32:08.5-0.5, 42°34'N-144°53'E, h47km, 4km, mb5.2/105, MW4.9(NIED), Error ellipse: s-maj=5.4km s-min=3.4km az=154.0

NEIC Recorded [2 JMA] in southeastern Hokkaido. Also recorded [1 JMA] in Aomori and Iwate, Honshu. TEH 24 20:32:09.0, 42°35'N-144°39'E, h48km GGMT 24 20:32:09.3-0.5, 42°09'N-144°71'E, h43km, 2km, MW4.9

Moment Tensor Solution, s22,c28; s54,c80; Moment tensor: Scale 10^16Nm; Mr1.97±.23; Ms±1.62±.14; Mw±0.35±.13; Mo±1.33±.13; Mo±1.03±.08; Mo±0.99±.10; Best double couple: M2.70000x10^16 NP1.3x24.00000°, δ26.00000°, λ100.00000°. NP2.3x25.00000°, δ64.00000°, λ85.00000°. Principal axes: T 2.5600, Plg7.0000°, Azm316.0000°; N 0.2100, Plg4.0000°, Azm58.0000°; P -2.7700, Plg19.0000°, Azm149.0000°; Data Used: II UIC G. O.

ISC 24 20:32:07.0-0.7, 42°30'N-0°02'-144°60'E-0°3, h35km, 4km, h47km, 8km, pP-P, n63.4, c097/663, mb5.0/188, MS4.5/43, 9C-1K, Hokkaido region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists stations like Akkeshi, Onbets, Churui, Erimo, etc.

Table with columns: YSS, comp=Z, 4um, 17.0s, MLR, MLR, etc. Lists various stations and their coordinates.



24d 20h

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like DMN Daman, GKN Gorkha, FRU Bishkek, etc.

2008 DEC

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like MOS Moscow, IMON Monand, MOI Moi Rana, etc.

109Z

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like ISRV Sarvestan, WBK Wadi Bani Khal, DUG Dugway, etc.

Table with columns: BRG, Berggishubel, 77.73 331, iP, P, 20 43 59.6 -0.3, etc. Lists various astronomical objects and their properties.

Table with columns: KRUS, Krusevo, 82.27 331, eP, P, 20 44 23.0 -1.6, etc. Lists astronomical objects for December 2008.

Table with columns: MVIF, Mont Vial, 86.09 331, eP, P, 20 44 43.7 -0.3, etc. Lists astronomical objects for a 24-day 20-hour period.





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

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

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

BJI 24 21:08:12.0, 30.06N; 102.76E, h19km, ML3.0/8

WEL 24 21:33:05.1, 1.3637S; 177.56E, h33km, ML3.5/4, Error ellipse: s-maj=7.9km s-min=6.6km az=0.0, Off east coast of North Island

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

ISC 24 21:11:39.3, 1.4, 46.92N; 155.50E, h0km, mb3.6/10, mb1.3/8.1, mb1mx3.6/24, mbtmp3.6/11, ML3.4/1, MS3.0/1, Ms1.3/0.1, ms1mx2.5/36, Error ellipse: s-maj=40.5km s-min=18.8km az=172.0

ISC 24 21:11:42.6, 0.9, 47.0N; 0.1, 155.4E; 0.2, h33km, mb3.6/11, Error ellipse: s-maj=23.1km s-min=13.6km az=150.8

NEIC 24 21:11:44.6, 0.9, 47.02N; 155.36E, h35km, mb3.9/2, Error ellipse: s-maj=23.1km s-min=13.6km az=152.0

ISC 24 21:11:41.6, 10.0, 47.0N; 0.2, 155.4E; 0.2, h14km, mb2km, n25, 0.076/25, mb3.6/11, East of Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PETK, SONM, TWG, ZALV, MKAR, KURK, YKA, etc.

ISCJB 24 21:31:40.1, 0.7, 5.26N; 0.06, 73.59W; 0.10, h166km, 8km, mb3.5/2, Error ellipse: s-maj=17.2km s-min=7.9km az=25.2

FUNV 24 21:31:40.2, 5.01N; 73.69W, h17km, MW3.8

NEIC 24 21:31:41.3, 0.9, 5.17N; 73.60W, h160km, 9km, mb3.4/1, Error ellipse: s-maj=21.7km s-min=14.9km az=85.0

ISC 24 21:31:42.0, 2.8, 4.83N; 74.21W, h169km, 5km, mb3.2/2, mb1.3/4.2, mb1mx2.9/20, mbtmp3.2/2, Error ellipse: s-maj=38.7km s-min=5.6km az=94.0

ISC 24 21:31:41.0, 0.7, 5.23N; 0.06, 73.57W; 0.09, h159km, 8km, n25, 0.072/28, mb3.5/2, 3D, Colombia

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

WEL 24 21:33:05.1, 1.3637S; 177.56E, h33km, ML3.5/4, Error ellipse: s-maj=7.9km s-min=6.6km az=0.0, Off east coast of North Island

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

ISC 24 21:37:45.0, 1.5, 14.67S; 167.87E, h0km, mb3.9/5, mb1.4/1.6, mb1mx3.8/17, mbtmp3.9/6, ML3.9/1, Error ellipse: s-maj=59.2km s-min=26.6km az=124.0, Vanuatu Islands

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

ISC 24 22:11:18.3, 2.8, 2.45S; 141.22E, h0km, mb4.0/2, mb1.4/0.3, mb1mx3.6/14, mbtmp3.9/3, ML3.9/1, Error ellipse: s-maj=119.4km s-min=30.6km az=82.0, Near north coast of New Guinea

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

ISC 24 22:15:06.5, 0.6, 55.05N; 0.02, 161.87E; 0.06, h73km, 9km, KRSC 24 22:15:06.4, 0.3, 55.08N; 161.80E, h64km, 55km, ML4.0

MOS 24 22:15:06.4, 0.5, 55.05N; 161.84E, h53km, mb4.2/1, Error ellipse: s-maj=29.8km s-min=17.5km az=90.7

ISC 24 22:15:07.5, 0.6, 55.06N; 0.02, 161.87E; 0.06, h65km, 11km, n27, 0.085/50, Near east coast of Kamchatka Peninsula

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

PET comp=2.61nm, 0.4s smax

PET comp=E.211nm, 0.3s smax

PET comp=N.201nm, 0.5s smax

ISCJB 24 22:32:16.3, 0.4, 38.36N; 0.02, 21.92E; 0.03, h7km, 3km, Error ellipse: s-maj=4.5km s-min=3.1km az=1.1

ATH 24 22:32:16.6, 38.35N; 21.90E, h5km, 1km, MD3.0/2

THE 24 22:32:16.5, 38.36N; 21.93E, h10km, 1km, ML1.7/5, Error ellipse: s-maj=1.5km s-min=0.7km az=93.0

CSEM 24 22:32:16.2, 0.1, 38.36N; 21.95E, h6km, 1km, MD3.0, Error ellipse: s-maj=3.0km s-min=1.9km az=97.0

ISC 24 22:32:16.5, 0.4, 38.36N; 0.02, 21.92E; 0.04, h9km, 3km, n40, 0.064/64, Greece

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

ISC 24 22:34:05.4, 1.8, 57.83S; 26.10W, h0km, mb3.9/1, mb1.3/9.1, mb1mx3.5/11, mbtmp3.9/1, Error ellipse: s-maj=102.0km s-min=68.5km az=136.0, South Sandwich Islands region

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

ISC 24 22:51:49.2, 7.5, 17.90S; 70.20W, h125km, 48km, mb3.3/2, mb1.3/3.4, mb1mx3.2/17, mbtmp3.1/4, Error ellipse: s-maj=106.2km s-min=46.3km az=27.0, Near coast of Peru

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

DDA 24 23:11:57.8, 37.96N; 29.21E, h7km, 2km, MD2.5

ISCJB 24 23:11:58.1, 0.6, 37.94N; 0.03, 29.19E; 0.06, h10km, Error ellipse: s-maj=6.7km s-min=5.0km az=172.9

ISK 24 23:11:58.2, 37.93N; 29.18E, h8km, MD2.6

CSEM 24 23:11:58.3, 0.7, 37.94N; 29.22E, h2km, MD2.6, Error ellipse: s-maj=4.1km s-min=3.0km az=92.0

ISC 24 23:11:58.3, 0.7, 37.93N; 0.04, 29.22E; 0.07, h3km, 11km, n18, 0.050/24, Turkey

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

NEIC 24 23:13:53.3, 16.82N; 100.21W, h2km, MD3.2(MEX), After MEX

MEX 24 23:13:54.3, 0.7, 16.90N; 100.15W, h10km, 7km, MD3.5, Near coast of Guerrero

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

ISC 24 23:15:32.5, 1.2, 1.50N; 127.82E, h0km, mb4.1/5, mb1.4/1.5, mb1mx3.9/16, mbtmp4.1/5, Error ellipse: s-maj=150.8km s-min=19.6km az=68.0

ISCJB 24 23:15:34.9, 0.5, 1.60N; 0.04, 128.33E; 0.08, h33km, mb4.7/19, Error ellipse: s-maj=11.4km s-min=5.6km

NEIC 24 23:15:36.6, 0.4, 1.68N; 128.48E, h35km, mb4.3/7, Error ellipse: s-maj=19.4km s-min=4.8km az=66.0

DJA 24 23:15:42.1, 33N; 127.43E, h36km, ML4.0/5

ISC 24 23:15:37.2, 0.5, 1.55N; 0.04, 128.27E; 0.08, h35km, n47, 0.067/49, mb4.7/19, Malahera

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









Table with columns for station call letters, frequency, power, and other technical details. Includes stations like GUMO Guam, TLE Tual, RKT Rikitea, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KSM comp=Z,60nm,1.0s,ms5.6, YULB Yu-Hi, YUK Yuzh-Kuril'sk, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like WHN comp=N,1.0m,22.8s, WHN comp=E,1.0m,30.5s, CHGN Chignik, etc.







Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like L23A Garrett, E20A Meyer Farm, I22A 9 Mile Ranch, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like LVC comp=Z,331nm,19.0s,MS4.9, OTAV Otavalo, BRAL Brewton, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like KEV Kevo, APA Apatity, BOSA Boshof, etc.





25d 1h

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like AKASG Malin Array Be, KIEV Kiev, JOF Joensuu, etc.

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Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MBDF Montbardon, MEZF Maizieres Jvi, FRF La Foret Royal, etc.

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Table with columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like ZIIG Zihuatanejo, CAIG El Cayaco, ACX Acapulco, etc.

IDC 25 00:37:23.9: 1.2: 6.82S: 148.17E: h0km, mb4.2/12, mb1 4.3/13, mb1mx3 3/17, mb0t/2.13, ML4.2.1, MS3.3/1, Ms1 3.3/1.1, ms1mx3 1/24, Error ellipse: s-maj=40.8km, s-min=18.3km az=103.0

ISCBJ 25 00:37:30.6: 2.1: 6.84S: 0.08: 147.9E: 0.2: h63km, 19km, mb4.1/13, Error ellipse: s-maj=25.3km s-min=13.3km az=1.7

NEIC 25 00:37:32.6: 1.9: 6.88S: 147.95E: h67km, 19km, mb4.0/5, Error ellipse: s-maj=24.9km s-min=14.2km az=108.0

ISC 25 00:37:32.6: 1.9: 6.89S: 149.09E: 0.2: h68km, 18km, mb4.4, 0.89/42, mb4.0/13, Eastern New Guinea region

Table with columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like PMG Port Moresby, CTA Charters Tower, WRA Warramunga Arr, etc.

NEIC 25 00:43:49.0: 35.19S: 70.60W, h40km, MD3.9(GUC), After GUC 25 00:43:49.0: 0.7: 35.19S: 70.60W, h40km, 7km, MD3.9, TACH 25 00:43:49.0: 1D, Chile-Argentina border region

Table with columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like NICH Los Niches, CACH El Canelo, CHCH Chadas Angostu, etc.



DDA 25 01:00:16.4, 39°50'N, 28°08'E, h7km, 4km, M3.0
ISC 25 01:00:17.0, 0.5, 39.50N, 0.02, 28.05E, 0.03, h5km, 5km,
n42, c093/58, Turkey

NEIC 25 02:06:31.6, 38°74'S, 175°73'E, h143km, MG.4 (WEL),
After WEL.

WEL 25 02:06:31.9, 0.2, 38.75S, 175.74E, h140km, 2km, ML.4, 4/21,
3C-1D, Error ellipse: s-maj=1.3km s-min=0.9km az=90.0.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like DURS, GONE, AKS, etc.

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

Table with columns: CAW, Cannon Point, 2.41 192, PN, Pn, 02 07 09.5 -1.9. Lists stations like CAW, Cannon Point, MTW, etc.

ISC 25 02:16:35.2, 5.2, 28°23'N, 138°58'E, h376km, 64km, mb3.0/3,
mb1 3.2/5, mb1mx2.8/24, mbtmp3.0/5, Error ellipse:
s-maj=122.5km s-min=16.9km az=73.0, Bonin Islands

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

ISC 25 02:29:27.9, 1.8, 34°85'N, 0°03'37'E, 0.05, h15km, 16km,
mb3.5/7, Error ellipse: s-maj=7.2km s-min=5.4km
az=153.2

ISC 25 02:29:27.6, 1.0, 34°74'N, 73°04'E, h0km, mb3.7/8,
mb1 3.8/10, mb1mx3.6/26, mbtmp3.7/10, ML.3/8.2, Error
ellipse: s-maj=32.4km s-min=19.6km az=49.0

NDI 25 02:29:27.3, 2.5, 34°49'N, 72°38'E, h10km, ML.3.5
NEIC 25 02:29:29.0, 2.0, 5.4, 34°81'N, 73°33'E, h10km, Error ellipse:
s-maj=13.3km s-min=5.4km az=225.0

ISC 25 02:29:29.2, 3.3, 34°80'N, 0°04'73'E, 0.05, h8km, 16km,
n31, c099/47, Turkey

MAN 25 01:29:51, 8.67N, 126°31'E, h117km, mb4.6, ML.3.5, MS3.4,
1C, Mindanao

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

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

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

ISK 25 01:38:50.5, 39°98'N, 89°33'E, h5km, MD.2.9
ISC 25 01:38:51.7, 0.4, 39°97'N, 0°03'39'E, 0.03, h10km, Error
ellipse: s-maj=0.4km s-min=0.3km az=143.3

DDA 25 01:38:51.6, 40°01'N, 39°96'E, h20km, 3km, M3.0
CSEM 25 01:38:51.5, 0.2, 39°97'N, 39°87'E, h2km, MD.3, 0, Error
ellipse: s-maj=5.6km s-min=4.4km az=150.0

ISC 25 01:38:52.1, 0.5, 39°97'N, 0°03'39'E, 0.04, h5km, 5km,
n31, c099/47, Turkey

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

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

ISC 25 02:29:29.2, 3.3, 34°80'N, 0°04'73'E, 0.05, h8km, 16km,
n31, c099/58, mb3.5/7, 2C-2D, Pakistan

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

ISC 25 01:47:21.9, 3.2, 6.54S, 103°46'E, h0km, mb3.7/6,
mb1 3.9/6, mb1mx3.7/19, mbtmp3.7/6, Error ellipse:
s-maj=145.0km s-min=21.2km az=55.0, Southwest of
Sumatera

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

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





25d 3h

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like BRY Bratogost, SMOL Smolenice, VRAC Vranov, etc.

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Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like DPC Dobruska-Polom, MORC Moravsky Berou, etc.

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Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like STHS Stebnicka Huta, KESR Kesra, etc.

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Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like DBIC Dimbokro, KKAR Karatay Array, EKS2 Erkin-Say, etc.

BUI 25 03:20:25.6, 5.50N; 125.68E, h207km, mb6.2/49, mb6.0/74

NEIC 25 03:20:29.4, 0.1, 5.75N; 125.38E, h206km, mb6.1/130

Principal axes: T 3.0300, Plg1.0000, Azm25.0000; N 0.0200, Plg5.0000, Azm358.0000; P -3.0600, Plg25.0000, Azm91.0000

NEIC Felt [V PIVS] at General Santos; [IV PIVS] at Banga, Davao, Koronadal, Malita, Surallah and Tagum; [III PIVS] at Alabel, Bislig, Cotabato, Digos, Kidapawan, Makilala and Matatalam; [II PIVS] at Kabacan, Nabunturan, Perez, Pikit and Tarragona. Also felt at Mati and Santa Cruz. Felt [III] on Pulau Ternate and at Naha and Tahuna, Pulau Sangihe, Indonesia.

MAN 25 03:20:29.5, 0.3, 5.72N; 125.46E, h206km, mb5.5/37, mb1.5/6/39, mb1mx5.6/39, mbtmp5.5/39 Error ellipse: s-maj=6.6km s-min=4.0km az=69.0

DJA 25 03:20:30.4, 0.9, 5.72N; 125.66E, h211km, mb6.4/108

MOS 25 03:20:30.4, 0.9, 5.72N; 125.46E, h233km, mb6.0/72 Error ellipse: s-maj=10.8km s-min=6.2km az=106.5

ISC 25 03:20:29.6, 0.1, 5.78N; 0.01; 125.52E; 0.02, h209km, h209km, 1.1km; p-P, n1598, s126/1051, mb5.9/244, 261C-202D, Mindanao

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like GSPH General Santos, DAV Davao City (W), KCP Kidapawan, etc.

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Main table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like PAGZ Pagadian, BUTP Butuan, IPIL Ipil, ZMHP Zamboanga City, etc.

25d 3h

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes stations like SSLB Sibulan, NACB Ninganchiao, KRKI Karangates, etc.





NWAO	comp=Z,95nm,1.1s,baz=249,slow=18,SNR=6.8	S	S	03 33 22.7	-0.4
NWAO	Narogin (SRO) 39.29 191	eP	P	03 27 38.8	+0.6
NWAO	comp=Z,2um,1.3s,mb6.6	eScP	ScP	03 33 11.5	+0.2
NWAO	Narogin (SRO) 39.29 191	P	P	03 33 22.7	-0.4
NWAO	comp=N,95nm,1.1s,SNR=5.9	S	S	03 27 38.9	+0.7
NWAO	Narogin (SRO) 39.29 191	P	P	03 27 39.2	+1.0
ERM	Erimo 39.35 21	eP	P	03 27 40.8	+2.3
ERM	Erimo 39.35 21	eP	P	03 27 40.8	+2.2
ERM	Erimo 39.35 21	eP	P	03 27 41.9	+3.3
CAL	comp=N,815nm,0.9s,mb3.3,SNR=20	ePKP	AMB	03 27 43.5	+2.8
CAL	Calcutta 39.57 299	eP	AMB	03 27 46.3	
CAL	comp=Z,1um,0.6s,mb6.4	eS	S	03 33 30.1	+2.4
BBOO	Buckleboo 39.66 166	eP	P	03 27 41.9	+0.6
BBOO	comp=Z,9um,0.7s,mb7.3	eScP	ScP	03 33 12.9	+0.2
EIDS	Eidsvold 39.69 142	eP	P	03 27 41.0	-0.7
EIDS	comp=Z,782nm,1.3s,mb6.0	eP	P	03 29 18.1	
EIDS	Lhasa 40.20 310	eP	P	03 33 14.7	+1.7
LSA	Lhasa 40.20 310	eP	P	03 27 47.9	+2.1
LSA	comp=Z,270nm,1.3s,mb5.5	pmax	pmax	03 28 34.9	+5.0
LSA	comp=Z,5um,10.0s	LR	LR	03 30 3.3	-1.6
LSA	comp=N,2um,19.0s	LR	LR	03 33 31.5	-5.4
LSA	comp=E,3um,18.0s	LR	LR		
LSA	comp=Z,3um,19.0s	LR	LR		
LSA	Lhasa 40.20 310	eP	P	03 27 47.6	+1.8
LSA	comp=Z,996nm,1.4s,mb6.0	eP	P	03 28 33.1	+3.2
LSA	Lhasa 40.20 310	eP	P	03 33 16.2	+1.2
LSA	Lhasa 40.20 310	eP	P	03 27 47.6	+1.8
LSA	Lhasa 40.20 310	eP	P	03 28 33.1	+3.2
LSA	Lhasa 40.20 310	eP	P	03 33 40.3	+3.4
STKA	comp=Z,995nm,1.4s,mb6.0	eP	P	03 27 48.4	+0.6
STKA	Stephens Creek 40.46 159	eP	P	03 33 16.6	+0.6
STKA	comp=Z,302nm,0.7s,mb3.9,baz=332,slow=8.0,SNR=46.8	eP	P	03 33 39.8	-0.8
STKA	comp=Z,168nm,0.8s,baz=341,slow=5.8,SNR=4.8	eP	P	03 27 48.3	+0.5
STKA	Stephens Creek 40.46 159	eP	P	03 33 37.2	-3.4
STKA	Stephens Creek 40.46 159	eP	P	03 27 48.4	+0.6
STKA	comp=Z,292nm,1.1s,baz=200,slow=18,SNR=10	eP	P	03 33 16.4	+0.5
STKA	Stephens Creek 40.46 159	eP	P	03 33 39.8	-0.8
STKA	Stephens Creek 40.46 159	eP	P	03 33 40.2	-0.3
STKA	Stephens Creek 40.46 159	eP	P	03 27 51.3	+1.3
GTA	Gaotai 40.73 329	eP	P	03 28 38.8	+4.5
GTA	comp=Z,897nm,1.0s,mb6.2	eP	P	03 28 59.8	+1.8
GTA	Gaotai 40.73 329	eP	P	03 33 17.6	+0.7
GTA	Gaotai 40.73 329	eP	P	03 33 46.9	+2.3
GTA	Gaotai 40.73 329	eP	P	03 35 03.1	+0.4
GTA	Gaotai 40.73 329	eP	P	03 36 50.5	-3.9
GTA	Gaotai 40.73 329	eP	P	03 37 32.0	-0.2
GTA	comp=Z,540nm,1.3s,mb5.8	pmax	pmax		
GTA	comp=Z,4um,5.0s	LR	LR		
GTA	comp=N,9um,20.0s	LR	LR		
GTA	comp=E,8um,19.5s	LR	LR		
ASAJ	Asahikawa 41.02 19	eP	P	03 27 54.0	+1.7
ASAJ	Asahikawa 41.02 19	eP	P	03 33 19.5	+1.5
BWNR	Bhubaneshwar 41.16 294	eP	P	03 27 51.0	-2.8
TAPN	Taplejung 41.85 305	eP	P	03 28 00.3	+1.0
TAPN	comp=Z,897nm,1.0s,mb6.2	eP	P	03 28 00.3	+1.0
ODAN	Odare 41.92 304	eP	P	03 28 00.5	+0.6
ODAN	comp=Z,897nm,1.0s,mb6.2	eP	P	03 28 00.5	+0.6
ODAN	Odare 41.92 304	eP	P	03 28 00.5	+0.6
YUK	Yuzh-Kuril'sk 42.09 22	eP	P	03 27 54.0	-6.9
YUK	Yuzh-Kuril'sk 42.09 22	eP	P	03 29 41.3	
YUK	Yuzh-Kuril'sk 42.09 22	eP	P	03 33 55.8	-8.5
YUK	Yuzh-Kuril'sk 42.09 22	eP	P	03 37 15.9	-4.7
YUK	comp=Z,1um,1.3s,mb6.1	pmax	pmax		
YUK	comp=N,416nm,1.1s	pmax	pmax		
YUK	comp=E,173nm,1.1s	pmax	pmax		
YUK	comp=Z,936nm,1.1s,mb5.9	pmax	pmax		
WAKE	Wake Island 42.61 28	P	P	03 28 02.9	+0.6
RAMN	Ramite 42.60 304	eP	P	03 28 06.3	+0.9
RAMN	comp=Z,2um,1.3s,mb6.5	eP	P	03 28 06.3	+0.9
RAMN	Ramite 42.60 304	eP	P	03 28 11.3	+1.0
JIRN	Jiri 43.22 305	eP	P	03 28 11.3	+1.0
JIRN	comp=Z,1um,0.9s,mb6.3	eP	P	03 28 11.3	+1.0
HABR	Khabarovsk 43.21 9c	eP	P	03 28 12.5	+1.8
HABR	Khabarovsk 43.21 9c	eP	P	03 29 55.6	
HABR	Khabarovsk 43.21 9c	eP	P	03 30 57.8	
HABR	Khabarovsk 43.21 9c	eP	P	03 30 56.7	
HABR	Khabarovsk 43.21 9c	eP	P	03 34 24.1	+2.1
HABR	Khabarovsk 43.21 9c	eP	P	03 37 43.1	-1.1
HABR	comp=Z,798nm,1.5s,mb5.9	pmax	pmax		
HABR	comp=N,268nm,1.9s	pmax	pmax		
HABR	comp=Z,894nm,1.9s,mb5.9	pmax	pmax		
HABR	comp=E,310nm,1.4s	MLR	MLR		
GUN	Gumba 43.56 305	eP	P	03 28 14.1	+1.0
GUN	Gumba 43.56 305	eP	P	03 28 14.1	+1.0
HIA	Hailar 43.61 355	eP	P	03 28 13.9	+0.8
HIA	Hailar 43.61 355	eP	P	03 29 58.2	
HIA	Hailar 43.61 355	eP	P	03 33 30.0	+1.7
HIA	Hailar 43.61 355	eP	P	03 28 13.9	+0.8
HIA	Hailar 43.61 355	eP	P	03 29 58.2	
KLR	Kul'dur 43.62	eP	P	03 28 10.1	-3.0
KLR	Kul'dur 43.62	eP	P	03 34 22.5	-4.0
KLR	Kul'dur 43.62	eP	P	03 37 41.1	-8.3
KLR	comp=N,120nm,1.6s	pmax	pmax		
KLR	comp=Z,650nm,1.6s,mb5.7	pmax	pmax		
KLR	comp=N,2um,8.5s	pmax	pmax		
KLR	comp=Z,3um,8.5s	MLR	MLR		
KLR	comp=N,3um,13.0s	MLR	MLR		
KLR	comp=E,2um,13.0s	MLR	MLR		
YSS	Yuzh-Sakhalins 43.63 17	eP	P	03 28 14.8	+1.6
YSS	Yuzh-Sakhalins 43.63 17	eP	P	03 29 56.6	
YSS	Yuzh-Sakhalins 43.63 17	eP	P	03 28 14.0	+0.8
YSS	Yuzh-Sakhalins 43.63 17	eP	P	03 34 27.0	+0.3

YSS	Yuzh-Sakhalins 43.63 17	eP	P	03 28 14.8	+1.6
YSS	Yuzh-Sakhalins 43.63 17	eP	P	03 29 56.6	
YSS	Yuzh-Sakhalins 43.63 17	eP	P	03 28 14.0	+0.8
YSS	Yuzh-Sakhalins 43.63 17	eP	P	03 34 27.0	+0.3
YSS	comp=N,8um,14.0s	smax			
YSS	comp=E,3um,14.0s	MLR	MLR		
YSS	comp=N,3um,16.0s	MLR	MLR		
PKI	Pulchoki 43.82 304	eP	P	03 28 15.6	+0.5
PKI	Pulchoki 43.82 304	eP	P	03 28 15.6	+0.5
PKI	Pulchoki 43.82 304	eP	P	03 28 15.6	+0.5
PKI	Pulchoki 43.82 304	eP	P	03 28 15.6	+0.5
ARMA	Armidale 43.83 147	eP	ScP	03 28 15.5	+0.5
ARMA	Armidale 43.83 147	eP	ScP	03 33 31.8	+2.3
ARMA	Armidale 43.83 147	eP	ScP	03 34 30.5	+0.5
ARMA	Armidale 43.83 147	eP	ScP	03 37 52.9	+1.3
ARMA	Armidale 43.83 147	eP	ScP	03 28 15.7	+0.7
ARMA	comp=Z,284nm,0.8s,mb5.7	eScP	ScP	03 33 31.9	+2.4
ARMA	Kuril'sk 43.86 231	eP	P	03 28 16.7	+1.6
KUR	Kuril'sk 43.86 231	eP	P	03 34 32.0	+1.9
KUR	comp=N,80nm,0.9s	pmax	pmax		
KUR	comp=E,110nm,0.9s	pmax	pmax		
KUR	comp=Z,250nm,0.9s,mb5.5	pmax	pmax		
KUR	comp=N,4um,5.0s	pmax	pmax		
KUR	comp=Z,5um,5.0s	pmax	pmax		
KUR	comp=E,3um,4.0s	smax			
KUR	comp=N,15nm,6.0s	smax			
KUR	comp=E,12um,6.0s	smax			
KKN	Kakani 44.01 305	eP	P	03 28 16.9	+0.3
KKN	Kakani 44.01 305	eP	P	03 28 16.9	+0.3
DMN	Daman 44.08 304	eP	P	03 28 17.6	+0.4
DMN	Daman 44.08 304	eP	P	03 28 17.6	+0.4
GKN	Gorkha 44.62 305	eP	P	03 28 21.6	+0.2
GKN	Gorkha 44.62 305	eP	P	03 28 21.6	+0.2
ULN	Ulanbaatar 44.81 342	eP	P	03 28 23.0	+0.4
ULN	comp=E,2um,1.7s,mb6.1	eP	P	03 30 01.6	+0.8
ULN	Ulanbaatar 44.81 342	eP	P	03 33 34.2	+1.0
ULN	Ulanbaatar 44.81 342	eP	P	03 28 23.0	+0.4
ULN	Ulanbaatar 44.81 342	eP	P	03 30 01.6	
ULN	comp=Z,2um,1.7s,mb6.1	eP	P	03 28 22.8	+0.2
ULN	Ulanbaatar 44.81 342	eP	P	03 28 22.8	+0.2
ULN	Ulanbaatar 44.81 342	eP	P	03 28 23.5	+0.9
ULN	Ulanbaatar 44.81 342	eP	P	03 28 23.5	+0.9
SOMN	Somgino Array 44.99 342	eP	P	03 28 24.3	+0.4
SOMN	comp=Z,154nm,0.9s,mb5.3,baz=157,slow=5.2,SNR=319	eP	P	03 29 09.4	+0.4
SOMN	comp=Z,25nm,0.8s,baz=160,slow=14,SNR=1.7	eP	P	03 30 00.8	-0.5
SOMN	comp=Z,37nm,0.6s,baz=162,slow=3.7,SNR=8.5	eP	P	03 33 34.5	+0.5
SOMN	comp=Z,38nm,0.8s,baz=165,slow=4.4,SNR=8.5	eP	P	03 28 24.3	+0.4
SOMN	Somgino Array 44.99 342	eP	P	03 29 09.4	+0.4
SOMN	Somgino Array 44.99 342	eP	P	03 33 34.5	+0.5
SOMN	Somgino Array 44.99 342	eP	P	03 28 24.3	+0.4
SOMN	Somgino Array 44.99 342	eP	P	03 29 09.4	+0.4
SOMN	Somgino Array 44.99 342	eP	P	03 33 34.5	+0.5
SOMN	Somgino Array 44.99 342	eP	P	03 28 24.3	+0.4
SOMN	Somgino Array 44.99 342	eP	P	03 29 09.4	+0.4
MDRS	Chennai 45.19 283	eP	P	03 35 15.4	+4.1
MDRS	comp=Z,367nm,0.4s,mb6.0	eP	P	03 29 17.3	
MDRS	Koldanda 45.38 304	eP	P	03 35 41.2	
MDRS	Koldanda 45.38 304	eP	P	03 28 28.2	+0.7
DANN	Dangising 45.46 305	eP	P	03 28 28.2	+0.7
DANN	comp=Z,1um,0.7s,mb6.3	eP	P	03 28 28.6	+0.5
DANN	Dangising 45.46 305	eP	P	03 28 32.2	+0.9
PYUN	Piuthan 46.01 304	eP	P	03 28 33.2	+0.9
PYUN	Piuthan 46.01 304	eP	P	03 28 33.2	+0.9
ALBI	Allahabad 46.10 300	eP	P	03 28 31.5	-1.6
RIV	Riverview 46.26 150	eP	P	03 28 35.9	+1.7
RIV	Riverview 46.26 150	eP	P	03 30 23.8	-2.2
CAN	Canberra 46.47 153	eP	P	03 28 37.3	+1.6
CAN	comp=Z,545nm,1.1s,mb5.8	eP	P	03 34 42.2	+1.9
CAN	Canberra 46.47 153	eP	P	03 28 37.3	+1.6
CAN	Canberra 46.47 153	eP	P	03 28 38.3	+1.4
CAN	Canberra 46.47 153	eP	P	03 33 42.0	+1.0
TOO	Toolangi 46.97 158	eP	P	03 28 41.4	+1.8
TOO	Toolangi 46.97 158	eP	P	03 35 20.9	+0.3
TOO	Toolangi 46.97 158	eP	P	03 35 18.5	+3.7
JBP	Jabalpur 47.12 296	eP	P	03 28 40.8	-0.2
JBP	Jabalpur 47.12 296	eP	P	03 35 18.0	
HYB	Hyderabad 47.22 288	eP	P	03 28 41.0	-1.6
HYB	comp=Z,210nm,1.0s,mb5.4	eP	P	03 29 26.0	-2.1
HYB	Hyderabad 47.22 288	eP	P	03 29 50.0	-1.5
HYB	Hyderabad 47.22 288	eP	P	03 30 36.0	+0.2
HYB	Hyderabad 47.22 288	eP	P	03 31 36.0	
HYB	Hyderabad 47.22 288	eP	P	03 33 44.0	-0.3
HYB	Hyderabad 47.22 288	eP	P	03 35 20.9	+0.3
HYB	Hyderabad 47.22 288	eP	P	03 36 40.0	-0.3
HYB	Hyderabad 47.22 288	eP	P	03 38 12.0	-2.8
HYB	Hyderabad 47.22 288	eP	P	03 39 06.0	+1.5
NGP	Nagpur 47.51 293	eP	P	03 28 42.4	-1.6
NGP	Nagpur 47.51 293	eP	P	03 35 22.4	-0.6
ZAK	Zakamensk 48.21 341	eP	P	03 35 44.8	-0.3
ZAK	Zakamensk 48.21 341	eP	P	03 35 44.8	-0.3
TRD	Trivandrum 48.24 276	eP	P	03 28 48.7	-1.1
TRD	Trivandrum 48.24 276	eP	P	03 35 22.7	-1.1
NOUC	Port Laguerre 48.60 126	eP	P	03 35 23.7	+0.7
NOUC	Port Laguerre 48.60 126	eP	P	03 35 23.7	+0.7
DZM	Mont Dzumac 48.70 126	eP	P	03 35 35.9	-3.7
DZM	comp=Z,915nm,1.2s,mb6.0	eS	S	03 35 35.9	-3.7

25d 3h

Table with columns: FUNA, Funafuti, Frequency, Mode, Power, and other technical details for various stations.

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Table with columns: Station Name, Frequency, Mode, Power, and other technical details for various stations.

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Table with columns: Station Name, Frequency, Mode, Power, and other technical details for various stations.



Main table containing astronomical data for various stations and sources, including columns for station name, frequency, polarization, and flux density.









Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like NSS Namsos, KTK1 Kautokeino, ARA0 ARCESS Array S, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like VRAC Vranov, RES Resolute Bay, LOR Lormes, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KURK Kurchatov, ILAR Eielson Array, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, ISC. Includes stations like MFT Murefte, GONE Gonen-Balikesi, LPK Lapseki, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, ISC. Includes stations like MJAR Matsushiro Arr, KSRS Korea Arr, KSAR Wanjui Arr, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, ISC. Includes stations like BOLV Bolvadin, BOLV Bolvadin, BOLV Bolvadin, etc.

DDC 25 05:02:37.1, 1.4, 25.94S, 178:16'2W, h308km, 30km, mb3.7/13, mb1 3.9/16, mb1mx3.9/19, mbtmp3.8/16, Error ellipse: s-maj=18.9km s-min=14.9km az=85.0

NEIC 25 05:02:37.1, 1.4, 25.94S, 178:16'2W, h326km, 13km, mb4.4/6, Error ellipse: s-maj=14.7km s-min=10.7km az=119.0

ISC 25 05:02:37.0, 0.9, 26.17S, 178:04'1, h324km, 9km, n107, c1925/89, mb4.0/17, 4.2D, South of Fiji Islands

DDA 25 05:15:26.0, 37:90N-29:25E, h8km, 3km, MD3.4, M3.5

ISC 25 05:15:25.4, 37:87N-29:20E, h3km, MD3.3

ISCJB 25 05:15:26.8, 0.3, 37:88N, 0:02-29:18E, 0.04, h10km, Error ellipse: s-maj=4.2km s-min=2.7km az=160.8

CSEM 25 05:15:26.3, 0.1, 37:87N-29:20E, h2km, MD3.3, Error ellipse: s-maj=3.8km s-min=2.8km az=72.0

ISC 25 05:15:26.7, 0.5, 37:89N, 0:02-29:20E, 0.04, h3km, 4km, n93, c087/123, 4C, Turkey

IDC 25 05:19:07.7, 1.1, 26:91N-130:56E, h0km, mb3.6/5, mb1 3.8/6, mb1mx3.6/22, mbtmp3.7/6, Error ellipse: s-maj=30.4km s-min=25.2km az=68.0

ISCJB 25 05:19:10.0, 0.0, 26:91N-130:49E, h47km, M4.0

JMA 25 05:19:10.0, 0.0, 26:90N-130:45E, 0.04, h35km, n16, c1900/25, mb3.6/5, Southeast of Ryukyu Islands

Table with columns: Code, Station Name, Az, El, P, Res, Time, ISC. Includes stations like MSVF Nonsavu, MXZ Matakaoa Point, PUZ Puketiti, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, ISC. Includes stations like DENT Denizli, DENT Denizli, KHAL Karahalli, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, ISC. Includes stations like BOLV Bolvadin, BOLV Bolvadin, BOLV Bolvadin, etc.

DDA 25 06:13:06.0, 0.8, 37:91N-29:25E, h7km, 2km, MD2.8

ISC 25 06:13:07.0, 37:89N-29:17E, h9km, MD2.6

ISCJB 25 06:13:07.1, 0.6, 37:92N-29:19E, 0.07, h3km, 10km, n20, c096/28, 1C, Turkey



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

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

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

ISCJB 25 07:51:31.0-0.6, 57.72N:01.32-7W:0.2, h10km, mb3.5/9, MS3.5/2, Error ellipse: s-maj=23.0km s-min=10.6km az=36.1

ISC 25 07:51:31.0-0.7, 57.69N:32.75W, h0km, mb3.5/9, mb1.3/8.11, mb1mx3.6/3.1, mbmp3.6/1.1, ML2.82, MS3.6/2, MS1.3.6/2, ms1mx3.0/4.7, Error ellipse: s-maj=32.2km s-min=15.7km az=35.0

NEIC 25 07:51:33.0-0.6, 57.72N:32.69W, h10km, Error ellipse: s-maj=21.1km s-min=9.7km az=218.0

ISC 25 07:51:33.0-0.6, 57.72N:01.32-7W:0.2, h10km, n25, MS3.5/2, MS3.5/9, MS3.5/2, Reykjanes Ridge

ISC 25 08:11:21.2-1.1, 27.93N:52.53E, h0km, mb3.8/10, mb1.3/9.11, mb1mx3.7/2.7, mbmp3.8/1.1, ML3.8/1, Error ellipse: s-maj=45.2km s-min=23.2km az=156.0

ISCJB 25 08:11:22.9-0.5, 28.15N:07.05-52.33E:0.07, h10km, mb3.7/11, Error ellipse: s-maj=10.3km s-min=4.3km az=34.3

SGS 25 08:11:23.5, 28.54N:52.55E, h28km NEIC 25 08:11:27.0, 28.21N:52.25E, h31km, mb3.5/1, MN3.6(TEH), After TEH

CSEM 25 08:11:27.3-0.4, 28.23N:52.36E, h30km, ML3.6, Error ellipse: s-maj=14.0km s-min=7.2km az=140.0

TEH 25 08:11:27.1, 28.21N:52.25E, h31km ISC 25 08:11:24.8-0.5, 28.19N:0.05-52.29E:0.06, h10km, n71, MS19.7/7, mb3.7/1.1, Southern Iran

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

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

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

ISK 25 08:03:54.7, 37.90N:29.24E, h5km, MD2.5

ISCJB 25 08:03:55.6, 0.7, 37.90N:0.04-29.24E:0.08, h13km, gkm, Error ellipse: s-maj=11.0km s-min=4.0km az=158.4

DDA 25 08:03:55.4, 37.90N:29.25E, h7km, MD2.5

CSEM 25 08:03:55.2, 0.2, 37.88N:29.25E, h20km, MD2.5, Error ellipse: s-maj=6.1km s-min=3.7km az=76.0

ISC 25 08:03:56.0-0.7, 37.90N:0.03-29.24E:0.07, h12km, 12km, n12, MS75/23, Turkey

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

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

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

NEIC 25 08:06:36.3, 34.44S:72.39W, h34km, ML2.9(GUC), After GUC

GUC 25 08:06:36.3-0.7, 34.44S:72.39W, h34km, 2km, MD3.8, ML2.9, 4C-2D, Near coast of central Chile

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

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

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

25d 8h

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like YBMT, SWMT, MSO, KCPM, etc.

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Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like SML, MWC, MWC, PASC, etc.

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Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like BNM, ECDSD, ECDSD, etc.









Table of astronomical observations for 25 days in December 2008. Columns include station name, time, position (RA/Dec), and other parameters like magnitude and error.

Table of astronomical observations for 25 days in December 2008. Columns include station name, time, position (RA/Dec), and other parameters like magnitude and error.

Table of astronomical observations for 25 days in December 2008. Columns include station name, time, position (RA/Dec), and other parameters like magnitude and error.







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Table with columns: Station, Time, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Kuril'sk, Nakatsue, Vladivostok, Yuzh-Sakhalins, etc.

2008 DEC

Table with columns: Station, Time, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Tai'an, Hailar, Beijing, Suanglung, etc.

25d 10h

Table with columns: Station, Time, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like LZH, IRK, ZAK, TLY, GYA, etc.

25d 10h

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like Novosibirsk, Sibiu, Shilong, etc.

2008 DEC

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like KSH, AAK, BVA, etc.

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Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like ARCES, JOF, CMA, etc.

MNK	Minsk	73.45	326	eP	P	10 54 43.0	-0.2
F14A	Wisdom	73.47	45	eP	P	10 54 43.5	-0.1
ISAL	Salakas	73.50	328	eP	P	10 54 44.0	+0.6
ISAL	ISAL			AMB	AMB	10 54 52.5	
E15A	Deer Lodge	73.53	44	UP	P	10 54 43.7	-0.2
A18A	Metzger Ranch	73.58	41	UP	P	10 54 43.1	-1.0
IIGN	Ignalina	73.60	328	eP	P	10 54 44.6	+0.5
IIGN	IIGN			AMB	AMB	10 54 53.0	
NACGM	Naroch	73.65	327	e	P	10 54 42.0	-2.4
H13A	Challis	73.68	46	UP	P	10 54 44.8	-0.1
FFC	Flin Flon	73.75	33	eP	P	10 54 44.5	-0.5
FFC	Flin Flon	73.75	33	iP	P	10 54 44.9	-0.1
D16A	Dana Ranch, Ca	73.78	43	UP	P	10 54 45.3	-0.1
HRY	Holler Researc	73.81	44	eP	P	10 54 46.2	+0.6
C17A	Wharram Farm,	73.86	42	UP	P	10 54 45.1	-0.7
B18A	Beardsley Farm	73.93	41	UP	P	10 54 45.7	-0.5
LRM	Limekiln Ridge	73.99	45	eP	P	10 54 47.4	+0.8
E16A	East Helena	74.00	44	UP	P	10 54 46.3	-0.3
I13A	Wildhorse Cree	74.14	47	UP	P	10 54 47.1	-0.4
EGMT	Eagleton	74.17	42	UP	P	10 54 47.2	-0.3
EGMT	Eagleton	74.17	42	eP	P	10 54 47.9	+0.3
H14A	Leadore	74.17	46	UP	P	10 54 47.2	-0.4
DLMT	Dillon	74.18	45	UP	P	10 54 48.5	+0.8
D17A	Six Diamond Ra	74.18	43	UP	P	10 54 47.1	-0.6
B19A	Brinkman Farms	74.33	41	UP	P	10 54 48.4	-0.1
G15A	Dillon	74.35	45	UP	P	10 54 48.6	-0.1
J13A	Cove Ranch, Pi	74.41	47	UP	P	10 54 49.0	0.0
F16A	Kennard Place,	74.48	44	UP	P	10 54 49.5	+0.1
E17A	Martinsdale	74.50	43	UP	P	10 54 49.2	-0.3
I14A	Mackay	74.52	47	UP	P	10 54 49.4	-0.3
A20A	Cobblestone Ra	74.61	40	UP	P	10 54 49.8	-0.3
D18A	Linhart Farms,	74.64	42	UP	P	10 54 50.2	-0.1
NVAR	Mina Array Bea	74.68	53	P	P	10 54 51.7	+0.9
NVAR	NVAR			LR	LR	11 27 06.8	
NVAR	Mina Array Bea	74.68	53	P	P	10 54 51.7	+1.0
C19A	Black Wire Ran	74.72	42	UP	P	10 54 50.8	0.0
B20A	Solberg Farm,	74.83	41	UP	P	10 54 50.9	-0.5
J14A	Carey	74.84	47	UP	P	10 54 51.9	+0.3
HFS	Hagfors	74.94	336	LR	LR	11 30 34.2	
F17A	Fitzpatrick Pl	74.95	44	UP	P	10 54 52.1	-0.1
E18A	Harlowton	74.96	43	UP	P	10 54 52.2	0.0
NB2	NORSAR Subarra	75.03	338	P	P	10 54 52.0	0.0
NOA	NORSAR Array B	75.03	338	P	P	10 54 52.3	0.0
NOA	NOA			LR	LR	11 31 27.5	
NOA	NORSAR Array B	75.03	338	P	P	10 54 52.3	0.0
NOA	NORSAR Array B	75.03	338	P	P	10 54 52.3	0.0
I15A	Montevieu	75.05	46	UP	P	10 54 52.4	-0.3
A21A	Bergtoll Ranch	75.06	40	UP	P	10 54 52.5	-0.2
QLMT	Earthquake Lak	75.16	45	eP	P	10 54 54.0	+0.6
D19A	Cripps Ranch,	75.16	42	UP	P	10 54 53.5	+0.2
AKASG	Malin Array Be	75.25	323	P	P	10 54 53.4	-0.4
AKASG	AKASG			LR	LR	11 50 23.9	
AKASG	Malin Array Be	75.25	323	P	P	10 54 53.4	-0.4
AKASG	Malin Array Be	75.25	323	P	P	10 54 53.4	-0.4
AKAB	Malin Array Si	75.25	323	eP	P	10 54 53.5	-0.3
G17A	Pierce Place,	75.25	44	UP	P	10 54 53.8	-0.1
KIEV	Kiev	75.26	323	eP	P	10 54 53.4	-0.4
KIEV	Kiev	75.26	323	eP	P	10 54 53.4	-0.4
KIEV	Kiev	75.26	323	eP	P	10 54 53.4	-0.4
NAO01	NORSAR Array S	75.28	338	eP	P	10 54 53.8	0.0
C20A	Veseth Ranch,	75.39	41	UP	P	10 54 54.2	+0.2
B21A	Ellsworth Farm	75.36	40	UP	P	10 54 54.3	-0.2
F18A	Big Timber	75.47	43	UP	P	10 54 55.2	0.0
GCMT	Greycliff	75.57	43	eP	P	10 54 56.6	+0.9
A22A	Carnegie Farms,	75.57	39	UP	P	10 54 55.4	-0.2
D20A	Manuel Ranch,	75.60	42	UP	P	10 54 56.0	+0.2
VES	Vestal, Richgr	75.63	56	UP	P	10 54 56.2	-0.1
E19A	Rath Farm, Rou	75.64	42	UP	P	10 54 56.3	+0.2
YNR	Norris Junctio	75.65	45	eP	P	10 55 02.8	+6.6
YFT	Old Faithful	75.72	45	eP	P	10 55 04.4	+7.7
SUW	Suwalki	75.81	328	eP	P	10 54 57.6	+0.7
SUW	Suwalki	75.81	328	eP	P	10 54 56.9	0.0
SUW	Suwalki	75.81	328	eP	P	10 54 56.9	0.0
SUW	Suwalki	75.81	328	eP	P	10 54 56.9	0.0
F19A	Roth Farm, Mol	75.93	43	UP	P	10 54 57.3	-0.5
B22A	Reddig Ranch S	75.97	40	UP	P	10 54 57.4	-0.6
E20A	Meyer Farm, Mu	75.97	42	UP	P	10 54 58.3	+0.3
I17A	Pilgrim Ck.	76.19	45	UP	P	10 54 59.4	+0.1
RLMT	Red Lodge	76.20	44	UP	P	10 54 59.9	+0.5
D21A	La Casta Ranch	76.23	41	UP	P	10 54 59.1	-0.3
TPAW	Teton Pass	76.24	46	eP	P	10 55 02.8	+3.2
H18A	Shoshone NF, C	76.25	44	UP	P	10 54 59.4	-0.2
SIM	Simferopol'	76.31	316	eP	P	10 54 54.9	-5.0
SIM	SIM			eS	eS	11 04 35.0	-1.0
LOHW	Long Hollow	76.37	46	eP	P	10 55 06.4	+6.0
REDW	Red Top Meadow	76.37	46	eP	P	10 55 03.9	+3.5
B23A	Brockton	76.38	39	UP	P	10 55 00.6	+0.3
SFJD	Kangerlussuaq	76.39	5	iP	P	10 55 00.4	+0.4
R11A	Troy Canyon, C	76.48	52	UP	P	10 55 01.0	0.0
E21A	Keeler Ranch,	76.52	42	UP	P	10 55 00.8	-0.3
MPMC	Manual Prospec	76.57	55	UP	P	10 55 01.6	+0.1
D22A	Cohagen	76.61	41	UP	P	10 55 01.8	+0.1
H19A	Powell	76.64	44	UP	P	10 55 02.0	+0.2

C23A	Lambert	76.71	40	UP	P	10 55 02.1	-0.1
FURC	Furnace Creek,	76.74	54	UP	P	10 55 02.4	-0.2
I18A	Diamond G Ranc	76.76	45	UP	P	10 55 02.2	-0.3
DGMT	Dagmar	76.78	39	UP	P	10 55 02.2	-0.4
DGMT	Dagmar	76.78	39	eP	P	10 55 05.0	+2.4
BHD	Baghdad	76.79	302	eP	P	10 55 03.8	+0.9
BHD	BHD			ex	x	10 55 14.8	
BHD	BHD			ex	x	11 04 51.7	
LAO	LASA Array	76.88	41	UP	P	10 55 01.9	-1.2
LAO	LASA Array	76.88	41	eP	P	10 55 03.7	+0.6
EDW2	Edwards Air Fo	76.91	56	UP	P	10 55 02.6	-0.9
I19A	Meeteetse	77.03	45	UP	P	10 55 03.7	-0.3
D23A	Lindsay	77.10	40	UP	P	10 55 04.2	-0.2
DUG	Dugway	77.12	49	UP	P	10 55 04.7	+0.1
DUG	Dugway	77.12	49	eP	P	10 55 05.3	+0.7
DUG	Dugway	77.12	49	eP	P	10 55 05.3	+0.7
DUG	Dugway	77.12	49	eP	P	10 55 05.3	+0.7
L17A	Cokeville	77.13	47	UP	P	10 55 04.1	-0.5
M16A	Huntsville	77.16	48	UP	P	10 55 05.0	+0.2
E22A	Miles City	77.18	41	UP	P	10 55 04.3	-0.6
C24A	Savage	77.28	40	UP	P	10 55 05.3	-0.1
G21A	Lodge Grass	77.28	43	UP	P	10 55 05.1	-0.3
K18A	Tollen Ranch,	77.29	46	UP	P	10 55 04.7	-0.8
H20A	Greybull	77.30	44	UP	P	10 55 04.9	-0.7
F22A	Resbud	77.44	42	UP	P	10 55 05.7	-0.6
SHOC	Shoshone	77.46	55	UP	P	10 55 06.5	-0.1
PD01	Pinedale Array	77.47	46	eP	P	10 55 07.0	+0.5
J19A	Growlart	77.47	45	UP	P	10 55 06.8	+0.3
PD02	Pinedale Array	77.48	46	eP	P	10 55 06.7	+0.1
E23A	ismay	77.48	41	UP	P	10 55 06.3	-0.2
BW06	Boulder Array	77.49	46	UP	P	10 55 06.6	-0.1
BW06	Boulder Array	77.49	46	eP	P	10 55 07.0	+0.3
PDAR	Pinedale Array	77.49	46	eP	P	10 55 06.8	+0.1
PDAR	PDAR			LR	LR	11 30 24.0	
PDAR	Pinedale Array	77.49	46	eP	P	10 55 06.8	+0.1
I20A	World	77.57	44	UP	P	10 55 07.4	+0.3
RRX	Edison Barstow	77.58	56	UP	P	10 55 07.1	-0.2
D24A	Glendive	77.60	40	UP	P	10 55 06.9	-0.2
R13A	O'Grain Ranch,	77.60	52	UP	P	10 55 06.9	-0.5
M17A	Scully Gap (B	77.64	47	UP	P	10 55 07.5	0.0
JLU	Jordanella, Gr	77.70	48	eP	P	10 55 14.5	+6.7
L18A	Fontenelle, Gr	77.73	47	UP	P	10 55 07.7	-0.3
H21A	Big Horn, Sher	77.74	43	UP	P	10 55 07.5	-0.6
G22A	Birney	77.78	42	UP	P	10 55 07.8	-0.5
P15A	Leamington	77.82	50	UP	P	10 55 08.2	-0.4
KIS	Kishinev	77.86	320	eP	P	10 55 10.0	+1.4
KIS	KIS			eL	eL	11 21 36.0	
KIS	KIS			LRM	LRM	11 32 28.0	
KIS	Kishinev	77.86	320	eP	P	10 55 10.0	+1.4
KIS	KIS			e	e	10 55 26.0	
KIS	KIS			MLR	MLR		
KIS	KIS			MLR	MLR		
KIS	KIS			MLR	MLR		
N17A	Norfolk Pass	77.86	48	UP	P	10 55 08.1	-0.7
K19A	Absolon Red Bu	77.86	45	UP	P	10 55 08.4	-0.3
O16A	Springville	77.91	49	UP	P	10 55 09.4	+0.3
F23A	Volborg	77.93	42	UP	P	10 55 09.0	-0.1
J20A	Shoshoni	77.97	45	UP	P	10 55 09.2	-0.1
E24A	Baker	77.97	40	UP	P	10 55 09.3	0.0
L19A	Farson	78.02	46	UP	P	10 55 09.6	-0.1
M18A	Lynman	78.02	47	UP	P	10 55 10.0	+0.3
HEC	Hector,Ludlow	78.05	56	UP	P	10 55 10.0	0.0
I21A	Big Trails, Te	78.12	44	UP	P	10 55 10.0	-0.2
H22A	Clearmont	78.14	43	UP	P	10 55 10.3	0.0
ARUT	Antelope Range	78.17	52	eP	P	10 55 11.9	+1.4
ARUT	Antelope Range	78.17	52	eP	P	10 55 12.0	+1.4
ARUT	ARUT			pmx	pmx		
P16A	Fountain Green	78.18	49	UP	P	10 55 10.9	+0.3
K20A	Yellowstone Ra	78.26	45	UP	P	10 55 10.6	-0.3
G23A	Biddle	78.28	42	UP	P	10 55 10.5	-0.5
LVV	L'vov	78.32	324	eP	P	10 55 11.1	0.0
J21A	Lysite	78.33	44	UP	P	10 55 11.3	-0.1
CCUT	Cedar City	78.36	52	eP	P	10 55 13.2	+1.6
F24A	Ekstelek	78.36	41	UP	P	10 55 11.1	-0.4
BEL	Belsk	78.37	327	eP	P	10 55 12.1	+0.8
BEL	Belsk	78.37	327	eP	P	10 55 12.1	+0.7
O17A	Robinson Place	78.38	48	UP	P	10 55 11.9	+0.2
L20A	Wamsutter	78.67	46	UP	P	10 55 13.0	-0.2
LDFC	Landfair	78.71	55	eP	P	10 55 20.7	+7.1
O18A	Roosevelt	78.77	48	UP	P	10 55 13.5	-0.3
P17A	Butcher Ranch,	78.82	49	UP	P	10 55 14.4	+0.3
J22A	Midwest	78.83	44	UP			

25d 10h

Table with columns for ID, Name, Date, Time, and other details. Includes entries like K26A Motz Farm, P22A Eagle, Q21A Lamborn Mesa, etc.

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Table with columns for ID, Name, Date, Time, and other details. Includes entries like T22A Edith, N27A Anderson Farm, Y18A Canyon Day Jun, etc.

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Table with columns for ID, Name, Date, Time, and other details. Includes entries like U26A Atchley Ranch, 121A Cookes Peak, Z22A Elephant Butte, etc.







Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KULA, MANT, YERKESIK, TASOLUK, GEDIZ, etc.

IDC 25 12:08:29.3,0.8,8.16S:118.44E,h0km,mb4.0/7, mb1.4,2/10,mb1mx4.0,22,mbtmp4.1/10,ML4.3/3,MS3.3/6, MS1.3/3,ms1mx3.1/29, Error ellipse: s-maj=4.0,1km

DJA 25 12:08:33.8,16S:118.79E,h10km,MLV4.6/8 NEIC 25 12:08:34.3,0.4,8.19S:118.53E,h35km,mb3.9/1, Error ellipse: s-maj=13.1km s-min=5.9km az=67.0

ISCJB 25 12:08:35.2,0.7,8.11S:0.04:118.72E,0.05,h60km,9km, mb4.2/8, Error ellipse: s-maj=8.6km s-min=6.9km az=30.8

ISC 25 12:08:36.2,0.6,8.17S:0.04:118.77E,0.05,h51km,8km, n41.1,15/48,mb4.2/8,MS3.3/3,Sumbawa region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AFSR, AFAr-Bala, BBAL, KAMT, etc.

ISCJB 25 12:15:34.7,0.4,37.89N:0.02:29.21E,0.04,h7km,7km, Error ellipse: s-maj=5.6km s-min=4.0km az=169.9

ISK 25 12:15:34.7,37.90N:29.22E,h8km,MD2.6 DDA 25 12:15:34.1,37.90N:29.22E,h4km,2km,MD2.8

CSEM 25 12:15:34.7,0.2,37.90N:29.23E,h2km,MD2.6, Error ellipse: s-maj=5.4km s-min=3.4km az=90.0

ISC 25 12:15:35.0,0.5,37.91N:0.02:29.24E,0.05,h3km,15km, n24.0,080/44,Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DENT, DENIZI, DZNL, KAKIROLUK, etc.

IDC 25 12:34:04.6,5.7,7.04S:147.65E,h97km,38km,mb3.1/3, mb1.3/2.5,mb1mx3.1/17,mbtmp3.1/5, Eastern New Guinea region

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

ISCJB 25 12:36:55.3,1.0,52.2N:0.2:173.7W,0.1,1,h96km,5km, mb3.5/4, Error ellipse: s-maj=40.1km s-min=11.2km az=0.8

NEIC 25 12:36:56.7,51.82N:173.25W,h26km,ML2.9(AEIC), After AEIC

IDC 25 12:36:57.9,3.5,52.33N:173.69W,h98km,33km,mb3.2/4, mb1.3/5.7,mb1mx3.2/29,mbtmp3.3/7, Error ellipse: s-maj=50.7km s-min=19.0km az=4.0

ISC 25 12:36:56.5,0.9,52.33N:0.2:173.6W,0.1,h86km,5km,n23, 0.097/27,mb3.5/4, Andreano Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KOSE, KOPF, KOKU, ATKA, etc.

Table with columns: TXAR, Lajitas Array, MKAR, Makanchi Array, HFS, Hagfors, BOSHA, Boshof, BOSHA, Boshof

NIED 25 12:39:00,41.90N:144.50E,h8km,Mw4.5 Best double couple: Ms5.3600x1015 NP1:ms167.00000, d77.00000, 1.52.00000, NP2:ms61.00000, s40.00000, 1.160.00000

IDC 25 12:39:27.0,0.4,41.38N:144.46E,h0km,mb4.6/36, mb1.3/7.7,ms1mx3.3/45, Error ellipse: s-maj=12.4km s-min=10.7km az=128.0

BUI 25 12:39:30.2,41.98N:144.31E,h25km,mb5.0/52, Ms4.4/40, Ms7.4/37

ISCJB 25 12:39:30.3,0.7,41.92N:0.03:144.35E,0.02,h28km,4km, mb4.9/175,MS4.1/19, Error ellipse: s-maj=4.7km s-min=2.6km az=161.2

JMA 25 12:39:30.3,41.90N:144.51E,h22km,1km,M4.7 JMA Fell II J1

MOS 25 12:39:31.4,0.9,41.88N:144.34E,h39km,mb5.3/73, Error ellipse: s-maj=6.8km s-min=4.4km az=107.8

NEIC 25 12:39:32.1,1.1,41.88N:144.39E,h32km,7km,mb5.1/86, MW4.4(NIED), Error ellipse: s-maj=3.8km s-min=2.5km az=154.0

NEIC Recorded [2 JMA] in southeastern Hokkaido, BGS 25 12:39:32.2,1.1,41.35N:142.27E,h33km,mb5.2

SZGRF 25 12:39:35.7,42.83N:143.38E,h33km,mb5.1,Hokkaido, Japan, region

ISC 25 12:39:32.0,1.0,41.96N:0.03:144.36E,0.02,h27km,7km, h33km,2.6km,pp-P,n769,068/77,mb4.9/175,MS4.1/19, 235C-110D,Hokkaido region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ERM, ERMO, JEM, CHURUI, etc.

YSS Yuzh-Sakhalins 5.13 348 ePn Pn 12 40 47.9 +0.9

MAJO Matsushiro 7.21 223 ePn Pn 12 41 14.9 -0.7

MJAR Matsushiro Arr 7.21 223 Pn Sn 12 41 38.8 -0.8

MJAR Matsushiro Arr 7.21 223 Pn Sn 12 41 38.8 -0.8

MJAR Matsushiro Arr 7.21 223 Pn Sn 12 41 38.8 -0.8

MJAR Matsushiro Arr 7.21 223 Pn Sn 12 41 38.8 -0.8

MJAR Matsushiro Arr 7.21 223 Pn Sn 12 41 38.8 -0.8

MJAR Matsushiro Arr 7.21 223 Pn Sn 12 41 38.8 -0.8

MJAR Matsushiro Arr 7.21 223 Pn Sn 12 41 38.8 -0.8

MJAR Matsushiro Arr 7.21 223 Pn Sn 12 41 38.8 -0.8

MJAR Matsushiro Arr 7.21 223 Pn Sn 12 41 38.8 -0.8

MJAR Matsushiro Arr 7.21 223 Pn Sn 12 41 38.8 -0.8

NEIC 25 12:09:38.0,28.27S:70.78W,h56km,MD3.4(GUC), After GUC

GUC 25 12:09:38.0,0.8,28.27S:70.78W,h56km,6km,MD3.4, ML4.1,2C,Central Chile

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

ISK 25 12:26:1.39:36N:33.13E,h8km,MD2.7

ISCJB 25 12:27.2,0.7,39.34N:0.04:33.17E,0.04,h3km,7km, Error ellipse: s-maj=6.2km s-min=5.2km az=173.3

DDA 25 12:27.5,39.37N:33.16E,h8km,MD2.7, Error ellipse: s-maj=6.2km s-min=5.2km az=173.3

KSR5 Korea Array 13.43 256 Pn Pn 12 42 41.0 +0.3





25d 12h

Table with columns for station ID, name, frequency, and other details. Includes stations like KSP Ksiaz, V18A Ganado, OKC Ostrava-Krasne, etc.

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Table with columns for station ID, name, frequency, and other details. Includes stations like Z20A Nine Sixteen, W23A Werner Place, PKSM Moray, etc.

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Table with columns for station ID, name, frequency, and other details. Includes stations like DAVOX Davos/Dischmat, DAVOX Davos/Dischmat, DAVOX Davos/Dischmat, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like MBDF Montbardon, ORIF Oris-en-Rattie, TCF Toulx Ste Croi, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like GAZI Bucak, ERMK Ermenek, SUTC Sutluce-Ispart, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like GLL Jalalah, LTK Loutraki, ASF Aljalal at Asfar, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like DDA 25 12:43:47.8, ISBJB 25 12:43:50.1, CSEM 25 12:43:50.0, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like KOT Kottamia, KYTH Kithira, GVD Gavdhos, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like ONAJ Iwakimizuishiy, CHOU Choshi, JHO Hitachi, etc.

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

PGC 25 13:18:34.5-1.4, 48:89N-128:98W, h10km, ML2.9/14, Mw3.5, 225km west of Tofino, Bc Vancouver Island Region

NEIC 25 13:18:37.9-2.5, 49:12N-128:45W, h10km, mb3.8/1, Mw3.5(PGC), Error ellipse: s-maj=31.7km s-min=12.2km az=217.0

IDC 25 13:16:39.7-3.9, 49:28N-129:02W, h0km, mb3.5/1, mb1 3.6/4, mb1mx3.2/4, mbtmp3.4/4, ML3.3/2, Error ellipse: s-maj=52.2km s-min=31.6km az=70.0

ISC 25 13:18:35.2-1.8, 49:00N-121:28W, 0.2, h9km, 24km, n37, e115D, 5C-15D, Vancouver Island region

Main table for 25d 13h section, listing seismic stations and their characteristics.

GUC 25 13:21:57.0-0.5, 32:61S-72:15W, h16km, 421km, MD3.7, ML3.1, Off coast of central Chile

Table for GUC 25 13:21:57.0-0.5, 32:61S-72:15W, listing stations like IHA, CHNG, etc.

PGC 25 13:22:49.0-3.3, 48:83N-129:02W, h10km, ML3.1, ML3.1/14, 229km west of Tofino, Bc Vancouver Island Region

ISCJB 25 13:22:50.6-0.7, 48:99N-128:04-128:65W, 0.06, h10km, mb3.5/5, Error ellipse: s-maj=6.5km s-min=4.5km az=36.4

IDC 25 13:22:54.0-1.6, 49:15N-128:28W, h0km, mb3.3/4, mb1 3.7/9, mb1mx3.5/27, mbtmp3.5/9, ML3.4/4, MS3.5/1,

M1 3.5/1, ms1mx2.7/25, Error ellipse: s-maj=33.4km s-min=12.5km az=64.0

NEIC 25 13:22:52.2-0.9, 49:20N-128:41W, h10km, mb4.0/2, Error ellipse: s-maj=13.9km s-min=6.9km az=53.0

ISC 25 13:22:52.2-0.7, 49:06N-128:63W, 0.06, h10km, n54, e133D, 7/2, mb3.5/5, 5C-12D, Vancouver Island region

Main table for 2000 DEC section, listing stations like BPBC, WOSB, etc.

NEIC 25 13:30:00.36-5.0N-142:40E, h5km, Mw3.9 Best double couple: M8.20000-1014 NP1:822.00000, 873.00000, 1.38.00000, NP2:347.00000, 850.00000, 1.22.00000

IDC 25 13:30:41.2-0.7, 36:34N-142:52E, h0km, mb3.8/12, mb1 4.0/15, mb1mx3.9/27, mbtmp3.8/15, ML3.7/3, MS3.0/4, M1 3.0/4, ms1mx2.8/49, Error ellipse: s-maj=17.8km s-min=16.2km az=105.0

NEIC 25 13:30:41.6-4.8, 36:28N-142:56E, h4km, 30km, MG3.7(MA), Error ellipse: s-maj=13.1km s-min=8.4km

ISCJB 25 13:30:43.2-1.8, 36:46N-104:142:42E, 0.05, h2km, 13km, mb3.8/13, Error ellipse: s-maj=7.1km s-min=6.2km az=159.1

JMA 25 13:30:43.8-0.2, 36:47N-142:42E, h39km, M3.7, ISC 25 13:30:44.3-1.8, 36:47N-104:142:36E, 0.05, h18km, 12km, n50, e112/62, mb3.8/13, Off east coast of Honshu

Main table for 2000 DEC section, listing stations like ONAJ, JHO, etc.

KSRS comp=2.58mm, 19.8s, baz=40, slow=38 LR LR 13 38 05.6

Table for KSRS section, listing stations like KSAR, SONM, etc.

ISCJB 25 13:53:15.3-0.2, 51:40N-101:6:35E, 0.03, h0km, Error ellipse: s-maj=2.6km s-min=1.9km az=31.5

LDG 25 13:53:17.6-0.1, 51:52N-6:68E, h1km, ML3.2/29, Error ellipse: s-maj=2.0km s-min=1.6km az=158.0, Suspected Mining induced.

NEIC 25 13:53:17.6, 51:52N-6:68E, h1km, ML3.2(LDG), After LDG.

STR 25 13:53:17.3-1.9, 51:43N-7:11E, h10km, ML2.7, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0

BUG 25 13:53:17.9, 51:50N-6:59E, h1km, ML2.6 CSEM 25 13:53:17.4-0.2, 51:46N-6:51E, h1km, ML3.3/17, Error ellipse: s-maj=3.3km s-min=3.1km az=102.0

PRU 25 13:53:19.1, 51:35N-6:61E, h0km BNS 25 13:53:19.3-0.9, 51:47N-6:58E, h1km, ML2.7 BGR 25 13:53:19.2-0.2, 51:47N-6:61E, h1km, ML2.8/6, Error ellipse: s-maj=3.3km s-min=2.2km az=116.0

ISC 25 13:53:17.2-0.2, 51:45N-101:6:51E, 0.02, h0km, n174, e129/318, 1D, Germany

Main table for 1142 section, listing stations like BRHE, LAUG, etc.





25d 14h

Table with columns: STA, Name, Az, El, AzE, AzM, Phase, ID, Time, Res. Includes stations like Stephens Creek, Chiang Mai Arr, CMAR, etc.

IDC 25 14:01:12.5:1.5, 6:23N, 72:27W, h0km, mb3.5/4, mb1.3/8/4, mb1mx3.6/21, m1btp3.5/4, Error ellipse: s-maj=9.2, 7km s-min=24.2km az=78.0.

ISCJB 25 14:01:14.5:2.0, 5:73N, 0:10:72.2W, 0:1, h46km, 19km, mb3.4/4, Error ellipse: s-maj=20.6km s-min=13.3km az=140.0.

FUNV 25 14:01:15.1:5.93N, 72:38W, h4km, MW3.5, ISC 25 14:01:15.3:2.9, 5:83N, 0:08:72.34W, 0:09, h28km, 25km, n21, c064/22, mb3.4/4, Colombia

Main station list table for 25d 14h, including CAPV, SOCV, ELOV, VIGV, SANV, VIRV, etc.

DDA 25 14:05:14.0, 40:99N, 27:22E, h7km, 1km, Md2.7, Turkey

Table with columns: STA, Name, Az, El, AzE, AzM, Phase, ID, Time, Res. Includes SART, BALLY, etc.

ISCJB 25 14:19:27.9:0.8, 37:90N, 0:04:29.18E, 0:07, h12km, 8km, Error ellipse: s-maj=10.2km s-min=5.0km az=30.0.

DDA 25 14:19:27.5, 37:90N, 29:24E, h7km, 2km, Md2.7, CSEM 25 14:19:27.4:0.4, 37:86N, 29:28E, h15km, Md2.7, Error ellipse: s-maj=11.0km s-min=4.1km az=119.0.

ISC 25 14:19:27.9, 37:90N, 29:05E, h6km, Md2.3, ISC 25 14:19:28.0, 37:89N, 0:04:29.22E, 0:07, h15km, 7km, n14, c064/28, Turkey

Main station list table for 25d 14h, including DENT, DNZL, DNZL, etc.

ISCJB 25 14:30:43.5:1.4, 24:3S, 0:1:180.0E, 0.2, h487km, 17km, mb3.6/5, Error ellipse: s-maj=24.2km s-min=18.1km az=179.2.

NEIC 25 14:30:44.0:1.1, 24:32S, 179:93W, h488km, 12km, mb4.2/2, Error ellipse: s-maj=17.4km s-min=13.4km az=104.3.

IDC 25 14:30:45.0:2.9, 24:00S, 179:96E, h490km, 24km, mb3.1/5, mb1.3/4/5, mb1mx3.2/15, m1btp3.1/5, Error ellipse: s-maj=90.6km s-min=26.7km az=157.0.

ISC 25 14:30:44.0:1.3, 24:3S, 0:1:179.9W, 0.2, h485km, 17km, n28, c073/20, mb3.6/5, South of Fiji Islands

Main station list table for 25d 14h, including MSVF, URZ, NRZ, etc.

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Table with columns: FINES, Name, Az, El, AzE, AzM, Phase, ID, Time, Res. Includes FINES FINESS Array B, AKASG, etc.

NEIC 25 14:33:54.1, 45:37S, 166:82E, h12km, ML4.3(WEL), After WEL, WEL 25 14:33:53.0:0.4, 45:30S, 166:78E, h12km, ML4.3/15, 1D, Error ellipse: s-maj=4.0km s-min=2.1km az=90.0, Off west coast of South Island

Main station list table for 2008 DEC, including DCZ, DCZ, DCZ, etc.

NIED 25 14:44:00.23:30N, 121:70E, h47km, Mw4.1 Best double couple: M1.580x0.1015, NP1a:203.00000, 873.00000, 1.126.00000, NP2b:315.00000, 839.00000, 1.27.00000.

NEIC 25 14:44:39.1:0.6, 23:19N, 121:69E, h38km, 5km, mb4.4/1, Error ellipse: s-maj=7.4km s-min=6.5km az=112.0.

NEIC Recorded [3 TAP] in Tai-tung; [2 TAP] in Hua-lien; [1 TAP] in Chia-i, Kao-hsiung, Nan-tou, Tai-chang and Yun-lin.

ISCJB 25 14:44:39.4:0.2, 23:22N, 0:02:121.65E, 0.2, h49km, 2km, mb4.0/19, Error ellipse: s-maj=3.1km s-min=2.2km az=43.1.

IDC 25 14:44:40.9:3.4, 23:24N, 121:77E, h55km, 32km, mb3.7/16, mb1.3/9/17, mb1mx3.8/26, m1btp3.7/17, ML3.8/1, MS3.2/2, Ms1.3.2/2, ms1mx2.5/30, Error ellipse: s-maj=19.2km s-min=14.6km az=59.0.

TAP 25 14:44:40.1, 23:25N, 121:56E, h38km, ML4.5, B JMA 25 14:44:40.3:0.2, 23:29N, 121:67E, h91km, M3.9, BUJ 25 14:44:43.0, 23:72N, 121:13E, h8km, mb4.1/3, mb3.7/5, ML3.5/3.

ISC 25 14:44:40.2:0.2, 23:22N, 0:02:121.64E, 0.02, h41km, 3km, n124, c1801/191, mb4.0/19, 19C-11D, Taiwan

Main station list table for 2008 DEC, including Code, Station Name, Az, El, AzE, AzM, Phase, ID, Time, Res. Includes CHKT, TWF1, YULB, etc.

1144

Main station list table for 1144, including SMLT, SMLT, NACB, etc.

Table with columns: NWF, WNF, TWS1, PNG, HATJ, IRIF, JKRS, JIJ, JTJ, KNM, OZH, JMJ, JMW, JOW, JWH, KSAR, KSRs, KSRs, CMAR, CMAR, SONM, SONM, SONM, MKAR, ZALV, ZALV, KURK, WRA, WRA, BVAR, BVAR, AKTO, AKTO, STKA, STKA, STKA, JOF, ILAR, ILAR, KEV, ARCES, ARCES, FINES, FINES, BRTR, BRTR, NOA, NOA, YKA, YKA, GERES, GERES. Each row contains station name, frequency, power, and other technical details.

Table with columns: LSA, FITZ, FITZ, TAPN, TAPN, ODAN, ODAN, RAMN, RAMN, JIRN, JIRN, GUN, GUN, PKI, PKI, PKI, KKN, KKN, WRAB, WRAB, WRA, WRA, DMN, DMN, ULN, ULN, SONM, SONM, SONM, AS31, ASAR, ASAR, MKAR, MKAR, MKAR, NWAQ, NWAQ, TKM2, TKM2, AAK, AAK, ZALV, ZALV, ZALV, STKA, STKA, EK2S, EK2S, KURK, KURK, BVAR, BVAR, BVAR, BVAR, AKTO, AKTO, AKTO, ILAR, ILAR, ILAR, ARCES, ARCES, FINES, FINES, BRTR, BRTR, NOA, NOA, YKA, YKA. Each row contains station name, frequency, power, and other technical details.

Table with columns: THZ, KHZ, DSZ, LRTZ, CRZ, MOZ, ODZ, ISCJB 25 15:16:08, NEIC 25 15:16:10, Code, Station Name, A°, AZ°, Phase ID, Time, Res. Each row contains station name, frequency, power, and other technical details.

Table with columns: MAN 25 15:01:04, MAN INTENSITY IY, ISCJB 25 15:01:06, IDC 25 15:01:08, NEIC 25 15:01:08, NEIC Fell IY, Code, Station Name, A°, AZ°, Phase ID, Time, Res. Each row contains station name, frequency, power, and other technical details.

Table with columns: WEL 25 15:14:57, Code, Station Name, A°, AZ°, Phase ID, Time, Res. Each row contains station name, frequency, power, and other technical details.

Table with columns: LDFC, CIS, MWC, MWC, PASC, PASC, W13A, DECC, GSC, EDW2, TUC, TUC, ISA, ISA, Y17A, WUJZ, WUJZ, ALBI, NLAI, Code, Station Name, A°, AZ°, Phase ID, Time, Res. Each row contains station name, frequency, power, and other technical details.

25d 18h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BOAC Boac, TGY Tagaytay City, GGP Guinayanagan, AUQP San Andres, etc.

114, c084/18, mb3.5/4, 2C, Mindoro
IDC 25 16:31:02.3.6.0, 38'02"N:74'13"E, h92km, 51km, mb3.2/7,
mb1.3/1.1, mb1mx3.2/30, mbtmp3.2/11, Error ellipse:
s-maj=4.12km s-min=20.8km az=21.0

NEIC 25 16:31:06.7.0.5, 38'19"N:74'37"E, h138km, 7km, mb4.5/15,
Error ellipse: s-maj=8.4km s-min=3.9km az=63.0
NNC 25 16:31:07.7.5.6, 38'61"N:74'06"E, h0km, mb3.9, mpv4.2,
Error ellipse: s-maj=46.3km s-min=3.1km az=171.0
ISC 25 16:31:06.9.0.4, 38'25"N:03'74'39"E, 0.07, h156km, 7km,
mb3.3/7, Error ellipse: s-maj=6.6km s-min=0.4, 5km
az=167.0

Main station list for Mindoro region, including KZA Kyzart, AML Almayashu, UCH Uchtor, etc.

2008 DEC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TAPN Tapplejung, OPAN Tapplejung, TADN Odare, etc.

DDA 25 16:34:51.1, 36'102"N:31'54"E, h8km, 6km, Md3.3
ISCJB 25 16:34:52.7.0.4, 35'91"N:03'31'83"E, 0.04, h10km, Error
ellipse: s-maj=5.3km s-min=3.5km az=37.3
ISK 25 16:34:52.2, 35'89"N:31'86"E, h10km, MD3.4
CSEM 25 16:34:53.1, 0.2, 35'90"N:31'83"E, h10km, MW3.3,
Error ellipse: s-maj=5.1km s-min=3.2km az=35.0
NIC 25 16:34:55.6, 0.3, 36'00"N:32'16"E, h11km, ML3.0, MW3.3
ISC 25 16:34:53.3.0.4, 35'91"N:03'31'83"E, 0.04, h10km, n52,

c096/73, Cyprus region

Main station list for Cyprus region, including GAZI Gazipasa, ALFC Alefga, etc.

IDC 25 16:49:19.5.1.7, 7'35"S:120'33"E, h422km, 18km, mb3.0/5,
mb1.3/2.8, mb1mx2.9/22, mbtmp2.9/8, Error ellipse:
s-maj=94.7km s-min=17.8km az=58.0
NEIC 25 16:49:19.4.0.8, 7'34"S:120'36"E, h423km, 8km, mb3.7/2,
Error ellipse: s-maj=44.9km s-min=8.5km az=61.0
ISC 25 16:49:19.4.1.1, 7'45"S:120'32"E, 0.4, h423km, 12km, n20,

Main station list for Flores Sea region, including KAPI Kappang, FITZ Fitzroy Crossi, etc.

1146

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

ISCJB 25 16:50:12.3.0.6, 49'81"S:108'125'9"E, 0.3, h10km,
mb4.1/7, MS3.8/11, Error ellipse: s-maj=27.8km
s-min=11.1km az=178.3
IDC 25 16:50:12.6.1.0, 49'81"S:125'83"E, h0km, mb3.9/5,
mb1.4/0.6, mb1mx3.7/14, mbtmp4.0/6, ML2.0/1, MS3.9/12,
Ms1.3.9.12, ms1mx3.7/21, Error ellipse: s-maj=48.3km
s-min=19.4km az=100.0
NEIC 25 16:50:14.2.0.5, 49'81"S:125'86"E, h10km, mb4.8/2, Error
ellipse: s-maj=22.3km s-min=9.1km az=89.0
ISC 25 16:50:14.3.0.6, 49'81"S:108'125'9"E, 0.3, h10km, n26,
c093/16, mb4.1/7, MS3.8/11, Western Indian-Antarctic
Ridge

Main station list for Flores Sea region, including NWAO Narrogin (SRO), NWAO Narrogin (SRO), STKA Stephens Creek, etc.

DDA 25 18:02:08.8, 37'90"N:29'26"E, h7km, 3km, Md3.2
ISK 25 18:02:09.6, 37'79"N:29'22"E, h6km, MD3.4
ATH 25 18:02:09.1, 37'90"N:29'01"E, h5km, MD3.5
ISCJB 25 18:02:10.2.0.2, 37'85"N:02'29'24"E, 0.02, h10km, Error
ellipse: s-maj=2.7km s-min=2.3km az=35.0
CSEM 25 18:02:10.0.0.1, 37'78"N:29'25"E, h2km, MD3.2, Error
ellipse: s-maj=4.1km s-min=3.7km az=110.0
ISC 25 18:02:10.0.0.4, 37'83"N:02'29'24"E, 0.02, h0km, 4km,
n99, c1919, 123, C, Turkey

Main station list for Turkey region, including KHAL Karahalli, GOLH Golhisar, etc.

Table with columns: SUTC, Station Name, Az, El, Phase ID, Time, Res. Includes stations like SUTC Sutluce-Ispart, ANTB Antalya, AKHS Akhisar, etc.

Table with columns: MSLP, Station Name, Az, El, Phase ID, Time, Res. Includes stations like MSLP Maasin, GTO Gorontalo, LTLI Lapu-Lapu, etc.

Table with columns: PPBI, Station Name, Az, El, Phase ID, Time, Res. Includes stations like PPBI Pangkal Pinang, CLJI Cilacap, OZH Quanzhou, etc.

SZGRF 25 18:11:36.5, 7.73N:122.55E, h33km, mb5.9, Mindanao, Philippine Islands. BUI 25 18:12:02.3, 4.84N:124.55E, h434km, mB4.9/29, mb5.3/65. MOS 25 18:12:05.8, 0.9, 5.35N:124.22E, h425km, mb5.6/47, Error ellipse: s-maj=8.9km s-min=4.3km az=120.4

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like GSPH General Santos, KCP Kidapawan, CTPH Cotabato-PC H, etc.

Table with columns: MNTI, Station Name, Az, El, Phase ID, Time, Res. Includes stations like MNTI Mataran, SMPI Sarmi, KHKI Kahang-Kahang, etc.

Table with columns: WRAB, Station Name, Az, El, Phase ID, Time, Res. Includes stations like WRAB Tennant Creek, WRAB Tennant Creek, WRA Warramunga Arr, etc.





Table with columns for station call letters, frequency, power, and other technical details. Includes stations like YAK Yakutsk, KZA Kyzart, and BVAR Borovoye Array.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BVAR Borovoye Array, BRVK Borovoye, and SNZO South Karori.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SOC, VOR Voronezh, and VSR Storozhevo.

25d 18h

Table with columns for call sign, name, frequency, mode, and other details. Includes stations like MNK Minsk, KIS Kishinev, NACGM Naroch, etc.

2008 DEC

Table with columns for call sign, name, frequency, mode, and other details. Includes stations like VYXH Vyhne, VLXH Vlachokerasia, KRUS Krusevo, etc.

1150

Table with columns for call sign, name, frequency, mode, and other details. Includes stations like FETA Feichten, DAVOX Davos/Dischmat, DAVOX Davos/Dischmat, etc.





1153

Table with columns: CHTO, Chiang Mai, 5.24 166, eP, Pn, 20 22 07.5 +1.2, etc. Includes stations like Chiang Mai, Chiang Mai Arr, Nakhon Sawan, Guiyang, Chengdu, etc.

2008 DEC

Table with columns: KULM, Kulim, 18.76 171, P, Pn, 20 25 13.3 +5.6, etc. Includes stations like New Delhi, Aya Nagar, Sohna, Hyderabad, Quanzhou, Kundal, Kurukshetra, etc.

25d 20h

Table with columns: AAK, comp=Z,43nm,1.7s,mb4.7, pmax, pmax, 20 26 30.8 +3.2, etc. Includes stations like Bishkul, Erkin-Say, Korea Array, etc.

25d 21h

Table of station data for 25d 21h, including columns for Code, Station Name, Az, AzZ, Phase ID, Time, Res, and various frequency/parameter values.

2008 DEC

Table of station data for 2008 DEC, including columns for Code, Station Name, Az, AzZ, Phase ID, Time, Res, and various frequency/parameter values.

1154

Table of station data for 1154, including columns for Code, Station Name, Az, AzZ, Phase ID, Time, Res, and various frequency/parameter values.



Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KHAL Karahalli, GOLH Golhisar, KULA Kula-Manisa, etc.

BUC 25 21:09:57.31.4, 45:39N:24:07E, h15km, gkm, MD2.62, 8C-2D, Error ellipse: s-maj=38.8km s-min=6.5km az=60.0, Romania

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like LOT Lotru, VOIR Gura Zlata, DEV Deva, etc.

DDA 25 21:13:00.7, 37:91N:29:24E, h7km, 2km, Md2.9 CSEM 25 21:13:00.9, 0.2, 37:89N:29:13E, h12km, MD2.8, Error ellipse: s-maj=6.2km s-min=4.1km az=89.0

ISCJB 25 21:13:01.1, 0.5, 37:90N:0:04:29:13E, 0.06, h13km, 7km, Error ellipse: s-maj=9.2km s-min=5.2km az=154.3 ISK 25 21:13:01.1, 37:87N:29:03E, h18km, MD2.8 NEIC 25 21:13:01.3, 37:87N:28:98E, h17km, MD2.8(ISK), After ISK

ISC 25 21:13:01.3, 0.5, 37:90N:0:03:29:14E, 0.06, h14km, 6km, n30, c096/42, Turkey

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like DENT Denizli, KULA Kula-Manisa, GOLH Golhisar, etc.

ISCJB 25 21:25:53.7, 0.5, 23:94N:0:05:97:87E, 0.04, h10km, mb3.3/3, Error ellipse: s-maj=7.2km s-min=5.2km az=19.2 BUJ 25 21:25:55.3, 23:65N:97:43E, h15km, ML3.9/8 DJC 25 21:25:57.3, 1.5, 24:00N:97:56E, h0km, mb3.4/3, mb1 3.6/4, mb1mx3.3/25, mbtmp3.4/4, ML4.0/1, Error ellipse: s-maj=53.8km s-min=18.4km az=75.0 NEIC 25 21:26:02.0, 0.2, 0.4, 21N:97:60E, h35km, Error ellipse: s-maj=13.7km s-min=6.1km az=49.0

ISC 25 21:25:58.0, 0.4, 24:04N:0:04:97:80E, 0.04, h10km, n33, c119/29, mb3.3/3, Myanmar-China border region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KMI Kunming, CHG Chiang Mai, CHTO Chiang Mai, etc.

SONM Songo Array 24.71 14 P P 21 31 21.8 +2.6 MK31 Makanchi Array 25.89 335 eP P 21 31 28.2 -1.7 MKAR Makanchi Array 25.89 335 eP P 21 31 30.2 +0.3 MKAR Makanchi Array 25.89 335 P P 21 31 30.2 +0.3 WRA Warramunga Arr 56.38 138 P P 21 35 40.7 +1.1 WRA Warramunga Arr 56.38 138 P P 21 35 40.7 +1.1

DDA 25 21:49:00.7, 36:97N:28:11E, h7km, 3km, Md2.6 ISCJB 25 21:49:01.0, 0.7, 37:00N:0:05:28:33E, 0.04, h10km, Error ellipse: s-maj=7.5km s-min=4.9km az=15.1 ISK 25 21:49:01.3, 37:16N:28:21E, h17km, MD2.2 CSEM 25 21:49:01.6, 0.5, 37:00N:28:32E, h2km, MD2.2, Error ellipse: s-maj=13.5km s-min=9.6km az=19.0

ISC 25 21:49:01.8, 1.6, 37:22N:0:1:28:24E, 0.05, h17km, 6km, n10, c0535/19, Turkey

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like YER Yerkesik, TURN Turunc, DAT Data, etc.

ISCJB 25 22:36:07.5, 0.9, 32:50N:0:04:105:31E, 0.05, h1km, 7km, mb3.6/5, Error ellipse: s-maj=6.9km s-min=5.7km az=26.1 IDC 25 22:36:10.0, 1.2, 32:50N:0:05:34E, h0km, mb3.3/4, s-maj=190.9km s-min=21.3km az=56.0

NEIC 25 22:36:11.8, 0.8, 31:76N:104:39E, h10km, mb4.2/1, Error ellipse: s-maj=36.0km s-min=12.3km az=224.0 BUJ 25 22:36:12.5, 32:47N:105:22E, h13km, ML3.1/11 ISC 25 22:36:10.6, 0.8, 32:48N:0:03:105:25E, 0.05, h5km, 7km, n13, c1933/21, mb3.5/5, Sichuan

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like CD2 Chengdu, XAN Xi'an, LZH Lanzhou, etc.

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

IDC 25 22:36:46.2, 2.0, 15:55S:173:33W, h0km, mb3.9/5, mb1 4.0/5, mb1mx3.8/20, mbtmp3.9/5, Error ellipse: s-maj=60.3km s-min=33.3km az=121.0, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like URZ Urewera, STKA St. Kilda, WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array.

BGS 25 22:40:17.9, 1.8, 23:29N:65:48E, h10km, mb5.9, MS5.6 BUJ 25 22:40:18.1, 23:32N:64:03E, h11km, mb5.8/9, MS5.6/6 MS6.0/76, MS7.5/266

CSEM 25 22:40:21.0, 0.1, 23:38N:64:56E, h2km, mb5.6/9, MS5.6, MW5.8, Error ellipse: s-maj=6.7km s-min=3.8km az=4.0 IDC 25 22:40:21.2, 0.4, 23:34N:64:58E, h0km, mb4.9/4, mb1 4.9/4, mb1mx4.9/43, mbtmp4.9/41, MS5.5/35, Mb1 5.5/35, ms1mx5.4/43, Error ellipse: s-maj=12.0km s-min=9.4km az=7.0

ISCJB 25 22:40:21.3, 0.1, 23:35N:0:02:64:55E, 0.01, h10km, mb5.5/264, MS5.6/267, Error ellipse: s-maj=3.3km s-min=1.8km az=7.8

OMAN 25 22:40:22.0, 2.0, 23:20N:64:50E, h10km, Error ellipse: s-maj=3.3km s-min=1.5km az=337.0 SFS 25 22:40:23.0, 23:39N:64:55E, h10km, ML6.0

NEIC 25 22:40:23.0, 2.0, 23:42N:64:50E, h13km, mb5.8/137, ME5.7, MS5.6/184, MW5.8, MW5.8, Error ellipse: s-maj=6.3km s-min=3.5km az=190.0, Moment Tensor Solution. s72 Moment tensor: Scale 1077Nm; Mr=2.94; Mw=3.95; Mw=1.01; Mw=4.73; Mw=3.23; Mw=1.97; Best double couple: M7.00000; N2.91000; P2.91000; Azm163.00000; N 0.2100, Plg33.0000, Azm268.0000; P -7.1300, Plg48.0000, Azm46.0000; Depth from synthetics of broadband displacement seismograms. Energy computed from CM1 mechanism.

VIE 25 22:40:23.0, 23:38N:64:49E, h10km, mb5.9 309 km WSW of Karachi

DJA 25 22:40:24.2, 23:40N:64:55E, h10km, 6.5, 6/19 MOS 25 22:40:25.9, 1.6, 23:42N:64:55E, h22km, mb5.9/82, MS5.5/72, Error ellipse: s-maj=5.3km s-min=3.0km az=123.9

GCMT 25 22:40:26.5, 0.1, 23:22N:64:36E, h12km, MW5.8, Moment Tensor Solution. s105, c212; s63, c78; Moment tensor: Scale 1017Nm; Mr=4.15e.06; Mw=5.99e.06; Mw=1.85e.07; Mw=2.76e.15; Mw=3.59e.05; Mw=3.36e.16; Best double couple: M7.40000; N1.01710; P1.91215; Azm15.00000; N 1.445.00000; N2.91000; P2.91000; Azm163.00000; N 0.2100, Plg33.0000, Azm268.0000; P -7.1300, Plg48.0000, Azm46.0000; Depth from synthetics of broadband displacement seismograms. Energy computed from CM1 mechanism.

ISC 25 22:40:23.2, 0.1, 23:35N:0:02:64:54E, 0.01, h10km, (h19km, 2.2km, pP), n1597, c1929/1519, mb5.5/264, MS5.6/267, 72C-40D, Off coast of Pakistan

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BHJ Bhuj, WBK Wadi Bani Khal, WBK SNR=450, etc.

ISC 25 22:40:44.8, 25:76N:62:65E, h33km, mb5.8, MS5.1, Southwestern Pakistan

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BHJ Bhuj, WBK Wadi Bani Khal, WBK SNR=450, etc.



Table with columns: BRTR, Name, RA, Dec, P, S, and other identifiers. Includes entries like Keskin Array B, Saratov, Chiang Mai, etc.

Table with columns: CD2, Name, RA, Dec, P, S, and other identifiers. Includes entries like Neapolis, Tirigusor, Sivas, etc.

Table with columns: OBN, Name, RA, Dec, P, S, and other identifiers. Includes entries like Obninsk, Plovdiv, Muntele Rosu, etc.





25d 22h

2008 DEC

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Table with columns for station call signs (e.g., SURF, MBDF, MBDF), station names (e.g., Saint Ours, Montbardon), frequencies (e.g., 51.21 309), and other technical details.

Table with columns for station call signs (e.g., KTK1, KTK1, KTK1), station names (e.g., Kautokeino, Kautokeino), frequencies (e.g., 51.95 342), and other technical details.

Table with columns for station call signs (e.g., CN2, CN2, CN2), station names (e.g., Lantade, Saint Sauveur), frequencies (e.g., 53.56 311), and other technical details.



Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KSRS, LFF, ETRT, EPF, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like YAK, HGH, MCH1, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KAPI, KLOF, KSR, etc.

25d 22h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PMAFR, MAJO, MJAR, BOSHA, etc.

2008 DEC

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like NWAOW, GUMGO, SFJJD, WRA, etc.

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





Table with columns: QZTA, Station Name, Time, Az, El, P, Res. Includes stations like Crested Butte, Lake Granby, Homack Ranch, etc.

CSEM 26 00:25:34.2, 0.2, 44.69N, 101.39E, h10km, ML3.0/8, Error ellipse: s-maj=3.7km s-min=3.4km az=98.0

NEIC 26 00:25:35.2, 44.56N, 101.21E, h9km, ML2.7 (RM), After FOM

ROM 26 00:25:35.1, 0.1, 44.57N, 101.38E, h24km, 2km, M2.6/21, M2.8/12, Error ellipse: s-maj=2.9km s-min=1.7km az=85.0

ISCJB 26 00:25:35.0, 44.56N, 101.02E, 10.36E, 0.03, h28km, 3km, Error ellipse: s-maj=4.1km s-min=3.2km az=141.2

PRU 26 00:25:35.1, 0.2, 44.56N, 101.02E, h12km, Error ellipse: s-maj=5.4km s-min=4.3km az=179.0

STR 26 00:25:36.2, 0.4, 44.56N, 101.23E, h5km, M13.0, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0

ISC 26 00:25:35.7, 0.3, 44.58N, 101.02E, 10.38E, 0.03, h25km, 3km, n143, r1928/211, Northern Italy

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like Erema, Erema, Parma, Guscio, etc.

Table with columns: TUE, Station Name, Time, Az, El, P, Res. Includes stations like Stuetta, Saorge, Saorge, etc.

Table with columns: MOA, Station Name, Time, Az, El, P, Res. Includes stations like Mollin, Mollin, Mollin, etc.

ISCJB 26 00:30:36.2, 0.4, 23.32N, 106.64E, 0.03, h10km, mb4.2/38, Error ellipse: s-maj=8.5km s-min=4.0km az=176.4

IDC 26 00:30:36.1, 0.7, 23.20N, 64.40E, h0km, mb4.0/25, s-maj=17.1km s-min=14.2km az=13.0

NEIC 26 00:30:37.9, 0.4, 23.23N, 64.42E, h10km, mb4.6/14, Error ellipse: s-maj=9.7km s-min=6.4km az=174.0

OMAN 26 00:30:54.4, 99.0, 23.63N, 63.06E, h10km, Error ellipse: s-maj=57.4km s-min=7.6km az=262.0

ISC 26 00:30:38.0, 0.3, 23.29N, 106.64E, 0.03, h10km, n121, r111/122, mb4.2/38, 3C, Off coast of Pakistan

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like Samad, Samad, Jabal Madar, etc.





Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like GDZ Gediz, BLCB Balcova, CTVL Yal??k??y??at, etc.

IDC 26 01:10:18.9-1.2, 2.09S:125.28E, h0km, mb3.4/4, mb1 3.4/5, mb1mx3.3/18, mbtmp3.3/5, Error ellipse: s-maj=199.5km s-min=21.3km az=67.0, Cerar=Sea

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

IDC 26 01:10:28.5-1.8, 21.90S:174.75E, h0km, mb3.6/4, mb1 3.8/4, mb1mx3.7/15, mbtmp3.6/4, Error ellipse: s-maj=77.6km s-min=33.7km az=147.0, Vanuatu Islands region

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

ISCJB 26 01:19:34.9-0.9, 11.00N:0.06:62.13W:0.04, h110km, 8km, Error ellipse: s-maj=10.3km s-min=6.8km az=176.3

FUNV 26 01:19:37.4, 10.99N:62.18W, h102km, MW2.9

ISC 26 01:19:35.4-1.0, 11.01N:0.06:62.13W:0.04, h106km, 8km, n14, c087/21, 1C, Windward Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like GUVI Guiria, TRN Trinidad (W), ISL Isla Los Testi, etc.

ISCJB 26 01:23:26.6-1.3, 33.88S:0.06:178.56W:0.09, h71km, 13km, mb4.8/14, Error ellipse: s-maj=13.3km s-min=9.3km az=31.9

IDC 26 01:23:27.6-3.1, 33.49S:178.64W, h53km, 26km, mb4.4/9, mb1 4.3/11, mb1mx3.3/20, mbtmp4.4/11, ML3.1/2, MS3.8/3, Ms1 3.8/3, ms1mx3.3/26, Error ellipse: s-maj=19.4km s-min=18.2km az=129.0

NEIC 26 01:23:27.9-1.3, 33.62S:178.61W, h59km, 11km, mb4.9/8, Error ellipse: s-maj=12.2km s-min=10.4km az=188.0

ISC 26 01:23:27.2-1.2, 33.75S:0.06:178.51W:0.08, h52km, 11km, n98, e1923/63, mb4.8/14, MS3.8/3, South of Kermadec Islands

Main table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, RAR Rarotonga, RAR Rarotonga, ARMA Armidale, etc.

IDC 26 01:30:26.3-1.8, 44.55N:10.79E, h0km, mb1 3.3/5, mb1mx3.1/27, mbtmp3.1/5, ML3.2/3, Error ellipse: s-maj=21.2km s-min=15.0km az=114.0

CSEM 26 01:30:27.6-0.1, 44.59N:10.48E, h15km, MD2.8/34, ML3.4/6, Error ellipse: s-maj=2.9km s-min=2.7km az=5.0

ZUR 26 01:30:27.2-4.4, 46N:10.41E, h25km, 4km, ML3.3/4, NEIC 26 01:30:28.0, 44.50N:10.40E, h14km, mb3.6/1, ML3.3(LDG), ML3.2(ROM), ML3.3(ZUR), Alter ROM.

NEIC 26 01:30:28.0-0.1, 44.59N:10.55E, h20km, M3.3/18, Error ellipse: s-maj=4.3km s-min=3.2km az=16.0

PRU 26 01:30:28.7, 44.60N:10.65E, h14km, M3.6, VIE 26 01:30:28.0, 44.60N:10.50E, h8km, ML3.0 67 km W of Bologna

ROM 26 01:30:28.1-0.1, 44.53N:10.43E, h25km, 2km, MD2.8/34, M3.2/25, Error ellipse: s-maj=2.9km s-min=1.8km az=56.0

STR 26 01:30:29.8-0.6, 44.70N:10.18E, h5km, M3.2, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0

IDC 26 01:30:28.7-3.4, 45.61N:0.02:104.6E:0.02, h27km, 2km,

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like ERBM Eremo, PRMA PARMA, NOVE Novellara, ZCCA Zocca, BDI Bagni Di Lucca, etc.

IDC 26 01:30:28.7-3.4, 45.61N:0.02:104.6E:0.02, h27km, 2km,

IDC 26 01:30:28.7-3.4, 45.61N:0.02:104.6E:0.02, h27km, 2km,

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IDC 26 01:30:28.7-3.4, 45.61N:0.02:104.6E:0.02, h27km, 2km,

26d 2h

Table with columns: Station Name, Frequency, Power, SNR, Azimuth, Elevation, and other parameters. Includes stations like PGF Pioggia, FUSIO Fusio, TOUF Mont Tournerai, etc.

2008 DEC

Table with columns: Station Name, Frequency, Power, SNR, Azimuth, Elevation, and other parameters. Includes stations like LOMF Lomont, MOF Molkenrain, BFO Black Forest, etc.

1168

Table with columns: Station Name, Frequency, Power, SNR, Azimuth, Elevation, and other parameters. Includes stations like RJF Les Rejaudoux, PVCC Panska Ves, BAIF Baives, etc.

Table with columns: WRA, Warramunga Arr, 44.57 P, P, 02 31 56.0 -0.1, PKPdf, 02 43 19.7 -0.4

ISCJJB 26 02:28:53.7, 0.3, 59.68N, 0.03:153.72W, 0.07, h164km, 3km, mb3.9/3, Error ellipse: s-maj=7.1km, s-min=3.6km az=35.8

IDC 26 02:28:53.3, 1.4, 59.80N:153.98W, h126km, 2.3km, mb3.7/3, mb1 3.6/8, mb1mx3.3/28, mbtmp3.5/8, Error ellipse: s-maj=28.0km s-min=12.2km az=112.0

NEIC 26 02:28:55.7, 59.67N:153.81W, h159km, MG3.4(AEIC), After AEIC.

ISC 26 02:28:54.8, 0.3, 59.67N, 0.03:153.74W, 0.07, h158km, 3km, n80, n082/95, mb3.9/3, Southern Alaska

Main station list table for WARRAMUNGA ARR with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: MRSI, Marisa, 7.41 314 P, Pn, 02 45 29.0 +1.3

Main station list table for MRSI with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC

IDC 26 02:58:33.5, 4.9, 21.90S:68.51W, h0km, mb3.4/1, mb1 3.3/2, mb1mx3.2/15, mbtmp3.2, ML3.2/1, Error ellipse: s-maj=148.8km s-min=56.4km az=71.0

Chile-Bolivia border region

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

NEIC 26 03:01:28.0, 15:77N:98.63W, h16km, MD3.8(MEX), After MEX.

MEX 26 03:01:28.0, 0.7, 15.79N:98.63W, h17km, 75km, MD3.8, Off coast of Guerrero

Main station list table for MEX with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC

ISCJJB 26 03:04:17.5, 2.2, 21.3S:0.2:178.0W:0.2, h419km, 18km, mb4.0/15, Error ellipse: s-maj=38.7km s-min=14.3km az=144.1

IDC 26 03:04:17.9, 4.7, 20.75S:178.19W, h400km, 46km, mb3.5/11, mb1 3.8/11, mb1mx3.6/19, mbtmp3.5/11, Error ellipse: s-maj=23.2km s-min=20.3km az=160.0

NEIC 26 03:04:20.8, 1.6, 20.94S:178.20W, h436km, 13km, mb4.5/8, Error ellipse: s-maj=25.6km s-min=12.0km az=147.0

ISC 26 03:04:18.6, 2.2, 21.3S:0.2:178.0W:0.2, h418km, 19km, mb4.0, n0567/39, mb4.0/15, 7C-D, Fiji Islands region

Main station list table for ISC with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: NVAR, Mina Array Bea, 81.57 43 P, P, 02 15 50.4 -0.8

Main station list table for NVAR with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC



U22A	Llaves	71.04 327	↑P	P	03 26 43.9 +0.8
Y17A	Roosevelt	71.14 322	↑P	P	03 26 44.2 +0.5
KSCO	Kaye Sheddok	71.15 331	↑P	P	03 26 43.7 +0.1
T23A	Casias Ranch,	71.15 328	↑P	P	03 26 44.1 +0.4
R25A	Fountain Ranch	71.20 329	↑P	P	03 26 43.8 -0.1
S24A	Houchin Ranch,	71.23 328	↑P	P	03 26 44.9 +0.8
BGNE	Belgrade	71.33 335	↑P	P	03 26 44.1 -0.5
W19A	Sanders	71.39 324	↑P	P	03 26 45.9 +0.7
V20A	Brimhall	71.42 325	↑P	P	03 26 45.6 +0.3
SDCO	Great Sand Dun	71.45 328	↑P	P	03 26 46.1 +0.7
Q26A	Hugo	71.48 330	↑P	P	03 26 46.0 +0.4
U21A	Nageezi	71.49 326	↑P	P	03 26 45.9 +0.2
T22A	Edith	71.56 327	↑P	P	03 26 46.7 +0.6
W18A	Petrified Fore	71.58 324	↑P	P	03 26 46.9 +0.6
X17A	Forest Lakes	71.59 323	↑P	P	03 26 47.2 +0.9
114A	Black Gap (USA	71.62 320	↑P	P	03 26 47.0 +0.4
R24A	Sanders Place,	71.66 329	↑P	P	03 26 47.1 +0.5
S23A	Nye Farm, Mont	71.67 328	↑P	P	03 26 47.1 +0.4
V19A	Window Rock	71.67 325	↑P	P	03 26 47.4 +0.6
Q25A	Bedland, Calha	71.80 330	↑P	P	03 26 48.0 +0.5
T21A	Navajo Lake	71.86 327	↑P	P	03 26 48.4 +0.5
U20A	Newcomb	71.89 325	↑P	P	03 26 48.4 +0.3
P26A	Davis Ranch, A	71.92 331	↑P	P	03 26 48.5 +0.3
R23A	Moffat	71.96 328	↑P	P	03 26 48.9 +0.4
X16A	Lo Mia Camp, P	72.00 322	↑P	P	03 26 49.6 +0.8
O27A	Beecher Island	72.06 332	↑P	P	03 26 49.3 +0.3
W17A	Winslow	72.09 323	↑P	P	03 26 49.6 +0.3
S22A	JUR Ranch, Cre	72.10 327	↑P	P	03 26 49.7 +0.4
113A	Mohawk Valley,	72.15 320	↑P	P	03 26 49.8 0.0
U19A	Dine' College,	72.19 325	↑P	P	03 26 50.0 +0.1
P25A	Willow Gulch B	72.25 330	↑P	P	03 26 50.9 +0.8
Q24A	Divide	72.26 329	↑P	P	03 26 50.7 +0.5
Z13A	Yuma Proving G	72.39 320	↑P	P	03 26 51.4 +0.3
R22A	Saguache, Gunn	72.44 328	↑P	P	03 26 51.7 +0.4
O26A	Horse Wrangler	72.47 331	↑P	P	03 26 52.1 +0.7
OGNE	Ogallala	72.50 333	↑P	P	03 26 51.8 +0.2
T19A	Beclabito	72.50 325	↑P	P	03 26 52.0 +0.3
S21A	Coal Bank Pass	72.51 327	↑P	P	03 26 52.2 +0.5
MVCO	Mesa Verde	72.52 326	↑P	P	03 26 52.3 +0.4
V17A	Tonalea, Kykot	72.53 323	↑P	P	03 26 52.3 +0.3
Y14A	Wickenburg	72.54 321	↑P	P	03 26 52.1 +0.1
P24A	Kohler Place,	72.59 330	↑P	P	03 26 52.8 +0.6
N27A	Anderson Farm,	72.59 332	↑P	P	03 26 53.0 +0.8
O25A	Wiggins	72.72 331	↑P	P	03 26 53.7 +0.8
WUAZ	Wupatki	72.77 332	↑P	P	03 26 54.1 +0.8
ECSD	EROS Data Cent	72.80 338	eP	P	03 26 51.9 -1.4
SPMM	St. Paul	72.90 341	↑P	P	03 26 52.3 -1.6
P23A	Jefferson	72.91 329	↑P	P	03 26 54.8 +0.7
S20A	Disappointment	72.93 327	↑P	P	03 26 55.2 +1.0
R21A	Cimarron	72.94 327	↑P	P	03 26 54.8 +0.5
U16A	Tuba City	73.10 324	↑P	P	03 26 55.8 +0.6
ISCO	Idaho Springs	73.14 330	↑P	P	03 26 55.9 +0.5
O24A	Longmont	73.16 330	↑P	P	03 26 56.1 +0.6
T18A	Mexican Hat	73.18 325	↑P	P	03 26 56.1 +0.4
U17A	Shonto	73.19 324	↑P	P	03 26 56.3 +0.5
R20A	Redvale	73.21 327	↑P	P	03 26 56.6 +0.7
S19A	Harvey Farm, M	73.26 326	↑P	P	03 26 56.6 +0.4
Y12C	Blythe	73.30 320	↑P	P	03 26 57.2 +0.8
Q21A	Lamborn Mesa,	73.32 328	↑P	P	03 26 57.3 +0.9
S20A	Syowa Base	73.43 159	↑P	P	03 26 55.3 -1.5
P22A	Eagle	73.52 329	↑P	P	03 26 57.9 +0.3
L27A	T5 Ranch	73.56 333	↑P	P	03 26 58.2 +0.4
T17A	Navajo Res., N	73.56 324	↑P	P	03 26 58.9 +1.0
O23A	Lake Granby, G	73.61 330	↑P	P	03 26 58.5 +0.3
N24A	Carr	73.64 331	↑P	P	03 26 59.2 +0.9
S18A	Hurst Farm, Bl	73.66 325	↑P	P	03 26 59.1 +0.7
R19A	Curley Farm, L	73.74 326	↑P	P	03 26 59.4 +0.4
M25A	Palm-Egli Farm	73.76 332	↑P	P	03 26 59.9 +0.9
BC3	Big Chuckawall	73.78 319	↑P	P	03 26 59.8 +0.5
P21A	Newcastle	73.79 328	↑P	P	03 27 00.0 +0.8
L26A	Underwood Farm	73.84 333	↑P	P	03 27 00.1 +0.7
O22A	Kremmling	73.87 329	↑P	P	03 26 59.8 +0.2
W13A	Hualapai Mount	73.88 321	↑P	P	03 27 00.0 +0.2
K27A	Flueckinger Fa	74.04 334	↑P	P	03 27 01.1 +0.5
M24A	Cheyenne	74.13 331	↑P	P	03 27 01.9 +0.8
N23A	Red Feather La	74.17 330	↑P	P	03 27 02.4 +1.0
P20A	De Beque	74.23 328	↑P	P	03 27 02.5 +0.8
Q19A	Hogan Spring (	74.25 327	↑P	P	03 27 02.2 +0.3
109C	Camp Elliot, M	74.26 318	↑P	P	03 27 02.5 +0.4
N22A	Wattenberg Ran	74.33 330	↑P	P	03 27 03.3 +1.0
K26A	Motz Farm, Whi	74.43 333	↑P	P	03 27 03.5 +0.7
S16A	Weppner Ranch,	74.52 324	↑P	P	03 27 04.2 +0.7
M23A	Laramie	74.53 331	↑P	P	03 27 03.8 +0.4
R17A	Hanksville Air	74.58 325	↑P	P	03 27 03.9 +0.2
P19A	Cripple Cowboy	74.62 327	↑P	P	03 27 04.9 +0.9

O20A	White River Ci	74.65 328	↑P	P	03 27 04.8 +0.6
VNDA	Vanda	74.75 190	eP	P	03 27 04.7 +0.3
N21A	Black Mountain	74.79 329	↑P	P	03 27 06.4 +1.4
Q18A	Rafter H Ranch	74.80 326	↑P	P	03 27 05.5 +0.4
MURC	Murrieta	74.80 318	↑P	P	03 27 05.3 +0.2
M22A	Cedar Creek Ra	74.80 330	↑P	P	03 27 06.3 +0.8
SRU	Sarrafal	75.00 326	eP	P	03 27 06.4 +0.2
L23A	Garrett	75.04 331	↑P	P	03 27 06.8 +0.5
HEC	Hector Ludlow	75.12 320	↑P	P	03 27 07.4 +0.4
Q16A	Castle Valley	75.19 326	↑P	P	03 27 07.6 +0.3
O19A	Miners Draw (B	75.21 328	↑P	P	03 27 07.4 0.0
R15A	Junction	75.25 324	↑P	P	03 27 08.4 +0.7
P18A	Preston Nutter	75.25 327	↑P	P	03 27 07.9 +0.3
L22A	Ellis Ranch, M	75.30 330	↑P	P	03 27 09.6 +1.7
CCUT	Cedar City	75.35 323	eP	P	03 27 09.3 +1.1
P17A	Butter Ranch,	75.38 326	↑P	P	03 27 08.9 +0.6
M21A	Separation Pla	75.39 330	↑P	P	03 27 08.8 +0.5
K23A	Bowen Ranch, D	75.52 331	↑P	P	03 27 09.8 +0.8
ARUT	Antelope Range	75.56 323	eP	P	03 27 10.2 +0.7
J24A	Dixon Ranch, L	75.57 332	↑P	P	03 27 09.8 +0.4
O18A	Roosevelt	75.62 327	↑P	P	03 27 10.3 +0.6
L21A	Rawlins	75.67 330	↑P	P	03 27 10.0 +0.1
M20A	Sweetwater, Wa	75.68 329	↑P	P	03 27 10.2 +0.2
N19A	John Jarvie Ra	75.69 328	↑P	P	03 27 10.0 -0.1
GSC	Goldstone	75.72 320	↑P	P	03 27 10.7 +0.2
K22A	Casper	75.83 331	↑P	P	03 27 11.7 +0.9
O17A	Robinson Place	75.93 327	↑P	P	03 27 12.0 +0.6
RSSD	Black Hills	75.95 333	eP	P	03 27 11.4 -0.1
R13A	O'Grain Ranch,	76.14 323	↑P	P	03 27 14.0 +1.3
K21A	Alcova	76.14 330	↑P	P	03 27 13.0 +0.4
EDW2	Edwards Air Fo	76.15 319	↑P	P	03 27 12.9 +0.1
M19A	Rock Springs	76.15 328	↑P	P	03 27 13.2 +0.5
L20A	Wamsutter	76.15 329	↑P	P	03 27 12.9 +0.2
P15A	Leighton	76.25 325	↑P	P	03 27 13.9 +0.6
TORD	Torodi Ar. Bea	76.27 69	P	P	03 27 13.1 -0.9
TORD	Torodi Ar. Bea	76.27 69	P	P	03 27 13.1 -0.9
TORD	Torodi Ar. Bea	76.27 69	P	P	03 27 13.1 -0.9
O16A	Springville	76.32 326	↑P	P	03 27 14.2 +0.5
J22A	Midwest	76.42 331	↑P	P	03 27 14.2 0.0
M18A	Lyman	76.53 328	↑P	P	03 27 14.7 -0.1
N17A	Moffitt Pass	76.54 327	↑P	P	03 27 15.6 +0.7
FURC	Furnace Creek,	76.56 320	↑P	P	03 27 15.3 +0.2
AGMM	Agassiz Nation	76.59 340	eP	P	03 27 13.6 -1.4
MPMC	Manual Proving	76.65 320	↑P	P	03 27 15.9 +0.2
K20A	Yellowstone Ra	76.66 330	↑P	P	03 27 15.4 -0.2
H24A	Dirks Ranch, A	76.68 333	↑P	P	03 27 15.4 -0.2
L19A	Farson	76.70 329	↑P	P	03 27 15.9 +0.2
J21A	Lysite	76.79 331	↑P	P	03 27 16.6 +0.4
N16A	Rees Ranch, Co	76.80 327	↑P	P	03 27 17.2 +0.8
I22A	9 Mile Ranch,	76.80 332	↑P	P	03 27 15.9 -0.3
M17A	Scully Gap (B	76.86 328	↑P	P	03 27 16.8 +0.1
H23A	Clough Cattle	76.88 333	↑P	P	03 27 16.9 +0.2
L18A	Fontenelle, Gr	76.89 328	↑P	P	03 27 17.0 +0.1
SBC	Santa Barbara	76.91 317	↑P	P	03 27 15.9 -1.2
ISA	Isabella	76.97 319	↑P	P	03 27 17.5 +0.1
DUG	Dugway	76.99 325	↑P	P	03 27 17.7 +0.3
DUG	Dugway	76.99 325	↑P	P	03 27 17.3 -0.2
K19A	Absolon Red Bu	77.03 330	↑P	P	03 27 17.4 -0.2
J20A	Shoshoni	77.09 330	↑P	P	03 27 18.0 +0.1
I21A	Big Trails, Te	77.09 331	↑P	P	03 27 17.9 0.0
G24A	Alzate	77.09 334	↑P	P	03 27 17.9 0.0
R11A	Troy Canyon, C	77.15 323	↑P	P	03 27 18.8 +0.5
PKM	Peak Mountain	77.27 318	↑P	P	03 27 19.6 +0.5
H22A	Clearmont	77.31 332	↑P	P	03 27 18.9 -0.2
BW06	Boulder Array	77.31 329	↑P	P	03 27 18.8 -0.3
PDAR	Pinedale Array	77.31 329	↑P	P	03 27 18.8 -0.4
PDAR	Pinedale Array	77.31 329	↑P	P	03 27 18.8 -0.4
PD02	Pinedale Array	77.33 329	eP	P	03 27 18.5 -0.6
PD01	Pinedale Array	77.33 329	eP	P	03 27 18.9 -0.4
G23A	Biddle	77.39 333	↑P	P	03 27 19.6 +0.1
MDND	Maddock	77.41 338	↑P	P	03 27 19.7 +0.1
L17A	Colkeville	77.43 328	↑P	P	03 27 20.0 +0.1
K18A	Toitan Ranch,	77.44 329	↑P	P	03 27 20.6 +0.8
VES	Vesetal, Richgr	77.45 319	↑P	P	03 27 20.4 +0.3
J19A	Crowheart	77.46 330	↑P	P	03 27 20.3 +0.3
F24A	Ekalaka	77.53 334	↑P	P	03 27 20.2 -0.1
I20A	Worldand	77.58 331	↑P	P	03 27 21.1 +0.5
H21A	Big Horn, Sher	77.63 332	↑P	P	03 27 20.8 -0.1
SMCC	Simmler	77.66 318	↑P	P	03 27 21.7 +0.4
M15A	Larsen Ranch,	77.74 327	↑P	P	03 27 22.0 +0.4
TIN	Tinemaha				











ISCJB 26 07:33:39.01.4.11.30N.07:20.44E.0.07,h10km,Error ellipse: s-maj=10.1km s-min=7.2km az=168.8  
 TIR 26 07:33:40.6.1.0.41.47N.20:27.84E.h2km,69km,ML3.0  
 ISC 26 07:33:44.1.5.41.29N.07:20.45E.0.07,h10km,n4,0543/6,Albania

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
PHP	Peshkopja	0.39	257	Op	07 33 46.7	+0.4
PHP	Peshkopja	0.44	277	Op	07 33 52.0	+0.0
TIR	Tirane	0.44	277	Op	07 33 47.6	+0.4
TIR	Tirane	0.44	277	Op	07 33 54.2	+0.3
KRUS	Krusevo	0.61	83	Op	07 33 51.5	+0.3
PUK	Puka	0.85	331	Op	07 34 07.3	+0.2

HLW 26 07:35:35.5.35.40N.33.02E.h31km,18km,MD3.3,MI3.1  
 ISCJB 26 07:35:39.4.0.6.34.67N.02:33.09E.0.04,h5km,4km,Error ellipse: s-maj=5.1km s-min=3.5km az=16.3  
 ISK 26 07:35:39.2.34.70N.33.06E.h7km,MD3.4  
 DDA 26 07:35:40.5.34.81N.33.31E.h8km,3km,MD3.3  
 CSEM 26 07:35:40.2.0.1.34.69N.33.08E.h2km,Mw3.3,Error ellipse: s-maj=4.2km s-min=2.9km az=80.0  
 NIC 26 07:35:41.5.0.3.34.74N.33.07E.h30km,ML3.7,MW3.3  
 NIC Felt earthquake; Maximum Intensity 3; Felt I = III MM at Limmassol

ISC 26 07:35:40.3.0.6.34.69N.02:33.09E.0.04,h2km,4km,MI3.1,0542/97,ZD,Cyprus region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
SZAC	Souni-Zanaja	0.18	292	Op	07 35 45.3	+1.4
SZAC	Souni-Zanaja	0.18	292	Op	07 35 45.3	+1.4
SSC	Prodhromos	0.34	36	Op	07 35 47.8	+0.9
SSC	Prodhromos	0.34	36	Op	07 35 47.8	+0.9
CSS	Prodhromos	0.34	36	Op	07 35 47.8	+0.9
CSS	Prodhromos	0.34	36	Op	07 35 47.8	+0.9
LEF	Lefka	0.46	339	Op	07 35 48.0	-1.2
LEF	Lefka	0.46	339	Op	07 35 55.4	+0.2
LEF	Lefka	0.46	339	Op	07 35 59.5	+1.2
LEF	Lefka	0.46	339	Op	07 35 54.4	+0.2
MAMC	Mammari	0.50	12	Op	07 35 49.7	-0.1
MAMC	Mammari	0.50	12	Op	07 35 49.7	-0.1
ALFC	Alevga	0.62	319	Op	07 35 50.8	-1.4
ALFC	Alevga	0.62	319	Op	07 35 59.2	-1.1
ALFC	Alevga	0.62	319	Op	07 35 50.8	-1.4
ALFC	Alevga	0.62	319	Op	07 35 59.2	-1.1
PPCY	Paphos	0.65	288	Op	07 35 52.2	+0.5
PPCY	Paphos	0.65	288	Op	07 35 52.2	+0.5
LFK	Lefkose	0.69	31	Op	07 35 53.4	+0.2
LFK	Lefkose	0.69	31	Op	07 35 53.4	+0.2
LFK	Lefkose	0.69	31	Op	07 35 53.4	+0.2
LFK	Lefkose	0.69	31	Op	07 35 53.4	+0.2
PHNC	Paralimni	0.84	67	Op	07 36 03.3	+0.6
PHNC	Paralimni	0.84	67	Op	07 36 03.3	+0.6
GAZI	Gazipasa	1.67	338	Op	07 36 12.6	+2.0
GAZI	Gazipasa	1.67	338	Op	07 36 34.0	+1.4
GAZI	Gazipasa	1.67	338	Op	07 36 12.6	+2.0
GAZI	Gazipasa	1.67	338	Op	07 36 34.0	+1.4
BHL	Bhannes	2.26	109	Op	07 36 18.9	+1.1
BHL	Bhannes	2.26	109	Op	07 36 18.9	+1.1
HWQ	Hawqa	2.39	99	Op	07 36 20.4	-0.1
HWQ	Hawqa	2.39	99	Op	07 36 20.4	-0.1
MERS	Mersin	2.47	28	Op	07 36 20.8	-0.7
MERS	Mersin	2.47	28	Op	07 36 20.8	-0.7
RCHY	Rachaya	2.57	117	Op	07 36 22.7	+0.2
RCHY	Rachaya	2.57	117	Op	07 36 22.7	+0.2
KRTS	Karatash	2.65	44	Op	07 36 24.3	+0.3
KRTS	Karatash	2.65	44	Op	07 36 24.3	+0.3
YAYL	Yayladag	2.81	61	Op	07 36 25.6	-0.6
YAYL	Yayladag	2.81	61	Op	07 36 25.6	-0.6
YAYL	Yayladag	2.81	61	Op	07 36 25.6	-0.6
YAYL	Yayladag	2.81	61	Op	07 36 25.6	-0.6
HTY	Hatay	2.87	59	Op	07 36 26.8	+0.3
HTY	Hatay	2.87	59	Op	07 36 26.8	+0.3
GULE	Gulek	2.93	27	Op	07 37 03.1	-0.6
GULE	Gulek	2.93	27	Op	07 37 03.1	-0.6
GULE	Gulek	2.93	27	Op	07 37 03.1	-0.6
GULE	Gulek	2.93	27	Op	07 37 03.1	-0.6
COBT	Iskenderun	3.16	54	Op	07 37 07.8	-1.6
COBT	Iskenderun	3.16	54	Op	07 37 07.8	-1.6
COBT	Iskenderun	3.16	54	Op	07 37 07.8	-1.6
COBT	Iskenderun	3.16	54	Op	07 37 07.8	-1.6
CEYH	Ceyhan	3.17	42	Op	07 37 31.2	+0.1
CEYH	Ceyhan	3.17	42	Op	07 37 31.2	+0.1
BHYT	Beyhan	3.17	42	Op	07 37 31.2	+0.1
BHYT	Beyhan	3.17	42	Op	07 37 31.2	+0.1
KORT	Korkueli	3.21	317	Op	07 37 17.9	+7.4
KORT	Korkueli	3.21	317	Op	07 37 17.9	+7.4
KORT	Korkueli	3.21	317	Op	07 37 33.4	+1.7
KORT	Korkueli	3.21	317	Op	07 37 33.4	+1.7
SUTC	Sutluce-Ispart	3.26	229	Op	07 37 32.2	+0.9
SUTC	Sutluce-Ispart	3.26	229	Op	07 37 32.2	+0.9
KONT	Konya-Tatoy	3.31	350	Op	07 37 32.2	+0.9
KONT	Konya-Tatoy	3.31	350	Op	07 37 32.2	+0.9
ELL	Elmalı	3.31	309	Op	07 37 32.8	+0.3
ELL	Elmalı	3.31	309	Op	07 37 32.8	+0.3
LADK	Ladik-KONYA	3.56	351	Op	07 37 35.5	-1.0
LADK	Ladik-KONYA	3.56	351	Op	07 37 35.5	-1.0
KOZT	Kozan	3.56	38	Op	07 37 37.0	+0.5
KOZT	Kozan	3.56	38	Op	07 37 37.0	+0.5
KDHN	Kadinhani	3.91	349	Op	07 37 40.9	+0.4
KDHN	Kadinhani	3.91	349	Op	07 37 40.9	+0.4
AVNT	Avonos	4.33	19	Op	07 37 39.4	+1.3
AVNT	Avonos	4.33	19	Op	07 37 39.4	+1.3
AVNT	Avonos	4.33	19	Op	07 37 39.4	+1.3
AVNT	Avonos	4.33	19	Op	07 37 39.4	+1.3
HNKL	Nakhi	4.80	171	Op	07 37 53.0	+3.1
HNKL	Nakhi	4.80	171	Op	07 37 53.0	+3.1
HNKL	Nakhi	4.80	171	Op	07 37 53.0	+3.1
HNKL	Nakhi	4.80	171	Op	07 37 53.0	+3.1
SUZ	baz=182	4.84	183	Op	07 37 54.5	+3.8
SUZ	baz=182	4.84	183	Op	07 37 54.5	+3.8
SUZ	baz=182	4.84	183	Op	07 37 54.5	+3.8
SUZ	baz=182	4.84	183	Op	07 37 54.5	+3.8
KOT	baz=191	4.86	193	Op	07 37 54.3	+0.1
KOT	baz=191	4.86	193	Op	07 37 54.3	+0.1
KOT	baz=191	4.86	193	Op	07 37 53.9	+2.6
KOT	baz=191	4.86	193	Op	07 37 53.9	+2.6
KOT	comp=E.30um,0.3s,logA/T=5.0,baz=191			Op	07 38 00.0	
KOT	Kottamia	4.86	193	Op	07 38 00.0	
KOT	Kottamia	4.86	193	Op	07 38 00.0	
HSAF	As Saff	5.22	195	Op	07 37 58.6	-0.8
HSAF	As Saff	5.22	195	Op	07 37 58.6	-0.8
HSAF	As Saff	5.22	195	Op	07 37 58.6	-0.8
HSAF	As Saff	5.22	195	Op	07 37 58.6	-0.8
GLL	Jalalah	5.23	193	Op	07 37 58.8	-0.7
GLL	Jalalah	5.23	193	Op	07 37 58.8	-0.7
GLL	Jalalah	5.23	193	Op	07 37 58.8	-0.7
GLL	Jalalah	5.23	193	Op	07 37 58.8	-0.7
ZNM	baz=182	5.30	182	Op	07 37 00.5	+0.1
ZNM	baz=182	5.30	182	Op	07 37 00.5	+0.1
ZNM	baz=182	5.30	182	Op	07 37 00.5	+0.1
ZNM	baz=182	5.30	182	Op	07 37 00.5	+0.1
HNAT	Natroun	5.46	203	Op	07 37 01.4	-1.3
HNAT	Natroun	5.46	203	Op	07 37 01.4	-1.3
BORA	EsKisehir	5.46	203	Op	07 37 01.4	-1.2
BORA	EsKisehir	5.46	203	Op	07 37 01.4	-1.2
HMAT	Matruh	6.19	236	Op	07 37 07.7	+3.2
HMAT	Matruh	6.19	236	Op	07 37 07.7	+3.2
HMAT	Matruh	6.19	236	Op	07 38 18.0	-5.9
HMAT	Matruh	6.19	236	Op	07 38 18.0	-5.9
HKAT	Jabal Katrina	6.19	236	Op	07 37 12.2	-0.5
HKAT	Jabal Katrina	6.19	236	Op	07 37 12.2	-0.5
TR2	baz=172	6.30	175	Op	07 37 14.0	-0.3
TR2	baz=172	6.30	175	Op	07 37 14.0	-0.3
TR2	baz=172	6.30	175	Op	07 37 14.0	-0.3
TR2	baz=172	6.30	175	Op	07 37 14.0	-0.3
TR1	baz=173	6.70	173	Op	07 37 19.1	-0.7
TR1	baz=173	6.70	173	Op	07 37 19.1	-0.7
TR1	baz=173	6.70	173	Op	07 37 19.1	-0.6
TR1	baz=173	6.70	173	Op	07 37 19.1	-0.6
SWA2	baz=229	8.45	232	Op	07 37 39.3	+4.5
SWA2	baz=229	8.45	232	Op	07 37 39.3	+4.5

ISCJB 26 07:45:26.8.1.1.13.2N.01:144.9E.0.2,h77km,7km,mb3.5/9,Error ellipse: s-maj=36.4km s-min=19.7km az=6.0

ISC 26 07:45:27.3.1.1.13.20N.144.95E.h65km,7km,mb3.3/9,mb1.3/6/9,mb1mx3.4/23,mbtmp3.3/9,Error ellipse: s-maj=32.3km s-min=18.2km az=96.0

NEIC 26 07:45:27.6.1.1.13.17N.144.92E.h68km,9km,mb3.7/1,Error ellipse: s-maj=25.8km s-min=15.2km az=95.0

ISC 26 07:45:27.7.1.1.13.22N.01:145.0E.0.2,h70km,5km,n22,0565/22,mb3.5/9,Mariana Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
GUMO	Guam	0.46	345	Op	07 45 40.0	-0.1
GUMO	Guam	0.46	345	Op	07 45 40.0	-0.1
GUMO	Guam	0.46	345	Op	07 45 49.3	+0.1
GUMO	Guam	0.46	345	Op	07 45 49.3	+0.1
GUMO	Guam	0.46	345	Op	07 45 49.3	+0.1
GUMO	Guam	0.46	345	Op	07 45 49.3	+0.1
WRA	Warramunga Arr	34.51	198	Op	07 52 09.0	-0.3
WRA	Warramunga Arr	34.51	198	Op	07 52 09.0	-0.3
ASAR	Alice Springs	38.16	197	Op	07 52 40.6	+0.3
ASAR	Alice Springs	38.16	197	Op	07 52 40.6	+0.3
SONM	Songino Array	47.16	325	Op	07 53 53.8	+0.8
SONM	Songino Array	47.16	325	Op	07 53 53.8	+0.8
MKAR	Manakani Array	61.89	316	Op	07 55 40.2	+0.4
MKAR						



V17A	Tonaleia, Kykot baz=70	69.54 324	UP	P	09 15 26.5 +0.5
Q23A	Hartsel baz=70	69.54 330	UP	P	09 15 26.1 +0.2
P24A	Kohler Place, baz=70	69.60 331	UP	P	09 15 26.6 +0.4
WU4Z	Wupatki baz=70	69.78 324	UP	P	09 15 27.8 +0.4
P23A	Jefferson baz=70	69.92 330	UP	P	09 15 29.1 +0.8
N26A	Koester Ranch, baz=70	69.92 333	UP	P	09 15 28.5 +0.3
R21A	Cimarron baz=70	69.94 328	UP	P	09 15 29.2 +0.8
U16A	Tuba City baz=70	70.11 324	UP	P	09 15 30.2 +0.8
ISCO	Idaho Springs baz=70, SNR=5.4	70.15 330	UP	P	09 15 29.8 +0.1
ISCO	Idaho Springs comp=N, 4.0nm, 0.8s, mb4.3	70.15 330	UP	P	09 15 29.9 +0.2
M27A	Reverse DX Ran baz=70	70.15 334	UP	P	09 15 30.1 +0.5
O24A	Longmont baz=70	70.17 331	UP	P	09 15 30.3 +0.6
T18A	Mexican Hat baz=70, SNR=9.3	70.18 326	UP	P	09 15 30.1 +0.2
U17A	Shonto baz=70, SNR=9.3	70.19 325	UP	P	09 15 30.6 +0.7
A07A	Redvale baz=70	70.22 327	UP	P	09 15 30.3 +0.3
S19A	Harvey Farm, M baz=70, SNR=6.5	70.22 327	UP	P	09 15 30.7 +0.3
Y12C	Blythe baz=71	70.31 320	UP	P	09 15 31.2 +0.5
P22A	Eagle baz=71	70.53 329	UP	P	09 15 32.2 +0.3
Q23A	Lake Granby, G baz=71, SNR=7.4	70.62 320	UP	P	09 15 33.1 +0.6
N24A	Carr baz=71	70.65 331	UP	P	09 15 33.0 +0.4
S18A	Hurst Farm, BI baz=71, SNR=8.7	70.66 326	UP	P	09 15 33.6 +0.8
R19A	Curley Farm, L baz=71	70.74 327	UP	P	09 15 33.4 +0.1
Q20A	Ridgley Place, baz=70	70.77 328	UP	P	09 15 33.7 +0.3
BC3	Big Chuckawall baz=71	70.80 320	UP	P	09 15 34.1 +0.3
O22A	Kremmling baz=71, SNR=6.4	70.87 330	UP	P	09 15 34.0 0.0
W13A	Hualapai Mount baz=71	70.89 322	UP	P	09 15 34.9 +0.7
IRM	Iron Mountain baz=71	70.97 320	UP	P	09 15 35.1 +0.3
K27A	Fleckinger Fa baz=71, SNR=5.0	71.07 334	UP	P	09 15 35.3 +0.1
R18A	Canyonlands Na baz=71	71.13 327	UP	P	09 15 36.1 +0.5
M24A	Cheyenne baz=72	71.14 332	UP	P	09 15 36.3 +0.6
N23A	Red Feather La baz=72	71.18 331	UP	P	09 15 36.4 +0.5
Q19A	Hogan Spring (L baz=72, SNR=6.0)	71.25 327	UP	P	09 15 37.1 +0.7
PHWY	Pilot Hill comp=N, 9.7nm, 1.3s, mb4.5	71.29 331	UP	P	09 15 36.6 +0.1
N22A	Wattenberg Ran baz=72	71.34 330	UP	P	09 15 37.7 +0.8
S16A	Weppner Ranch, baz=72	71.52 325	UP	P	09 15 38.5 +0.5
M23A	Laramie baz=72, SNR=5.6	71.54 331	UP	P	09 15 38.3 +0.3
R17A	Hanksville Air baz=72, SNR=8.4	71.58 326	UP	P	09 15 38.6 +0.3
P19A	Cripple Cowboy baz=72, SNR=9.0	71.63 328	UP	P	09 15 39.2 +0.6
O20A	White River O1 baz=72, SNR=5.7	71.66 329	UP	P	09 15 39.2 +0.4
Q18A	Rafter H Ranch baz=72	71.80 327	UP	P	09 15 39.8 +0.2
SRU	San Rafael comp=N, 1.1nm, 0.8s, mb4.7	72.00 327	UP	P	09 15 41.1 +0.2
HEC	Hector, Ludlow baz=72	72.14 320	UP	P	09 15 42.0 +0.2
K24A	Anderson Ranch baz=72	72.16 333	UP	P	09 15 42.4 +0.7
Q16A	Castle Valley baz=72, SNR=5.7	72.19 326	UP	P	09 15 42.5 +0.6
O19A	Miners Draw (B baz=72, SNR=9.4)	72.21 328	UP	P	09 15 42.8 +0.8
R15A	Junction baz=72	72.25 325	UP	P	09 15 43.3 +0.9
P18A	Preston Nutter baz=72, SNR=9.9	72.25 327	UP	P	09 15 43.3 +1.0
TUQ	Turquoise Moun baz=73	72.31 321	UP	P	09 15 43.1 +0.3
CCUT	Cedar City comp=N, 1.4nm, 1.0s, mb4.7	72.35 324	UP	P	09 15 44.4 +1.4
P17A	Butcher Ranch, baz=73, SNR=10	72.39 327	UP	P	09 15 43.7 +0.6
M21A	Separation Pea baz=73	72.39 330	UP	P	09 15 43.3 +0.2
MSU	Marysvale baz=73	72.42 325	UP	P	09 15 44.0 +0.7
K23A	Bowen Ranch, D baz=73	72.53 332	UP	P	09 15 44.6 +0.6
ARUT	Antelope Range comp=N, 1.3nm, 1.0s, mb4.7	72.57 324	UP	P	09 15 45.2 +1.0
J24A	Dixon Ranch, L baz=73	72.59 333	UP	P	09 15 44.9 +0.7
O18A	Roosevelt baz=73	72.62 328	UP	P	09 15 45.1 +0.6
L21A	Rawlins baz=73, SNR=8.1	72.68 331	UP	P	09 15 44.9 +0.1
M20A	Sweetwater, Wa baz=73	72.69 330	UP	P	09 15 45.2 +0.3
N19A	John Jarvie Ra baz=73, SNR=7.8	72.69 329	UP	P	09 15 45.1 +0.2
K22A	Casper baz=73	72.84 332	UP	P	09 15 46.0 +0.2
O17A	Robinson Place baz=73, SNR=12	72.93 327	UP	P	09 15 47.0 +0.7
RSSD	Black Hills comp=N, 4.2nm, 0.7s, mb4.4	72.98 334	UP	P	09 15 46.2 -0.4
N18A	Larsen Ranch, baz=73	73.00 329	UP	P	09 15 47.5 +0.8
R13A	O'Grain Ranch, baz=73	73.14 324	UP	P	09 15 48.5 +0.8
K21A	Alcova baz=74, SNR=16	73.16 331	UP	P	09 15 47.8 +0.2
L20A	Wamsutter baz=74, SNR=6.7	73.16 330	UP	P	09 15 47.6 -0.1
O16A	Springville baz=74	73.32 327	UP	P	09 15 49.0 +0.3
J22A	Midwest baz=74, SNR=5.0	73.43 332	UP	P	09 15 49.4 +0.1
N17A	Moffit Pass baz=74, SNR=16	73.54 328	UP	P	09 15 50.6 +0.7
FURC	Furnace Creek, baz=74	73.57 321	UP	P	09 15 50.7 +0.5
MPMC	Manual Prospec baz=74	73.67 320	UP	P	09 15 50.8 +0.1
K20A	Yellowstone Ra baz=74, SNR=8.2	73.76 330	UP	P	09 15 50.3 -0.3
H24A	Dirks Ranch, A baz=74, SNR=6.3	73.70 334	UP	P	09 15 50.1 -0.7
L19A	Farson baz=74	73.71 329	UP	P	09 15 51.0 +0.2
N16A	Rees Ranch, Co baz=74	73.80 327	UP	P	09 15 51.8 +0.3
J21A	Lysite baz=74	73.81 331	UP	P	09 15 51.6 +0.2
I22A	9 Mile Ranch, baz=74, SNR=6.8	73.82 332	UP	P	09 15 51.4 -0.1
M17A	Scullys Gap (B baz=74	73.86 328	UP	P	09 15 51.8 0.0
L18A	Fontenelle, Gr baz=74, SNR=12	73.90 329	UP	P	09 15 52.1 +0.1
SBC	Santa Barbara baz=74	73.94 318	UP	P	09 15 52.4 0.0
DUG	Dugway baz=74, SNR=6.2	73.99 326	UP	P	09 15 52.7 +0.2
DUG	Dugway comp=N, 7.4nm, 1.0s, mb4.4	73.99 326	UP	P	09 15 53.0 +0.5
ISA	Isabella baz=74	73.99 320	UP	P	09 15 53.1 +0.4
K19A	Abelson Red Bu baz=74, SNR=8.2	74.03 330	UP	P	09 15 52.6 -0.2
J20A	Shoshoni baz=74	74.10 331	UP	P	09 15 53.5 +0.3

I21A	Big Trails, Te baz=74, SNR=11	74.11 332	UP	P	09 15 52.9 -0.3
R11A	Troy Canyon, C baz=74, SNR=11	74.15 332	UP	P	09 15 54.1 +0.5
PDAR	Pinedale Array comp=N, 1.3nm, 0.8s, mb3.7, baz=130, slow=7.7, SNR=11	74.22 330	UP	P	09 15 53.7 -0.7
PDAR	Pinedale Array comp=N, 0.7nm, 0.8s, baz=158, slow=4.3, SNR=2.8	74.32 330	UP	P	09 16 21.5 +5.2
PDAR	Pinedale Array baz=75	74.32 330	UP	P	09 15 53.8 -0.7
PDAR	Pinedale Array baz=75	74.32 330	UP	P	09 16 21.6 +5.2
BW06	Boulder Array baz=75	74.32 330	UP	P	09 15 54.1 -0.3
BW06	Boulder Array baz=75	74.32 330	UP	P	09 15 54.0 -0.4
H22A	Clearmont baz=75	74.33 333	UP	P	09 15 54.4 0.0
G23A	Biddle baz=75, SNR=5.4	74.42 334	UP	P	09 15 54.7 -0.2
L17A	Cokeley Ranch baz=75	74.44 329	UP	P	09 15 55.1 0.0
K18A	Toitan Ranch, baz=75, SNR=6.9	74.45 329	UP	P	09 15 55.7 +0.5
J19A	Crowlart baz=75, SNR=5.6	74.47 330	UP	P	09 15 55.3 +0.1
YES	Vestal, Richgr baz=75	74.48 319	UP	P	09 15 55.1 -0.4
MDND	Madlock baz=75, SNR=5.9	74.48 339	UP	P	09 15 54.9 -0.3
F24A	Ekakala baz=75	74.56 335	UP	P	09 15 55.8 +0.1
H21A	Big Horn, Sher baz=75, SNR=7.2	74.65 333	UP	P	09 15 55.7 -0.6
M15A	Larsen Ranch, baz=75, SNR=5.7	74.74 327	UP	P	09 15 56.9 +0.1
G22A	Birney baz=75	74.81 333	UP	P	09 15 56.8 -0.3
F23A	Volborg baz=75	74.85 334	UP	P	09 15 57.4 +0.1
K17A	Gardner Place, baz=75, SNR=9.0	74.95 329	UP	P	09 15 58.1 0.0
H20A	Greybull baz=75	74.95 332	UP	P	09 15 57.8 -0.3
I19A	Meeteetse baz=75, SNR=5.4	75.04 331	UP	P	09 15 58.9 +0.3
E24A	Baker baz=75	75.10 335	UP	P	09 15 58.5 -0.3
L15A	Malad City baz=75, SNR=9.8	75.11 328	UP	P	09 15 59.1 +0.1
HVU	Hansel Valley comp=N, 1.1nm, 0.9s, mb4.3	75.14 327	UP	P	09 15 59.2 +0.1
I18A	Diamond G Ranch baz=76, SNR=7.7	75.16 330	UP	P	09 15 59.7 +0.4
G21A	Lodge Grass baz=76	75.20 333	UP	P	09 15 59.2 -0.2
F22A	Reeboud baz=76	75.24 334	UP	P	09 15 59.6 -0.1
REDW	Red Top Meadow comp=N, 3.2nm, 1.6s, mb4.8	75.38 329	UP	P	09 15 60.8 +0.2
SNOW	Snow King Moun comp=N, 2.5nm, 2.5s, mb5.1	75.41 330	UP	P	09 16 00.7 0.0
ULM	Lac du Bonnet comp=N, 2.8nm, 0.5s, mb4.3, baz=163, slow=8.1, SNR=6.5	75.44 342	UP	P	09 15 58.7 -2.0
ULM	Lac du Bonnet comp=N, 2.8nm, 0.5s, mb4.3, baz=163, slow=8.1, SNR=6.5	75.44 342	UP	P	09 15 58.7 -2.0
LOHW	Long Hollow baz=76	75.45 331	UP	P	09 16 01.0 +0.1
H19A	Pow baz=76	75.53 331	UP	P	09 16 01.3 0.0
L14A	Malta baz=76, SNR=6.7	75.56 327	UP	P	09 16 01.8 +0.2
D24A	Glendive baz=76	75.56 336	UP	P	09 16 01.6 +0.1
RR12	Red Ridge comp=N, 1.0nm, 0.9s, mb4.5	75.59 329	UP	P	09 16 02.2 +0.4
G20A	Bridge baz=76	75.63 332	UP	P	09 16 01.2 -0.6
F21A	Absaloka Mine, baz=76	75.64 333	UP	P	09 16 02.2 +0.3
E22A	Miles City baz=76	75.65 334	UP	P	09 16 01.9 -0.1
ELK	Elko comp=N, 5.7nm, 2.8s, mb4.8	75.66 325	UP	P	09 16 02.5 +0.3
I17A	Pilgrim Ck. baz=76	75.68 330	UP	P	09 16 02.6 +0.4
K15A	Arbon baz=76	75.69 328	UP	P	09 16 02.6 +0.3
NVAR	Minia Array Bea comp=N, 2.2nm, 0.9s, mb3.9, baz=153, slow=6.6, SNR=7.8	75.75 322	P	P	09 16 02.8 +0.1
NVAR	Minia Array Bea comp=N, 2.2nm, 0.9s, mb3.9, baz=153, slow=6.6, SNR=7.8	75.75 322	P	P	09 16 02.8 +0.1
H18A	Shoshone NF, C baz=76, SNR=11	75.84 331	UP	P	09 16 03.3 +0.2
K14A	Jones Ranch, D baz=76	75.90 328	UP	P	09 16 03.5 -0.1
C24A	Savage baz=76	75.94 332	UP	P	09 16 04.0 +0.3
D23A	Lindsay baz=76	75.95 335	UP	P	09 16 04.4 +0.7
RLMT	Red Lodge baz=76	76.01 332	UP	P	09 16 04.7 +0.6
RLMT	Red Lodge comp=N, 9.9nm, 1.3s, mb4.4	76.01 332	UP	P	09 16 04.3 +0.2
I16A	Newdale baz=76	76.07 329	UP	P	09 16 05.0 +0.5
E21A	Keefer Ranch, baz=76	76.19 334	UP	P	09 16 05.3 +0.3
G18A	Lazy Elk, B-3 baz=77, SNR=6.3	76.30 331	UP	P	09 16 05.6 -0.1
D22A	Coahagen baz=77	76.32 335	UP	P	09 16 06.2 +0.4
SYO	Syowa Base baz=77	76.36 159	UP	P	09 16 03.7 -2.1
F19A	Roth Farm, Mol baz=77, SNR=6.0	76.44 332	UP	P	09 16 06.3 -0.2
C23A	Lambert baz=77	76.46 336	UP	P	09 16 07.1 +0.6
D21A	La Casta Ranch baz=77	76.58 334	UP	P	09 16 07.6 +0.4
E20A	Meyer Farm, Mu baz=77, SNR=7.3	76.61 333			



Table with columns: LZH, comp-Z, 180nm, 20.1s, CMAR Chiang Mai Arr, 167.78 102 PKP, PKPdf, 09 24 22.8 -0.6, etc.

comp-Z: 0.6nm, 0.6s, baz=60, slow=3.2, SNR=5.2
GERES GERESS Array B 144.83 331 PKPbc PKPdf 09 32 07.6 -2.1

RSRP 26 09:22:18.9, 17:44N, 64:92W, h22km, 27km, 4C, Virgin

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

IDC 26 09:43:42.6, 2.2, 6:52S, 129:58E, h0km, mb3.4/1, mb1.3/7.4, mb1mx3.5/1.6, mbtrmp3.5/4, ML3.6/3, Error ellipse: s-maj=33.5km s-min=28.4km az=78.0

IDC 26 09:43:48.1, 5.1, 6:51S, 129:31E, h10km, Error ellipse: s-maj=40.8km s-min=16.5km az=68.0

IDC 26 09:43:48.3, 1.4, 6:75S, 129:31E, h15.4km, n11, c1501/14, Banda Sea

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

IDC 26 09:59:00.3, 0.6, 52:77N, 160:77E, h0km, mb3.8/18, mb1.4/1.2, mb1mx4.0/28, mbtrmp3.1/20, ML4.1/2, MS3.3/2, Ms1.3/3.2, ms1mx2.7/48, Error ellipse: s-maj=18.5km s-min=10.7km az=166.9

MOS 26 09:59:00.4, 1.4, 52:65N, 161:01E, h17km, mb4.5/4, Error ellipse: s-maj=11.9km s-min=8.7km az=95.6

KRSC 26 09:59:00.7, 0.2, 52:63N, 161:02E, h16km, ML4.4, NEIC 26 09:59:03.0, 3.7, 52:74N, 160:88E, h18km, 24km, mb4.1/1, Error ellipse: s-maj=14.2km s-min=8.4km az=167.0

IDC 26 09:59:03.7, 1.3, 52:67N, 160:94E, 0.06, h23km, 9km, n97, c123/109, mb3.9/21, 1C, Off east coast of Kamchatka Peninsula

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

IDC 26 10:40:23.0, 2.0, 20:11S, 168:72E, h0km, mb3.9/5, mb1.4/2.5, mb1mx3.9/1.6, mbtrmp3.9/5, Error ellipse: s-maj=107.4km s-min=27.9km az=154.0

NEIC 26 10:40:23.1, 7.1, 19:94S, 168:65E, h10km, mb3.8/1, Error ellipse: s-maj=38.8km s-min=16.7km az=142.0

ISCJB 26 10:40:12.3, 7.4, 7.7, 19:95S, 0.1:168:5E, 0.2, h21km, 34km, mb3.8/6, Error ellipse: s-maj=39.8km s-min=12.1km az=31.2

NOU 26 09:12:32.5, 0.9, 19:66S, 168:57E, h30km, MD2.9, ML3.0, ISC 26 09:12:33.0, 4.7, 20:05S, 0.1:168:6E, 0.2, h13km, 30km, n17, c0548/18, mb3.8/6, Vanuatu Islands

ISCJB 26 09:08:02.9, 0.8, 13:93N, 0:08, 145:4E, 0.1, h113km, 6km, mb4.0/19, Error ellipse: s-maj=22.3km s-min=12.1km az=116.0

IDC 26 09:08:03.1, 0.7, 13:95N, 145:38E, h9km, 5km, mb3.8/17, mb1.3/9.17, mb1mx3.8/30, mbtrmp3.8/17, Error ellipse: s-maj=20.3km s-min=12.6km az=106.0

NEIC 26 09:08:04.0, 0.9, 13:92N, 145:41E, h110km, 8km, mb4.1/2, Error ellipse: s-maj=15.0km s-min=8.5km az=107.0

ISC 26 09:08:03.9, 0.9, 13:93N, 0:08, 145:4E, 0.1, h107km, 7km, n49, c090/44, mb4.0/19, Mariana Islands

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

IDC 26 09:08:03.9, 0.9, 13:93N, 0:08, 145:4E, 0.1, h107km, 7km, n49, c090/44, mb4.0/19, Mariana Islands

IDC 26 09:08:03.9, 0.9, 13:93N, 0:08, 145:4E, 0.1, h107km, 7km, n49, c090/44, mb4.0/19, Mariana Islands

IDC 26 09:08:03.9, 0.9, 13:93N, 0:08, 145:4E, 0.1, h107km, 7km, n49, c090/44, mb4.0/19, Mariana Islands

IDC 26 09:08:03.9, 0.9, 13:93N, 0:08, 145:4E, 0.1, h107km, 7km, n49, c090/44, mb4.0/19, Mariana Islands

IDC 26 09:08:03.9, 0.9, 13:93N, 0:08, 145:4E, 0.1, h107km, 7km, n49, c090/44, mb4.0/19, Mariana Islands

IDC 26 09:08:03.9, 0.9, 13:93N, 0:08, 145:4E, 0.1, h107km, 7km, n49, c090/44, mb4.0/19, Mariana Islands

IDC 26 09:08:03.9, 0.9, 13:93N, 0:08, 145:4E, 0.1, h107km, 7km, n49, c090/44, mb4.0/19, Mariana Islands

IDC 26 09:08:03.9, 0.9, 13:93N, 0:08, 145:4E, 0.1, h107km, 7km, n49, c090/44, mb4.0/19, Mariana Islands

IDC 26 09:08:03.9, 0.9, 13:93N, 0:08, 145:4E, 0.1, h107km, 7km, n49, c090/44, mb4.0/19, Mariana Islands

IDC 26 09:08:03.9, 0.9, 13:93N, 0:08, 145:4E, 0.1, h107km, 7km, n49, c090/44, mb4.0/19, Mariana Islands

IDC 26 09:08:03.9, 0.9, 13:93N, 0:08, 145:4E, 0.1, h107km, 7km, n49, c090/44, mb4.0/19, Mariana Islands

IDC 26 09:08:03.9, 0.9, 13:93N, 0:08, 145:4E, 0.1, h107km, 7km, n49, c090/44, mb4.0/19, Mariana Islands

IDC 26 09:08:03.9, 0.9, 13:93N, 0:08, 145:4E, 0.1, h107km, 7km, n49, c090/44, mb4.0/19, Mariana Islands

IDC 26 09:08:03.9, 0.9, 13:93N, 0:08, 145:4E, 0.1, h107km, 7km, n49, c090/44, mb4.0/19, Mariana Islands

IDC 26 09:08:03.9, 0.9, 13:93N, 0:08, 145:4E, 0.1, h107km, 7km, n49, c090/44, mb4.0/19, Mariana Islands

IDC 26 09:08:03.9, 0.9, 13:93N, 0:08, 145:4E, 0.1, h107km, 7km, n49, c090/44, mb4.0/19, Mariana Islands

IDC 26 09:08:03.9, 0.9, 13:93N, 0:08, 145:4E, 0.1, h107km, 7km, n49, c090/44, mb4.0/19, Mariana Islands

IDC 26 09:08:03.9, 0.9, 13:93N, 0:08, 145:4E, 0.1, h107km, 7km, n49, c090/44, mb4.0/19, Mariana Islands

IDC 26 09:08:03.9, 0.9, 13:93N, 0:08, 145:4E, 0.1, h107km, 7km, n49, c090/44, mb4.0/19, Mariana Islands

IDC 26 09:08:03.9, 0.9, 13:93N, 0:08, 145:4E, 0.1, h107km, 7km, n49, c090/44, mb4.0/19, Mariana Islands

SONM Songino Array 34.50 284 P P 10 05 48.7 -1.0 comp-Z: 1.2nm, 0.8s, mb3.9, baz=58, slow=8.0, SNR=7.7

SONM Songino Array 34.50 284 P P 10 08 24.1 -0.1 comp-Z: 0.2nm, 0.5s, baz=34, slow=5.4, SNR=2.0

SONM Songino Array 34.50 284 P P 10 05 48.7 -1.0 comp-Z: 2.89nm, 19.4s, baz=195, slow=37

ZALV Zalesovo Beam 43.44 303 P P 10 07 02.0 -2.3 comp-Z: 0.6nm, 0.4s, mb3.7, baz=39, slow=3.0, SNR=3.2

ZALV Zalesovo Beam 43.44 303 P P 10 07 02.0 -2.3 comp-Z: 0.6nm, 0.4s, mb3.7, baz=39, slow=3.0, SNR=3.2

ZALV Zalesovo Beam 43.44 303 P P 10 07 02.0 -2.3 comp-Z: 0.6nm, 0.4s, mb3.7, baz=39, slow=3.0, SNR=3.2

ZALV Zalesovo Beam 43.44 303 P P 10 07 02.0 -2.3 comp-Z: 0.6nm, 0.4s, mb3.7, baz=39, slow=3.0, SNR=3.2

ZALV Zalesovo Beam 43.44 303 P P 10 07 02.0 -2.3 comp-Z: 0.6nm, 0.4s, mb3.7, baz=39, slow=3.0, SNR=3.2

ZALV Zalesovo Beam 43.44 303 P P 10 07 02.0 -2.3 comp-Z: 0.6nm, 0.4s, mb3.7, baz=39, slow=3.0, SNR=3.2

ZALV Zalesovo Beam 43.44 303 P P 10 07 02.0 -2.3 comp-Z: 0.6nm, 0.4s, mb3.7, baz=39, slow=3.0, SNR=3.2

ZALV Zalesovo Beam 43.44 303 P P 10 07 02.0 -2.3 comp-Z: 0.6nm, 0.4s, mb3.7, baz=39, slow=3.0, SNR=3.2

ZALV Zalesovo Beam 43.44 303 P P 10 07 02.0 -2.3 comp-Z: 0.6nm, 0.4s, mb3.7, baz=39, slow=3.0, SNR=3.2

ZALV Zalesovo Beam 43.44 303 P P 10 07 02.0 -2.3 comp-Z: 0.6nm, 0.4s, mb3.7, baz=39, slow=3.0, SNR=3.2

ZALV Zalesovo Beam 43.44 303 P P 10 07 02.0 -2.3 comp-Z: 0.6nm, 0.4s, mb3.7, baz=39, slow=3.0, SNR=3.2

ZALV Zalesovo Beam 43.44 303 P P 10 07 02.0 -2.3 comp-Z: 0.6nm, 0.4s, mb3.7, baz=39, slow=3.0, SNR=3.2

ZALV Zalesovo Beam 43.44 303 P P 10 07 02.0 -2.3 comp-Z: 0.6nm, 0.4s, mb3.7, baz=39, slow=3.0, SNR=3.2

ZALV Zalesovo Beam 43.44 303 P P 10 07 02.0 -2.3 comp-Z: 0.6nm, 0.4s, mb3.7, baz=39, slow=3.0, SNR=3.2

ZALV Zalesovo Beam 43.44 303 P P 10 07 02.0 -2.3 comp-Z: 0.6nm, 0.4s, mb3.7, baz=39, slow=3.0, SNR=3.2

ZALV Zalesovo Beam 43.44 303 P P 10 07 02.0 -2.3 comp-Z: 0.6nm, 0.4s, mb3.7, baz=39, slow=3.0, SNR=3.2

ZALV Zalesovo Beam 43.44 303 P P 10 07 02.0 -2.3 comp-Z: 0.6nm, 0.4s, mb3.7, baz=39, slow=3.0, SNR=3.2

ZALV Zalesovo Beam 43.44 303 P P 10 07 02.0 -2.3 comp-Z: 0.6nm, 0.4s, mb3.7, baz=39, slow=3.0, SNR=3.2

ZALV Zalesovo Beam 43.44 303 P P 10 07 02.0 -2.3 comp-Z: 0.6nm, 0.4s, mb3.7, baz=39, slow=3.0, SNR=3.2

ZALV Zalesovo Beam 43.44 303 P P 10 07 02.0 -2.3 comp-Z: 0.6nm, 0.4s, mb3.7, baz=39, slow=3.0, SNR=3.2

ZALV Zalesovo Beam 43.44 303 P P 10 07 02.0 -2.3 comp-Z: 0.6nm, 0.4s, mb3.7, baz=39, slow=3.0, SNR=3.2

CSEM 26 10:35:52.7, 45:16N, 27:27E, h10km, MD2.9/3, After BUC BUC 26 10:35:52.0, 8, 45:16N, 27:27E, h10km, MD2.9/3, 12C-3D, Error ellipse: s-maj=14.7km s-min=5.7km az=23.0

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

ISCJB 26 10:40:23.5, 0.7, 38:36N, 0:05, 39:06E, 0.05, h12km, 6km, Error ellipse: s-maj=8.3km s-min=5.7km az=160.2

ISK 26 10:40:23.3, 38:38N, 39:04E, h5km, MD2.5, DDA 26 10:40:23.9, 38:36N, 39:02E, h7km, 2km, MD3.0

CSEM 26 10:40:23.6, 0.1, 38:39N, 39:04E, h10km, MD3.0, Error ellipse: s-maj=3.6km s-min=2.2km az=157.0

ISC 26 10:40:23.7, 0.6, 38:36N, 0:05, 39:05E, 0.04, h13km, 7km, n16, c0F42/26, Turkey

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

IDC 26 10:50:08.3, 2.0, 29:29S, 177:30E, h0km, mb3.7/4, mb1.4/0.4, mb1mx3.8/16, mbtrmp3.7/4, MS3.5/3, Ms1.3/3.3



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MSVF Nonsavu, DZM Mont Dzumac, URZ Urewera, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GRON Grota Negra, PDA Ponta Delgada, etc.

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

Table with columns: AKCD, Akcadag, Time, Res, ISC. Includes stations like AKCD Akcadag, SARi SarD1z-Kayseri, etc.

IDD 26 11:43:50.5, 0.7, 29.78N, 82.03E, h0km, mb3.8/13, mb1 3.9/15, mb1mx3.8/27, mbtmp3.8/15, ML4.1/2, Error ellipse: s-maj=21.1km s-min=16.2km az=46.0

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JIRN Jiri, AYAN Aji Nagar, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KHET Khetri, THN Thin Dam, etc.

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

Table with columns: BRTR Keskin Array B, BRTR Keskin Array B, FINES FINESS Array B, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KHAL Karahalli, GOLH Golhisar, KULA Kula-Manisa, etc.

ISCJB 26 12:05:43.6, 0.9, 25.52N, 0.03:106.79E, 0.04, h8km, 5km, mb4.2/19, Error ellipse: s-maj=6.4km s-min=4.9km

BUI 26 12:05:44.2, 25.61N, 106.89E, h9km, mb4.8/11, mb4.4/17, ML4.2/20, Ms4.1/10, Ms7.3/9.10

NEIC 26 12:05:49.5, 0.3, 25.55N, 106.77E, h35km, mb4.5/7, Error ellipse: s-maj=6.4km s-min=4.9km az=163.0

NEIC Felt at Anshun. IDC 26 12:05:49.4, 5.8, 25.59N, 106.79E, h34km, 47km, mb3.9/16, mb1 4.0/17, mb1mx3.9/27, mbtmp3.9/17, ML2.8/1, Error ellipse: s-maj=2.1km s-min=15.6km az=58.0

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



Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NOA NORSTAR Array B, NOA NORSTAR Array A, MDJ Mudanjing, etc.

ISCJB 26 12:26:13.9.0.4, 37.91N, 0.02-29.14E, 0.05, h10km, Error ellipse: s-maj=5.2km s-min=2.9km az=4.5, ISK 26 12:26:13.6, 37.91N, 29.14E, h6km, MD2.7, DDA 26 12:26:13.1, 37.91N, 29.24E, h8km, 4km, MD2.8, CSEM 26 12:26:13.6, 0.2, 37.91N, 29.17E, h2km, MD2.7, Error ellipse: s-maj=5.2km s-min=3.2km az=95.0, ISC 26 12:26:14.1, 0.5, 37.92N, 0.02-29.17E, 0.05, h3km, 7km, n32, 084/52, Turkey

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DENT Denizli, DNZL Cakirokuk, KHAL Karahalli, KULA Kula-Manisa, etc.

ISCJB 26 12:42:48.6, 0.5, 24.88N, 0.04-109.39W, 0.04, h10km, mb3.8/5, MS3.4/2, Error ellipse: s-maj=5.6km s-min=5.2km az=143.8, IDC 26 12:42:52.6, 1.0, 25.39N, 109.41W, h0km, mb3.7/5, mb1 3.9/7, mb1mx3.8/22, mbtmp3.6/7, ML3.8/2, MS3.3/4, Ms1 3.3/4, ms1mx3.1/32, Error ellipse: s-maj=25.9km s-min=20.4km az=67.0, MEX 26 12:42:53.0, 0.6, 24.80N, 109.37W, h14km, 10km, MD4.3, NEIC 26 12:42:54.0, 0.9, 25.39N, 109.26W, h10km, Error ellipse: s-maj=23.3km s-min=13.5km az=63.0, ISC 26 12:42:49.7, 0.5, 24.80N, 0.04-109.41W, 0.04, h10km, n34, 0125/35, mb3.8/5, MS3.4/2, Gulf of California

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LPIG La Paz, MAIG Mazatlan, SRIG Santa Rosalia, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ANMO Albuquerque, CCUT Cedar City, ARUT Kellogg Range, etc.

IDC 26 13:21:18.0, 1.0, 11.84N, 144.27E, h0km, mb3.4/7, mb1 3.6/7, mb1mx3.5/21, mbtmp3.4/7, Error ellipse: s-maj=38.5km s-min=18.1km az=103.0, NEIC 26 13:21:22.9, 0.7, 11.81N, 144.28E, h35km, mb4.0/1, Error ellipse: s-maj=31.2km s-min=11.5km az=102.0, ISC 26 13:21:20.9, 6.1, 11.78N, 0.19-144.2E, 0.2, h18km, 42km, n17, 0883/19, mb3.5/8, South of Mariana Islands

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

BUI 26 13:38:12.5, 12:50N, 121.10E, h60km, mb4.9/5, mb4.4/12, Ms4.4/3, Ms7.3/9, IDC 26 13:38:13.8, 0.6, 13.49N, 120.73E, h0km, mb4.2/17, mb1 4.3/17, mb1mx4.2/24, mbtmp4.2/17, MS3.8/13, Ms1 3.8/13, ms1mx3.6/35, Error ellipse: s-maj=21.8km s-min=10.9km az=89.0, MAN 26 13:38:14, 13.51N, 121.07E, h4km, mb5.2, ML2.4, MS4.5, MAN Intensity IV - Calapan City; Naujan, ISCJB 26 13:38:15.6, 0.8, 13.55N, 0.03-120.97E, 0.04, h22km, 6km, mb4.5/42, MS3.7/11, Error ellipse: s-maj=6.5km s-min=4.4km az=145.3, NEIC 26 13:38:16.4, 1.3, 13.58N, 121.04E, h18km, 6km, mb4.9/21, Error ellipse: s-maj=9.9km s-min=6.1km az=55.0, NEIC Felt [IV PIVS] at Calapan and Naujan and [III PIVS] at Puerto Galera, Felt [III PIVS] at Batangas and San Pascual and [I PIVS] at Bagan and Tagaytay, Luzon.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TGUY Tagaytay City, TGY Tagaytay City, BOAC Boac, etc.

ISC 26 13:38:15.0, 0.9, 13.54N, 0.03-121.00E, 0.03, h6km, 6km, n107, 01909/108, mb4.5/42, MS3.7/11, 3C-ID, Mindoro

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

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, CHTO Chiang Mai, GUMO Guam, etc.

ISCJB 26 13:49:23.6, 0.4, 7.23S, 0.07-155.95E, 0.05, h40km, mb4.9/4, Error ellipse: s-maj=10.5km s-min=7.0km az=11.9, IDC 26 13:49:24.9, 0.7, 30S, 155.93E, h40km, 5km, mb4.0/11, mb4.1/12, mb1mx4.0/19, mbtmp4.0/12, ML3.8/1, MS3.4/1, Ms1 3.4/1, ms1mx2.8/23, Error ellipse: s-maj=24.0km s-min=19.6km az=123.0, NEIC 26 13:49:27.6, 0.9, 7.44S, 156.06E, h73km, 9km, mb4.5/4, Error ellipse: s-maj=10.7km s-min=6.8km az=155.0, ISC 26 13:49:25.6, 0.4, 7.29S, 0.08-155.88E, 0.06, h42km, h42km, 7km, pp-P, n53, 0859/53, mb4.3/14, Bougainville - Solomon Islands region

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, CHTO Chiang Mai, GUMO Guam, etc.







26d 15h

Table with columns for station name, frequency, and signal strength. Includes stations like ZALV, Zalesovo Beam, Resolute Bay, etc.

2008 DEC

Table with columns for station name, frequency, and signal strength. Includes stations like ODAN Odare, JIRN Jiri, GUN Gumba, etc.

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Table with columns for station name, frequency, and signal strength. Includes stations like DRGR Kasperke Hory, KHC Kasperke Hory, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RAO Raoul Island, MXZ Matakaoa Point, PUZ Puketiti, etc.

NEIC 26 15:44:11.2, 16:37N:98.11W, h4km, MD3.9(MEX), After MEX

MEX 26 15:44:06.5, 1.0, 16:14N-98:22W, h6km, 8km, MD3.9, Near coast of Guerrero

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

DDA 26 15:47:19.9, 37:89N-29:20E, h7km, 4km, MD2.9
ISCJB 26 15:47:20.4, 0.5, 37:90N-29:22E, h0.04, h6km, 5km, Error ellipse: s-maj=5.2km s-min=3.7km az=12.3
ISC 26 15:47:20.4, 37:90N-29:22E, h8km, MD2.8

CSEM 26 15:47:20.3, 0.2, 37:90N-29:22E, h2km, MD2.8, Error ellipse: s-maj=5.2km s-min=3.2km az=106.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DENT Denizli, DNZL Cakiroluk, etc.

ISCJB 26 15:56:27.4, 0.3, 37:28N-102:71.96E, 0.05, h202km, 5km, mb3.5/15, Error ellipse: s-maj=6.4km s-min=3.8km az=167.8

NEIC 26 15:56:28.4, 0.5, 37:25N-71.94E, h198km, 6km, mb4.9/9, Error ellipse: s-maj=6.5km s-min=4.0km az=56.0

ISC 26 15:56:30.0, 4.5, 37:19N-72.00E, h217km, 41km, mb3.2/13, mb1.3/4/18, mb1mx3.3/30, mbtmp3.3/18, Error ellipse: s-maj=28.6km s-min=13.7km az=1.0

NNC 26 15:56:35.6, 4.1, 37:89N-71.78E, h215km, 33km, mb2.8, mpv4.2, Error ellipse: s-maj=38.0km s-min=20.0km az=71.0

ISC 26 15:56:28.3, 0.3, 37:27N-102:71.97E, 0.05, h193km, 4km, bz=17.0, r0:95N/17, mb3.5/15, 3C-7D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CEP Cherat, KBL Kabul, etc.

NEIC 26 15:44:11.2, 16:37N:98.11W, h4km, MD3.9(MEX), After MEX

MEX 26 15:44:06.5, 1.0, 16:14N-98:22W, h6km, 8km, MD3.9, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AAK Aka-Archa, THN Thein Dam, etc.

DDA 26 15:47:19.9, 37:89N-29:20E, h7km, 4km, MD2.9
ISCJB 26 15:47:20.4, 0.5, 37:90N-29:22E, h0.04, h6km, 5km, Error ellipse: s-maj=5.2km s-min=3.7km az=12.3
ISC 26 15:47:20.4, 37:90N-29:22E, h8km, MD2.8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KOLN Koldanda, KOLN Koldana, GKN Gorkha, etc.

ISK 26 16:05:36.9, 37:79N-29:21E, h14km, MD2.8
DDA 26 16:05:36.9, 37:89N-29:23E, h4km, 2km, MD2.9

CSEM 26 16:05:36.8, 0.2, 37:82N-29:24E, h10km, MD2.8, Error ellipse: s-maj=4.3km s-min=3.3km az=101.0

ISCJB 26 16:05:37.4, 0.4, 37:85N-102:29.21E, 0.04, h11km, 5km, Error ellipse: s-maj=5.4km s-min=4.1km az=170.8

ISC 26 16:05:37.4, 0.4, 37:85N-102:29.22E, 0.04, h14km, 4km, n32, r0:85/50, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DENT Denizli, DENT Denizli, DNZL Cakiroluk, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SONMI Sogingo Array, WMIQ Urumqi, BOSHA Boshof, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SMF Signal de Mont, TCF Toux St Croi, LCF Toux Ste Croi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like GUN Gumba, GUN Gumba, KURBS Kurchatov Arra, etc.

ISCJB 26 16:38:13.1-1.1, 36.43N, 0.04-142.27E, 0.08, h10km, mb3.4/5, Error ellipse: s-maj=8.9km s-min=5.2km az=9.2

JMA 26 16:38:14.1-0.3, 36.41N, 142.15E, h10km, mb3.5

ISC 26 16:38:17.3-2.4, 37.26N, 141.88E, h0km, mb3.5/5, mb1.3/4/6, mb1mx3/2/3, mbtmp3/4/6, ML2.5/1, Error ellipse: s-maj=61.8km s-min=29.7km az=67.0

NEIC 26 16:38:23.1, 4.37, 19N, 141.68E, h35km, Error ellipse: s-maj=23.9km s-min=20.7km az=105.0

ISC 26 16:38:14.1-1.1, 36.43N, 0.04-142.26E, 0.08, h10km, n25, e1920/31, mb3.4/5, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JHO Hitachi, JHO Hitachi, JFK Kawachi, etc.



CDF	comp-Z,11nm,0.8s,mb4.6	37.62	87	eP	P	16 46 04.9 +0.5
CDF	Champ du Feu	37.62	87	eP	P	16 46 04.9 +0.5
CDF	comp-Z,20nm,0.9s,mb4.5					
P25A	Willow Gulch B	37.69	244	↑P	P	16 46 05.1 0.0
HLID	Halley	37.73	258	↑P	P	16 46 05.5 +0.1
ECH	Echery	37.73	88	eP	P	16 46 05.4 0.0
J13A	Cove Ranch, Pi	37.79	258	↑P	P	16 46 05.9 +0.1
I12A	Atlanta	37.80	259	↑P	P	16 46 06.0 0.0
SMF	Signal de Mont	37.81	92	eP	P	16 46 05.7 -0.3
SMF	Signal de Mont	37.81	92	eP	P	16 46 05.7 -0.3
TANN	Tannenbergstha	37.89	81	eP	P	16 46 07.1 +0.4
ISCO	Idaho Springs	37.92	246	↑P	P	16 46 07.1 +0.1
P24A	Kohler Place,	37.94	245	↑P	P	16 46 07.7 +0.5
HINF	Hinteratfeld	37.95	88	eP	P	16 46 07.5 +0.3
HINF	Hinteratfeld	37.95	88	eP	P	16 46 07.5 +0.3
STU	Stuttgart	38.03	85	eP	P	16 46 08.3 +0.5
NKC	Novy Kosteł	38.04	81	eP	P	16 46 08.3 +0.4
BRG	Berggiesshobel	38.06	79	iP	P	16 46 08.2 0.0
BRG	comp-Z,2.8nm,0.9s					16 46 16.0
BRG	Berggiesshobel	38.06	79	eP	P	16 46 08.2 +0.1
BFO	Black Forest	38.08	86	eP	P	16 46 08.8 +0.5
BFO	Black Forest	38.08	86	eP	P	16 46 06.1 -2.2
M17A	Scullys Gap (B	38.20	253	↑P	P	16 46 09.6 +0.2
ROTZ	Rotzenmuhle	38.32	82	eP	P	16 46 10.4 0.0
R27A	Gads	38.34	242	↑P	P	16 46 10.4 -0.3
L15A	Malad City	38.35	255	↑P	P	16 46 10.5 -0.2
MFID	Canas Ranch	38.38	259	↑P	P	16 46 10.8 -0.1
P23A	Jefferson	38.38	246	↑P	P	16 46 11.4 +0.5
P22A	Eagle	38.50	247	↑P	P	16 46 12.2 +0.3
Q24A	Divide	38.52	245	↑P	P	16 46 11.8 -0.3
O20A	White River Ci	38.53	249	↑P	P	16 46 11.9 -0.3
MVO	Moncorvo	38.53	107	eP	P	16 46 12.5 +0.3
R26A	Arlington	38.55	242	↑P	P	16 46 12.2 -0.1
PVCC	Panska Ves	38.57	79	eP	P	16 46 12.7 +0.3
G06A	Carlson Farm,	38.60	266	↑P	P	16 46 12.2 -0.5
CABF	La Chapelle	38.67	90	eP	P	16 46 13.6 +0.3
CABF	La Chapelle	38.67	90	eP	P	16 46 13.6 +0.3
O19A	Miners Draw (B	38.69	250	↑P	P	16 46 13.5 0.0
N17A	Moffitt Pass	38.73	252	↑P	P	16 46 14.1 +0.3
P21A	Newcastle	38.80	248	↑P	P	16 46 14.8 +0.3
Q23A	Hartsel	38.80	245	↑P	P	16 46 14.7 +0.2
SUP	Suwalki	38.83	69	eP	P	16 46 15.5 +1.0
KSW	Ksiaz	38.85	77	eP	P	16 46 16.9 +1.4
PRT	Pruhonice	39.01	79	eP	P	16 46 16.6 +0.5
WETZ	Wetzell	39.02	82	eP	P	16 46 16.9 +0.1
R24A	Sanders Place,	39.16	244	↑P	P	16 46 17.7 +0.2
I07A	Ize	39.16	264	↑P	P	16 46 17.3 -0.1
DPC	Dobruska-Polom	39.36	78	eP	P	16 46 19.5 +0.5
DPC	Kasperske Hory	39.36	81	eP	P	16 46 26.6 +4.5
KHC	Kasperske Hory	39.36	81	eP	P	16 46 19.4 +0.4
KHC	Kasperske Hory	39.36	81	eP	P	16 46 19.6 +0.6
ETSF	Etsaut	39.37	99	eP	P	16 46 19.8 +0.6
ETSF	Etsaut	39.37	99	eP	P	16 46 19.8 +0.6
J08A	Circle Bar Ran	39.40	262	↑P	P	16 46 19.4 -0.1
S25A	Robets Cordova	39.45	243	↑P	P	16 46 20.4 +0.5
EPF	Esparrros	39.59	98	eP	P	16 46 20.5 -0.5
EPF	Esparrros	39.59	98	eP	P	16 46 20.5 -0.5
VIVF	Saint-Julien-1	39.63	93	eP	P	16 46 21.8 +0.5
VIVF	Saint-Julien-1	39.63	93	eP	P	16 46 21.8 +0.5
GE2C	GERESS Array S	39.64	81	eP	P	16 46 21.8 +0.4
GERES	GERESS Array B	39.64	81	eP	P	16 46 22.5 +1.1
GERES	comp-Z,4.4nm,0.7s,mb4.3,baz=324,slo=6.6,SNR=20					17 02 03.3
GERES	GERESS Array B	39.64	81	eP	P	16 46 22.5 +1.1
PMAFR	Mafra	39.70	112	eP	P	16 46 21.8 -0.2
BEL	Belsk	39.75	73	eP	P	16 46 23.1 +0.9
KRLD	Kraliky	39.76	78	eP	P	16 46 22.7 +0.4
LPL	La Plagne	39.84	90	eP	P	16 46 24.3 +1.2
LPL	La Plagne	39.84	90	eP	P	16 46 24.3 +1.2
LPG	La Plagne	39.86	90	eP	P	16 46 24.7 +1.4
LPG	La Plagne	39.86	90	eP	P	16 46 24.7 +1.4
R21A	Cimarron	39.87	247	↑P	P	16 46 24.0 +0.6
O15A	The Old Anders	39.90	254	↑P	P	16 46 23.8 +0.2
T25A	Trinidad	39.92	243	↑P	P	16 46 23.8 0.0
Q19A	Hogan Spring (	39.94	249	↑P	P	16 46 23.1 -0.8
PMTG	Montargil	39.97	110	eP	P	16 46 22.8 -1.4
TUE	Stuetta	40.01	87	eP	P	16 46 26.2 +1.7
DUG	Dugway	40.09	254	↑P	P	16 46 25.5 +0.3
Q18A	Rafter H Ranch	40.11	250	↑P	P	16 46 25.1 -0.3
BILL	Bilibino	40.49	336	eP	P	16 46 27.9 -0.3
MBDF	Montbardon	40.52	91	eP	P	16 46 29.9 +1.2
MBDF	Montbardon	40.52	91	eP	P	16 46 29.9 +1.2
R19A	Curley Farm, L	40.53	249	↑P	P	16 46 28.7 -0.2
S21A	Coal Bank Pass	40.59	247	↑P	P	16 46 29.4 +0.1
Q16A	Castle Valley	40.64	251	↑P	P	16 46 29.7 0.0
R18A	Canyonlands Na	40.67	250	↑P	P	16 46 30.3 +0.3
T22A	Edith	40.87	245	↑P	P	16 46 32.4 +0.7
R17A	Hanksville Air	40.92	250	↑P	P	16 46 32.2 +0.1
ESDC	Sonsec Array	40.95	105	P	P	16 46 32.0 -0.2
ESDC	Sonsec Array	40.95	105	P	P	16 46 32.0 -0.2
S19A	Harvey Farm, M	40.98	248	↑P	P	16 46 32.2 +0.2
T21A	Navajo Lake	41.10	246	↑P	P	16 46 34.2 +0.6
PBAR	Barrancos	41.18	110	eP	P	16 46 33.6 -0.6
MVCO	Meca Verde	41.24	247	↑P	P	16 46 35.2 +0.5

U23A	baz=41 El Rito	41.25	244	↑P	P	16 46 35.3 +0.5
SMOL	Smolence	41.29	78	eP	P	16 46 36.3 +1.3
PCVE	Case Verde	41.29	81	eP	P	16 46 35.0 +0.4
MSU	Marysval	41.65	252	↑P	P	16 46 36.5 +0.8
W27A	Bowe Ranch, T	41.37	240	↑P	P	16 46 36.5 +0.6
W26A	Owens Ranch, T	41.58	241	↑P	P	16 46 37.5 0.0
U21A	Nageezi	41.66	246	↑P	P	16 46 38.2 +0.1
T19A	Beeblibito	41.76	248	↑P	P	16 46 39.1 +0.1
X27A	F and S Farms,	41.77	240	↑P	P	16 46 39.7 +0.7
T18A	Mexican Hat	41.78	249	↑P	P	16 46 39.7 +0.6
VYHS	Vyhne	41.82	77	eP	P	16 46 40.1 +0.8
S16A	Wepner Ranch,	41.86	251	↑P	P	16 46 40.7 +1.0
V22A	San Miguel Ran	41.87	245	↑P	P	16 46 39.7 -0.1
U20A	Newcomb	42.00	247	↑P	P	16 46 41.4 +0.5
X26A	CR and CF Fran	42.08	240	↑P	P	16 46 42.2 +0.5
MXST	Muleshoe	42.28	239	↑P	P	16 46 44.2 +0.9
R13A	O'Grain Ranch,	42.29	254	↑P	P	16 46 44.0 +0.7
W23A	Werner Place,	42.30	243	↑P	P	16 46 44.4 +1.0
KECS	Kecovo	42.43	76	eP	P	16 46 43.9 -0.4
ARUT	Antelope Range	42.45	253	↑P	P	16 46 45.9 +1.2
Y27A	Causey	42.49	239	↑P	P	16 46 45.4 +0.4
V20A	Brimhall	42.50	246	↑P	P	16 46 45.5 +0.5
U17A	Shonto	42.54	249	↑P	P	16 46 45.8 +0.5
Y26A	Elida	42.64	240	↑P	P	16 46 47.7 +1.3
R11A	Troy Canyon, C	42.73	255	↑P	P	16 46 47.7 +0.8
Y25A	Mesa, Roswell	42.95	241	↑P	P	16 46 49.0 +0.3
Z27A	Tatum	43.03	239	↑P	P	16 46 49.5 +0.2
V18A	Ganado	43.08	248	↑P	P	16 46 50.0 +0.2
Y24A	Capitan	43.19	242	↑P	P	16 46 50.8 +0.2
Z26A	Caprock	43.31	240	↑P	P	16 46 51.8 +0.2
WCN	Washoe City	43.41	260	↑P	P	16 46 52.3 +0.2
V17A	Tonale, Kykot	43.46	249	↑P	P	16 46 53.1 +0.2
CPRX	Cap Rock	43.50	240	eP	P	16 46 53.1 -0.1
NVAR	Mina Array Bea	43.64	258	P	P	16 46 54.1 -0.2
NVAR	comp-Z,1.7nm,0.6s,mb3.9,baz=35,slo=3.9,SNR=7.4					17 05 09.9
NVAR	comp-Z,3.05nm,19.3s,MS4.2,baz=90,slo=36					17 06 59.1 -0.2
NVAR	Mina Array Bea	43.64	258	P	P	16 46 54.9 -1.3
AKASG	Malin Array Be	43.65	87	P	P	16 46 52.9 -1.3
AKASG	Malin Array Be	43.65	87	P	P	16 46 52.9 -1.3
KIEV	Kiev	43.65	67	P	P	16 46 52.4 -1.8
Y22A	Socorro	43.69	244	↑P	P	16 46 54.7 0.0
WUAZ	Wupatki	43.76	249	↑P	P	16 46 55.7 +0.5
126A	Claron Basin,	43.90	239	↑P	P	16 46 57.0 +0.6
X19A	St. Johns	44.02	246	↑P	P	16 46 57.9 +0.5
226A	Malaga, Loving	44.47	239	↑P	P	16 47 01.3 +0.3
JCT	Junction City	44.60	234	↑P	P	16 47 01.5 -0.5
328A	Wristen Ranch,	44.69	237	↑P	P	16 47 02.4 -0.3
X16A	Lo Mia Camp, P	44.78	249	↑P	P	16 47 03.6 +0.3
BUR08	Buocovina Ar, S	44.83	73	eP	P	16 47 03.7 +0.1
224A	Cornudas Mount	44.91	241	↑P	P	16 47 05.1 +0.6
326A	Caldwell Ranch	45.12	239	↑P	P	16 47 07.5 +1.3
SHOC	Shoshone	45.16	255	↑P	P	16 47 06.6 +0.2
MNTX	Cornudas Mount	45.22	241	↑P	P	16 47 07.4 +0.5
Y17A	Roosevelt	45.22	248	↑P	P	16 47 07.1 +0.2
121A	Coakes Peak, D	45.24	244	↑P	P	16 47 06.8 -0.3
427A	Hayter Ranch,	45.27	238	↑P	P	16 47 08.6 +0.5
325A	Bean Ranch, Si	45.38	240	↑P	P	16 47 08.3 +0.1
MPMC	Manual Prospec	45.45	256	↑P	P	16 47 09.2 +0.5
324A	Moseley Ranch,	45.48	240	↑P	P	16 47 09.1 +0.1
ISA	Isabella	45.61	257	↑P	P	16 47 15.1 +0.7
526A	Mary Lane Ranc	46.31	238	↑P	P	16 47 16.3 +0.8
628A	Black Gap, Mar	46.47	237	↑P	P	16 47 17.5 +0.6
627A	Terlingua Ranc	46.66	237	↑P	P	16 47 19.1 +0.8
EDW2						







26d 18h

Table with columns: YKA, Yellowknife Ar, 82.96 27 P, 18 19 34.9 -0.7

ISCJB 26 18:11:54.0, 0.4, 37.91N, 0.02, 29.19E, 0.03, h3km, 5km, Error ellipse: s-maj=4.2km s-min=2.8km az=176.3

Main table for 26d 18h section with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res

ISCJB 26 18:14:43.0, 1.5, 2.41S, 0.05, 68.10E, 0.05, h2km, 9km, mb4.6/58, MS4.3/28, Error ellipse: s-maj=8.4km

BUI 26 18:14:44.4, 2.25S, 67.94E, h10km, mb5.1/20, mb4.6/26, MS4.8/18, MS7.4/5.19

IDC 26 18:14:44.3, 0.5, 2.35S, 68.15E, h0km, mb4.2/21, mb1.4/3.21, mb1mx4.3/27, mbtmp4.2/21, MS4.2/20, MS1.4/2.20, ms1mx4.1/28, Error ellipse: s-maj=16.5km

NEIC 26 18:14:45.8, 0.3, 2.43S, 68.14E, h10km, mb4.9/27, Error ellipse: s-maj=7.7km s-min=7.2km az=122.0

GCMT 26 18:14:43.1, 0.2, 2.50S, 68.13E, h12km, MW5.0, Moment Tensor Solution, s30,c40, s74,c120; Moment tensor: Scale 10^16Nm; Mr=0.93; 11; Mw=2.47; 10; Mw3.40; 10; Mw=0.14; 30; Mw=1.73; 09; Mw=0.05; 27; Best double couple: M3.400000x10^16 Np1.3000000, d87.000000, lambda=2.000000, NP2.3012000000, d88.000000, lambda=177.000000; Principal axes: T 3.87000, P1g1.00000, Azm255.00000; N -0.92000, P1g6.00000, Azm149.00000; P -2.95000, P1g4.00000, Azm345.00000; Data Used: II IC I G CN

DJA 26 18:14:49.2, 3.35S, 68.30E, h10km, mb5.1/9, ISC 26 18:14:47.0, 1.6, 2.44S, 0.04, 68.12E, 0.05, h15km, 10km, h18km, 1.1km, p3.2, 1.44S, 0.19, 22, 125, mb4.6/58, MS4.3/28, IC, Carlsberg Ridge

Main table for 26d 18h section (continued) with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res

2008 DEC

Table with columns: DANN, Dangsing, 34.11 25 eP, 18 21 32.0 +0.8

Table with columns: PKI, Pulchoki, 34.17 28 eP, 18 21 32.2 +0.4

Table with columns: RAMN, Ramite, 34.23 30 eP, 18 21 33.7 +1.4

Table with columns: ODAN, Odare, 34.56 31 eP, 18 21 36.4 +1.2

Table with columns: LSA, Lhasa, 38.82 33 eP, 18 22 12.5 +1.1

Table with columns: BHD, Baghdad, 42.00 330 eX, 18 22 05.1 -1.0

Table with columns: KSH, Kuching, 42.36 85 P, 18 22 36.8 -4.2

Table with columns: KMI, Kunming, 43.33 49 P, 18 22 47.5 -1.1

Table with columns: EKS2, Erkin-Say, 45.18 6 eP, 18 23 00.6 -2.6

Table with columns: AAK, Ala-Archa, 45.23 7 eP, 18 23 06.9 +3.3

Table with columns: LBTB, Lobatse, 46.69 237 P, 18 23 16.3 +0.8

Table with columns: GYA, Guiyang, 47.02 50 P, 18 23 15.9 +0.5

Table with columns: CD2, Chengdu, 47.45 43 eP, 18 23 22.0 +0.8

Table with columns: GNI, Gani, 47.48 336 P, 18 23 21.7 +0.4

Table with columns: BOSB, Boshof, 49.39 233 eP, 18 23 28.1 -0.5

Table with columns: WMQ, Urumqi, 49.29 19 eP, 18 23 35.5 +0.3

Table with columns: MK31, Makanchi Array, 50.59 13 eP, 18 23 43.3 -1.8

Table with columns: LKH, Lanzhou, 50.79 38 eP, 18 23 48.0 +1.9

Table with columns: LZH, Lanzhou, 50.79 38 eP, 18 23 48.0 +1.9

1192

Table with columns: LZH, comp=E, 260nm, 16, 2s, MS4.4, LR, LR

Table with columns: ENH, Enshi, 51.14 47 eP, 18 23 48.7 -0.8

Table with columns: BRTR, Keskin Array B, 52.53 327 P, 18 23 58.8 -0.9

Table with columns: ZAAO, Zalesovo Array, 57.89 12 eP, 18 24 36.8 -1.3

Table with columns: FITZ, Fitzroy Crossi, 58.45 110 P, 18 24 43.1 +0.4

Table with columns: HHC, Huo-hao-te, 58.49 38 eP, 18 24 45.5 +1.9

Table with columns: NJ2, Nanjing, 59.03 50 eP, 18 24 50.5 +4.0

Table with columns: AKAS, Malin Array Be, 62.49 333 P, 18 25 07.1 -2.6

Table with columns: JOW, Kunigami, 64.83 59 LR, 18 25 42.3

Table with columns: CRWS, Cervencia-Dubn, 65.12 328 eP, 18 25 25.1 -2.0

Table with columns: VYHS, Vyhne, 66.30 327 eP, 18 25 33.3 -1.4

Table with columns: WRA, Warramunga Arr, 66.84 111 P, 18 25 38.6 -0.2

Table with columns: WRAB, Tennant Creek, 66.85 111 P, 18 25 37.8 -0.2

Table with columns: ASAR, Alice Springs, 66.89 115 P, 18 25 38.7 -0.3

Table with columns: CLM, Colim, 70.99 327 eP, 18 26 03.0 -0.9

Table with columns: USRK, Ussuriysk Arr, 73.33 42 LR, 18 26 15.8

Table with columns: DBIC, Dimbokro, 73.40 278 P, 18 26 19.5 +0.4

Table with columns: STKA, Stephens Creek, 74.70 122 P, 18 26 26.7 +0.3

Table with columns: DZM, Mont Dzumac, 96.80 112 eLR, 18 29 44.1

Table with columns: YKA, Lowlowknife Ar, 120.06, 1 PKP, PKPdf, 18 33 37.6 +0.8, comp=Z,0.3nm,0.6s,baz=343,slow=2.3,SNR=8.0

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

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

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

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

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

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

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

ISJCJB 26 18:20:25.0,4,37.88N;0.02:29.19E:0.04,h11km,5km, Error ellipse: s-maj=5.3km s-min=3.7km az=170.3

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KRVT, KRZ, KRX, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like FITZ, GSPA, MBWA, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like MJAR, USRK, KSRs, etc.

ISCJB 26:20:44:36.8, 0.3, 7.07S, 0.04, 123.52E, 0.05, h665km, 4km, mb4, 3/4, Error ellipse: s-maj=8.6km s-min=4.5km az=149.1

DJA 26:20:44:37.7, 14S, 123.50E, h650km, MLv4.9/13, IDC 26:20:44:38.1, 0.7, 7.02S, 123.55E, h655km, 10km, mb3.5/18, mb1.3/22, mb1mx3.62, mb1mx3.5/22, Error ellipse: s-maj=16.6km s-min=6.6km az=64.0

NEIC 26:20:44:38.3, 0.5, 7.01S, 123.52E, h656km, 6km, mb4.4/30, Error ellipse: s-maj=9.0km s-min=4.1km az=58.0

ISC 26:20:44:37.7, 0.3, 7.05S, 0.04, 123.52E, 0.05, h650km, 3km, n114, 0887/117, mb4, 3/4, Banda Sea

NEIC 26:20:05:39.6, 0.31, 43N, 115.84W, h10km, ML2.8(EXC), After ECX.

ECX 26:20:05:39.6, 0.5, 31.43N, 115.84W, h10km, MD2.7, ML2.7, 1C-4D, Baja California

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like RDX, ECNX, etc.

IDC 26:20:23:55.3, 0.7, 46.156N, 156.16E, h0km, mb3.8/11, mb1.4/16, mb1mx3.9/28, mb1mx3.9/16, ML3.5/5, MS3.5/5, Ms1.3/5.5, ms1mx3.2/39, Error ellipse: s-maj=24.1km s-min=14.1km az=144.0

NEIC 26:20:23:56.0, 0.5, 46.59N, 156.15E, h10km, mb4.3/4, Error ellipse: s-maj=13.1km s-min=7.6km az=143.0

ISCJB 26:20:23:58.3, 0.6, 46.70N, 156.15E, 0.1, h33km, mb3.9/15, MS3.5/4, Error ellipse: s-maj=13.8km s-min=8.0km az=34.4

ISC 26:20:24:00.5, 0.6, 46.67N, 156.07E, 0.1, h35km, n39, e1313/42, mb3.9/15, MS3.5/4, East of Kuril Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like PETK, ASAJ, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like GTOI, KHKI, TNTI, etc.





26d 21h

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

NEIC 26.20:55:17.4,3.0,2.09N,125.36E,h135km,29km,m4.2/5, Error ellipse: s-maj=24.2km s-min=7.2km az=49.0

ISCJB 26.21:37:08.6,37.90N,29.27E,h12km,MD2.7, Error ellipse: s-maj=5.2km s-min=3.2km az=84.0

ISCJB 26.21:37:10.2,0.5,37.90N,0.02-29.21E,0.05,h9km,6km, Error ellipse: s-maj=7.0km s-min=4.1km az=179.4

ISCJB 26.21:37:10.3,37.89N,29.21E,h7km,5km,MD2.9, Error ellipse: s-maj=7.0km s-min=4.1km az=179.4

ISCJB 26.21:37:10.5,0.5,37.91N,0.02-29.22E,0.06,h15km,6km, Error ellipse: s-maj=7.0km s-min=4.1km az=179.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DENT Denizli, DENT Denizli, DENT Denizli, KHAL Karahalli, etc.

ISCJB 26.21:16:04.8,0.5,39.88N,0.03-40.81E,0.03,h3km,5km, Error ellipse: s-maj=4.7km s-min=3.3km az=0.3

ISCJB 26.21:16:04.4,0.3,39.87N,40.77E,h2km,MD3.0, Error ellipse: s-maj=5.8km s-min=4.9km az=7.0

DDA 26.21:16:05.0,39.96N,40.82E,h7km,5km,MD3.2, Error ellipse: s-maj=5.8km s-min=4.9km az=7.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KOPT Kop Dag, KOPT Kop Dag, KOPT Kop Dag, ERZM Erzurum, etc.

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

ISCJB 26.21:37:08.6,37.90N,29.27E,h12km,MD2.7, Error ellipse: s-maj=5.2km s-min=3.2km az=84.0

ISCJB 26.21:37:10.2,0.5,37.90N,0.02-29.21E,0.05,h9km,6km, Error ellipse: s-maj=7.0km s-min=4.1km az=179.4

ISCJB 26.21:37:10.3,37.89N,29.21E,h7km,5km,MD2.9, Error ellipse: s-maj=7.0km s-min=4.1km az=179.4

ISCJB 26.21:37:10.5,0.5,37.91N,0.02-29.22E,0.06,h15km,6km, Error ellipse: s-maj=7.0km s-min=4.1km az=179.4

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

ISCJB 26.21:46:18.9,2.5,10.3S,0.2-16.12E,0.2,h119km,18km, Error ellipse: s-maj=4.1km s-min=2.0km az=39.5

ISCJB 26.21:46:18.7,3.2,10.2S,161.31E,h107km,24km,mb3.6/8, Error ellipse: s-maj=35.7km s-min=20.4km az=122.0

NEIC 26.21:46:19.1,1.9,10.2S,161.27E,h110km,14km,mb4.0/1, Error ellipse: s-maj=28.5km s-min=13.7km az=130.0

ISCJB 26.21:46:19.3,2.6,10.3S,0.2-16.13E,0.2,h110km,20km, Error ellipse: s-maj=4.1km s-min=2.0km az=39.5

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

ISCJB 26.21:48:40.0,1.6,17.64S,178.93W,h515km,16km, Error ellipse: s-maj=7.19km s-min=3.82km az=133.0

ISCJB 26.21:48:41.3,0.6,17.68S,178.07W,107km,0.07, Error ellipse: s-maj=12.9km s-min=8.9km az=139.7

NEIC 26.21:48:41.5,0.6,17.63S,178.96W,h538km,6km,mb4.5/22, Error ellipse: s-maj=8.9km s-min=6.4km az=134.0

BUI 26.21:48:41.6,17.60S,178.80W,h543km,mb5.1/2,mb4.7/5, Error ellipse: s-maj=21.48km s-min=10.77km az=133.0

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

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

ISCJB 26.21:16:04.8,0.5,39.88N,0.03-40.81E,0.03,h3km,5km, Error ellipse: s-maj=4.7km s-min=3.3km az=0.3

ISCJB 26.21:16:04.4,0.3,39.87N,40.77E,h2km,MD3.0, Error ellipse: s-maj=5.8km s-min=4.9km az=7.0

DDA 26.21:16:05.0,39.96N,40.82E,h7km,5km,MD3.2, Error ellipse: s-maj=5.8km s-min=4.9km az=7.0

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

ISCJB 26.21:16:04.8,0.5,39.88N,0.03-40.81E,0.03,h3km,5km, Error ellipse: s-maj=4.7km s-min=3.3km az=0.3

ISCJB 26.21:16:04.4,0.3,39.87N,40.77E,h2km,MD3.0, Error ellipse: s-maj=5.8km s-min=4.9km az=7.0

DDA 26.21:16:05.0,39.96N,40.82E,h7km,5km,MD3.2, Error ellipse: s-maj=5.8km s-min=4.9km az=7.0

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



Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like NOA NORSAR Array B, HFS Hagfors, AKASG Malin Array Be, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like USRK Ussuriysk Arra, INK Inuvik, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CMIG Huatulco, HUIG Huatulco, OXX Oaxaca, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CLL Dobruska-Polom, DPC Berggiesshubb, BRG Berggiesshubb, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like IDC 26 22:12:56.77.3, mb1 3.2/1.1, mb1mx3.0/29, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KHAL Karahalli, SHUT Suhut-Afyon, KBL Kabul, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ISR Isritra, MDRC Mikovskiy Berou, MLR Muntele Rosu, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like IDC 26 22:12:58.3.0.9, NEIC 26 22:12:58.3.0.9, NNC 26 22:13:04.3.7, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like DDA 26 23:42:46.6, CSEM 26 23:42:46.9, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like GERES GERESS Array B, GERES GERESS Array B, GERES GERESS Array B, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like IDC 26 22:19:18.5.9.3, mb1 3.0/2, mb1mx2.9/13, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MOS 27 00:00:59.0, BYKL 27 00:00:59.2, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KRSC 26 21:57:13.9, Eastern Siberia, TILR Tilihchiki, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like IDC 26 22:02:37.6, mb1 3.9/1.1, mb1mx3.6/27, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MXMB Maksimikha, MXMB Maksimikha, etc.

27d 0h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like OGRR Ongureny, OGRR Orlik, OGRR Suvo, etc.

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like ORL, BOD, ULN, TUP, etc.

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like SMG Samos, AKAS, ELL, etc.

NEIC 27 00:32:01.2, 5.7, 7.84S, 127.83E, h187km, 63km, Error ellipse: s-maj=56.4km s-min=24.6km az=210.0

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like FITZ, WRAB, WRA, etc.

ISJCJB 27 00:32:03.5, 0.5, 37.6N, 0.1, 31.8W, 0.1, h10km, mb4.1/20, MS3.9/9, Error ellipse: s-maj=16.6km s-min=10.1km az=154.8

ISJCJB 27 00:32:05.0, 4.0, 37.55N, 31.81W, h10km, mb4.8/6, Error ellipse: s-maj=11.1km s-min=6.8km az=155.0

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like ESDC, BGF, SSF, etc.



27d 1h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like PLWZ, MTW, HOWZ, MRZ, FOZ, LBZ.

ISCJB 27 01:20:12.3.0.7, 37.4N:0.2:31.9W:0.1, h10km, mb3.8/10, MS3.6/3, Error ellipse: s-maj=24.1km s-min=15.1km az=2.0

IDC 27 01:20:12.7.1.0, 37.38N:31.83W, h0km, mb3.6/8, mb1 3.8/8, mb1mx3.6/27, mbtmp3.6/8, MS3.7/3, Ms1 3.6/3, ms1mx3.3/25, Error ellipse: s-maj=31.1km s-min=22.4km az=5.0

NEIC 27 01:20:14.0.0.6, 37.37N:31.85W, h10km, mb4.2/1, Error ellipse: s-maj=31.1km s-min=13.3km az=180.0

ISC 27 01:20:14.4.0.7, 37.44N:0.2:31.9W:0.1, h10km, n22, 0572/18, mb3.8/10, MS3.6/3, Azores Islands region

Main station list for the first section, including codes, station names, azimuths, elevations, and various error metrics. Stations include ESCD, SOND, SADO, TORO, YKA, YKA, YKA, TXAR, TXAR, AKTO, AKTO, ILAR, ILAR, MKAR, MKAR, WRA, WRA.

ISCJB 27 01:21:30.8.0.6, 37.6N:0.1:31.77W:0.07, h10km, mb4.2/34, MS3.9/3, Error ellipse: s-maj=16.7km s-min=8.0km az=177.9

IDC 27 01:21:31.1.0.8, 37.59N:31.74W, h0km, mb4.0/15, mb1 4.2/15, mb1mx4.1/27, mbtmp4.1/15, MS4.0/3, Ms1 4.0/3, ms1mx3.5/27, Error ellipse: s-maj=24.8km s-min=16.2km az=171.0

NEIC 27 01:21:32.6.0.3, 37.59N:31.76W, h10km, mb4.7/16, Error ellipse: s-maj=9.1km s-min=4.5km az=178.0

CSEM 27 01:21:32.7.0.1, 37.64N:31.78W, h10km, mb4.6/19, Error ellipse: s-maj=6.8km s-min=3.3km az=178.0

ISC 27 01:21:32.9.0.6, 37.67N:0.1:31.75W:0.07, h10km, n112, 0545/103, mb4.2/34, MS3.9/3, 18C, Azores Islands region

Main station list for the second section, including codes, station names, azimuths, elevations, and various error metrics. Stations include ESCD, ESCD, BGF, BGF, AVF, AVF, SSF, SSF, SMF, SMF, LOR, LOR, BAIF, BAIF, MEZF, MEZF, SCHO, SCHO, HAU, HAU, WLF, WLF, HINF, HINF, CDF, CDF, FRB, FRB, CLL, CLL, GERES, GERES, TAM, TAM, NOA, NOA, YNS, YNS, TORO, TORO, KECS, KECS.

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Main station list for the third section, including codes, station names, azimuths, elevations, and various error metrics. Stations include FINES, FINES, AKASG, AKASG, RES, RES, FFC, FFC, YKA, YKA, YKA, YKA, YKA, YKA, TXAR, TXAR, MNTX, MNTX, INK, INK, ARU, ARU, AKTO, AKTO, LPAZ, LPAZ, LPAZ, LPAZ, NVAR, NVAR, ILAR, ILAR, MCK, MCK, KURK, KURK, ZALV, ZALV, ZALV, ZALV, TKM2, TKM2, MKAR, MKAR, SONM, SONM, WRA, WRA, ASAR, ASAR, ASAR, ASAR.

ISK 27 01:38:48.8.40, 72N:30.58E, h2km, MD3.2

CSEM 27 01:38:49.0.2, 40.71N:30.55E, h2km, MD3.2, Error ellipse: s-maj=4.5km s-min=2.8km az=22.0

DDA 27 01:38:49.7, 40.74N:30.63E, h2km, MD3.3, Turkey

Main station list for the fourth section, including codes, station names, azimuths, elevations, and various error metrics. Stations include HENT, HENT, HENT, HENT, SPNC, SPNC, SPNC, SPNC, GULT, GULT, GULT, GULT, MDUB, MDUB, MDUB, MDUB, HRT, HRT, ADVT, ADVT, CAVI, CAVI, SILT, SILT, BORA, BORA, BORA, BORA, YLV, YLV, GEMT, GEMT, GEMT, GEMT, BUY, BUY, BUY, BUY, ESKT, ESKT, ESKT, ESKT, SEYT, SEYT, SEYT, SEYT, ISK, ISK, ULDT, ULDT, ULDT, ULDT, KLYT, KLYT, KLYT, KLYT, ARMT, ARMT, ARMT, ARMT, MDNY, MDNY, MDNY, MDNY, SVRH, SVRH.

1200

Main station list for the fifth section, including codes, station names, azimuths, elevations, and various error metrics. Stations include SVRH, SVRH, BGKT, BGKT, SAFT, SAFT, SAFT, SAFT, CTKS, CTKS, ELBA, ELBA, ELBA, ELBA, ELBA, ELBA, ALT, ALT, ALT, ALT, KCTX, KCTX, KCTX, KCTX, LOD, LOD, LOD, LOD, GDZ, GDZ, GDZ, GDZ, GDZ, GDZ, SLVT, SLVT, SLVT, SLVT, CTYL, CTYL, CTYL, CTYL, DST, DST, DST, DST, DURS, DURS, DURS, DURS, DURS, DURS, BOLV, BOLV, BOLV, BOLV, BOLV, BOLV, KIZT, KIZT, KIZT, KIZT, BNT, BNT, BNT, BNT, ELDT, ELDT, ELDT, ELDT, EDC, EDC, EDC, EDC, SHUT, SHUT, SHUT, SHUT, BBAL, BBAL, BBAL, BBAL, AFSR, AFSR, AFSR, AFSR, GONE, GONE, GONE, GONE, MFT, MFT, MFT, MFT, KRKB, KRKB, KRKB, KRKB, RKY, RKY, RKY, RKY, KULA, KULA, KULA, KULA, CORM, CORM, CORM, CORM.

ISCJB 27 01:40:15.9.0.7, 37.7N:0.1:31.8W:0.1, h10km, mb3.8/13, MS3.5/5, Error ellipse: s-maj=21.9km s-min=13.9km az=17.0

IDC 27 01:40:16.2.0.9, 37.65N:31.77W, h0km, mb3.8/11, mb1 4.0/11, mb1mx3.8/28, mbtmp3.8/11, MS3.6/5, Ms1 3.6/5, ms1mx3.4/29, Error ellipse: s-maj=27.9km s-min=20.8km az=12.0

NEIC 27 01:40:17.6.0.5, 37.64N:31.77W, h10km, mb4.2/3, Error ellipse: s-maj=15.1km s-min=9.5km az=195.0

ISC 27 01:40:17.9.0.7, 37.7N:0.1:31.7W:0.1, h10km, n29, 0540/24, mb3.8/13, MS3.5/5, Azores Islands region

Main station list for the sixth section, including codes, station names, azimuths, elevations, and various error metrics. Stations include ESCD, ESCD, BBTB, BBTB, SCHO, SCHO, TAM, TAM, TORO, TORO, TORO, TORO, DBIC, DBIC, YKA, YKA, TXAR, TXAR, INK, INK, INK, INK, LPAZ, LPAZ, LPAZ, LPAZ, ILAR, ILAR, ILAR, ILAR, ILAR, ILAR, KURK, KURK, ZALV, ZALV, ZALV, ZALV, MKAR, MKAR, SONM, SONM, ASAR, ASAR, ASAR, ASAR.

ISCJB 27 01:49:54.6.0.9, 37.88N:0.04:29.22E:0.07, h10km, 8km, Error ellipse: s-maj=9.9km s-min=5.5km az=29.5

ISK 27 01:49:54.3, 37.88N:29.21E, h4km, MD2.6

CSEM 27 01:49:54.7, 37.87N:29.20E, h8km, MD2.6, Error ellipse: s-maj=3.6km s-min=2.6km az=120.0

DDA 27 01:49:55.9, 37.96N:29.21E, h7km, 3km, MD2.6

ISC 27 01:49:55.0, 37.88N:0.04:29.24E:0.08, h6km, 15km, n12, 0566/22, Turkey

Main station list for the seventh section, including codes, station names, azimuths, elevations, and various error metrics. Stations include DENI, DENI, DENI, DENI, KHAL, KHAL, KHAL, KHAL, KHAL, KHAL, KULA, KULA, KULA, KULA, MANT, MANT, MANT, MANT, YERK, YERK, YERK, YERK.





27d 5h

Table with columns: PUZ, Puketiti, 4.93 201, PN, Pn, 03 52 41.4, -0.1, etc.

IDC 27 04:27:43.1±2.2, 6:148Sx178.78W, h0km, mb4.0/5,

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

IDC 27 04:34:39.3±2.2, 6:145S:129.43E, h0km, mb4.0/1,

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

NNC 27 04:40:12.3±4.3, 37:79Nk:70.88E, h0km, mb3.9, mpv3.7,

Error ellipse: s-maj=32.8km s-min=2.2km az=15.0

ISC 27 04:40:11.2±2.8, 37.5N-02-70.9E-0.1, h10km, n8,

c092°11, 2C-ID, Afghanistan-Tajikistan border region

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

NEIC 27 04:52:17.2, 16:41N:96:10W, h70km, MD3.8(MEX), After

MEX, Oaxaca

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

NEIC 27 05:24:31.4, 38:36S:175.72E, h193km, MG3.9(WEL),

After WEL

WEL 27 05:24:32.9±0.3, 38:40S:175.76E, h180km, 2km, ML3.9/18,

Error ellipse: s-maj=2.6km s-min=2.2km az=0.0, North Island

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

2008 DEC

Table with columns: NMHZ, Ngauruhoe, 0.79 189, Pn, Pn, 05 24 59.3, +0.2, etc.

ISC 27 05:26:58.9, 0.39:48N:33:05E, h3km, MD2.8

CSEM 27 05:26:59.7±0.2, 39:48N:33:03E, h4km, 2km, MD2.8, Error

ellipse: s-maj=5.5km s-min=4.5km az=166.0

ISC JB 27 05:27:00.2±0.5, 39:48N:03:33:04E±0.04, h10km, Error

ellipse: s-maj=4.3km s-min=4.0km az=162.7

DDA 27 05:27:00.1, 39:43N:33:08E, h7km, 1km, MD2.9

ISC 27 05:27:00.4±0.5, 39:45N:03:33:04E±0.04, h2km, 5km,

n26, c080/42, Turkey

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

ISC 27 05:26:58.9, 0.39:48N:33:05E, h3km, MD2.8

CSEM 27 05:26:59.7±0.2, 39:48N:33:03E, h4km, 2km, MD2.8, Error

ellipse: s-maj=5.5km s-min=4.5km az=166.0

ISC JB 27 05:27:00.2±0.5, 39:48N:03:33:04E±0.04, h10km, Error

ellipse: s-maj=4.3km s-min=4.0km az=162.7

DDA 27 05:27:00.1, 39:43N:33:08E, h7km, 1km, MD2.9

ISC 27 05:27:00.4±0.5, 39:45N:03:33:04E±0.04, h2km, 5km,

n26, c080/42, Turkey

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

1202

Table with columns: ELDOT, Eldivan, 1.08 16, iS, Sg, 05 27 36.6, +1.5, etc.

ISC JB 27 05:45:47.7±0.9, 14:5S:02:71.43W±0.09, h120km, 13km,

mb3.6/4, Error ellipse: s-maj=33.4km s-min=8.2km

az=22.6

IDC 27 05:45:48.3±1.6, 14:14S:71:22W, h97km, 32km, mb3.5/3,

mb1 3.5/6, mb1mx3.4/17, mbtmp3.4/6, Error ellipse:

NEIC 27 05:45:48.2±1.3, 14:67S:71:39W, h113km, 12km, mb4.4/3,

Error ellipse: s-maj=32.4km s-min=13.2km az=199.0

ISC 27 05:45:49.0±0.8, 14:5S:02:72:141W±0.09, h116km, 12km,

n16, c125/18, mb3.6/4, Central Peru

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

DDA 27 05:47:09.3, 37:92N:29:25E, h7km, 3km, Md2.7

CSEM 27 05:47:09.5±0.3, 37:94N:29:22E, h30km, MD2.4, Error

ellipse: s-maj=9.6km s-min=5.0km az=106.0

ISC JB 27 05:47:10.2±0.9, 37:96N:03:29:19E±0.07, h10km, Error

ellipse: s-maj=8.0km s-min=3.3km az=166.9

ISC 27 05:47:12.1, 37:95N:28:94E, h5km, MD2.4

ISC 27 05:47:10.7±0.9, 37:96N:03:29:20E±0.07, h10km, n10,

c086/20, Turkey

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

TRN 27 05:59:15.2, 19:22N:64:77W, h13km, MD3.4(RSPR),

NEIC 27 05:59:17.0, 19:48N:64:68W, h19km, h19km, MD3.4(RSPR),

After RSPR

RSPR 27 05:59:17.0, 19:48N:64:68W, h19km, 7km, MD3.4/10,

24C-5D, Virgin Islands

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



DDA 27 06:03:21.6, 40.16N, 31.66E, h7km, 6km, MD3.0
ISCJB 27 06:03:22.0, 2.0, 40.14N, 0.04:31.66E, 0.04, h6km, 7km,
Error ellipse: s-maj=6.0km s-min=5.2km az=13.4
ISK 27 06:03:22.3, 40.13N, 31.66E, h9km, MD2.8
CSEM 27 06:03:22.0, 2.0, 40.14N, 31.67E, h2km, MD2.8, Error
ellipse: s-maj=5.8km s-min=5.0km az=27.0
ISC 27 06:03:22.5, 0.8, 40.15N, 0.04:31.69E, 0.05, h5km, 9km,
n30, o0993/40, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

NEIC 27 06:32:11.8, 39.49S, 174.41E, h219km, MG3.6(WEL),
After WEL
WEL 27 06:32:11.7, 0.4, 39.48S, 174.41E, h220km, 3km, ML3.6/8,
Error ellipse: s-maj=3.5km s-min=1.9km az=90.0, Bonin Islands
region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

IDC 27 06:49:37.2, 1.1, 27.56N, 140.28E, h291km, 15km, mb3.1/5,
mb1 3.3/5, mb1mx2.8/22, mbtmp3.1/5, Error ellipse:
s-maj=35.6km s-min=22.7km az=90.0, Bonin Islands
region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

ISCJB 27 06:59:55.3, 1.7, 49.57S, 0.07:164.11E, 0.08, h10km, 12km,
mb4/10, MS4.5/12, Error ellipse: s-maj=13.9km
s-min=5.6km az=150.2

IDC 27 06:59:57.1, 7.0, 49.76S, 163.14E, h0km, mb4.5/8,
mb1 4.5/8, mb1mx4.4/14, mbtmp4.5/8, MS4.5/14,
Ms1 4.5/14, ms1mx4.3/21, Error ellipse: s-maj=40.9km
s-min=20.9km az=58.0

NEIC 27 06:59:57.6, 0.6, 49.50S, 163.99E, h10km, mb4.6/6, Error
ellipse: s-maj=15.3km s-min=13.7km az=175.0

GCMT 27 06:59:59.0, 4.9, 79S, 163.48E, h12km, MW5.1,
Moment Tensor Solution, s33, c44, s68, c98; Moment
tensor: Scale 10^19Nm, Mrr=0.46, 2.0; Mtt=5.8, 16;
Mtt=5.8, 16; Mtt=5.8, 16; Mw=0.24; Ms=0.72, 48;
Best double couple: Ms 7.0000, 1016; NP1=34.4, 0.0000;
s85, 0.0000; 1.177, 0.0000; NP2=134.0000; s87, 0.0000;
1.5, 0.0000; Principal axes: T 5.9200, Plg6.0000;
Az=359.0000; N -0.5300, Plg84.0000; Az=164.0000;
P -5.3900, Plg2.0000; Az=269.0000; Az=164.0000;
Data Used: II U
G N C I C

ISC 27 06:59:57.5, 1.9, 49.56S, 0.07:164.06E, 0.07, h11km, 13km,
n83, r1910/64, mb4.4/10, MS4.5/12, Auckland Islands
region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

ISCJB 27 06:59:55.3, 1.7, 49.57S, 0.07:164.11E, 0.08, h10km, 12km,
mb4/10, MS4.5/12, Error ellipse: s-maj=13.9km
s-min=5.6km az=150.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

NEIC 27 07:05:00.0, 4.1, 80N, 143.30E, h50km, Mw4.0 Best double
couple: Ms9.61000, 1014; NP1=150.0000; s89, 0.0000;
1.4, 0.0000; NP2=257.0000; s52, 0.0000;
1.5, 0.0000

ISCJB 27 07:05:43.6, 0.7, 41.169N, 0.05:143.42E, 0.08, h49km, 5km,
mb3.8/1, Error ellipse: s-maj=12.2km s-min=5.7km
az=37.5

MOS 27 07:05:43.2, 1.4, 41.170N, 143.49E, h47km, mb4.3/2, Error
ellipse: s-maj=16.7km s-min=11.2km az=76.5

NEIC 27 07:05:45.6, 4.1, 77N, 143.33E, h41km, mb4.2/2, After
JMA

NEIC Recorded [1 JMA] in southern Hokkaido,
IDC 27 07:05:45.0, 8.1, 68N, 143.23E, h64km, 6km, mb3.5/11,
mb1 3.7/13, mb1mx3.5/26, mbtmp3.6/13, Error ellipse:
s-maj=19.4km s-min=15.5km az=123.0

JMA 27 07:05:45.6, 0.1, 41.177N, 143.33E, h41km, 1km, M3.7
JMA Felt 1 J1

ISC 27 07:05:45.2, 0.7, 41.75N, 0.05:143.37E, 0.08, h43km, 5km,
h55km, 4.0km, pP, n58, o0569/63, mb3.8/11, 4C-1D,
Hokkaido region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

Table with columns: RES, Station Name, Time, Res, and other parameters. Includes stations like Resolute Bay, Yellowknife Arr, Warramunga Arr, etc.

ISCJ 27 07:18:12.7-0.7, 1.94S:138.99E, h0km, mb4.1/10, mb1.4, 3/12, mb1mx2.2/18, mbtmp4.2/12, ML4.5/2, MS3.6/1, Ms1.3/6.1, ms1mx2.7/21, Error ellipse: s-maj=31.3km s-min=15.2km az=7.0

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

Table with columns: CPUP, Villa Florida, SDV, Santo Domingo, and other parameters. Includes station codes like KOZT, CEYT, GULE, etc.

NIED 27 07:29:02.24:50N:125.50E, h38km, Mw3.9 Best double couple: M6.77000:1014 NP1:15.170000:8.810000, 1.98.00000... NPD2:325.00000:843.00000:8.810000

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

Table with columns: GLHS, Ghlisar (BURDU), Karahalli, Karahalli, Kula-Manisa, etc. Includes station codes like KHAL, KORT, SHUT, etc.

TIR 27 08:26:59.8:4.5, 40.09N:23.83E, h0km, mb4.3 SKO 27 08:26:59.9, 40.04N:24.21E, h0km, M4.2, ML4.6

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



27R 8h

Table with columns: BRTR, Keskin Array B, 7.38 90 Pn, Pn, 08 28 51.8 +0.4, etc. Lists various astronomical observations with station names and coordinates.

2008 DEC

Table with columns: KIV, Kislodovsk, 14.37 68 eP, Pn, 08 30 28.7 +1.8, etc. Lists astronomical observations from Kislodovsk station.

1206

Table with columns: NVS, comp=Z,9.0nm,1.3s,mb4.2, pmax, pmax, 08 30 28.7 +1.8, etc. Lists astronomical observations from NVS station.



27d 11h

2008 DEC

1208

IDC 27 09:45:35.2,0.8,17.59N:145.93E,h0km,mb3.7/9, mb1.4/0.10,mb1mx3.8/2.4,mbtmp3.8/10,ML3.8/1,MS2.9/1, Ms1.2/9.1,ms1mx2.7/26,Error ellipse: s-maj=28.5km, s-min=17.1km az=104.0

ISCJB 27 09:45:37.6,6.6,17.57N:145.93E:0.2,h15km,41km, mb3.7/10,Error ellipse: s-maj=31.5km s-min=13.3km az=7.4

NEIC 27 09:45:40.4,0.6,17.53N:145.91E,h35km,mb3.7/1,Error ellipse: s-maj=24.1km s-min=11.8km az=99.0

ISC 27 09:45:37.6,6.6,17.57N:145.93E:0.2,h15km,41km, n22,c091/23,mb3.7/10,Mariana Islands

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like GUMU Guam, WARR Warrungarra Arr, KSRRS Korea Array, WRAB Tennant Creek, WRA Warrungarra Arr, WSRA Warrungarra Arr, ASAR Alice Springs, ASAR Alice Springs, CMAR Chiang Mai Arr, ZALV Zalesovo Beam, ZALV Zalesovo Beam, KURK Kurchatov, ILAR Eielson Array, ILAR Eielson Array, BVAR Borovoye Array, YKA Yellowknife Arr, YKA Yellowknife Arr, NVAR Mina Array Bea, NVAR Mina Array Bea.

ISCJB 27 09:47:22.0,8.5,38.09N:0.03:30.14E:0.04,h7km,6km, Error ellipse: s-maj=5.8km s-min=4.2km az=9.3

ISC 27 09:47:22.5,38.05N:30.12E,h8km,MD2.8 DDA 27 09:47:23.9,38.14N:30.13E,h7km,6km,MD2.9 CSEM 27 09:47:23.0,0.2,38.09N:30.13E,h8km,MD2.9,Error ellipse: s-maj=5.8km s-min=4.8km az=89.0

ISC 27 09:47:23.6,5.8,38.09N:0.03:30.15E:0.04,h11km,5km, n29,c111/41,Turkey

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like SHUT Suhut-Afyon, SHUT Suhut-Afyon, KHAL Karahalli, KHAL Karahalli, BCK Bucak, BCK Bucak, BOLV Bolvadin, BOLV Bolvadin, BOLV Bolvadin, SUTC Sutluce-Ispart, SUTC Sutluce-Ispart, GOLH Golhisar, GOLH Golhisar, KORD Korkuelli, KORD Korkuelli, GDZ Gediz, GDZ Gediz, KULA Kula-Manisa, KULA Kula-Manisa, ESKT Eskisehir, SEVT Eskipyehyr, KIZIL Kizilcal, KIZIL Kizilcal, TURN Turunc, SVRH Sivrihisar-ESK, SVRH Sivrihisar-ESK, HDMB Hadim, HDMB Hadim, BODT Bodrum, BODT Bodrum.

NEIC 27 09:52:11.2,16.45N:98.97W,h16km,MD3.4(MEX),After MEX.

MEX 27 09:52:11.0,0.4,16.42N:98.98W,h16km,8km,MD3.6, Near coast of Guerrero

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like PNIG Pinotepa, PNIG Pinotepa, ACX Acapulco, ACX Acapulco, CAIG El Cayaco, CAIG El Cayaco, MEIG Mezcala, MEIG Mezcala.

CSEM 27 09:52:19.1,0.1,40.12N:23.99E,h9km,ML2.7/12,Error ellipse: s-maj=2.7km s-min=2.0km az=99.0

ATH 27 09:52:19.7,40.15N:23.89E,h27km,1km,MD3.2/9

THE 27 09:52:23.5,1.2,40.39N:23.74E,h0km

THE 27 09:52:19.6,40.14N:23.98E,h9km,ML2.7/12,Error ellipse: s-maj=0.9km s-min=0.5km az=61.0,Greece

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like OUR Ouranopolis, OUR Ouranopolis, PAIG Palouri, PAIG Palouri, PLG Polygyros, PLG Polygyros, HORT Hortiatis, HORT Hortiatis, SOH Sokhos, SOH Sokhos.

Table with columns: SOH Sokhos, SOH Sokhos, SOH Sokhos, SOH Sokhos, KAVA Kavala, KAVA Kavala, LIA Limnos Island, LIA Limnos Island, AOS Alonnissos, AOS Alonnissos, XOR Xorichti, XOR Xorichti, NEO Neokhori, NEO Neokhori, NEO Neokhori, NEO Neokhori, SRS Serrai, SRS Serrai, SRS Serrai, SKIA Skiathos, SKIA Skiathos, LIT Litokhoron, LIT Litokhoron, LIT Litokhoron, LIT Litokhoron, NVR Nevrokopi, NVR Nevrokopi, NVR Nevrokopi, KNT Kendrikon, KNT Kendrikon, KNT Kendrikon, GRG Griva, GRG Griva, GRG Griva, MRKA Markates, MRKA Markates, RDO Rodhopi, RDO Rodhopi, RDO Rodhopi, RDO Rodhopi, VAV Valandovo, VAV Valandovo, VAV Valandovo, THL Klokotos Trika, THL Klokotos Trika, THL Klokotos Trika, THL Klokotos Trika, ATAL Atalanti, ATAL Atalanti, LKR Lokris, LKR Lokris, LKR Lokris, AGG Agios Georgios, AGG Agios Georgios, AGG Agios Georgios, ERET Erertria, ERET Erertria, ALN Alexandroupoli, ALN Alexandroupoli, ALN Alexandroupoli, MAKR Makrakomi, Fth, MAKR Makrakomi, Fth, PLD Plovdiv, PLD Plovdiv, VTS Vitoshka, VTS Vitoshka, BARS Barje, BARS Barje, ZALP Zaporje, ZALP Zaporje, GRUS Gruza, GRUS Gruza, DIVS Divibare, DIVS Divibare.

ISCJB 27 09:58:19.0,0.7,0.16S:0.05:125.59E:0.05,h68km,7km, mb4.0/11,Error ellipse: s-maj=8.3km s-min=7.8km az=135.4

DJA 27 09:58:20.0,0.14N:125.67E,h34km,MLV4.3/9

NEIC 27 09:58:20.7,2.9,0.15S:125.56E,h67km,28km,mb4.1/1, Error ellipse: s-maj=28.7km s-min=9.1km az=60.0

IDC 27 09:58:21.2,4.5,0.14S:125.48E,h69km,44km,mb3.8/10, mb1.3/9/12,mb1mx3.8/21,mbtmp3.8/12,ML3.6/2,MS3.9/1, Ms1.3/9.1,ms1mx2.9/24,Error ellipse: s-maj=31.4km s-min=14.8km az=63.0

ISC 27 09:58:20.0,0.7,0.13S:0.05:125.63E:0.05,h59km,7km, n40,c094/42,mb4.0/11,Sohom Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like MNI Manado, MNI Manado, KMSI Cibinong, KMSI Cibinong, LBMI Labuha, LBMI Labuha, GMTI Gorontalo, GMTI Gorontalo, LUIW Luwuk, LUIW Luwuk, NLAI Namlea, NLAI Namlea, TTSI Tana Toraja, TTSI Tana Toraja, SPSI Sidrap Palu, SPSI Sidrap Palu, KAPI Kappang, KAPI Kappang, KAPI Kappang, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, WRAB Tennant Creek, WRAB Tennant Creek, WRA Warrungarra Arr, WRA Warrungarra Arr, WSRA Warrungarra Arr, WSRA Warrungarra Arr, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, SONM Songoing Array, SONM Songoing Array, SONM Songoing Array, SONM Songoing Array, MKAR Makanchi Array, MKAR Makanchi Array, ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam.

Table with columns: KURK Kurchatov, KURK Kurchatov, ABKAR Akbulak array, AKTO Aktyubinsk, AKTO Aktyubinsk, ILAR Eielson Array, ILAR Eielson Array, TORL Tord Ar. Bea, TORL Tord Ar. Bea, TORL Tord Ar. Bea, TORL Tord Ar. Bea.

IDC 27 10:28:24.2,1.7,77.5N:125.57E,h0km,mb3.6/4, mb1.3/8.4,mb1mx3.5/19,mbtmp3.6/4,Error ellipse: s-maj=103.1km s-min=22.2km az=58.0,Mindanao

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, WRA Alice Springs, WRA Alice Springs, MKAR Makanchi Array, MKAR Makanchi Array.

ISK 27 11:07:20.8,41.07N:34.55E,h5km,MD2.9

ISCJB 27 11:07:21.0,41.04N:0.02:34.54E:0.03,h10km,Error ellipse: s-maj=3.4km s-min=3.4km az=11.5

DDA 27 11:07:21.5,41.07N:34.52E,h3km,5km,MD3.0 CSEM 27 11:07:22.1,0.2,41.06N:34.56E,h2km,MD2.9,Error ellipse: s-maj=3.9km s-min=3.7km az=108.0

ISC 27 11:07:22.1,0.4,41.06N:0.02:34.53E:0.03,h10km,n30, c109/47,Turkey

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like TOS Tosya, TOS Tosya, TOS Tosya, BYBT Boyabat, BYBT Boyabat, BYBT Boyabat, CTCK Corum, CTCK Corum, CTCK Corum, DIKM Dikmen, DIKM Dikmen, DIKM Dikmen, CORM Corum, CORM Corum, HAVZ Havza, HAVZ Havza, HAVZ Havza, BZK Bozkurt, BZK Bozkurt, BALD Daday, BALD Daday, ELDT Eldivan, ELDT Eldivan, ELDT Eldivan, KAVK Kavak, KAVK Kavak, CDAG Cicekdag, CDAG Cicekdag, CDAG Cicekdag, YOZ Yozgat, YOZ Yozgat, ERBA Erbaa, ERBA Erbaa, ERBA Erbaa, KAMT Kaman, KAMT Kaman, AVNT Avonos, AVNT Avonos, AVNT Avonos.

ISCJB 27 11:09:44.1,1.1,19.24N:0.04:145.4E:0.1,h197km,10km, mb4.0/20,Error ellipse: s-maj=22.5km s-min=6.6km az=173.3

IDC 27 11:09:44.8,1.6,19.25N:145.46E,h188km,15km, mb3.8/16,mb1.4/0.18,mb1mx3.8/27,mbtmp3.8/18,MS3.0/1, Ms1.3/0.1,ms1mx2.5/29,Error ellipse: s-maj=18.2km s-min=8.0km az=83.0

NEIC 27 11:09:45.0,0.9,19.21N:145.46E,h190km,8km,mb4.4/4, Error ellipse: s-maj=14.4km s-min=5.1km az=88.0

ISC 27 11:09:45.6,1.1,19.22N:0.05:145.5E:0.1,h196km,10km, n47,c0972/54,mb4.0/20,Mariana Islands

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like GUMO Guam, GUMO Guam, GUMO Guam, GUMO Guam, CBJ Chichi jima, CBJ Chichi jima, CBJ Chichi jima, JOW Kunigami, JOW Kunigami, MJAR Matsushiro Arr, MJAR Matsushiro Arr, MJAR Matsushiro Arr, MAJO Matsushiro, MAJO Matsushiro, MAT Matsushiro, MAT Matsushiro, KSRRS Korea Array, KSRRS Korea Array, ASAR Alice Springs, ASAR Alice Springs, ASAJ Ashikawa, ASAJ Ashikawa, ASAJ Ashikawa, ASAJ Ashikawa, PMG Port Moresby, PMG Port Moresby, WRAB Tennant Creek, WRAB Tennant Creek, WRA Warrungarra Arr, WRA Warrungarra Arr, WSRA Warrungarra Arr, WSRA Warrungarra Arr, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, SONM Songoing Array, SONM Songoing Array, SONM Songoing Array, SONM Songoing Array, MKAR Makanchi Array, MKAR Makanchi Array, ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam.





27d 12h

Table with columns: PRMA, PARM, 0.96 298 Pg, Pb, 12 40 48.3 +2.0, etc. Lists various astronomical objects and their properties.

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Table with columns: MBDF, Montbardon, 3.41 279 ePn, Pn, 12 41 21.9 +1.8, etc. Lists astronomical objects with specific identifiers and coordinates.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists astronomical objects with station names and observation details.

ISC 27 12:40:36.61, 10.76, 10.08:86.48W, 0.08, h49km, 12km, n35, e19141, mb3.7/5, 1C, Off coast of Costa Rica

ISC 27 12:56:04.0, 0.6, 37:50N, 0.08:94.73E, 0.06, h7km, 3km, ML2.1, 3C, 6D, Error ellipse: s-maj=4.0km s-min=4.0km az=17.0, Germany

ISC 27 12:55:47.9, 1.5, 20:56N, 145:93E, h0km, mb3.6/5, ms1 3.8/5, mb1mx3.5/24, mbtmp3.6/5, MS2.6/1, Ms1 2.6/1, ms1mx2.2/32, Error ellipse: s-maj=50.7km s-min=27.8km az=83.0, Mariana Islands

ISC 27 12:56:04.0, 1.0, 8:37:49N, 94:96E, h0km, mb4.0/13, Error ellipse: s-maj=12.8km s-min=7.8km az=204.0

MOS 27 12:56:06.8, 1.3, 37:51N, 94:84E, h33km, mb4.4/5, Error ellipse: s-maj=15.4km s-min=8.3km az=117.2

NNC 27 12:56:14.3, 0.8, 38:37N, 94:04E, h0km, mb3.9, Error ellipse: s-maj=23.7km s-min=7.1km az=50.0













27d 14h

SSE	Sheshan	57.05 279	P	P	15 00 15.5 +1.5
SSE			pP	pP	15 00 25.0 +0.3
SSE			sP	sP	15 00 29.3 +0.4
SSE			S	S	15 08 10.0 +3.9
SSE			pmax	pmax	
SSE	comp=Z,50nm,0.8s,mb5.6				
SSE	comp=Z,150nm,4.6s				
SSE			LR	LR	
SSE	comp=N,300nm,16.9s,MS4.6				
SSE			LR	LR	
SSE	comp=E,240nm,16.9s,MS4.6				
SSE			LR	LR	
SSE	comp=Z,350nm,19.6s,MS4.5				
TRO	Tromso	57.60 359	eP	P	15 00 14.3 +0.8
TRO			eP	P	15 00 19.2
BLA	Blacksburg	57.36 70	eP	P	15 00 15.1 -0.9
BLA	Blacksburg	57.36 70	eP	P	15 00 15.1 -1.0
BLA			eP	pmax	
NJ2	Nanjing	57.73 281	eP	P	15 00 18.3 -0.4
NJ2			pP	pP	15 00 27.0 -2.5
NJ2			sP	sP	15 00 31.0 -2.6
NJ2			PP	PP	15 02 26.0 -0.7
NJ2			S	S	15 08 14.0 -0.9
NJ2			S	pmax	
NJ2	comp=Z,60nm,1.1s,mb5.5				
NJ2			pmax	pmax	
NJ2	comp=Z,140nm,7.9s				
NJ2			LR	LR	
NJ2	comp=N,520nm,15.8s,MS4.9				
NJ2			LR	LR	
NJ2	comp=E,510nm,16.8s,MS4.9				
NJ2			LR	LR	
LVZ	Lovozero	58.05 352	eP	P	15 00 20.4 -0.1
LVZ	Lovozero	58.05 352	eP	P	15 00 20.4 0.0
GOGA	Godfrey	58.34 76	eP	P	15 00 21.2 -1.8
GOGA	Godfrey	58.34 76	eP	P	15 00 21.2 -1.8
GOGA			eP	pmax	
GOGA	comp=Z,90nm,2.3s,mb5.4				
APA	Apatity	58.47 352	eP	P	15 00 23.3 -0.1
APA			eP	MLR	
NVS	Novosibirsk	58.67 321	iP	P	15 00 23.9 -1.1
NVS			e	P	15 01 12.8
NVS			eS	ScS	15 08 16.9 -1.0
NVS			eSS	ScS	15 10 04.3 -7.2
NVS			pmax	pmax	
NVS	comp=Z,24nm,1.1s,mb5.1				
NVS	comp=N,15nm,1.6s				
NVS			pmax	pmax	
NVS	comp=E,18nm,1.2s				
NVS			pmax	pmax	
NVS	comp=Z,49nm,2.9s,mb5.0				
NVS			pmax	pmax	
NVS	comp=N,40nm,3.0s				
NVS			pmax	pmax	
NVS	comp=E,61nm,3.9s				
NVS			smax	smax	
NVS	comp=N,44nm,4.0s				
NVS			smax	smax	
ZAAO	Zalesovo Array	58.76 320	eP	P	15 00 24.9 -0.7
ZALV	Zalesovo Beam	58.76 320	P	P	15 00 24.5 -1.1
ZALV			eP	P	15 01 15.4 +0.4
ZALV			P	LR	15 28 30.7
ZALV	comp=E,14nm,0.8s,baz=44,slow=4.8,SNR=7.7				
ZALV	comp=E,11m,18.2s,MS5.0,baz=253,slow=39				
ZALV	Zalesovo Beam	58.76 320	P	P	15 00 24.5 -1.1
ZALV			P	P	15 00 24.5 -1.1
ZALV			P	P	15 01 15.4
ZALV			P	P	15 00 43.8 -0.6
WHN	Wuhan	61.45 283	P	P	15 00 47.5 -0.4
XAN	Xi'an	61.97 290	P	P	15 01 07.8 -0.9
XAN			sP	sP	15 01 01.5 -1.3
XAN			PP	PP	15 03 05.0 +0.9
XAN			S	S	15 09 04.5 -5.0
XAN			sS	sS	15 09 21.3 -6.0
XAN			SS	SS	15 13 06.8 -4.8
XAN			pmax	pmax	
XAN	comp=Z,5.0nm,1.0s,mb4.6				
XAN			pmax	pmax	
XAN	comp=Z,40nm,5.4s				
XAN			LR	LR	
XAN	comp=N,540nm,14.4s,MS4.9				
XAN			LR	LR	
XAN	comp=E,270nm,16.4s,MS4.9				
XAN			LR	LR	
XAN	comp=Z,270nm,18.4s,MS4.4				
SOKR	Solikamsk	62.58 338	iP	P	15 00 50.4 -1.2
SOKR			iP	pmax	
SOKR	comp=Z,120nm,1.1s,mb5.9				
SOKR			MLR	MLR	
SSLB	Suanglung	62.61 273	eP	P	15 00 50.9 -1.4
GTA	Gaotai	62.91 300	iP	P	15 00 53.3 -0.7
GTA			sP	sP	15 01 03.5 -1.3
GTA			sP	sP	15 01 07.3 -1.7
GTA			S	S	15 09 18.0 -3.1
GTA			sS	sS	15 09 33.8 -5.1
GTA			SS	SS	15 13 24.0 -1.9
GTA			pmax	pmax	
GTA	comp=Z,48nm,0.9s,mb5.6				
GTA			pmax	pmax	
GTA	comp=Z,140nm,4.3s				
GTA			LR	LR	
GTA	comp=N,11m,16.2s,MS5.3				
GTA			LR	LR	
GTA	comp=E,11m,17.1s,MS5.3				
GTA			LR	LR	
JOF	Joensuu	63.22 352	eP	P	15 00 54.5 -1.3
JOF			eP	pmax	
JOF	comp=Z,26nm,0.6s,mb5.5				
JOF	Joensuu	63.22 352	eP	P	15 00 54.5 -1.3
LZH	Lanzhou	63.25 295	iP	P	15 00 56.5 +0.1
LZH			pP	pP	15 01 07.5 +0.3
LZH			eS	S	15 09 28.0 +2.5
LZH			pmax	pmax	
LZH	comp=Z,34nm,1.0s,mb5.4				
LZH			pmax	pmax	
LZH	comp=Z,200nm,9.7s				
LZH			LR	LR	
LZH	comp=N,21m,18.5s,MS5.4				
LZH			LR	LR	
LZH	comp=E,11m,15.6s,MS5.4				
LZH			LR	LR	
KURK	Kurchatov	63.66 321	LR	LR	15 31 40.6
KURK	Kurchatov	63.66 321	eP	P	15 00 58.3 -0.5
KURK	Kurchatov	63.66 321	iP	P	15 00 58.2 -0.6
KURK			iP	pmax	
KURK	comp=Z,71nm,1.0s,mb5.7				
KURK	Kurchatov	63.66 321	P	P	15 00 58.8 0.0
KURK			P	P	15 00 58.8 0.0
SVE	Sverdlovsk	64.13 335	iP	P	15 01 02.1 +0.3
SVE			e	pmax	15 03 25.4
SVE			pmax	pmax	
SVE	comp=Z,104nm,1.0s,mb5.8				
SVE			MLR	MLR	
KAF	Kangasniemi	64.36 355	eP	P	15 01 01.6 -1.6
KAF			eP	pmax	
KAF	comp=Z,48nm,0.7s,mb5.6				
KAF	Kangasniemi	64.36 355	eP	P	15 01 01.6 -1.6
KAF			eP	pmax	
KAF	comp=Z,48nm,0.7s,mb5.6				
KLMR	Klimovskoe	64.40 348	eP	P	15 01 01.9 -1.6
KLMR			eP	pmax	
ENH	Enshi	64.45 287	eP	P	15 01 03.9 -0.4
ENH			eP	P	15 01 04.7 -0.3
BVAO	Borovoye Array	64.61 327	iP	P	15 01 04.7 -0.3

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BVAO	comp=Z,15nm,0.9s,mb5.0		pmax	pmax	
BVAR	Borovoye Array	64.61 327	LR	LR	15 33 26.2
BRVK	Borovoye	64.62 327	eP	P	15 01 05.2 +0.1
BRVK	Borovoye	64.62 327	iP	P	15 01 04.7 -0.4
BRVK			iP	pmax	
BRVK	comp=Z,83nm,1.0s,mb5.7				
BRVK	Borovoye	64.62 327	P	P	15 01 05.2 +0.1
BRVK			P	P	15 01 05.8 +0.7
BRVK	Borovoye	64.62 327	P	P	15 01 05.8 +0.7
BRVK			P	P	15 01 06.0 -0.1
BRVK	Borovoye	64.62 327	eP	P	15 01 06.8 -0.7
BRVK			eP	P	15 01 07.2 -0.3
BRVK			e	P	15 01 37.2
BRVK			eS	S	15 09 48.3 +1.8
BRVK			SS	SS	15 13 58.6 +1.0
BRVK			pmax	pmax	
BRVK	comp=Z,93nm,1.0s,mb5.8				
ARU	Arti	65.00 336	iP	P	15 01 07.5 0.0
ARU			eP	P	15 01 06.6 -1.1
FINES	FINES Array B	65.04 355	P	P	15 01 06.6 -1.1
FINES			P	P	15 01 06.6 -1.1
FINES	comp=Z,52nm,0.8s,mb5.6,baz=17,slow=8.0,SNR=66				15 32 04.3
FINES			LR	LR	
FINES	comp=Z,710nm,18.5s,MS4.9,baz=200,slow=38				
FINES	FINES Array B	65.04 355	P	P	15 01 06.6 -1.1
FINES	FINES Array B	65.04 355	P	P	15 01 06.6 -1.1
FINES	Zerenda	65.12 328	iP	P	15 01 07.9 -0.4
ZRNK			pmax	pmax	
ZRNK	comp=Z,97nm,0.7s,mb5.9				
TAOE	Nuku Hiva Isla	65.35 154	eS	S	15 09 56.4 +4.8
TAOE			eLR	LR	15 20 37.8
TAOE	comp=Z,640nm,28.7s				
MK31	Makanchi Array	65.37 316	eP	P	15 01 09.2 -0.8
MK31	Makanchi Array	65.37 316	iP	P	15 01 09.1 -1.0
MK31			pmax	pmax	
MKAR	comp=Z,9.0nm,0.5s,mb5.1				
MKAR	Makanchi Array	65.37 316	P	P	15 01 08.7 -1.3
MKAR			P	P	15 31 02.4
MKAR	comp=Z,21nm,0.9s,mb5.2,baz=50,slow=6.5,SNR=94				
MKAR			LR	LR	
MKAR	comp=Z,793nm,19.7s,MS4.9,baz=7.9,slow=37				
MKAR	Makanchi Array	65.37 316	eP	P	15 01 08.7 -1.3
MKAR	Makanchi Array	65.37 316	eP	P	15 01 09.3 -0.8
MKAR			pmax	pmax	
UMQJ	Urumqi	65.40 311	P	P	15 01 10.5 +0.2
WMQ			pP	pP	15 01 20.8 -0.3
WMQ			sP	sP	15 01 24.9 0.5
WMQ			PP	PP	15 03 36.5 +2.6
WMQ			S	S	15 09 51.0 -0.8
WMQ			pmax	pmax	
WMQ	comp=Z,32nm,0.8s,mb5.4				
WMQ			pmax	pmax	
WMQ	comp=Z,380nm,5.0s				
WMQ			LR	LR	
WMQ	comp=N,11m,20.8s,MS5.1				
WMQ			LR	LR	
WMQ	comp=E,540nm,20.8s,MS5.1				
WMQ			LR	LR	
NOA	NORSAR Array B	65.63 3	P	P	15 01 10.7 -0.8
NOA	NORSAR Array B	65.63 3	P	P	15 01 10.7 -0.8
NOA			P	P	15 01 12.7 +0.4
NOA	comp=Z,35nm,0.9s,mb5.4,baz=357,slow=6.5,SNR=85				15 31 11.2
NOA			LR	LR	
NOA	comp=Z,317nm,19.6s,MS4.9,baz=10.0,slow=37				
NOA	NORSAR Array B	65.63 3	P	P	15 01 10.7 -0.8
NOA	NORSAR Array B	65.63 3	P	P	15 01 10.7 -0.8
NOA	Lerwick	65.75 9	eP	P	15 01 14.2
NOA			eP	AMB	











Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like JIH Iheya, JIJ Ishigaki jima, JKRS Kuro-shima, etc.

IS/CJ/B 27 17:45:54.1+1.2, 11.3S:0.3:111.4E:0.3, h33km, mb3.8/9, Error ellipse: s-maj=57.9km s-min=10.6km az=138.7...

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like MBWA Marble Bar, MBWA Fitzroy Crossi, FITZ Fitzroy Crossi, etc.

MAN 27 17:16:48.725N:123.56E, h21km, mb4.0, ML2.8, MS2.5, 1C-1D, Mindanao

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PAGZ Pagadian, PAGZ Cotabato-PC H, CTBH Cotabato-PC H, etc.

IDC 27 17:21:39.0-49.0, 15.00S:172.22W, h0km, mb3.8/3, mb1 4.0/3, mb1mx3.6/20, mbtm3.8/3, Error ellipse: s-maj=96.4, s-min=177.6km az=78.0, Samoa Islands region

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

FUNV 27 17:29:19.3, 5.43N:72.87W, h65km, MW3.8, IS/CJ/B 27 17:29:23.0-0.8, 5.70N:0.07:72.36W:0.07, h82km, 16km, Error ellipse: s-maj=15.4km s-min=7.5km az=137.9...

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ROSC El Rosal, ROSC Capacho, CAPV Capacho, etc.

IS/CJ/B 27 17:29:24.0-0.8, 5.75N:0.07:72.42W:0.07, h67km, 16km, n19, c1506/22, Colombia

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ROSC El Rosal, ROSC Capacho, CAPV Capacho, etc.

ASAR Alice Springs 149.03 232 PKPbc PKPbc 17 49 07.5 +1.5, WRA Warramunga Arr 150.41 239 PKPbc PKPbc 17 49 09.4 0.0

PLV 27 17:30:37.5-1.9, 23.42N:100.88E, h14km, 16km, MD3.2, IDC 27 17:30:31.7-1.0, 24.02N:101.09E, h0km, mb3.5/6, mb1 3.6/7, mb1mx3.5/23, mbtm3.5/7, ML3.5/1, Error ellipse: s-maj=35.4km s-min=15.9km az=78.0...

NEIC 27 17:33:32.0-0.9, 23.98N:101.14E, h10km, mb3.9/1, Error ellipse: s-maj=15.9km s-min=9.3km az=96.0, BUJ 27 17:33:36.5, 24.32N:101.17E, h15km, mb4.2/1, mb4.1/3, ML3.9/10, Ms3.8/2, Ms7.3/4.2

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KMI Kunming, KMI KMI, KMI comp=N,980nm,1.0s, etc.

IS/CJ/B 27 17:45:54.1+1.2, 11.3S:0.3:111.4E:0.3, h33km, mb3.8/9, Error ellipse: s-maj=57.9km s-min=10.6km az=138.7...

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like MBWA Marble Bar, MBWA Fitzroy Crossi, FITZ Fitzroy Crossi, etc.

MAN 27 17:16:48.725N:123.56E, h21km, mb4.0, ML2.8, MS2.5, 1C-1D, Mindanao

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PAGZ Pagadian, PAGZ Cotabato-PC H, CTBH Cotabato-PC H, etc.

IDC 27 17:21:39.0-49.0, 15.00S:172.22W, h0km, mb3.8/3, mb1 4.0/3, mb1mx3.6/20, mbtm3.8/3, Error ellipse: s-maj=96.4, s-min=177.6km az=78.0, Samoa Islands region

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

FUNV 27 17:29:19.3, 5.43N:72.87W, h65km, MW3.8, IS/CJ/B 27 17:29:23.0-0.8, 5.70N:0.07:72.36W:0.07, h82km, 16km, Error ellipse: s-maj=15.4km s-min=7.5km az=137.9...

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ROSC El Rosal, ROSC Capacho, CAPV Capacho, etc.

IS/CJ/B 27 17:29:24.0-0.8, 5.75N:0.07:72.42W:0.07, h67km, 16km, n19, c1506/22, Colombia

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ROSC El Rosal, ROSC Capacho, CAPV Capacho, etc.

ASAR Alice Springs 44.35 267 P P 17 56 51.0 +0.3, WRA Warramunga Arr 45.38 279 P P 17 56 58.5 -0.3, FINES FINESS Array B 145.91 341 PKPbc PKPbc 18 08 18.3 -0.8

IS/CJ/B 27 17:53:26.2-0.6, 37.89N:0.03:29.21E:0.07, h2km, 10km, Error ellipse: s-maj=8.8km s-min=5.1km az=8=89, ISK 27 17:53:26.4, 37.89N:29.12E, h13km, MD2.7, CSEM 27 17:53:26.4-0.1, 37.89N:29.21E, h5km, MD2.7, Error ellipse: s-maj=4.6km s-min=2.9km az=97.0...

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like DENT Denizli, DENT Denizli, DNZL Cakirokul, etc.

ISK 27 17:57:46.8, 37.51N:19.27E, h4km, MD3.2, IS/CJ/B 27 17:57:48.2-0.3, 37.53N:0.02:27.25E:0.03, h10km, Error ellipse: s-maj=4.4km s-min=2.7km az=145.7...

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like GCAM G?zelcaml?, GCAM G?zelcaml?, GCAM G?zelcaml?, etc.

ISK 27 17:57:48.0, 0.2, 37.50N:27.22E, h2km, MD3.0, Error ellipse: s-maj=4.3km s-min=3.3km az=52.0, ISK 27 17:57:48.8-0.3, 37.52N:0.02:27.24E:0.04, h10km, n48, c1507/65, 1D, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like GCAM G?zelcaml?, GCAM G?zelcaml?, GCAM G?zelcaml?, etc.

27d 18h

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

IDC 27 18:05:53.8-10.0, 18:19S:178.28W, h452km, 104km, mb3.3/5, mb1 3.5/5, mb1mx3.2/15, mbmtpp3.3/5, Error ellipse: s-maj=112.3km s-min=47.3km az=136.0

NEIC 27 18:05:57.8-2.1, 18:25S:178.43W, h500km, mb3.0/1, Error ellipse: s-maj=101.0km s-min=18.2km az=144.0, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CTA Charters Tower, STKA Stephens Creek, WRAB Warramunga Arr, etc.

ISCJB 27 18:07:49.7-0.4, 51:51N:0:02.16E, h0km, Error ellipse: s-maj=3.5km s-min=1.9km az=16.4

CSEM 27 18:07:51.0-2.0, 51:55N:16.19E, h2km, ML3.8/5, Error ellipse: s-maj=3.6km s-min=2.6km az=16.0

NEIC 27 18:07:51.3-0.5, 51:60N:16.19E, h5km, ML3.1 (SZGRF), Error ellipse: s-maj=7.8km s-min=6.9km az=100.0

IDC 27 18:07:52.4-0.7, 51:51N:16.05E, h0km, mb3.2/1, mb1 3.4/7, mb1mx3.3/24, mbmtpp3.2/7, ML3.0/6, Error ellipse: s-maj=13.1km s-min=6.7km az=103.0

WAR 27 18:07:52.7, 51:53N:16.17E, ML2.9, Mining Induced PRU 27 18:07:52.3, 51:53N:16.17E, h0km, Felt In Harzochov

BGR 27 18:07:53.0-0.5, 51:49N:16.14E, h1km, ML3.1/15, Error ellipse: s-maj=7.8km s-min=3.4km az=11.0

ISC 27 18:07:51.0-0.3, 51:55N:0:02.16E, h0km, n112, c093/175, 9C-2D, Poland

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KSP Ksiaz, PVCC Panska Ves, BRG Berggiesshubel, etc.

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Table with columns: TANN Tannenbergstha, JANN Ojcow, OJC Ojcow, etc.

ISCJB 27 18:30:51.0-0.9, 37:88N:0:04-29:23E, h10km, Error ellipse: s-maj=9.7km s-min=5.5km az=22.0

ISK 27 18:30:50.5, 37:89N:29:24E, h5km, MD2.7

CSEM 27 18:30:50.3-0.2, 37:85N:29:31E, h2km, MD2.7, Error ellipse: s-maj=6.4km s-min=3.9km az=138.0

DDA 27 18:30:51.2, 37:88N:29:18E, h7km, 1km, MD2.9

ISC 27 18:30:51.1-1.0, 37:87N:0:05-29:26E, h10km, n10, c046/16, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TANN Tannenbergstha, JANN Ojcow, OJC Ojcow, etc.

ISCJB 27 18:30:51.0-0.9, 37:88N:0:04-29:23E, h10km, Error ellipse: s-maj=9.7km s-min=5.5km az=22.0

ISK 27 18:30:50.5, 37:89N:29:24E, h5km, MD2.7

CSEM 27 18:30:50.3-0.2, 37:85N:29:31E, h2km, MD2.7, Error ellipse: s-maj=6.4km s-min=3.9km az=138.0

DDA 27 18:30:51.2, 37:88N:29:18E, h7km, 1km, MD2.9

ISC 27 18:30:51.1-1.0, 37:87N:0:05-29:26E, h10km, n10, c046/16, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DENI Denizli, DNZL Cakroluk, KULA Kula-Manisa, etc.

IDC 27 18:39:53.1-4.9, 30:31N:67:42E, h0km, mb3.2/5, mb1 3.4/5, mb1mx3.2/27, mbmtpp3.3/5, Error ellipse: s-maj=131.3km s-min=68.4km az=129.0

NEIC 27 18:39:54.1-2.5, 30:23N:67:79E, h10km, mb3.5/2, Error ellipse: s-maj=63.2km s-min=32.4km az=119.0

ISC 27 18:39:52.5-1.1, 30:21N:0:2-67:5E, h10km, n19, c1507/20, mb3.3/5, Pakistan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KBL Kabul, KBL Erkin-Say, etc.

1222

Table with columns: AAK Ala-Archa, TKM2 Tokmak 2, MKK1 Makanchi Array, etc.

IDC 27 18:47:52.4-1.5, 7:45S:127:75E, h0km, mb3.7/4, mb1 3.9/7, mb1mx3.7/16, mbmtpp3.7/7, ML3.8/3, Error ellipse: s-maj=77.0km s-min=23.5km az=70.0

ISCJB 27 18:47:56.4-0.6, 7:76S:0:05-127:35E, h0.833km, mb3.6/5, Error ellipse: s-maj=11.4km s-min=6.7km az=166.4

NEIC 27 18:47:57.9-0.7, 7:62S:127:60E, h35km, mb3.4/1, Error ellipse: s-maj=24.0km s-min=8.5km az=63.0

ISC 27 18:47:58.3-0.6, 7:72S:0:05-127:37E, h0.08, h35km, n21, c1936/30, mb3.6/5, Banda Sea

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

IDC 27 18:49:50.7-1.6, 58:79S:25:16W, h0km, mb4.2/1, mb1 4.2/1, mb1mx3.7/12, mbmtpp4.2/1, Error ellipse: s-maj=91.6km s-min=60.8km az=144.0

NEIC 27 18:49:58.4-0.7, 58:81S:24:58W, h5km, mb3.9/3, Error ellipse: s-maj=44.6km s-min=17.4km az=75.0

ISC 27 18:49:53.0-1.8, 58:85S:0:1-24:5W, h0.918, n16, c0511/8, mb4.1/3, South Sandwich Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VNA3 Neumayer Olymp, VNA2 Neumayer Watz, SNA4 Sanae, etc.

NIED 27 18:51:00.46, 70N:153:20E, h20km, Mw4.3 Best double couple: M2=286000x10^15 NP1=181200000, 890.000000, lambda=42.000000, NP2=217.000000, 648.000000, lambda=179.000000

IDC 27 18:51:05.8-0.6, 46:94N:152:85E, h0km, mb4.3/22, mb1 4.5/24, mb1mx4.4/30, mbmtpp4.3/24, ML3.1/2, MS3.5/6, Ms1 3.5/6, ms1mx3.2/37, Error ellipse: s-maj=17.5km s-min=13.0km az=154.0

ISCJB 27 18:51:11.3-0.6, 46:85N:0:05-152:86E, h0.05, h53km, 5km, mb4.6/89, MS3.9/5, Error ellipse: s-maj=9.4km s-min=4.3km az=147.2

SKHL 27 18:51:11.5-2.2, 46:60N:153:21E, h57km, 19km, mb4.9/3

MOS 27 18:51:12.1-0.9, 46:88N:152:78E, h58km, mb4.7/27, Error ellipse: s-maj=8.3km s-min=5.6km az=93.1

BUI 27 18:51:13.4, 46:70N:152:76E, h68km, mb4.9/20, mb4.7/29, Ms4.7/13, Ms7.4/4/14

NEIC 27 18:51:15.8-0.8, 46:99N:152:83E, h76km, 6km, mb4.8/39, Error ellipse: s-maj=8.6km s-min=4.1km az=152.0

SZGRF 27 18:51:21.4, 48:86N:152:30E, h33km, mb4.7, Kuril Islands, Russia

ISC 27 18:51:13.2-0.6, 46:92N:0:05-152:84E, h52km, 4km, h67km, 2km, pp-P, n334, c096/347, mb4.6/89, MS3.9/5, 25C-152, Kuril Islands

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



Table of meteorological data for stations 27d 19h, including codes like UPC, DPC, DBC, etc., and various parameters such as time, position, and status.

Table of meteorological data for stations 2008 DEC, including codes like SSF, AVF, AVF, etc., and various parameters such as time, position, and status.

Table of meteorological data for stations 1224, including codes like YUK, NEM2, JRA, etc., and various parameters such as time, position, and status.



27d 19h

Table with columns for call sign, frequency, mode, and other parameters. Includes stations like JOF, HYB, CTA, etc.

2008 DEC

Table with columns for call sign, frequency, mode, and other parameters. Includes stations like OJC, STHS, STHS, etc.

1226

Table with columns for call sign, frequency, mode, and other parameters. Includes stations like TXAR, CDF, CDF, etc.





27k 20h

Table with 4 columns: Station Name, Frequency, Band, and other details. Includes stations like PTL Penteli, MRMA Marmari, EVR Evrytania, etc.

2008 DEC

Table with 4 columns: Station Name, Frequency, Band, and other details. Includes stations like AYDN Tasuluk, ROIA ROIAK, PVY Plav, etc.

1228

Table with 4 columns: Station Name, Frequency, Band, and other details. Includes stations like PKS2 Keceol, BR131 Keskin Array S, BRTR Keskin Array B, etc.



27d 20h

Table of meteorological data for the 27d 20h period, including station names, codes, and various parameters like wind speed and direction.

2008 DEC

Table of meteorological data for the 2008 DEC period, including station names, codes, and various parameters like wind speed and direction.

1230

Table of meteorological data for the 1230 period, including station names, codes, and various parameters like wind speed and direction.

Vertical text providing specific meteorological details and station information for the 1230 period.

Table of meteorological data for the 1230 period, including station names, codes, and various parameters like wind speed and direction.

ULM Lac du Bonnet 11.39 54 Pn Pn 20 29 09.3 -2.4
ULM 0.4nm,0.3s,baz=240,slow=13,SNR=4.3
ULM 20 29 56.5 +4.5

IDC 27 20:28:15.3:1.7, 1.63N:126.14E, h0km, mb3.7/4,
mb1 3.8/4, mb1mx3.6/1.6, mbtmp3.7/4, Error ellipse:
s-maj=163.6km s-min=21.7km az=66.0, Northern
Molucca Sea

Code Station Name Az AZZ Phase ID Time Res
WRA Warramunga Arr 22.90 160 P P 20 33 20.0 -0.9
ASAR Alice Springs 26.26 164 P P 20 33 53.1 +0.7

OMAN 27 20:28:50.7:99.0, 27.44N:55.43E, h98km, 999km, Error
ellipse: s-maj=2621.0km s-min=59.0km az=338.0,
IDC 27 20:28:52.3:1.7, 26.74N:55.90E, h0km, mb3.8/1.2,
mb1 3.8/1.2, mb1mx3.7/2.7, mbtmp3.8/1.2, Error ellipse:
s-maj=39.9km s-min=20.8km az=163.0,

Code Station Name Az AZZ Phase ID Time Res
BNDS Bandar-Abbas 0.72 16 Op P 20 29 07.0 -1.7
BNDS Bandar-Abbas 0.72 16 Pp P 20 29 07.9 -1.8
BNDS Bandar-Abbas 0.72 16 Pp P 20 29 07.9 -1.8

IDC 27 20:28:58.3:0.2, 26.39N:58.89E, h30km, mb3.8/5, Error
ellipse: s-maj=7.2km s-min=6.5km az=128.0,
SGS 27 20:28:58.4, 26.45N:55.97E, h17km
THR 27 20:29:02.0:0.5, 27.43N:55.94E, h14km, gkm, ML3.5
ISC 27 20:28:55.4:0.7, 26.70N:55.94E, h19km, 5km,
n128, r103/134, mb3.8/1.6, Southern Iran

Code Station Name Az AZZ Phase ID Time Res
IBND Bandar-Abbas 0.92 35 Pp P 20 29 12.3 -1.0
HATD Hatta, Dubai 1.88 175 P P 20 29 32.6 +1.1
HATD Hatta, Dubai 1.88 175 P P 20 29 32.6 +1.1

Code Station Name Az AZZ Phase ID Time Res
IBAF Bafgh 4.88 356 Pn Pn 20 30 08.5 +0.7
IBAF Bafgh 4.88 356 Pn Pn 20 30 14.7 +6.8
IBAF Bafgh 4.88 356 Pn Pn 20 30 08.5 +0.7

Code Station Name Az AZZ Phase ID Time Res
WRA Warramunga Arr 25.03 237 P P 20 36 27.8 -0.6
ASAR Alice Springs 27.25 231 P P 20 41 07.0 +0.1
CMAR Chiang Mai Arr 62.31 295 P P 20 43 18.0 +0.2

IDC 27 20:34:26.2:3.2, 31.27S:176.73W, h0km, mb3.8/2,
mb1 3.9/3, mb1mx3.8/1.5, mbtmp3.7/3, ML3.4/1, Error
ellipse: s-maj=77.0km s-min=36.9km az=120.0,
Kermadec Islands region

Code Station Name Az AZZ Phase ID Time Res
URZ Urewera 8.62 214 Op P 20 36 32.7 +0.5
URZ 0.4nm,0.3s,baz=272,slow=4.4,SNR=5.2
URZ 0.9nm,0.3s,baz=181,slow=20,SNR=8.1

ISFB Sefidab 8.27 338 Pn Pn 20 30 54.5 +0.2
ISFB Sefidab 8.27 338 Pn Pn 20 30 54.5 +0.2
ASYS ASYS 10.37 277 Pn Pn 20 31 21.4 -1.8

Code Station Name Az AZZ Phase ID Time Res
AAK Ala-Archa 21.96 39 Pn P 20 33 48.3 +0.3
AAK Ala-Archa 21.96 39 Pn P 20 33 48.3 +0.3
BR131 Keskin Array S 22.66 311 P P 20 33 54.8 -0.7

Code Station Name Az AZZ Phase ID Time Res
AKTO Aktyubinsk 23.75 3 P P 20 34 06.3 -0.2
AKTO Aktyubinsk 23.75 3 P P 20 34 06.3 -0.2
BRVK Borovoye 28.42 18 P P 20 34 48.3 -0.4

Code Station Name Az AZZ Phase ID Time Res
MKAR Makanchi Array 28.89 39 P P 20 34 54.0 +1.1
MKAR Makanchi Array 28.89 39 P P 20 34 54.0 +1.1
KURK Kurchatov 29.57 30 P P 20 34 58.0 -1.0

Code Station Name Az AZZ Phase ID Time Res
AKASG Malin Array Be 31.45 327 P P 20 35 14.4 -1.2
AKASG Malin Array Be 31.45 327 P P 20 35 14.4 -1.2
ZAAO Zalesovo Array 34.56 30 P P 20 35 42.1 -0.5

Code Station Name Az AZZ Phase ID Time Res
FINES FINESS Array B 40.12 338 P P 20 36 28.9 -0.8
FINES FINESS Array B 40.12 338 P P 20 36 28.9 -0.8
MORC Moravsky Berou 37.37 318 P P 20 36 04.0 -2.7

Code Station Name Az AZZ Phase ID Time Res
TORO Torodi Ar. Bea 52.40 266 P P 20 38 07.1 +0.2
TORO Torodi Ar. Bea 52.40 266 P P 20 38 07.1 +0.2
KSAR Kusanji Array Be 60.58 60 P P 20 39 04.8 -0.1

Code Station Name Az AZZ Phase ID Time Res
ILAR Eielson Array 87.11 10 P P 20 41 39.2 -0.5
ILAR Eielson Array 87.11 10 P P 20 41 39.2 -0.5
YKA Yellowknife Ar 90.80 356 P P 20 41 55.1 -2.0

Code Station Name Az AZZ Phase ID Time Res
WRA Warramunga Arr 25.03 237 P P 20 36 27.8 -0.6
ASAR Alice Springs 27.25 231 P P 20 41 07.0 +0.1
CMAR Chiang Mai Arr 62.31 295 P P 20 43 18.0 +0.2

Code Station Name Az AZZ Phase ID Time Res
DUWZ D'Urville Isla 0.57 127 Op P 20 47 42.0 +0.5
DUWZ D'Urville Isla 0.57 127 Pn Pn 20 47 42.0 +0.5
DUWZ D'Urville Isla 0.57 127 Pn Pn 20 47 42.0 +0.5

Code Station Name Az AZZ Phase ID Time Res
DUWZ D'Urville Isla 0.57 127 Pn Pn 20 47 42.0 +0.5
DUWZ D'Urville Isla 0.57 127 Pn Pn 20 47 42.0 +0.5
DUWZ D'Urville Isla 0.57 127 Pn Pn 20 47 42.0 +0.5

BSWZ North Egmont 1.33 27 Pn Pn 20 48 14.3 +0.6
NEZ North Egmont 1.33 27 Pn Pn 20 47 52.0 -0.4
NEZ North Egmont 1.33 27 Pn Pn 20 47 52.0 -0.4

Code Station Name Az AZZ Phase ID Time Res
BSWZ North Egmont 1.33 27 Pn Pn 20 48 14.3 +0.6
NEZ North Egmont 1.33 27 Pn Pn 20 47 52.0 -0.4
NEZ North Egmont 1.33 27 Pn Pn 20 47 52.0 -0.4

Code Station Name Az AZZ Phase ID Time Res
MRZ Mangatainoka R 1.74 97 Pn Pn 20 47 56.2 -0.1
MRZ Mangatainoka R 1.74 97 Pn Pn 20 47 56.2 -0.1
MSWZ Moikau Station 1.75 124 Pn Pn 20 47 56.3 -0.2

Code Station Name Az AZZ Phase ID Time Res
KHZ Kahurangi 1.96 175 Pn Pn 20 47 58.3 -0.5
KHZ Kahurangi 1.96 175 Pn Pn 20 47 58.3 -0.5
MTW Mount Morrison 1.80 114 Pn Pn 20 47 56.9 -0.1

Code Station Name Az AZZ Phase ID Time Res
WVWZ Wahianoa 2.09 58 Pn Pn 20 47 59.7 -0.6
WVWZ Wahianoa 2.09 58 Pn Pn 20 47 59.7 -0.6
WVWZ Wahianoa 2.09 58 Pn Pn 20 47 59.7 -0.6

Code Station Name Az AZZ Phase ID Time Res
WVWZ Wahianoa 2.09 58 Pn Pn 20 47 59.7 -0.6
WVWZ Wahianoa 2.09 58 Pn Pn 20 47 59.7 -0.6
WVWZ Wahianoa 2.09 58 Pn Pn 20 47 59.7 -0.6

Code Station Name Az AZZ Phase ID Time Res
KATZ Kakarama 2.36 52 Pn Pn 20 48 02.5 -0.8
KATZ Kakarama 2.36 52 Pn Pn 20 48 02.5 -0.8
KATZ Kakarama 2.36 52 Pn Pn 20 48 02.5 -0.8

Code Station Name Az AZZ Phase ID Time Res
KATZ Kakarama 2.36 52 Pn Pn 20 48 02.5 -0.8
KATZ Kakarama 2.36 52 Pn Pn 20 48 02.5 -0.8
KATZ Kakarama 2.36 52 Pn Pn 20 48 02.5 -0.8

Code Station Name Az AZZ Phase ID Time Res
KATZ Kakarama 2.36 52 Pn Pn 20 48 02.5 -0.8
KATZ Kakarama 2.36 52 Pn Pn 20 48 02.5 -0.8
KATZ Kakarama 2.36 52 Pn Pn 20 48 02.5 -0.8

Code Station Name Az AZZ Phase ID Time Res
KATZ Kakarama 2.36 52 Pn Pn 20 48 02.5 -0.8
KATZ Kakarama 2.36 52 Pn Pn 20 48 02.5 -0.8
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Code Station Name Az AZZ Phase ID Time Res
KATZ Kakarama 2.36 52 Pn Pn 20 48 02.5 -0.8
KATZ Kakarama 2.36 52 Pn Pn 20 48 02.5 -0.8
KATZ Kakarama 2.36 52 Pn Pn 20 48 02.5 -0.8











28D Oh

Table with columns: ALN, BR131, BRTR, etc. and rows listing various astronomical objects with their coordinates and magnitudes.

2008 DEC

Main table with columns: IPAR, IMEH, IBAF, etc. and rows listing astronomical objects with their coordinates and magnitudes.

1236

Table with columns: LON, COR, LNCOR, etc. and rows listing astronomical objects with their coordinates and magnitudes.









Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PB09, PB04, MACH, ANCH, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like GUC, CHNG, CMCH, FCH, etc.

ADC 28 04:27:10.2.0.8, 28.63N-95.78E, hOkm, mb3.9/12, mb1.4/13, mb1mx3.8/27, mbtm3.9/13, MS3.7/2, Ms1.3/7.2, ms1mx2.8/38, Error ellipse: s-maj=40.7km s-min=15.0km az=60.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like IMP, LSA, SHL, CMAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CDM, CJM, R15V, etc.

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

ADC 28 04:47:51.4.3.0, 16.53Sx175.81W, h385km, 30km, mb3.7/9, mb1.3/9.9, mb1mx3.6/17, mbtm3.7/9, Error ellipse: s-maj=24.6km s-min=13.1km az=146.0

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

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

ADC 28 04:27:11.9.1.7, 28.64N-105.96E, hOkm, 110km, n39, r106/43, mb3.9/17, MS3.6/2, Eastern Xizang-India border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like IMP, LSA, SHL, CMAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MATI, MATI, GSPH, etc.

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

ADC 28 05:00:30.4.3.3, 30.18Sx179.20W, h318km, 27km, mb3.8/3, Error ellipse: s-maj=37.0km s-min=18.1km az=52.0

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

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

ADC 28 05:00:32.6.6.1, 30.22Sx179.31W, h331km, 53km, mb3.3/4, mb1.3/4.5, mb1mx3.5/15, mbtm3.3/5, Error ellipse: s-maj=59.0km s-min=25.3km az=30.0

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





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, H, M, S, ISC. Includes stations like RAMN Ramite, KKN Kakani, PKI Pulchoki, etc.

ISCJB 28 06:26:35.0, 6.87N, 0.06E, 73.06W, 0.04, h163km, 5km, mb3.8/5, Error ellipse: s-maj=10.0km s-min=6.1km az=151.7

NEIC 28 06:26:36.2, 6.75N, 73.08W, h161km, 19km, mb3.6/4, mb1 3.8/6, mb1mx3.3/2.1, mbtrmp3.6/6, Error ellipse: s-maj=42.5km s-min=20.2km az=90.0

NEIC 28 06:26:36.4, 6.82N, 73.07W, h163km, 8km, mb3.7/1, Error ellipse: s-maj=19.5km s-min=11.8km az=139.0

FUNIV 28 06:26:36.0, 6.79N, 73.13W, h169km, MW3.8, Error ellipse: s-maj=36.0, 0.5, 6.87N, 0.06E, 73.05W, 0.04, h159km, 5km, n34, 0.91/39, mb3.8/5, 2C-8D, Northern Collocation

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, H, M, S, ISC. Includes stations like CAPV Capacho, ROSC El Rosal, etc.

ISCJB 28 06:32:34.4, 2.7, 3.56N, 94.17E, h0km, mb3.8/5, mb1 3.9/6, mb1mx3.6/2.4, mbtrmp3.8/6, MS3.2/1, Ms1 3.2/1, ms1mx2.4/2.8, Error ellipse: s-maj=114.5km s-min=21.3km az=59.0

ISCJB 28 06:32:38.6, 1.2, 3.7N, 0.2, 94.4E, 0.3, h33km, mb4.0/7, Error ellipse: s-maj=41.7km s-min=13.5km az=150.9

NEIC 28 06:32:40.9, 1.1, 3.72N, 94.43E, h35km, mb4.2, Error ellipse: s-maj=37.8km s-min=12.4km az=61.0

ISC 28 06:32:41.0, 1.2, 3.7N, 0.2, 94.4E, 0.3, h35km, n16, 0.91/15, mb4.0/7, Off west coast of northern Sumatras

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, etc.

Table with columns: ZALV, Zalesovo Beam, 50.68 353, P, P, 06 41 36.3 -0.5. Includes station names and coordinates.

MAN 28 06:53:50, 9.31N, 125.65E, h9km, mb3.9, ML2.7, MS2.4, IC, Mindanao

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

IDC 28 07:08:59.5, 1.7, 36.61N, 142.64E, h0km, mb3.8/6, mb1 3.8/8, mb1mx3.7/2.4, mbtrmp3.7/8, ML3.5/1, Error ellipse: s-maj=45.0km s-min=21.1km az=57.0

NIED 28 07:09:00, 36.60N, 142.40E, h17km, Mw3.9, Best double couple: M=7.810000, 0.10, V1=3.3110000, 0.73, 0.00000, 1.12, 0.00000, NPZ=186.00000, 0.28, 0.00000, 1.39, 0.00000

NEIC 28 07:09:01.6, 36.62N, 142.43E, h20km, MG3.7(JMA), After JMA

JMA 28 07:09:01.5, 0.2, 36.62N, 142.43E, h20km, M3.7, ISCJB 28 07:09:02.3, 1.8, 36.61N, 0.04, 142.46E, 0.07, h28km, 15km, mb3.7/6, Error ellipse: s-maj=9.3km s-min=6.5km az=17.0

ISC 28 07:09:02.9, 1.9, 36.61N, 0.04, 142.42E, 0.08, h18km, 14km, n31, 0.998/41, mb3.7/6, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, H, M, S, ISC. Includes stations like ONAJ Iwakimizuishi, JHO Hitachi, etc.

BJJ 28 07:13:07.0, 62.40N, 151.10W, h89km, mb5.3/11, mb4.9/28, Ms4.9/3, Ms7.4/5.7

ISCJB 28 07:13:08.8, 0.2, 62.36N, 0.02, 151.01W, 0.04, h98km, 2km, mb4.5/62, Error ellipse: s-maj=3.4km s-min=3.0km az=39.0

MOS 28 07:13:08.4, 0.9, 62.38N, 151.19W, h91km, mb4.8/15, Error ellipse: s-maj=13.2km s-min=6.2km az=96.7

NEIC 28 07:13:10.7, 62.35N, 151.05W, h90km, mb4.7/17, After AEIC

NEIC Fell III at Anchorage, Eagle River, Talkeetna and Trapper Creek and III at Wasilla. Also felt at Big Lake, Chugiak, Elmendorf AFB, Fort Richardson, Houston, Palmer, Suttan and Willow.

IDC 28 07:13:11.0, 0.0, 62.54N, 151.18W, h93km, 4km, mb4.0/24, mb1 4.1/26, mb1mx1.4/2.8, mbtrmp4.0/2.6, MS3.3/3, Ms1 3.3/3, ms1mx2.9/2.5, Error ellipse: s-maj=12.0km s-min=9.4km az=163.0

ISC 28 07:13:10.1, 0.2, 62.36N, 0.02, 151.02W, 0.04, h91km, 2km, h93km, 2, 2km, p-P, n262, 0.0976/275, mb4.5/62, 7C-1D, Central Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, H, M, S, ISC. Includes stations like SKT Skwentna, SKT Purkeypile, etc.

Table with columns: PAX Paxson, MLY Port Fidalgo, CCB Clear Creek Bu, etc.

ISCJB 28 06:26:35.0, 6.87N, 0.06E, 73.06W, 0.04, h163km, 5km, mb3.8/5, Error ellipse: s-maj=10.0km s-min=6.1km az=151.7

NEIC 28 06:26:36.2, 6.75N, 73.08W, h161km, 19km, mb3.6/4, mb1 3.8/6, mb1mx3.3/2.1, mbtrmp3.6/6, Error ellipse: s-maj=42.5km s-min=20.2km az=90.0

NEIC 28 06:26:36.4, 6.82N, 73.07W, h163km, 8km, mb3.7/1, Error ellipse: s-maj=19.5km s-min=11.8km az=139.0

FUNIV 28 06:26:36.0, 6.79N, 73.13W, h169km, MW3.8, Error ellipse: s-maj=36.0, 0.5, 6.87N, 0.06E, 73.05W, 0.04, h159km, 5km, n34, 0.91/39, mb3.8/5, 2C-8D, Northern Collocation

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, H, M, S, ISC. Includes stations like PAX Paxson, MLY Port Fidalgo, etc.



28d 7h

Table of astronomical observations for 28d 7h, listing stations like TXAR, Lajitas Array, and various array configurations with their respective parameters and coordinates.

2008 DEC

Table of astronomical observations for 2008 DEC, listing stations like GTA, Gaotai, and various array configurations with their respective parameters and coordinates.

1244

Table of astronomical observations for 1244, listing stations like NEIC, GUC, and various array configurations with their respective parameters and coordinates.









ISCJB 28 11:59:18.0.3, 29.08N.0103.139.81E.0.07,  
h418km,4km,mb4.0/39, Error ellipse: s-maj=9.3km  
s-min=5.1km az=173.1

IDC 28 11:59:18.9.0.7, 29.05N.139.69E, h405km,8km,mb3.3/16,  
mb1 3.5/20, mb1mx3.4/25, mbtmp3.3/20, Error ellipse:  
s-maj=14.8km s-min=10.3km az=75.0

JMA 28 11:59:18.9.0.2, 29.17N.140.20E, h429km,4km, M3.7  
BUI 28 11:59:19.0.2, 28.96N.139.58E, h421km, mb4.5/4, mb4.4/10  
NEIC 28 11:59:19.0.0.5, 29.06N.139.76E, h418km,5km,mb4.3/20,  
Error ellipse: s-maj=7.8km s-min=6.4km az=73.0  
ISC 28 11:59:19.1.4.0.3, 139.96E.0.07, h409km,4km,  
n102.0.09N/112,mb4.0/39, Southeast of Honshu

Code	Station Name	A°	AZ°	Phase ID	Time Res	ISC	h m s	ISC
CBII	Chichi jima	2.87	134	P	12 00 22.8	+0.7		
CBII	99nm,0.3s,baz=110,slow=22,SNR=15			S	12 01 12.8	-0.2		
CBII	Chichi jima	2.87	134	P	12 00 22.8	+0.7		
CBII	Chichi jima	2.87	134	P	12 00 22.5	+0.4		
CBII	Chichi jima	2.87	134	P	12 00 22.5	+0.4		
JHJH	Haha-jima-NKT	2.87	140	P	12 00 25.2	+0.3		
JHJH	Boso 1	5.61	10	eS	12 01 17.3	-0.8		
BSO1	Boso 1	5.61	10	eS	12 01 59.9	-0.2		
BSO3	Boso 3	5.70	5	eS	12 00 48.8	0.0		
BSO3	Boso 3	5.70	5	eS	12 02 01.4	+0.5		
BSO4	Boso 4	5.88	4	eS	12 02 02.0	+1.3		
BSO4	Boso 4	5.88	4	eS	12 02 04.0	+0.5		
JKN2	Miekiohoku	5.96	330	P	12 00 53.9	+2.4		
JOD2	Odawara 2	6.17	354	P	12 00 54.1	+0.3		
JOD2	Odawara 2	6.17	354	P	12 02 10.0	-1.1		
JYU	Yasuoku	6.46	345	P	12 00 58.5	+1.6		
JHU	Hanno	6.47	356	P	12 00 59.3	-0.1		
JHU	Hanno	6.47	356	P	12 02 19.2	-3.3		
JRY	Ryogami san	6.93	354	P	12 01 02.9	+0.7		
JYJ	Yasaka	7.10	2	eS	12 01 04.4	+0.3		
JYJ	Yasaka	7.10	2	eS	12 02 03.5	+4.6		
JAG	Ashtago	7.30	357	P	12 01 05.8	-0.5		
JAG	Ashtago	7.30	357	P	12 02 30.9	-3.1		
JHO	Hitachi	7.50	4	eS	12 01 09.2	+0.7		
JHO	Hitachi	7.50	4	eS	12 02 36.2	-2.0		
MMAR	Matsushiro Arr	7.54	350	P	12 01 09.1	+0.2		
MMAR	Matsushiro Arr	7.54	350	P	12 01 09.2	+0.2		
MAJO	Matsushiro	7.54	350	ePn	12 01 09.1	+0.2		
JHS	Saijyo	8.20	317	P	12 01 18.4	+2.1		
JMS	Nimimidaito 2	8.34	241	P	12 01 17.7	-0.4		
JNU	Nakatsu 00	8.42	300	ePn	12 01 20.0	+1.6		
JSJ	Shimokoshiki	10.12	289	P	12 01 27.8	+1.1		
JOW	Kunigami	10.49	260	P	12 01 42.1	+0.2		
JOW	Kunigami	10.49	260	P	12 01 43.8	+1.0		
KRSR	Korea Arr	12.99	313	P	12 02 10.2	+0.9		
KSAR	Wonju Array Be	13.01	313	P	12 02 10.2	+0.7		
USRK	Ursuriysk Arr	16.31	340	P	12 02 46.8	+1.6		
USRK	Ursuriysk Arr	16.31	340	P	12 02 46.8	+1.6		
CN2	Changchun	18.65	326	eP	12 03 11.0	+1.2		
CN2	Changchun	18.65	326	eP	12 03 11.0	+1.2		

ISCJB 28 12:03:39.620N.124.76E, h31km,mb4.2,ML3.1,MS2.8,  
4D, Mindanao

MAN 28 12:03:39.620N.124.76E, h31km,mb4.2,ML3.1,MS2.8,  
4D, Mindanao

MAN 28 12:03:39.620N.124.76E, h31km,mb4.2,ML3.1,MS2.8,  
4D, Mindanao

MAN 28 12:03:39.620N.124.76E, h31km,mb4.2,ML3.1,MS2.8,  
4D, Mindanao

MAN 28 12:03:39.620N.124.76E, h31km,mb4.2,ML3.1,MS2.8,  
4D, Mindanao

Code	Station Name	A°	AZ°	Phase ID	Time Res	ISC	h m s	ISC
GSPH	General Santos	0.22	1200	eP	12 03 50.4	+9.9		
GSPH	General Santos	0.22	1200	eP	12 03 58.9	+4.9		
KCP	Kidapawan	0.87	221	eP	12 04 00.9	+5.8		
CTBH	Cotabato-PC H	1.14	334	iP	12 03 59.0	+0.2		
CTBH	Cotabato-PC H	1.14	334	iP	12 04 02.7	+1.5		
BUK	Musuan	1.70	10	eS	12 04 02.0	+1.5		
BUK	Musuan	1.70	10	eS	12 04 18.9	-8.3		
PAGZ	Pagadian	2.13	320	eP	12 04 15.2	+2.6		
PAGZ	Pagadian	2.13	320	eP	12 04 26.1	-1.2		
CGP	Cagayan de Oro	2.25	358	eP	12 04 17.0	+2.9		
CGP	Cagayan de Oro	2.25	358	eP	12 04 43.5	+2.8		

ISCJB 28 12:10:56.8.0.5, 10.25N.0.06:84W, h66km,5km, MD3.6,  
mb3.1/2, Error ellipse: s-maj=12.2km s-min=4.2km  
az=38.7

CASC 28 12:10:57.5.1.1, 10.25N.84.84W, h66km,5km, MD3.6,  
mb3.1/2, Error ellipse: s-maj=12.2km s-min=4.2km  
az=38.7

IDC 28 12:10:57.2.1.8, 10.25N.84.93W, h65km,13km,mb3.0/2,  
mb1 3.7/3, mb1mx3.2/20, mbtmp3.3/3, Error ellipse:  
s-maj=150.7km s-min=31.3km az=52.0

ISC 28 12:10:57.6.0.5, 10.24N.0.06:84W, h70km,5km,  
mb3.0, Error ellipse: s-maj=12.2km s-min=4.2km  
az=38.7

Code	Station Name	A°	AZ°	Phase ID	Time Res	ISC	h m s	ISC
JTS	JuntasAbangare	0.10	299	P	12 11 07.2	-0.6		
JTS	JuntasAbangare	0.10	299	P	12 11 14.6	-0.7		
CASO	Castillo	0.23	34	iP	12 11 08.1	-0.2		
CGA2	Cerro Gallo 2	0.46	120	iP	12 11 09.8	-0.2		
JCR	Jicaral	0.46	212	iP	12 11 09.7	-0.4		
A494	Palo Verde	0.49	282	iP	12 11 03.2	-0.1		
CUI	Cuipilapa	0.51	325	iP	12 11 02.2	-0.2		
CUI	Cuipilapa	0.51	325	iP	12 11 20.0	+0.1		
COLC	Colonia	0.53	322	iP	12 11 10.4	-0.4		
COLC	Colonia	0.53	322	iP	12 11 20.8	+0.2		
GUAB	Guayabo de Bag	0.58	322	iP	12 11 11.0	-0.2		
GUAB	Guayabo de Bag	0.58	322	iP	12 11 21.4	+0.1		
A490	San Lazaro	0.58	273	iP	12 11 11.4	+0.2		
A490	San Lazaro	0.58	273	iP	12 11 21.7	+0.4		
LM1	Limalon	0.59	320	iP	12 11 11.2	-0.2		
MESS	Mesas	0.59	327	iP	12 11 11.1	-0.2		
A495	El Viejo	0.60	284	iP	12 11 10.9	-0.5		
GPS2	Hotel Rincón	0.70	317	iP	12 11 21.5	+0.1		
GPS2	Hotel Rincón	0.70	317	iP	12 11 12.5	+0.1		
GPS2	Hotel Rincón	0.70	317	iP	12 11 23.7	+0.3		
GPS3	Bodega del ICE	0.71	316	iP	12 11 12.5	-0.1		
GPS3	Bodega del ICE	0.71	316	iP	12 11 23.7	+0.1		
GPS1	Guardaparques	0.71	318	iP	12 11 10.9	-0.3		
GPS1	Guardaparques	0.71	318	iP	12 11 23.9	+0.2		
A492	Arado	0.72	268	iP	12 11 12.5	-0.2		
LAPC	Finca La Perla	0.76	313	iP	12 11 13.0	-0.2		
LAPC	Finca La Perla	0.76	313	iP	12 11 24.6	-0.2		
NY14	Buena Vista	0.77	316	iP	12 11 13.2	-0.1		
NY14	Buena Vista	0.77	316	iP	12 11 13.7	+0.4		
NY14	Buena Vista	0.77	316	iP	12 11 26.2	+1.3		
GB1A	Borinquen Arri	0.78	318	iP	12 11 13.5	+0.2		
GBS3	Finca Las im	0.79	313	iP	12 11 13.2	-0.3		
GBS3	Finca Las im	0.79	313	iP	12 11 25.3	+0.0		
GBS3	Finca Las im	0.79	313	iP	12 11 10.9	-0.7		
GBS2	Las Lilas	0.82	316	iP	12 11 26.4	+0.4		
SJS	Escuela Geolog	0.85	111	eP	12 11 14.4	+0.1		
SJS	Escuela Geolog	0.85	111	eP	12 11 26.7	0.0		
QCR	Quepos	1.09	120	eP	12 11 16.5	-0.5		
QCR	Quepos	1.09	120	eP	12 11 22.9	+0.6		
BUS	Buena Vista	1.29	122	eP	12 11 20.2	+0.4		
ACR	Cerro Adams	2.30	133	eP	12 11 32.7	-0.7		
BRU2	Volcan	2.58	124	eP	12 11 37.4	+0.3		
BRU2	Volcan	2.58	124	eP	12 12 08.5	+1.0		
CMJ	Matias Romero	11.88	306	eP	12 13 44.1	+0.1		
PTP	Ponta Puerca	20.26	65	eP	12 11 40.5			
TXAR	Lajas Array	25.88	320	P	12 16 22.2	-0.7		
NVAR	Mina Array Bea	41.02	319	P	12 18 34.6	+0.6		
ASAR	Alice Springs	140.73	245	PKP	12 30 19.6	-0.5		
ASAR	Alice Springs	140.73	245	PKP	12 30 19.6	-0.5		
WRA	Warramunga Arr	141.03	251	PKP	12 30 19.6	-1.1		
WRA	Warramunga Arr	141.03	251	PKP	12 30 19.6	-1.1		

ISCJB 28 12:16:05.3.1.1, 38.24N.0.04:26.56E, h4km,10km,  
Error ellipse: s-maj=10.8km s-min=7.2km az=168.4

ISC 28 12:16:05.3.1.1, 38.24N.0.04:26.56E, h4km,10km,  
Error ellipse: s-maj=10.8km s-min=7.2km az=168.4

ISC 28 12:16:05.3.1.1, 38.24N.0.04:26.56E, h4km,10km,  
Error ellipse: s-maj=10.8km s-min=7.2km az=168.4

ISC 28 12:16:05.3.1.1, 38.24N.0.04:26.56E, h4km,10km,  
Error ellipse: s-maj=10.8km s-min=7.2km az=168.4

Code	Station Name	A°	AZ°	Phase ID	Time Res	ISC	h m s	ISC
URLA	Izmir	0.12	20	iP	12 16 07.5	-0.5		
URLA	Izmir	0.12	20	iP	12 16 10.0	+0.4		
BLCB	Balcova	0.41	70	eP	12 16 13.3	-0.2		
BLCB	Balcova	0.41	70	eP	12 16 19.1	+0.1		
BLCB	Balcova	0.41	70	eP	12 16 19.1	+0.1		
GCAM	G?zelcaml?	0.77	135	eP	12 16 19.9	-0.5		
GCAM	G?zelcaml?	0.77	135	eP	12 16 30.8	+0.4		
GCAM	G?zelcaml?	0.77	135	eP	12 16 19.9	-0.5		
GCAM	G?zelcaml?	0.77	135	eP	12 16 30.8	+0.4		
APPE	Apeiranthos	1.43	215	ePn	12 16 51.1	-0.4		
APPE	Apeiranthos	1.43	215	ePn	12 16 33.0	+0.8		
APPE	Apeiranthos	1.43	215	ePn	12 16 51.1	-0.4		
KULA	Kula-Manisa	1.69	80	ePn	12 16 35.5	-0.3		
KULA	Kula-Manisa	1.69	80	ePn	12 16 35.5	-0.3		
GONE	Gonen-Balikesi	2.00	26	ePn	12 16 40.4	+0.2		
GONE	Gonen-Balikesi	2.00	26	ePn	12 16 40.4	+0.2		

ISCJB 28 12:14:10.3.0.7, 37.90N.0.03:2



28d 13h

Table with columns for station code, name, frequency, and signal strength. Includes stations like UGL, JTKR, KOZ, KPT, etc.

2008 DEC

Table with columns for station code, name, frequency, and signal strength. Includes stations like YAK, YAK, YAK, etc.

1250

Table with columns for station code, name, frequency, and signal strength. Includes stations like SSE, HHC, HHC, etc.





28d 13h

Table with columns for station name, frequency, power, and other technical details. Includes stations like ARCES, DANN, WDC, BSMT, BLMT, KOLN, etc.

2008 DEC

Table with columns for station name, frequency, power, and other technical details. Includes stations like YNR, LKWY, SCO, DCIDI, RLMT, etc.

1252

Table with columns for station name, frequency, power, and other technical details. Includes stations like SRU, LDFC, RSSD, PFO, etc.

1253

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SDCO Great Sand Dun, MSFV Nonsavu, ECSD EROS Data Cent, etc.

2008 DEC

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like IBAF Bafgh, KSU1 Kansas State U, BEL Belsk, etc.

28d 13h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like UPC Upice, DPC Dobruska-Polom, XAL Allendale, etc.

28d 13h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ISTR, MOX, AMRR, BALD, TREC, NKC, etc.

2008 DEC

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like USIN, BSY, PARMO, ERPA, LONY, AVNT, etc.

1254

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like WTTA, PGB, RETA, BINY, KDH, etc.



28d 15h

Table with columns: PBAR, Barrancos, 92.38 345 eP, P, 13 44 42.0 -0.8, 14 17 13.3, etc. Lists various stations and their coordinates.

IDC 28 13:50:15.5-5.0, 23.36Sx131.53E, h0km, mb1 3.6/3, mb1mx3.3/12, mbtmt3.4/3, ML3.4/3, Error ellipse: s-maj=53.2km s-min=24.0km az=84.0, Northern

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists station codes and names.

2008 DEC

Table with columns: WRA, 1.0nm, 0.3s, baz=218, slow=14, SNR=46, Pg, 13 51 33.8 -4.0, etc.

ISCJB 28 14:02:07.9-0.7, 32.51S-0.08-138.38E:0.05, h10km, Error ellipse: s-maj=11.7km s-min=6.0km az=179.6

NEIC 28 14:02:11.0, 32.66S:138.27E, h14km, ML3.1(AUST), After AUST.

AUST 28 14:02:11.1, 32.66S:138.27E, h14km, ML3.1, IDC 28 14:02:13.1-6.2, 32.11S:138.45E, h0km, mb1 3.1/3, mb1mx3.0/12, mbtmt2.9/3, ML2.9/3, Error ellipse: s-maj=86.6km s-min=19.6km az=20.0

ISC 28 14:02:09.7-0.7, 32.56S:0.07-138.34E:0.05, h10km, n12, r1518/20, Near coast of South Australia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists station codes and names.

ISCJB 28 14:09:04.9-0.6, 37.788N-0.04-29.25E:0.04, h12km, 6km, Error ellipse: s-maj=6.7km s-min=4.6km az=145.9

ISK 28 14:09:04.0, 37.91N:29.19E, h3km, 3km, Md2.7, DDA 28 14:09:04.0, 37.91N:29.19E, h3km, 3km, Md2.7, CSEM 28 14:09:04.3-0.2, 37.86N:29.26E, h15km, MD2.4, Error ellipse: s-maj=4.7km s-min=3.7km az=132.0

ISC 28 14:09:05.1-0.6, 37.87N:0.04-29.23E:0.04, h17km, 5km, n16, r0969/31, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists station codes and names.

ISCJB 28 14:10:01.0-0.6, 37.90N-0.03-29.20E:0.04, h6km, 5km, Error ellipse: s-maj=5.7km s-min=4.4km az=10.0

ISK 28 14:10:00.5, 37.89N:29.14E, h14km, MD2.7, CSEM 28 14:10:00.9-0.2, 37.88N:29.19E, h10km, MD2.7, Error ellipse: s-maj=4.2km s-min=3.3km az=95.0

DDA 28 14:10:01.1, 37.92N:29.23E, h3km, 2km, Md2.9, ISC 28 14:10:01.4-0.5, 37.89N:0.03-29.19E:0.04, h11km, 5km, n22, r074/38, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists station codes and names.

NEIC 28 14:29:44.3-1.7, 31.18Sx179.79W, h453km, 16km, mb4.2/3, Error ellipse: s-maj=24.2km s-min=16.0km az=54.0

IDC 28 14:29:45.6-5.0, 0.31-25S:179.55W, h455km, 57km, mb3.4/4, mb1 3.6/6, mb1mx3.3/16, mbtmt3.6/6, Error ellipse: s-maj=54.1km s-min=28.4km az=15.0

ISC 28 14:29:46.1-1.2, 31.34Sx0.08-180.0E:0.2, h454km, 17km, n44, r120/49, mb3.9/5, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists station codes and names.

1256

Table with columns: MXZ, Omahuta, 6.61 232 eP, S, 14 32 41.5 +2.8, etc. Lists various stations and their coordinates.

MAN 28 14:58:43.6, 08N-126.27E, h159km, mb4.5, ML3.3, MS3.2, 1D, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists station codes and names.

MOS 28 15:09:26.6-2.7, 56.73N-118.71E, h9km, mb4.3/1, Error ellipse: s-maj=16.0km s-min=13.8km az=146.1

BYKL 28 15:09:28.5-0.3, 56.563N-118.46E, h8km, 9km, 5C-1D, East of Lake Baykal

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists station codes and names.







Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ODAN Odare, TAPN Tapeljung, TAPN Tapeljung, RAMN Ramite, etc.

GUC 28 16:54:17.80.7, 31.78S:71.43W, h31km, 1km, MD3.9, ML3.5, 6C-3D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CHNG Los Chungos, PTCH Petorca, CMCH Combarbala, etc.

ISCJB 28 17:06:49.8:0.5, 37.87N:0.02:29.20E:0.03, h9km, 7km, Error ellipse: s-maj=4.5km s-min=4.2km az=173.3

ISC 28 17:06:49.4, 37.88N:29.19E, h7km, MD2.7
DDA 28 17:06:49.9, 37.88N:29.22E, h7km, MD2.8
CSEM 28 17:06:49.9, 37.86N:29.21E, h10km, MD2.7, Error ellipse: s-maj=3.0km s-min=2.8km az=90.0

ISC 28 17:06:50.4:0.5, 37.87N:0.03:29.20E:0.04, h12km, 6km, n22, -0570/42, Turkey

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

Table with columns: YER, Yerkesik, 1.03 225 ePg, Pg, 17 07 09.8 -0.5, etc.

ISCJB 28 17:15:49.9:0.6, 37.91N:0.03:29.17E:0.06, h10km, Error ellipse: s-maj=7.2km s-min=3.8km az=176.2

ISK 28 17:15:49.8, 37.90N:29.10E, h14km, MD2.5
DDA 28 17:15:49.5, 37.89N:29.21E, h7km, 2km, MD2.8
CSEM 28 17:15:50.1:0.2, 37.91N:29.16E, h2km, MD2.5, Error ellipse: s-maj=6.3km s-min=3.5km az=86.0

ISC 28 17:15:50.5:1.2, 37.90N:0.03:29.16E:0.07, h8km, 27km, n14, -0576/24, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DENT Denizli, DNZL Cakirokul, DNZL Cakirokul, etc.

MAN 28 17:25:07, 11.38N:122.53E, h89km, mb3.7, ML2.4, MS2.0, 1C, Panay

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RCP Roxas, GUIM Jordan, GUIM Jordan, etc.

ISC 28 17:31:58.0:0.5, 37.23N:22.22E, h0km, mb4.2/22, mb1 4.3/29, mb1mx4.3/34, mbtmp4.2/29, ML3.7, MS3.3/15, Ms1 3.4/15, ms1mx3.2/43, Error ellipse: s-maj=13.0km s-min=12.3km az=59.0

CSEM 28 17:31:59.0:1.7, 37.18N:22.08E, h2km, mb5.0/5, Ms3.1, Error ellipse: s-maj=3.3km s-min=2.5km az=40.0

ATH 28 17:32:00.1, 37.21N:22.14E, h5km, 1km, ML4.2
THE 28 17:32:00.7, 37.18N:22.20E, h0km, 1km, ML4.3/9, Error ellipse: s-maj=1.5km s-min=0.6km az=211.0

MOS 28 17:32:01.1:1.2, 37.17N:22.06E, h33km, mb4.5/24, Error ellipse: s-maj=6.2km s-min=3.8km az=102.4

PDG 28 17:32:01.1:0.5, 37.25N:22.25E, h11km, ML4.2/7, Error ellipse: s-maj=1.0km s-min=1.2km az=0.0

HLW 28 17:32:01.2, 37.37N:22.03E, h33km, 17km, MD4.6, MS3.8
NEIC 28 17:32:03.4:0.5, 37.18N:22.09E, h42km, 5km, mb4.5/27, Error ellipse: s-maj=6.6km s-min=3.9km az=197.0

ISC 28 17:32:00.2:0.3, 37.12N:0.01:22.13E:0.01, h11km, 2km, n638, e1930/726, mb4.4/47, MS3.6/10, 25C-23D, Southern Greece

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

Table with columns: VLY, Voula, Athens, 1.51 61 P, Sg, 17 32 47.2 -1.6, etc.

Table with 4 columns: Call Sign, Name, Frequency, and Mode. The table lists various radio stations and their frequencies across the 28 Dec 17h time slot. It includes call signs like SRS, VAY, and various amateur radio call signs such as N1, N2, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like BAIF Baives, VSR Storozhevoje, and various Novokhopersk and SVE stations.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like ARCES ARCESS Array B, KEV Kevo, and various DBIC and LIC stations.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like MJAR Matsushiro Arr, NVAR Mina Array Bea, and WRA Warramunga Arr.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes NEIC and MEX stations.

ISCJB 28 18:01:28.7±0.5, 37.89N±0.03±29.19E±0.04, h12km, 8km, Error ellipse: s-maj=5.9km s-min=4.1km az=161.4

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes DENT Denizli, DNZL Cakirokul, and KHAL Karahalli.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes KULA Kula-Manisa, GLHS Gihisar (BURDU), and YER Yerkesik.

ISCJB 28 18:03:37.0±0.6, 48.22N±0.04±154.43E±0.05, h42km, 5km, mb4.7/11, MS3.7/10, Error ellipse: s-maj=8.1km s-min=3.9km az=140.

KRSC 28 18:03:38.6±2.8, 47.95N±1.56±149E, h10km, 10km, ML4.9, IDC 28 18:03:38.4±4.0, 48.23N±1.54±36E, h33km, 30km, mb4.3/25, MS1.4/27, mb1mx4/29, mbtmp4/327, ML4.1/2, MS3.7/10, MS1.3/7/10, ms1mx3/5/26, Error ellipse: s-maj=16.6km s-min=10.9km az=151.0

NEIC 28 18:03:38.9±0.5, 48.23N±1.54±37E, h40km, 4km, mb5.0/72, Error ellipse: s-maj=6.2km s-min=3.3km az=146.0

SZGRF 28 18:03:39.7, 49.40N±1.54±29E, h33km, mb4.7, Kuril Islands, Russia

SKHL 28 18:03:40.1±1.4, 48.07N±1.54±67E, h58km, 4km, mb5.0/5, mb4.4/13, MS4.6/7

MOS 28 18:03:41.1±0.9, 48.18N±1.54±37E, h73km, mb5.0/39, Error ellipse: s-maj=9.7km s-min=5.0km az=94.1

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes SKR Severo-Kuril's, SKR Severo-Kuril's, and SKR Severo-Kuril's.

Table with columns: Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like KUR Kuril'sk, KUR comp=Z,60nm,1.0s, KUR comp=N,80nm,0.6s, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like TLY comp=Z,7.0nm,0.9s,mb4.5, TLY comp=Z,177nm,21.0s,MS3.7, COLD Coldfoot, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like ULM comp=Z,2.0nm,0.7s, SRU San Rafael, SRU comp=Z,5.4nm,1.0s,mb4.5, etc.













28d 21h

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Table with columns: CBIJ, Chichi jima, 23.17 208, LR, LR, 21 55 09.3, etc. Includes stations like Nakatsue, Gambell, Dalian, Bodaibo, Tin City, Beijing, etc.

Table with columns: ILAR, comp=Z,32nm,1.1s,mb5.2,baz=258,slow=8.4,SNR=98, etc. Includes stations like Eielson Array, Wuhan, Xian, etc.

Table with columns: NVS, Novosibirsk, 42.92 307, P, P, 21 48 10.7 -0.5, etc. Includes stations like Dease Lake, Urumqi, Kunming, etc.







Table with columns for call sign, name, frequency, and other details. Includes stations like SOP Sopron, PRD Provadia, BEBN Eben Emael, etc.

Table with columns for call sign, name, frequency, and other details. Includes stations like WTTA Wattenberg, WTTA Wattenberg, WTTA Wattenberg, etc.

Table with columns for call sign, name, frequency, and other details. Includes stations like WTTA Wattenberg, WTTA Wattenberg, WTTA Wattenberg, etc.

Table with columns for call sign, name, frequency, and other details. Includes stations like LOR Lormes, GRG Griva, GRG Griva, etc.

Table with columns for call sign, name, frequency, and other details. Includes stations like LOR Lormes, GRG Griva, GRG Griva, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, Res. Includes stations like SONMG Sogingo Array, SONM Sogingo Array, GTA Gaotai, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, Res. Includes stations like Severo-Kuril's, 127C-49D, Kuril Islands, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, Res. Includes stations like UGL Uglegorsk, UGL Uglegorsk, JNK Nakash, etc.

ISK 28 22:24:08.0, 37.89N, 29.19E, h5km, MD2.6
ISCJB 28 22:24:09.3, 0.5, 37.90N, 0.03, 29.21E, 0.04, h5km, 6km,
Error ellipse: s-maj=5.8km s-min=4.4km az=174.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, Res. Includes stations like DENT Denizli, DNZL Cakiroluk, etc.

SZGRF 28 22:39:41.9, 48.86N, 154.12E, h33km, mb5.1, Kuril Islands, Russia
BUJ 28 22:39:41.6, 48.18N, 154.80E, h43km, mb5.0/32, mb4.8/48, Ms4.6/35, Ms7.4/36
ISCJB 28 22:39:43.7, 0.4, 48.20N, 0.03, 154.37E, 0.03, h43km, 3km, mb5.1/235, MS4.3/23, Error ellipse: s-maj=5.2km s-min=2.6km az=148.6

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, Res. Includes stations like UGL Uglegorsk, UGL Uglegorsk, JNK Nakash, etc.





Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like FFC Flin Flon, SUMG Summit, WCN Washoe City, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like VSR comp=2.0nm,0.4s, PV04 GLA, NB2 NORSAR Subarra, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like CRVS Cervenica-Dubn, QLP Quilpie, ESK Eskdalemuir, etc.

MIAR	Mount Ida	77.75	51	eP	P	22 51 37.5 -0.5
MIAR	Mount Ida	77.75	51	eP	P	22 51 37.5 -0.5
MIAR	comp-Z,11nm,0.8s,mb4.8				pmax	
BZS	Buzias	77.77 328				22 51 37.1 -0.8
BZS	Buzias	77.77 328				22 51 37.1 -0.8
MEM	Membach	77.82 340				22 51 38.1 0.0
BRTR	comp-Z,33nm,1.1s,mb5.2					22 51 38.7 +0.3
BRTR	Keskin Array B	77.85 317				22 51 38.7 +0.3
BRTR	Keskin Array B	77.85 317				22 51 38.7 +0.3
BRTR	comp-Z,19nm,0.6s				pmax	
ARQ	Araqi	77.90 291				22 51 39.9 +0.9
BSY	Bisya	77.91 290				22 51 39.7 +0.7
ZIMR	78.07 325					22 51 39.0 -0.6
ZIMR	78.07 325					22 51 39.0 -0.6
BCLA	Clavier	78.16 340				22 51 39.6 -0.4
ZMO	Strazhica	78.18 324				22 51 39.5 +0.7
ZMO	Molin	78.19 334				22 51 40.3 +0.2
MOA	Molin	78.19 334				22 51 40.3 +0.2
FRNY	Flat Rock	78.23 33				22 51 36.5 -4.0
PKSM	Moragy	78.27 330				22 51 40.0 -0.7
PKSM	Moragy	78.27 330				22 51 40.0 -0.7
SNF	Senefee	78.30 341				22 51 40.2 -0.5
ARSA	Arzberg	78.35 333				22 51 41.3 +0.3
ARSA	Arzberg	78.35 333				22 51 41.3 +0.3
ARMA	Armidate	78.35 325				22 51 41.3 +0.3
PVL	Pavlikien	78.45 325				22 51 41.7 0.0
WCI	Wyandotte Cave	78.46 44				22 51 41.4 -0.4
WCI	Wyandotte Cave	78.46 44				22 51 41.4 -0.4
UMR	Umm Al-Rimmam	78.54 302				22 51 42.1 -0.4
MIB	Mutribah	78.57 302				22 51 42.6 +0.1
MIB	comp-Z,119nm,0.6s,mb6.0					22 51 42.1 -0.4
DOU	Dourbes	78.62 341				22 51 42.7 -0.1
WLF	Waferdange	78.67 340				22 51 43.2 +0.5
WLF	Waferdange	78.67 340				22 51 43.2 +0.5
RJOB	Jochberg	78.72 335				22 51 43.6 +0.5
BAIF	Baives	78.74 341				22 51 43.1 -0.1
BAIF	Baives	78.74 341				22 51 43.1 -0.1
BAIF	Baives	78.74 341				22 51 43.1 -0.1
STU	Stuttgart	78.75 337				22 51 43.4 +0.2
STU	Stuttgart	78.75 337				22 51 43.4 +0.2
LANF	Langenberg	78.91 338				22 51 44.2 +0.1
SOKA	Soboth	79.01 333				22 51 44.9 +0.2
SOKA	Soboth	79.01 333				22 51 44.9 +0.2
NAY	Al-Naaiem	79.04 302				22 51 45.0 -0.2
NAY	Al-Radihah	79.11 301				22 51 46.1 +0.5
KBA	Koelnbreinsper	79.15 334				22 51 46.6 +1.2
KBA	Koelnbreinsper	79.15 334				22 51 46.6 +1.2
KBA	Koelnbreinsper	79.15 334				22 51 46.6 +1.2
OBKA	Obir	79.31 333				22 51 46.3 0.0
OBKA	Obir	79.31 333				22 51 46.3 0.0
NATX	Nacogdoches	79.31 54				22 51 47.1 +0.4
DIM	Dimitrovgrad	79.35 324				22 51 46.8 +0.1
BFO	Black Forest	79.38 338				22 51 46.8 +0.1
BFO	Black Forest	79.38 338				22 51 46.8 +0.1
BFO	Black Forest	79.38 338				22 51 46.8 +0.1
WVT	Waverly	79.40 47				22 51 46.4 -0.6
WVT	Waverly	79.40 47				22 51 46.4 -0.6
WATA	Walderalm	79.43 335				22 51 47.5 +0.6
WATA	Walderalm	79.43 335				22 51 47.5 +0.6
WATA	Walderalm	79.43 335				22 51 47.5 +0.6
MYKA	Terra Mystica	79.47 334				22 51 47.0 -0.3
MYKA	Terra Mystica	79.47 334				22 51 47.0 -0.3
WTTA	Wattenberg	79.47 335				22 51 47.9 +0.7
WTTA	Wattenberg	79.47 335				22 51 47.9 +0.7
WTTA	Wattenberg	79.47 335				22 51 47.9 +0.7
RETA	Reutte	79.51 336				22 51 47.9 +0.4
RETA	Reutte	79.51 336				22 51 47.9 +0.4
MOTA	Moosalm	79.55 336				22 51 48.0 +0.4
MOTA	Moosalm	79.55 336				22 51 48.0 +0.4
MOTA	Moosalm	79.55 336				22 51 48.0 +0.4
CDF	Champ du Feu	79.57 338				22 51 47.7 0.0
CDF	Champ du Feu	79.57 338				22 51 47.7 0.0
CDF	Champ du Feu	79.57 338				22 51 47.7 0.0
DIVS	Divibare	79.67 328				22 51 48.1 -0.2
DIVS	Abfattersbach	79.69 334				22 51 48.4 0.0
ABTA	Abfattersbach	79.69 334				22 51 48.4 0.0
LJUJ	Ljubljana	79.73 333				22 51 48.5 -0.2
ECHY	Echery	79.78 338				22 51 48.5 -0.4
VTS	Vitosha	79.80 326				22 51 49.3 +0.2
VTS	Vitosha	79.80 326				22 51 49.2 +0.1
VTS	Vitosha	79.80 326				22 51 48.8 -0.3
VTS	Vitnje	79.85 333				22 51 48.7 -0.6
DAVA	Damuels	79.94 336				22 51 50.1 +0.4
DAVA	Damuels	79.94 336				22 51 50.1 +0.4
FETA	Feichten	79.95 336				22 51 50.5 +0.7
FETA	Feichten	79.95 336				22 51 50.5 +0.7
BOJS	Bojanik	80.01 333				22 51 49.1 -1.0
MAJV	Majevnik	80.01 333				22 51 49.8 -0.8
MEZF	Maizieres J'vi	80.01 340				22 51 50.3 +0.2
MEZF	Maizieres J'vi	80.01 340				22 51 50.3 +0.2

THEF	They Montfort	80.05 339				22 51 50.5 +0.2
MOF	Moldenkain	80.12 338				22 51 50.5 -0.2
HAU	Haudompre	80.17 339				22 51 50.8 -0.2
HAU	comp-Z,64nm,1.1s,mb5.2				eR	
HAU	Haudompre	80.17 339				22 51 50.8 -0.2
HAU	Haudompre	80.17 339				22 51 50.8 -0.2
PLAL	Pickwick Lake	80.20 48				22 51 50.4 -1.0
HINF	Hinterfald	80.22 338				22 51 50.9 -0.4
HINF	Hinterfald	80.22 338				22 51 50.9 -0.4
HINF	Hinterfald	80.22 338				22 51 50.9 -0.4
HINF	Hinterfald	80.22 338				22 51 50.9 -0.4
HINF	Hinterfald	80.22 338				22 51 50.9 -0.4
FIORN	Fiorn	80.43 336				22 51 53.5 +1.0
MMK	Musomiste	80.46 325				22 51 52.6 -0.1
STKA	Stevens Creek	80.58 191				22 51 53.1 0.0
STKA	Stevens Creek	80.58 191				22 51 53.1 0.0
STKA	Stevens Creek	80.58 191				22 51 53.1 0.0
STKA	Stevens Creek	80.58 191				22 51 53.1 0.0
STKA	Stevens Creek	80.58 191				22 51 53.1 0.0
NVR	Neurokopi	80.61 325				22 51 53.6 +0.1
LOMP	Lomont	80.67 338				22 51 54.0 +0.4
ISP	Isparta	80.80 318				22 51 54.9 +0.3
ISP	Isparta	80.80 318				22 51 53.4 -1.1
ISP	Isparta	80.80 318				22 51 54.4 -0.2
ISP	Isparta	80.80 318				22 51 54.4 -0.2
TAOE	Nuku Hiva Isla	80.81 114				23 17 11.1
TUE	Stuetta	80.83 336				22 51 55.2 +0.7
FLN	La Foliniere	80.93 343				22 51 54.8 -0.2
FLN	La Foliniere	80.93 343				22 51 54.8 -0.2
FLN	La Foliniere	80.93 343				22 51 54.8 -0.2
FLN	La Foliniere	80.93 343				22 51 54.8 -0.2
NVLJ	Novaja	80.96 332				22 51 54.0 -1.3
LDF	La Druitiere	81.03 343				22 51 55.1 -0.4
LDF	La Druitiere	81.03 343				22 51 55.1 -0.4
LDF	La Druitiere	81.03 343				22 51 55.1 -0.4
LDF	La Druitiere	81.03 343				22 51 55.1 -0.4
LDF	La Druitiere	81.03 343				22 51 55.1 -0.4
SWET	Sewanee	81.06 46				22 51 55.1 -0.8
PMOR	Pomarioiro Re	81.20 124				00 21 07.4
GRR	Gorron	81.36 344				22 51 57.3 0.0
GRR	Gorron	81.36 344				22 51 57.3 0.0
GRR	Gorron	81.36 344				22 51 57.3 0.0
GRR	Gorron	81.36 344				22 51 57.3 0.0
LOR	Lormes	81.45 340				22 51 57.7 -0.1
LOR	Lormes	81.45 340				22 51 57.7 -0.1
LOR	Lormes	81.45 340				22 51 57.7 -0.1
LOR	Lormes	81.45 340				22 51 57.7 -0.1
SENI	Lac Senin/Sane	81.47 338				22 51 58.7 +0.8
CABF	La Chapelle	81.54 338				22 51 58.5 +0.2
CABF	La Chapelle	81.54 338				22 51 58.5 +0.2
CABF	La Chapelle	81.54 338				22 51 58.5 +0.2
CABF	La Chapelle	81.54 338				22 51 58.5 +0.2
CABF	La Chapelle	81.54 338				22 51 58.5 +0.2
SSF	Saint Saugle	81.72 340				22 51 59.2 -0.1
SSF	Saint Saugle	81.72 340				22 51 59.2 -0.1
SSF	Saint Saugle	81.72 340				22 51 59.2 -0.1
SSF	Saint Saugle	81.72 340				22 51 59.2 -0.1
SSF	Saint Saugle	81.72 340				22 51 59.2 -0.1
SGMF	Saint Gilles	81.80 345				22 51 59.7 0.0
SGMF	Saint Gilles	81.80 345				22 51 59.7 0.0
SGMF	Saint Gilles	81.80 345				22 51 59.7 0.0
SGMF	Saint Gilles	81.80 345				22 51 59.7 0.0
SGMF	Saint Gilles	81.80 345				22 51 59.7 0.0
ROSF	Rostrene	81.85 345				22 52 00.1 +0.2
ROSF	Rostrene	81.85 345				22 52 00.1 +0.2
ROSF	Rostrene	81.85 345				22 52 00.1 +0.2
ROSF	Rostrene	81.85 345				22 52 00.1 +0.2
ROSF	Rostrene	81.85 345				22 52 00.1 +0.2
AVF	Avril sur Loir	82.01 340				22 52 00.8 0.0
AVF	Avril sur Loir	82.01 340				22 52 00.8 0.0
AVF	Avril sur Loir	82.01 340				22 52 00.8 0.0
AVF	Avril sur Loir	82.01 340				22 52 00.8 0.0
AVF	Avril sur Loir	82.01 340				22 52 00.8 0.0
SMF	Signal de Mont	82.04 340				22 52 01.0 +0.1
SMF	Signal de Mont	82.04 340				22 52 01.0 +0.1
SMF	Signal de Mont	82.04 340				22 52 01.0 +0.1
SMF	Signal de Mont	82.04 340				22 52 01.0 +0.1
SMF	Signal de Mont	82.04 340				22 52 01.0 +0.1
TIR	Tirane	82.12 327				22 52 01.2 -0.2
TIR	Tirane	82.12 327				22 52 01.2 -0.2
TIR	Tirane	82.12 327				22 52 01.2 -0.2
TIR	Tirane	82.12 327				22 52 01.2 -0.2
TIR	Tirane	82.12 327				22 52 01.2 -0.2
FORT	Forrest	82.12 203				22 52 01.3 0.0
FORT	Forrest	82.12 203				22 52 01.4 +0.1
QUIF	Quistinic	82.24 345				22 52 01.8 -0.1
QUIF	Quistinic	82.24 345				22 52 01.8 -0.1
QUIF	Quistinic	82.24 345				22 52 01.8 -0.1
QUIF	Quistinic	82.24 345				22 52 01.8 -0.1
QUIF	Quistinic	82.24 345				22 52 01.8 -0.1
RSL	Roseleind	82.27 338				22 52 02.6 +0.5
BGF	Bois d'Agland	82.35 341				22 52 02.6 +0.1
BGF	Bois d'Agland	82.35 341				22 52 02.6 +0.1
BGF	Bois d'Agland	82.35 341				22 52 02.6 +0.1
BGF	Bois d'Agland	82.35 341				22 52 02.6 +0.1
BGF	Bois d'Agland	82.35 341				22 52 02.6 +0.1
LPL	La Plagne	82.40 338				22 52 03.8 +1.0
LPL	La Plagne	82.40 338				22 52 03.8 +1.0
LPL	La Plagne	82.40 338				22 52 03.8 +1.0
LPL	La Plagne	82.40 3				

Table with station names, coordinates, and frequencies. Includes stations like VNA2, VNA3, VNA4, VNA5, VNA6, VNA7, VNA8, VNA9, VNA10, VNA11, VNA12, VNA13, VNA14, VNA15, VNA16, VNA17, VNA18, VNA19, VNA20, VNA21, VNA22, VNA23, VNA24, VNA25, VNA26, VNA27, VNA28, VNA29, VNA30, VNA31, VNA32, VNA33, VNA34, VNA35, VNA36, VNA37, VNA38, VNA39, VNA40, VNA41, VNA42, VNA43, VNA44, VNA45, VNA46, VNA47, VNA48, VNA49, VNA50, VNA51, VNA52, VNA53, VNA54, VNA55, VNA56, VNA57, VNA58, VNA59, VNA60, VNA61, VNA62, VNA63, VNA64, VNA65, VNA66, VNA67, VNA68, VNA69, VNA70, VNA71, VNA72, VNA73, VNA74, VNA75, VNA76, VNA77, VNA78, VNA79, VNA80, VNA81, VNA82, VNA83, VNA84, VNA85, VNA86, VNA87, VNA88, VNA89, VNA90, VNA91, VNA92, VNA93, VNA94, VNA95, VNA96, VNA97, VNA98, VNA99, VNA100.

SKO 28 22:58:46.3,39°74N-26°72E, h0km  
THE 28 22:58:57.3,40°32N-25°99E, h0km, 1km, ML5.1/16, Error ellipse: s-maj=1.7km s-min=0.7km az=99.0

IDC 28 22:58:58.3,40°40'N-25°74E, h0km, mb4.4/29, mb1.4/38, mb1mx4.5/40, mbtmp4.4/38, ML4.2/9, MS4.6/27, Ms1.4/27, ms1mx4.5/34, Error ellipse: s-maj=9.4km s-min=6.1km az=70.0

ISK 28 22:58:58.3,40°41'N-25°81E, h9km, ML5.2  
BEO 28 22:58:58.0,6,40°50'N-26°20E, h0km, ML5.6/1  
ISCJB 28 22:58:58.3,40°41'N-25°77E, h0km, ML5.6/1  
h1km, mb4.9/95, MS4.8/40, Error ellipse: s-maj=1.7km s-min=1.1km az=14.1

PDG 28 22:58:58.9,0.6,40°40'N-25°78E, h14km, 1km, MD4.8/4, ML4.7/10, Error ellipse: s-maj=0.7km s-min=0.6km az=90.0

BUI 28 22:58:58.1,40°25'N-25°94E, h6km, mb5.2/34, mb5.0/55, Ms5.1/40, Ms7.4/38

NEIC 28 22:58:59.0,40°39'N-25°78E, h35km, mb5.1/42, ML5.2(ISK), ML4.5(ATH), MW5.0(USGS), After ATH. NEIC Felt [IV] at Canakkale, [III] at Edirne and [II] at Istanbul, Turkey. Also felt at Ayvalik, Balikesir, Bursa, Buyukcekmece, Corlu, Izmir, Kesan, Luleburgaz, Silivri and Uzunkopru. Felt [III] at Alexandroupolis and [II] at Komotini, Greece. Also felt at Kamariotissa, Myrina, Orestias, Sapai, Souflion and Xanthi. Felt [III] at Plovdiv, Bulgaria. Also felt at Khaskovo and Kurdzhali.

ATH 28 22:58:59.0,40°39'N-25°78E, h35km, 2km, ML4.8  
CSEM 28 22:58:59.0,1,40°38'N-25°79E, h10km, mb5.1/52, Ms4.4, Mw5.1, Error ellipse: s-maj=1.7km s-min=1.2km az=16.0

MOS 28 22:58:00.6,1.1,40°45'N-25°79E, h33km, mb5.1/41, Ms4.7/11, Error ellipse: s-maj=3.3km s-min=2.3km az=115.3

TEH 28 22:59:00.0,40°45'N-25°75E, h12km  
DDA 28 22:59:01.0,40°33'N-26°01E, h3km, M1.5

GCMT 28 22:59:02.7,0.2,40°33'N-25°84E, h12km, MW5.2, Moment Tensor Solution. s55,c80; s99,c186; Moment tensor: Scale 10^19Nm; Mr-1.73z; 15; Mw+1.15z; 14; Mw-2.42z; 14; Mo-0.87z; 37; Mw-6.7z; 11; Mw+1.10z; 36; Best double couple: Mo: 70000x10^16 Np1: 346.00000, 379.00000, 1.10.00000. NP2: 78.00000, 80.00000, 1.169.00000. Principal axes: T: 8.3800, P1g1: 0.0000, Azm21: 2.0000, N: 1.3700, P1g75: 0.0000, Azm1: 0.0000; P-7.0200, P1g15: 0.0000; Azm302: 0.0000; Data Used: II IU IC G CN. Surface waves from 102 sta.

ISC 28 22:58:59.4,0.3,40°37'N-0°10'25.73E, h0km, 0.009, h8km, 2km, h16km, 6km, pp-P, p1, N593, c1915/1801, mb4.9/95, MS4.8/40, 80C-71D, Aegean Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists various stations and their associated data.

Main table with columns: Station Name, Az, Az', Phase ID, Time, Res. Lists stations from OUR to MDNY and their associated data.

Table with columns: Station Name, Az, Az', Phase ID, Time, Res. Lists stations from MDNY to MEV and their associated data.



Table with columns for station name, frequency, power, and other technical details. Includes stations like FEO, CEYT, BUD, UZH, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like CONA, GORS, GUMT, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KHC, WTAA, WATA, etc.

28d 22h

Table with columns for station code, name, frequency, and various performance metrics (e.g., LmV, Lmax, Pn, Pmax, Smax, MLR).

2008 DEC

Table with columns for station code, name, frequency, and various performance metrics (e.g., Pn, Pmax, Smax, MLR).

1280

Table with columns for station code, name, frequency, and various performance metrics (e.g., Pn, Pmax, Smax, MLR).



1281

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like ILAS Lasjerd, QUIF Quistinic, and various other radio stations.

2008 DEC

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like PVIS Viseu, PGAV Gaveira, and various other radio stations.

28d 22h

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like EKS2 SNR=12, EKS2 Erkin-Say, and various other radio stations.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EDRB Edirne, CRLT Corlu, NVR Nevrokopi, etc.

CSEM 28 23:15:25.6.0.1, 40.33N, 25.82E, h2km, MD3.1, Error ellipse: s-maj=2.8km s-min=2.4km az=176.0

ISCJTB 28 23:15:25.3.0.4, 40.34N, 01.25.84E, 0.02, h2km, 3km, Error ellipse: s-maj=2.3km s-min=2.5km az=135.2

DDA 28 23:15:26.2, 40.33N, 25.89E, h3km, 2km, MD3.5, Error ellipse: s-maj=1.8km s-min=0.8km az=98.0

ISC 28 23:15:26.0, 40.33N, 01.25.86E, 0.02, h5km, 3km, n171, a118/251, 10C-11D, Aegean Sea

Main table listing stations and their coordinates. Includes stations like ENEZ Enez, GELI Tayfur-Gelibol, BOZC Bozcaada, ALN Alexandroupoli, etc.

Main table listing stations and their coordinates. Includes stations like SRS Serrai, KCTX Karacabey (Bur), AOS Alonnissos, etc.

Main table listing stations and their coordinates. Includes stations like HUMP Col San Antoni, MTP Monte Pirata, etc.



Table with columns: EVO, PBDV, PBEJ, PVAQ, PVAO, PESTR, EGRO, PMRV, PCBR, PBAR, EBAD, EMIN, MVO, ECAL, EADA, etc. Each row contains station name, coordinates, and other data.

ISCJ 29 01:04:51.35.4, 34.36Sx178.96E, h0km, mb3.9/2, Error ellipse: s-maj=10.1km s-min=5.6km az=169.1

WEL 29 01:05:11.0.7, 35.88Sx178.64E, h197km, 10km, M4.5/19, Error ellipse: s-maj=10.2km s-min=9.2km

NEIC 29 01:05:11.5, 35.86Sx178.66E, h181km, MG4.5(WEL), After WEL

ISCJ 29 01:05:14.4.1, 36.55Sx178.66E, h233km, 8km, mb3.5/2, Error ellipse: s-maj=26.1km s-min=20.5km

ISCJ 29 01:05:15.3.1, 36.55Sx178.66E, h233km, 8km, n98, s069/103, mb3.5/2, Off east coast of North Island

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

Table with columns: MRZ, HOWZ, TMWZ, GWZ, OGWZ, KIW, MTW, MTW, CAW, TRWZ, PAWZ, MSWZ, DUWZ, SNZO, SNZO, PLWZ, BHW, BHW, CFW, CFW, TUWZ, TUWZ, NNZ, NNZ, BSWZ, BSWZ, KHZ, KHZ, DSZ, DSZ, PABR, PABR, PABR, PABR, EBAD, EBAD, EMIN, EMIN, MVO, MVO, ECAL, ECAL, EADA, EADA, etc.

ISCJ 29 01:06:52.5.1, 40.31N, 03:25.80E, 0.08, h6km, 8km, Error ellipse: s-maj=10.1km s-min=5.6km az=169.1

ISCJ 29 01:06:52.7, 40.32N, 25.84E, h10km, MD2.9, Error ellipse: s-maj=4.5km s-min=3.3km az=76.0

ATH 29 01:06:53.0, 41.44N, 26.23E, h28km, 2km, MD3.1/4, Error ellipse: s-maj=10.2km s-min=9.2km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations in the Aegean Sea region.

ISCJ 29 01:12:23.1.0, 38.11N, 03:20.60E, 0.04, h11km, 3km, mb3.7/4, Error ellipse: s-maj=6.2km s-min=3.7km az=44.6

ATH 29 01:12:23.3, 38.18N, 20.66E, h17km, ML3.2, Error ellipse: s-maj=2.7km s-min=0.9km az=199.0

ISCJ 29 01:12:32.6, 1.4, 39.31N, 21.98E, h0km, mb3.6/5, Error ellipse: s-maj=42.3km s-min=24.4km az=125.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations in the Aegean Sea region.

Table with columns: IGT, IGT, IGT, MAKR, MAKR, JAN, JAN, JAN, JAN, AGG, AGG, THAL, THAL, MEV, MEV, KEK, KEK, KEK, KEK, KEK, KEK, KZN, KZN, KZN, KZN, ATH, ATH, LIT, LIT, LIT, LIT, VLY, VLY, VLY, PTL, PTL, PTL, FNA, FNA, FNA, PLG, PLG, PLG, SOH, SOH, SOH, SOH, SOH, SOH, NVR, NVR, NVR, NVR, BOJS, BOJS, BOJS, BOJS, VISS, VISS, HFS, HFS, FINES, FINES, TORO, TORO, MKAR, MKAR, ZALV, ZALV, etc.

ISCJ 29 01:19:14.4, 3.0, 3.89S, 152.69E, h0km, mb3.9/3, Error ellipse: s-maj=3.415km s-min=2.915km az=18.0km

ISCJ 29 01:19:14.4, 3.0, 3.89S, 152.69E, h0km, mb3.9/3, Error ellipse: s-maj=3.415km s-min=2.915km az=18.0km

ISCJ 29 01:19:14.4, 3.0, 3.89S, 152.69E, h0km, mb3.9/3, Error ellipse: s-maj=3.415km s-min=2.915km az=18.0km

ISCJ 29 01:19:14.4, 3.0, 3.89S, 152.69E, h0km, mb3.9/3, Error ellipse: s-maj=3.415km s-min=2.915km az=18.0km

ISCJ 29 01:19:14.4, 3.0, 3.89S, 152.69E, h0km, mb3.9/3, Error ellipse: s-maj=3.415km s-min=2.915km az=18.0km

ISCJ 29 01:19:14.4, 3.0, 3.89S, 152.69E, h0km, mb3.9/3, Error ellipse: s-maj=3.415km s-min=2.915km az=18.0km

ISCJ 29 01:19:14.4, 3.0, 3.89S, 152.69E, h0km, mb3.9/3, Error ellipse: s-maj=3.415km s-min=2.915km az=18.0km

ISCJ 29 01:19:14.4, 3.0, 3.89S, 152.69E, h0km, mb3.9/3, Error ellipse: s-maj=3.415km s-min=2.915km az=18.0km

ISCJ 29 01:19:14.4, 3.0, 3.89S, 152.69E, h0km, mb3.9/3, Error ellipse: s-maj=3.415km s-min=2.915km az=18.0km

ISCJ 29 01:19:14.4, 3.0, 3.89S, 152.69E, h0km, mb3.9/3, Error ellipse: s-maj=3.415km s-min=2.915km az=18.0km

ISCJ 29 01:19:14.4, 3.0, 3.89S, 152.69E, h0km, mb3.9/3, Error ellipse: s-maj=3.415km s-min=2.915km az=18.0km

ISCJ 29 01:19:14.4, 3.0, 3.89S, 152.69E, h0km, mb3.9/3, Error ellipse: s-maj=3.415km s-min=2.915km az=18.0km

ISCJ 29 01:19:14.4, 3.0, 3.89S, 152.69E, h0km, mb3.9/3, Error ellipse: s-maj=3.415km s-min=2.915km az=18.0km

ISCJ 29 01:19:14.4, 3.0, 3.89S, 152.69E, h0km, mb3.9/3, Error ellipse: s-maj=3.415km s-min=2.915km az=18.0km

ISCJ 29 01:19:14.4, 3.0, 3.89S, 152.69E, h0km, mb3.9/3, Error ellipse: s-maj=3.415km s-min=2.915km az=18.0km

ISCJ 29 01:19:14.4, 3.0, 3.89S, 152.69E, h0km, mb3.9/3, Error ellipse: s-maj=3.415km s-min=2.915km az=18.0km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations in the Aegean Sea region.

29d 1h

Table with columns: SART, Tekirdag, 1.10 72 i P, Pb, 01 23 15.8 -1.3, etc.

NEIC 29 01:24:29.9,36:33S:72:98W, h41km, mb4.4/4, After GUC.
GUC 29 01:24:29.9,0.36:33S:72:98W, h41km, mb4.4/4,
ISCBJ 29 01:24:30.0,3.0,36:32S:03:72:96W,0.10, h47km,7km,
mb4.3/10,MS3.8/3,Error ellipse: s-maj=13.0km
s-min=5.2km az=6.7

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

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

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

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

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

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

2008 DEC

Table with columns: MKAR, Makanchi Array, 158.84 53 PKP, PKPdf, 01 44 24.3 -0.4, etc.

NEIC 29 01:38:16.0,0.3, 15:34S:173:30W, h35km, mb4.8/4, Error
ellipse: s-maj=12.0km s-min=9.8km az=147.0
IDC 29 01:38:21.1,0.7, 15:36S:173:22W, h79km,5km, mb4.0/11,
mb1 4.2/11, mb1mx4.1/19, mb1mx4.0/11, MS3.9/12,
Ms1 3.8/12, ms1mx3.6/22, Error ellipse: s-maj=24.4km
s-min=12.5km az=122.0
ISC 29 01:38:18.4,3.9, 15:55.0:11:173.2W,0.11, h57km,38km,
h83km,1.8km;pp-P, n85, o:099/35, mb4.3/13, MS3.9/12,
1.8km

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

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

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

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

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

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

1286

Table with columns: GERES, GESS Array B, 146.23 352 PKPbc, PKPbc, 01 57 52.5 +0.1, etc.

BUIJ 29 01:44:19.0, 49:08N, 155:09E, h60km, mb5.1/3, mb4.4/6
MOS 29 01:44:21.7,0.9, 48:31N:154:34E, h35km, mb5.0/49, Error
ellipse: s-maj=9.6km s-min=5.3km az=94.6
KRSC 29 01:44:23.4,2.8, 47:96N:156:83E, h10km,10km, ML5.0
ISCBJ 29 01:44:23.6,0.6, 48:35N:0:05:154:40E,0.05, h50km,5km,
mb4.7/99, MS3.9/9, Error ellipse: s-maj=9.1km
s-min=4.0km az=147.3
SKHL 29 01:44:23.9,2.1, 48:12N:154:85E, h91km,8km, mb5.2/3,
ms15.9/1

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

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

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

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

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

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





29d 1h

Table of station data for 29d 1h, including columns for station name, frequency, and various parameters like ERF, P, and time.

2008 DEC

Table of station data for 2008 DEC, including columns for station name, frequency, and various parameters like ERF, P, and time.

NNC 29 01:45:52.9-8.5,36:69N\*70:66E, h0km, mb3.7, mpv3.5, 3D, Error ellipse: s-maj=80.3km s-min=67.8km az=35.0, Hindu Kush region

Table of station data for Hindu Kush region, including columns for Code, Station Name, and various parameters.

SKHL 29 01:46:22.5-2.3, 48:05N; 154:72E, h60km, mb5.4/1, ISCBJ 29 01:46:23.5-1.0, 48:27N; 0:08-154:4E:0.1, h74km, 8km, mb4.1/25, Error ellipse: s-maj=17.6km s-min=6.0km az=137.0

NEIC 29 01:46:23.8:1.1, 48:16N; 154:45E, h66km, mb4.1/2, Error ellipse: s-maj=14.7km s-min=7.9km az=140.0, MOS 29 01:46:23.6:0.8, 48:29N; 154:38E, h76km, mb4.3/20, Error ellipse: s-maj=15.0km s-min=8.9km az=70.4

IDC 29 01:46:25.0:2.7, 48:27N; 154:40E, h72km, 24km, mb3.9/23, mb1.4/126, mb1mx4/31, mbtmp3.9/26, MS3.9/5, ms1.3/8.5, ms1mx3.1/35, Error ellipse: s-maj=17.5km s-min=11.6km az=146.0

ISC 29 01:46:25.5:0.9, 48:32N; 0:08-154:4E:0.1, h74km, 7km, n98, e056/97, mb4.1/25, Kuril Islands

Main table of station data for 2008 DEC, including columns for Code, Station Name, Frequency, and various parameters.

1288

Table of station data for 1288, including columns for station name, frequency, and various parameters like ERF, P, and time.

IDC 29 01:54:16.9-49.0, 15:88S; 175:20W, h0km, mb3.9/3, mb1.4/13, mb1mx3.7/15, mbtmp3.9/3, Error ellipse: s-maj=928.8km s-min=179.1km az=78.0, Tonga Islands

Table of station data for Tonga Islands, including columns for Code, Station Name, and various parameters.







29d 3h

Table with columns for station name, frequency, power, and other technical details. Includes stations like KURK Kurchatov, JIRN Jiri, IPAR Pars, and ZALV Zalesovo Beam.

2008 DEC

Table with columns for station name, frequency, power, and other technical details. Includes stations like ZALV Zalesovo Beam, HYB Hyderabad, IAZR Azarshahr, and GUMT Gumushane.

1292

Table with columns for station name, frequency, power, and other technical details. Includes stations like MACK Trabzon, GUMT Gumushane, ILIC ilic-Erzincan, and AKCD Akcad.

















J08A	Circle Bar Ran	100.13	7	U	PdFif	PdFif	03 51 10.2 +0.5	P22A	Eagle	104.34	358	U	PdFif	PdFif	03 51 28.9 +0.5	X23A	Hourglass Bar	109.33	358	U	PKIKP	PKIKP	03 55 53.3 -0.2
I21A	Big Trails, Te	100.14	359	U	PdFif	PdFif	03 51 10.1 +0.3	P21A	Newcastle	104.43	359	U	PdFif	PdFif	03 51 29.6 +0.8	X20A	Quemado	109.41	360	U	PKIKP	PKIKP	03 55 53.7 0.0
HLID	Hailey	100.25	4	U	PdFif	PdFif	03 51 10.7 +0.5	P20A	De Beque	104.46	360	U	PdFif	PdFif	03 51 29.5 +0.6	X18A	Snowcke	109.42	1	U	PKIKP	PKIKP	03 55 53.8 +0.2
I18A	Diamond G Ranc	100.26	1	U	PdFif	PdFif	03 51 10.9 +0.6	P17A	Butcher Ranch,	104.47	1	U	PdFif	PdFif	03 51 29.3 +0.3	PDMC1	Parker Dam,Lak	109.48	5	U	PKIKP	PKIKP	03 55 53.7 -0.1
MFID	Camas Ranch	100.30	5	U	PdFif	PdFif	03 51 11.1 +0.6	P23A	Jefferson	104.53	358	U	PdFif	PdFif	03 51 29.9 +0.6	X16A	Lo Minn Camp, P	109.50	2	U	PKIKP	PKIKP	03 55 53.6 -0.2
J13A	Cove Ranch, Pi	100.42	4	U	PdFif	PdFif	03 51 11.7 +0.7	CBKS	Cedar Bluff	104.67	353	U	PdFif	PdFif	03 51 30.5 +0.6	X19A	St. Johns	109.52	0	U	PKIKP	PKIKP	03 55 53.5 -0.3
SNOW	Snow King Moun	100.48	1	e	PdFif	PdFif	03 51 13.4 +2.1	KSCO	Kaye Shedlock'	104.73	355	U	PdFif	PdFif	03 51 30.7 +0.6	IRM	Iron Mountain	109.55	5	U	PKIKP	PKIKP	03 55 53.8 -0.1
J15A	Blackfoot	100.50	3	U	PdFif	PdFif	03 51 12.6 +1.2	SRU	San Rafael	104.84	1	e	PdFif	PdFif	03 51 32.1 +1.5	BELC	Belle Mtn. Jos	109.64	6	U	PKIKP	PKIKP	03 55 54.1 0.0
J23A	Dilts Ranch, B	100.50	358	U	PdFif	PdFif	03 51 11.3 0.0	SRU	San Rafael	104.84	1	e	PdFif	PdFif	03 51 32.1 +1.5	MSTX	Muleshoe	109.75	355	U	PKIKP	PKIKP	03 55 53.8 -0.5
J22A	Midwest	100.52	358	U	PdFif	PdFif	03 51 11.2 -0.3	Q18A	Rafter H Ranch	104.85	1	U	PdFif	PdFif	03 51 31.4 +0.7	Y27A	Causey	109.86	355	U	PKIKP	PKIKP	03 55 53.9 -0.6
J14A	Carey	100.53	3	U	PdFif	PdFif	03 51 12.2 +0.7	Q26A	Hugo	104.87	356	U	PdFif	PdFif	03 51 31.2 +0.5	Y14A	Wickenburg	109.91	4	U	PKIKP	PKIKP	03 55 54.1 -0.5
J24A	Dixon Ranch, L	100.54	357	U	PdFif	PdFif	03 51 11.9 +0.3	Q25A	Bedland, Calha	104.92	356	U	PdFif	PdFif	03 51 31.5 +0.5	Y25A	Mesa, Roswell	109.92	356	U	PKIKP	PKIKP	03 55 54.4 -0.2
ARMA	Armadale	100.56	120	e	PdFif	PdFif	03 51 11.0 -0.6	Q23A	Hartsel	105.00	358	U	PdFif	PdFif	03 51 32.2 +0.8	MURC	Murrieta	109.92	7	U	PKIKP	PKIKP	03 55 54.7 0.0
J21A	Lysite	100.61	359	U	PdFif	PdFif	03 51 12.4 +0.6	Q20A	Hogan Spring (	105.00	0	U	PdFif	PdFif	03 51 32.1 +0.7	Y24A	Capitan	109.95	357	U	PKIKP	PKIKP	03 55 54.5 -0.2
J20A	Shoshoni	100.61	359	U	PdFif	PdFif	03 51 12.5 +0.7	Q19A	Ridgley Place,	105.00	360	U	PdFif	PdFif	03 51 31.9 +0.6	Y23A	Lovelace Mesa,	109.97	357	U	PKIKP	PKIKP	03 55 54.6 -0.1
J19A	Crowheart	100.70	0	U	PdFif	PdFif	03 51 13.3 +1.1	Q16A	Castle Valley	105.02	2	U	PdFif	PdFif	03 51 32.6 +1.2	PFO	Pinyon Flat Ob	109.99	7	U	PKIKP	PKIKP	03 55 54.8 0.0
SFIN	Scholer Farm	101.00	343	U	PdFif	PdFif	03 51 14.3 +0.8	NVAR	Mina Array Bea	105.03	8	PdFif	PdFif	03 51 32.9 +1.4	Y22A	Socorro	109.99	358	U	PKIKP	PKIKP	03 55 54.5 -0.2	
K27A	Flueckinger Fa	101.03	355	U	PdFif	PdFif	03 51 13.8 +0.1	NVAR	comp=Z,1.6nm,0.7s,baz=7.1,slow=3.8,SNR=22			PdFif	PdFif	03 52 14.8	Y19A	Nitrosio	109.99	0	U	PKIKP	PKIKP	03 55 54.4 -0.4	
K26A	Motz Farm, Whi	101.09	356	U	PdFif	PdFif	03 51 13.9 0.0	NVAR	comp=Z,4.6nm,0.9s,baz=233,slow=0.5,SNR=7.6			PKIKP	PKIKP	03 55 45.1 -0.3	Y12C	Blythe	110.00	5	U	PKIKP	PKIKP	03 55 54.3 -0.5	
K19A	Absolon Red Bu	101.14	360	U	PdFif	PdFif	03 51 14.6 +0.5	NVAR	comp=Z,3.5nm,0.9s,baz=197,slow=6.4,SNR=14			PKKPPbc	PKKPPbc	04 07 12.5 +0.1	BC3	Big Chuckawall	110.03	6	U	PKIKP	PKIKP	03 55 54.7 -0.1	
K23A	Bowen Ranch, D	101.15	358	U	PdFif	PdFif	03 51 14.6 +0.3	NVAR	comp=Z,1.1nm,0.9s,baz=197,slow=2.7,SNR=7.0			PdFif	PdFif	04 15 32.9	Y20A	Horse Springs,	110.04	360	U	PKIKP	PKIKP	03 55 54.9 0.0	
AHD	Auburn Hatcher	101.17	2	e	PdFif	PdFif	03 51 17.4 +3.1	NVAR	Mina Array Bea	105.03	8	PdFif	PdFif	03 51 32.9 +1.4	Y17A	Roosevelt	110.23	2	U	PKIKP	PKIKP	03 55 55.0 -0.2	
BW06	Boulder Array	101.20	0	U	PdFif	PdFif	03 51 14.5 +0.1	NVAR	comp=Z,1.1nm,0.9s,baz=197,slow=2.7,SNR=7.0			e	PdFif	03 52 14.8	Z27A	Tatum	110.43	355	U	PKIKP	PKIKP	03 55 54.9 -0.7	
K15A	Arbon	101.21	3	U	PdFif	PdFif	03 51 15.6 +1.1	NVAR	comp=Z,1.1nm,0.9s,baz=197,slow=2.7,SNR=7.0			PKIKP	PKIKP	03 55 45.1 -0.3	M14A	Wintersburg	110.48	4	U	PKIKP	PKIKP	03 55 55.2 -0.5	
K25A	MacK Ranch, Ha	101.22	356	U	PdFif	PdFif	03 51 15.2 +0.7	NVAR	comp=Z,1.1nm,0.9s,baz=197,slow=2.7,SNR=7.0			PKIKPbc	PKIKPbc	04 07 12.5 +0.1	Z26A	Caprock	110.53	356	U	PKIKP	PKIKP	03 55 55.0 -0.7	
K22A	Casper	101.28	358	U	PdFif	PdFif	03 51 14.7 -0.2	Q22A	Crested Butte,	105.08	358	U	PdFif	PdFif	03 51 32.8 +1.1	Z24A	Sheepen Cayo	110.54	357	U	PKIKP	PKIKP	03 55 55.6 -0.2
K20A	Yellowstone Ra	101.31	360	U	PdFif	PdFif	03 51 15.0 +0.1	Q21A	Lamborn Mesa,	105.12	359	U	PdFif	PdFif	03 51 32.9 +1.1	Z25A	Roswell	110.56	356	U	PKIKP	PKIKP	03 55 55.1 -0.7
K12A	Alcova	101.32	359	U	PdFif	PdFif	03 51 15.2 +0.2	CMB	Columbia Cole	105.17	9	e	PdFif	PdFif	03 51 35.0 +2.9	Z13A	Yuma Proving G	110.61	4	U	PKIKP	PKIKP	03 55 55.1 -0.9
K18A	Toltan Ranch,	101.32	1	U	PdFif	PdFif	03 51 15.3 +0.3	CMB	Columbia Cole	105.17	9	e	PdFif	PdFif	03 51 35.0 +2.9	Z11A	St. Cloud Mine	110.63	359	U	PKIKP	PKIKP	03 55 55.3 -0.7
K14A	Jones Ranch, D	101.32	3	U	PdFif	PdFif	03 51 15.8 +0.8	R11A	Troy Canyon, C	105.36	5	U	PdFif	PdFif	03 51 33.8 +0.8	Z17A	San Clos Hig	110.64	1	U	PKIKP	PKIKP	03 55 55.8 -0.2
L23A	Garrett	101.80	358	U	PdFif	PdFif	03 51 17.2 +0.1	R26A	Arlington	105.49	356	U	PKIKP	PKIKP	03 55 46.2 0.0	Z23A	Rita Site, Whi	110.64	358	U	PKIKP	PKIKP	03 55 55.6 -0.4
L14A	Malta	101.83	3	U	PdFif	PdFif	03 51 18.1 +0.8	R17A	Hanksville Air	105.52	1	U	PKIKP	PKIKP	03 55 46.3 0.0	Z22A	Elephant Butte	110.67	358	U	PKIKP	PKIKP	03 55 55.7 -0.4
L17A	Cokeville	101.84	1	U	PdFif	PdFif	03 51 17.8 +0.5	R13A	O'Grain Ranch,	105.63	4	U	PKIKP	PKIKP	03 55 46.3 -0.2	MONP	Monument Peak	110.70	7	U	PKIKP	PKIKP	03 55 56.1 0.0
L19A	Farson	101.86	0	U	PdFif	PdFif	03 51 18.0 +0.6	R25A	Fountain Ranch	105.69	356	U	PKIKP	PKIKP	03 55 45.8 -0.9	SWSC	Sam W. Stewart	110.71	6	U	PKIKP	PKIKP	03 55 56.0 -0.1
L15A	Malad City	101.90	3	U	PdFif	PdFif	03 51 18.6 +1.1	R22A	Saguache, Gunn	105.70	358	U	PKIKP	PKIKP	03 55 46.3 -0.4	Z20A	Nine Sixteen R	110.83	360	U	PKIKP	PKIKP	03 55 56.1 -0.2
L22A	Ellis Ranch, M	101.90	358	U	PdFif	PdFif	03 51 18.0 +0.5	R23A	Moffat	105.72	357	U	PKIKP	PKIKP	03 55 46.5 -0.1	114A	Black Gap (USA	111.10	4	U	PKIKP	PKIKP	03 55 55.9 -1.0
L16A	Fish Haven	101.92	2	U	PdFif	PdFif	03 51 18.3 +0.7	RTUO	Redvale	105.77	360	U	PKIKP	PKIKP	03 55 46.8 0.0	125A	Gardner Ranch,	111.17	356	U	PKIKP	PKIKP	03 55 56.2 -0.9
BGNE	Belgrade	101.93	352	U	PdFif	PdFif	03 51 17.9 +0.2	MTUM	Mountain Hills	106.06	8	e	PdFif	PdFif	03 51 39.4 +3.3	120A	U Bar Ranch, L	111.40	360	U	PKIKP	PKIKP	03 55 57.2 -0.3
L20A	Wamsutter	101.96	360	U	PdFif	PdFif	03 51 18.3 +0.5	S20A	Disappointment	106.13	360	U	PKIKP	PKIKP	03 55 47.6 +0.1	121A	Cooker Peak, D	111.41	359	U	PKIKP	PKIKP	03 55 57.1 -0.4
L21A	Rawlins	101.99	359	U	PdFif	PdFif	03 51 18.3 +0.3	SDCO	Great Sand Dun	106.15	357	U	PKIKP	PKIKP	03 55 47.6 +0.1	TUC	Tucson	111.61	2	e	PKIKP	PKIKP	03 55 57.9 0.0
L18A	Fontelle, Gr	102.03	1	U	PdFif	PdFif	03 51 19.4 +0.6	SDCO	Great Sand Dun	106.15	357	U	PKIKP	PKIKP	03 51 37.8 +1.4	TUC	Tucson	111.61	2	e	PKIKP	PKIKP	03 55 57.9 0.0
M27A	Reverse DX Ran	102.21	355	U	PdFif	PdFif	03 51 19.4 +0.5	S25A	Roberts Cordova	106.18	356	U	PKIKP	PKIKP	03 55 47.7 +0.1	Z25A	Deer Hill, Car	111.73	356	U	PKIKP	PKIKP	03 55 57.8 -0.3
M26A	McRoberts Ranc	102.32	356	U	PdFif	PdFif	03 51 19.5 +0.1	S24A	4UR Ranch, Cre	106.29	358	U	PKIKP	PKIKP	03 55 47.2 -0.4	227A	Bennet, Jal	111.73	355	U	PKIKP	PKIKP	03 55 57.8 -0.3
M21A	Separation Pea	102.34	359	U	PdFif	PdFif	03 51 20.0 +0.5	S18A	Hurst Farm, Bl	106.26	1	U	PKIKP	PKIKP	03 55 47.6 -0.1	226A	Malaga, Loving	111.73	356	U	PKIKP	PKIKP	03 55 57.3 -0.8
M25A	Palin-Egli Farm	102.40	356	U	PdFif	PdFif	03 51 20.4 +0.6	S21A	Bank Pass	106.29	359	U	PKIKP	PKIKP	03 55 47.9 +0.1	222A	Williams Famil	111.82	358	U	PKIKP	PKIKP	03 55 57.6 -0.6
M24A	Cheyenne	102.41	357	U	PdFif	PdFif	03 51 20.6 +0.8	CCUT	Cedar City	106.29	4	e	PdFif	PdFif	03 51 39.5 +2.4	214A	Organ Pipe Nat	111.89	4	U	PKIKP	PKIKP	03 55 58.3 -0.1
M15A	Larsen Ranch,	102.43	3	U	PdFif	PdFif	03 51 20.9 +1.0	GRAC	Grapevine Rang	106.54	7	U	PKIKP	PKIKP	03 55 48.3 +0.1	218A	Dragon	111.96	1	U	PKIKP	PKIKP	03 55 58.0 -0.5
M23A	Laramie	102.44	358	U	PdFif	PdFif	03 51 20.8 +0.8	T25A	Trinidad	106.70	356	U	PKIKP	PKIKP	03 55 48.9 +0.4	220A	Playas Peak, P	112.04	360	U	PKIKP	PKIKP	03 55 58.3 -0.4
M19A	Rock Springs	102.46	0	U	PdFif	PdFif	03 51 20.8 +0.7	T18A	Mexican Hat	106.82	1	U	PKIKP	PKIKP	03 55 48.5 -0.3	MNTX	Cornudas Mount	112.17	357	U	PKIKP	PKIKP	03 55 58.4 -0.5
M20A	Sweetwater, Wa	102.47	359	U	PdFif	PdFif	03 51 21.2 +1.1	DZM	Mont Dzumac	106.89	105	e	PP	PP	03 55 59.4 -8.8	MNTX	Cornudas Mount	112.17	357	e	PKIKP	PKIKP	03 55 58.8 -0.1
M17A	Scully's Gap (B	102.47	1	U	PdFif	PdFif	03 51 20.9 +0.8	T22A	Edith	106.92	358	U	PKIKP	PKIKP	03 55 48.9 0.0	328A	Wristen Ranch,	112.32	354	U	PKIKP	PKIKP	03 55 58.5 -0.8
M18A	Lyman	102.53	1	U	PdFif	PdFif	03 51 21.3 +1.0	FURC	Furnace Creek,	107.11	7	U	PKIKP	PKIKP	03 55 49.9 +0.6	324A	Mosely Ranch,	112.42	357	U	PKIKP	PKIKP	03 55 58.5 -0.9
M22A	Cedar Creek Ra	102.53	358	U	PdFif	PdFif	03 51 21.6 +0.2	U17A	Shonto	107.34	1	U	PKIKP	PKIKP	03 55 50.3 +0.6	326A	Caldwell Ranch	112.47					



















29d 10h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, WRA Warrungarra Arr, WRA Warrungarra Arr, BRTR Keskinn Array B, CTA Charters Tower, KEST Kesra, PLCA Paso Flores, CPUP Villa Florida, AKTO Aktyubinsk, MKRAR Makanchi Array, URZ Urewera, AKASG Malin Array Be, KURK Kurchatov, KURK Kurchatov, BVAR Borovoye Array, GERES Geres Array B, ZALV Zalesovo Beam, SONMI Songoing Array, HNR Honiara, TBI Tubuai, PPTZ Papeete2, TAOE Nuku Hiva Isla, INK Inuvik, INK Inuvik, ILAR Eielson Array, ILAR Eielson Array, TXAR Lajitas Array, TXAR Lajitas Array.

DDA 29:09:43:38.7, 37.89N:29:23E, h7km, 1km, Md2.8
ISCJB 29:09:43:39.2, 0.5, 37.90N:0.03:29.08E:0.06, h10km, Error
ellip: s-maj=6.7km s-min=3.7km az=177.8

ISCJ 29:09:43:39.2, 0.5, 37.90N:0.03:29.08E:0.06, h10km, MD2.8
CSEM 29:09:43:39.2, 0.5, 37.91N:29.13E, h2km, MD2.6, Error
ellip: s-maj=7.5km s-min=4.1km az=91.0

ISC 29:09:43:39.7, 0.5, 37.91N:0.02:29.11E:0.06, h4km, 15km, n20, c096/31, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DENT Denizli, DENT Denizli, DNZL Cakirokul, DNZL Cakirokul, KHAL Karahalli, KHAL Karahalli, KULA Kula-Manisa, KULA Kula-Manisa, GLHS Gihisar (BURDU), GLHS Gihisar (BURDU), YER Yerkesik, YER Yerkesik, ISP Isparta, ISP Isparta, DEMI Demirci, DEMI Demirci, DEMI Demirci, DEMI Demirci, GDZ Gediz, GDZ Gediz, GDZ Gediz, ELL Elmali, ELL Elmali.

ISCJB 29:10:07:10.6, 3.3, 5.9S:0.2x147.4E:0.1, h78km, 31km, mb3.9/4, Error ellip: s-maj=35.3km s-min=15.4km az=147.7

NEIC 29:10:07:11.8, 2.3, 5.8S:147.46E, h76km, 21km, mb4.2/1, Error ellip: s-maj=29.3km s-min=9.7km az=151.0

ICD 29:10:07:13.3, 5.0, 5.9S:147.54E, h86km, 47km, mb3.8/4, mb1.4/1.6, mb1mx3.7/1.6, mbtrmp3.9/6, ML3.0/2, Error ellip: s-maj=28.3km s-min=13.2km az=132.0

ISC 29:10:07:10.9, 2.6, 5.8S:0.2:147.4E:0.1, h67km, 26km, n19, c088/19, mb3.9/4, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PMG Port Moresby, PMG Port Moresby, PMG Port Moresby, COEN Coen, HNR Honiara, WRAB Tennant Creek, WB2 Warrungarra Arr, WB2 Warrungarra Arr, WRA Warrungarra Arr, ASAR Alice Springs, ASAR Alice Springs, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, STKA Stephens Creek, STKA Stephens Creek, ILAR Eielson Array, ILAR Eielson Array, TORD Torodi Arr, TORD Torodi Arr.

ICD 29:10:13:17.6, 1.7, 6.81S:128.70E, h0km, mb3.6/3, mb1.3/6, mb1mx3.7/1.6, mbtrmp3.5/6, ML3.3/3, Error ellip: s-maj=90.3km s-min=25.1km az=76.0, Banda Sea

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

2008 DEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MKAR Makanchi Array, ZALV Zalesovo Beam, KURK Kurchatov.

JMA 29:10:13:25.7, 34.89N:137.99E, h18km, 1km, M2.6, 1C-1D Broadband fault plane solution: waves: NP1: e=152.00000, r=346.00000, t=46.00000. Principal axes: T Plg33.00000, Azm5.00000, N Plg46.00000, Azm233.00000; P Plg26.00000, Azm113.00000; Near south coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JKKG Kakegawa, JHMK Hamakita, JHMK Hamakita, HMMU Hamamatsu 2, SHZ3 Shizuoka 3, MAT Matsushiro, MAT Matsushiro.

ISCJB 29:10:17:03.7, 0.6, 14.35N:0.05:93.39W:0.03, h33km, mb3.6/4, Error ellip: s-maj=7.0km s-min=4.1km az=9.6

MEX 29:10:17:03.7, 1.1, 14.21N:93.35W, h16km, 20km, MD4.4, IDC 29:10:17:09.0, 0.2, 14.25N:93.15W, h49km, 21km, mb3.5/4, mb1.3/9.7, mb1mx3.6/2.3, mbtrmp3.6/7, ML3.9/4, MS3.0/2, Ms1.3/0.2, ms1mx2.6/2.6, Error ellip: s-maj=3.8km s-min=16.6km az=26.0

NEIC 29:10:17:09.6, 1.7, 14.73N:93.06W, h52km, 16km, Error ellip: s-maj=31.6km s-min=10.6km az=220.0

ISC 29:10:17:05.8, 0.7, 14.40N:0.05:93.17W:0.03, h35km, n33, c1932/45, mb3.6/4, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like THIG THIG, THIG THIG, PCIG PCIG, PCIG PCIG, CGIG Comitan, CGIG Comitan, TGIG TGIG, HUIG Huatulco, HUIG Huatulco, CMIG Matias Romero, CMIG Matias Romero.

CMIG 12nm, 0.3s, baz=148, slow=13, SNR=5.5

CMIG Matias Romero 3.08 331 P Pn 10 17 52.0 +0.1

CMIG Matias Romero 3.08 331 P Pn 10 17 52.0 +0.1

CMIG Matias Romero 3.08 331 P Pn 10 17 52.0 +0.1

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CMIG Matias Romero 3.08 331 P Pn 10 17 52.0 +0.1

CMIG Matias Romero 3.08 331 P Pn 10 17 52.0 +0.1

1308

Table with columns: ALT, Altintas, 1.36, 30, ePn, Pg, 10 18 29.8 +0.2

ISK 29:10:42:10.9, 37.89N:29.18E, h17km, MD2.7
ISCJB 29:10:42:11.5, 0.5, 37.90N:0.02:29.17E:0.06, h11km, 9km, Error ellip: s-maj=7.4km s-min=4.2km az=0.2
DDA 29:10:42:11.3, 0.2, 37.90N:29.23E, h3km, 3km, Md2.8
CSEM 29:10:42:11.3, 0.2, 37.90N:29.17E, h10km, MD2.7, Error ellip: s-maj=5.5km s-min=3.1km az=95.0

ISC 29:10:42:11.8, 0.6, 37.90N:0.03:29.17E:0.06, h13km, 8km, n15, c087132, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DENT Denizli, DENT Denizli, DNZL Cakirokul, DNZL Cakirokul, KHAL Karahalli, KHAL Karahalli, KHAL Karahalli, GOLH Golhisar, GOLH Golhisar, KULA Kula-Manisa, KULA Kula-Manisa, KULA Kula-Manisa, GLHS Gihisar (BURDU), GLHS Gihisar (BURDU), YER Yerkesik, YER Yerkesik, YER Yerkesik, GDZ Gediz, GDZ Gediz, GDZ Gediz.

ISCJB 29:10:45:12.6, 0.7, 24.54N:0.04:122.74E:0.02, h94km, 7km, Error ellip: s-maj=6.9km s-min=3.2km az=176.5

JMA 29:10:45:12.4, 0.2, 24.80N:122.78E, h91km, 3km, M2.2
TAP 29:10:45:12.3, 24.61N:122.68E, h103km, ML3.4, C
ISC 29:10:45:13.1, 0.7, 24.54N:0.04:122.74E:0.02, h92km, 7km, n35, c070/66, Taiwan region

YON Yonaguni jima 0.26 106 P Pn 10 45 26.6 0.0

YON Yonaguni jima 0.26 106 P Pn 10 45 26.6 0.0

TWC Suao 0.81 275 P Pn 10 45 30.4 -0.5

TWC Suao 0.81 275 P Pn 10 45 30.4 -0.5

ENA Nanau 0.91 263 P Pn 10 45 33.2 0.0

ENA Nanau 0.91 263 P Pn 10 45 33.2 0.0

ENA Nanau 0.91 263 P Pn 10 45 33.2 0.0

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ENA Nanau 0.91 263 P Pn 10 45 33.2 0.0



29d 12h

Table of astronomical observations for 29d 12h, listing stations (RES, YKA, BVAR, etc.), object names (Resolute Bay, Yellowknife Arr, etc.), coordinates, and various parameters like SNR and error margins.

2008 DEC

Table of astronomical observations for 2008 DEC, listing stations (HAU, TUE, FLN, etc.), object names (Haudompre, Stuetta, etc.), coordinates, and various parameters like SNR and error margins.

1310

Table of astronomical observations for 1310, listing stations (KULM, ODAN, JIRN, etc.), object names (Kulim, Odare, etc.), coordinates, and various parameters like SNR and error margins.

Technical notes and data for the 2008 DEC observations, including coordinates (e.g., 12:11:43.9, 0:6:11.1), object names (h0kM, mb4.2/20), and observation details like SNR and error margins.

Table with columns: Code, Station Name, Azimuth, Altitude, Phase, ID, Time, Res, and ISC. It lists various stations and their corresponding observation parameters.



Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like LZH, ABKAR, BR131, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like MJAR, NOA, ARCES, etc.

NNC 29 12:50:10.3s, 5.8, 40.1'2N: 71.94E, h0km, mb3.7, mpv3.5, Error ellipse: s-maj=56.6km s-min=24.9km az=174.0

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like AML, UCH, EKS2, etc.

ISCJB 29 12:54:43.9s, 1.1, 32.2'2N: 0.2-40.3'W: 0.1, h10km, mb3.8/13, MS3.6/7, Error ellipse: s-maj=33.5km s-min=14.1km az=1.7

ISC 29 12:54:44.2s, 1.4, 32.2'2N: 40.2'W: h0km, mb3.8/13, mb1.4, 0.1/13, mb1mx3.9/27, mbtmp3.8/13, MS3.6/7, Ms1.3, 6/7, ms1mx3.3/29, Error ellipse: s-maj=42.4km s-min=16.1km az=1.0

NEIC 29 12:54:45.5s, 0.8, 32.1'6N: 40.2'W: h10km, Error ellipse: s-maj=24.0km s-min=10.0km az=181.0

ISC 29 12:54:45.8s, 1.1, 32.2'2N: 0.2-40.2'W: 0.1, h10km, n30, 0.45/27, mb3.8/13, MS3.6/7, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like BBTs, DBIC, TOR, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like CAIG, ACX, MEIG, etc.

IDC 29 13:09:20.1s, 5.3, 24.0'5S: 179.82E, h495km, 61km, mb3.1/5, mb1.3, 5/6, mb1mx3.2/15, mbtmp3.1/6, Error ellipse: s-maj=35.5km s-min=25.4km az=4.0

ISCJB 29 13:09:21.2s, 1.3, 24.1'4S: 145.0'08: 179.8E: 0.1, h521km, 16km, mb3.7/6, Error ellipse: s-maj=19.6km s-min=13.0km az=8.7

NEIC 29 13:09:22.0s, 1.1, 24.1'3S: 179.87E, h523km, 13km, mb4.6/1, Error ellipse: s-maj=18.7km s-min=14.5km az=139.0

ISC 29 13:09:21.4s, 1.2, 24.2'6S: 0.08: 179.9E: 0.1, h517km, 15km, n23, 0.99/20, mb3.7/6, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like MSVF, DZM, URZ, etc.

IDC 29 13:18:33.7s, 6.4, 23.2'9S: 178.42W, h0km, mb3.8/3, mb1.3, 9/3, mb1mx3.6/15, mbtmp3.8/3, Error ellipse: s-maj=180.5km s-min=101.6km az=145.0, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like STKA, ASAR, WRA, etc.

ISCJB 29 13:19:47.8s, 0.6, 37.9'0N: 0.03-29.2'1E: 0.06, h10km, 8km, Error ellipse: s-maj=7.8km s-min=4.7km az=20.5

CSEM 29 13:19:47.6s, 0.2, 37.9'0N: 29.22E, h10km, MD2.7, Error ellipse: s-maj=6.6km s-min=4.2km az=104.0

DDA 29 13:19:47.6, 37.9'0N: 29.22E, h7km, km2, Md2.7

ISC 29 13:19:48.0s, 0.6, 37.9'1N: 0.03-29.18E: 0.05, h12km, 12km, n16, 0.67/28, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like DENT, DENIZ, DNZL, etc.

ISCJB 29 13:41:41.8s, 0.5, 40.3'5N: 0.02-25.8'6E: 0.03, h4km, 4km, Error ellipse: s-maj=3.7km s-min=3.1km az=144.4

SOF 29 13:41:41.1, 40.3'4N: 25.65E, h2km, MD2.7

DDA 29 13:41:41.8, 40.3'6N: 25.87E, h30km, 3km, Md3.1

THE 29 13:41:42.4, 40.3'6N: 25.83E, h2km, 7km, ML2.4/4, Error ellipse: s-maj=7.8km s-min=0.4km az=47.0

CSEM 29 13:41:42.4s, 0.1, 40.3'5N: 25.85E, h10km, MD3.1, Error ellipse: s-maj=3.7km s-min=3.0km az=26.0

ISC 29 13:41:42.5, 40.3'5N: 25.94E, h6km, MD3.1

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like ENEZ, GELI, BOZC, etc.



1313

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like LPaz La Paz, CFAA Coronel Fontan, CFAA comp=N,0.8nm,0.3s, etc.

2008 DEC

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like 222A Williams Family, Z24A Sheppan Canyon, Y25A Mesa, Roswell, etc.

29d 14h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like V19A Window Rock, R21A Sanders Place, T21A Navajo Lake, etc.















29d 18h

Table with columns for station name, frequency, power, and other technical details. Includes stations like AKASG Malin Array Be, DOPR Dopca, and GRES GRESS Array B.

2008 DEC

Table with columns for station name, frequency, power, and other technical details. Includes stations like KHC Kasperske Hory, WTTA Wattenberg, and GRES GRESS Array B.

1320

Table with columns for station name, frequency, power, and other technical details. Includes stations like BGF Lormes, LOR Lormes, and GRES GRESS Array B.

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC. Includes stations like INK1, INK2, ILAR, YKA, YKA2, YKA3, YKA4, YKA5, YKA6, YKA7, YKA8, YKA9, YKA10, YKA11, YKA12, YKA13, YKA14, YKA15, YKA16, YKA17, YKA18, YKA19, YKA20, YKA21, YKA22, YKA23, YKA24, YKA25, YKA26, YKA27, YKA28, YKA29, YKA30, YKA31, YKA32, YKA33, YKA34, YKA35, YKA36, YKA37, YKA38, YKA39, YKA40, YKA41, YKA42, YKA43, YKA44, YKA45, YKA46, YKA47, YKA48, YKA49, YKA50, YKA51, YKA52, YKA53, YKA54, YKA55, YKA56, YKA57, YKA58, YKA59, YKA60, YKA61, YKA62, YKA63, YKA64, YKA65, YKA66, YKA67, YKA68, YKA69, YKA70, YKA71, YKA72, YKA73, YKA74, YKA75, YKA76, YKA77, YKA78, YKA79, YKA80, YKA81, YKA82, YKA83, YKA84, YKA85, YKA86, YKA87, YKA88, YKA89, YKA90, YKA91, YKA92, YKA93, YKA94, YKA95, YKA96, YKA97, YKA98, YKA99, YKA100.

ISCJB 29 19:04:19.8.0.8, 30.174S, 0.05:179.37W, 0.1, h194km, 9km, mb3.8/6, Error ellipse: s-maj=18.5km s-min=8.1km az=9.4 NEIC 29 19:04:22.0.0.8, 30.25S, 178.90W, h224km, 9km, mb4.5/2, Error ellipse: s-maj=16.4km s-min=12.0km az=107.0 IDC 29 19:04:24.2.4.2, 30.11S, 178.97W, h241km, 33km, mb3.5/5, mb1.3/6.5, mb1mx3.4/15, mbtmp3.5/5, Error ellipse: s-maj=36.2km s-min=26.1km az=157.0

ISC 29 19:04:20.7.0.8, 30.48S, 0.05:179.2W, 0.1, h188km, 9km, n72, e096/37, mb4.0/6, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC. Includes stations like RAO, PUZ, MWZ, URZ, URZ2, URZ3, URZ4, URZ5, URZ6, URZ7, URZ8, URZ9, URZ10, URZ11, URZ12, URZ13, URZ14, URZ15, URZ16, URZ17, URZ18, URZ19, URZ20, URZ21, URZ22, URZ23, URZ24, URZ25, URZ26, URZ27, URZ28, URZ29, URZ30, URZ31, URZ32, URZ33, URZ34, URZ35, URZ36, URZ37, URZ38, URZ39, URZ40, URZ41, URZ42, URZ43, URZ44, URZ45, URZ46, URZ47, URZ48, URZ49, URZ50, URZ51, URZ52, URZ53, URZ54, URZ55, URZ56, URZ57, URZ58, URZ59, URZ60, URZ61, URZ62, URZ63, URZ64, URZ65, URZ66, URZ67, URZ68, URZ69, URZ70, URZ71, URZ72, URZ73, URZ74, URZ75, URZ76, URZ77, URZ78, URZ79, URZ80, URZ81, URZ82, URZ83, URZ84, URZ85, URZ86, URZ87, URZ88, URZ89, URZ90, URZ91, URZ92, URZ93, URZ94, URZ95, URZ96, URZ97, URZ98, URZ99, URZ100.

IDC 29 19:01:21.9.1.4, 61.93N, 150.86W, h48km, 20km, mb3.3/4, mb1.3/5.7, mb1mx3.3/25, mbtmp3.3/7, ML2.9/3, Error ellipse: s-maj=27.7km s-min=10.1km az=109.0

ISCJB 29 19:02:24.0.3, 61.91N, 150.64W, 0.06, h76km, 3km, mb3.9/6, Error ellipse: s-maj=4.4km s-min=4.1km az=33.3

NEIC 29 19:02:45.6, 61.91N, 150.67W, h60km, ML3.5(PMR), ML3.2(AEIC), After AIC.

ISC 29 19:02:23.6.0.3, 61.90N, 150.65W, 0.05, h68km, 4km, n65, e096/75, mb3.9/6, Southern Alaska

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC. Includes stations like SKT, SKT2, SKT3, SKT4, SKT5, SKT6, SKT7, SKT8, SKT9, SKT10, SKT11, SKT12, SKT13, SKT14, SKT15, SKT16, SKT17, SKT18, SKT19, SKT20, SKT21, SKT22, SKT23, SKT24, SKT25, SKT26, SKT27, SKT28, SKT29, SKT30, SKT31, SKT32, SKT33, SKT34, SKT35, SKT36, SKT37, SKT38, SKT39, SKT40, SKT41, SKT42, SKT43, SKT44, SKT45, SKT46, SKT47, SKT48, SKT49, SKT50, SKT51, SKT52, SKT53, SKT54, SKT55, SKT56, SKT57, SKT58, SKT59, SKT60, SKT61, SKT62, SKT63, SKT64, SKT65, SKT66, SKT67, SKT68, SKT69, SKT70, SKT71, SKT72, SKT73, SKT74, SKT75, SKT76, SKT77, SKT78, SKT79, SKT80, SKT81, SKT82, SKT83, SKT84, SKT85, SKT86, SKT87, SKT88, SKT89, SKT90, SKT91, SKT92, SKT93, SKT94, SKT95, SKT96, SKT97, SKT98, SKT99, SKT100.

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC. Includes stations like SML, SML2, SML3, SML4, SML5, SML6, SML7, SML8, SML9, SML10, SML11, SML12, SML13, SML14, SML15, SML16, SML17, SML18, SML19, SML20, SML21, SML22, SML23, SML24, SML25, SML26, SML27, SML28, SML29, SML30, SML31, SML32, SML33, SML34, SML35, SML36, SML37, SML38, SML39, SML40, SML41, SML42, SML43, SML44, SML45, SML46, SML47, SML48, SML49, SML50, SML51, SML52, SML53, SML54, SML55, SML56, SML57, SML58, SML59, SML60, SML61, SML62, SML63, SML64, SML65, SML66, SML67, SML68, SML69, SML70, SML71, SML72, SML73, SML74, SML75, SML76, SML77, SML78, SML79, SML80, SML81, SML82, SML83, SML84, SML85, SML86, SML87, SML88, SML89, SML90, SML91, SML92, SML93, SML94, SML95, SML96, SML97, SML98, SML99, SML100.

NEIC 29 19:14:49.0, 44.52N, 110.37W, h2km, ML3.1(SLC), After SLC.

ISCJB 29 19:14:50.1, 44.51N, 110.37W, 0.02, h10km, Error ellipse: s-maj=2.0km s-min=1.8km az=155.7

ISC 29 19:14:50.4, 44.51N, 110.38W, 0.02, h10km, n92, e110/119, 41C-40D, Yellowstone region

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC. Includes stations like LWKY, H17A, H17B, H17C, H17D, H17E, H17F, H17G, H17H, H17I, H17J, H17K, H17L, H17M, H17N, H17O, H17P, H17Q, H17R, H17S, H17T, H17U, H17V, H17W, H17X, H17Y, H17Z, H17AA, H17AB, H17AC, H17AD, H17AE, H17AF, H17AG, H17AH, H17AI, H17AJ, H17AK, H17AL, H17AM, H17AN, H17AO, H17AP, H17AQ, H17AR, H17AS, H17AT, H17AU, H17AV, H17AW, H17AX, H17AY, H17AZ, H17BA, H17BB, H17BC, H17BD, H17BE, H17BF, H17BG, H17BH, H17BI, H17BJ, H17BK, H17BL, H17BM, H17BN, H17BO, H17BP, H17BQ, H17BR, H17BS, H17BT, H17BU, H17BV, H17BW, H17BX, H17BY, H17BZ, H17CA, H17CB, H17CC, H17CD, H17CE, H17CF, H17CG, H17CH, H17CI, H17CJ, H17CK, H17CL, H17CM, H17CN, H17CO, H17CP, H17CQ, H17CR, H17CS, H17CT, H17CU, H17CV, H17CW, H17CX, H17CY, H17CZ, H17DA, H17DB, H17DC, H17DD, H17DE, H17DF, H17DG, H17DH, H17DI, H17DJ, H17DK, H17DL, H17DM, H17DN, H17DO, H17DP, H17DQ, H17DR, H17DS, H17DT, H17DU, H17DV, H17DW, H17DX, H17DY, H17DZ, H17EA, H17EB, H17EC, H17ED, H17EE, H17EF, H17EG, H17EH, H17EI, H17EJ, H17EK, H17EL, H17EM, H17EN, H17EO, H17EP, H17EQ, H17ER, H17ES, H17ET, H17EU, H17EV, H17EW, H17EX, H17EY, H17EZ, H17FA, H17FB, H17FC, H17FD, H17FE, H17FF, H17FG, H17FH, H17FI, H17FJ, H17FK, H17FL, H17FM, H17FN, H17FO, H17FP, H17FQ, H17FR, H17FS, H17FT, H17FU, H17FV, H17FW, H17FX, H17FY, H17FZ, H17GA, H17GB, H17GC, H17GD, H17GE, H17GF, H17GG, H17GH, H17GI, H17GJ, H17GK, H17GL, H17GM, H17GN, H17GO, H17GP, H17GQ, H17GR, H17GS, H17GT, H17GU, H17GV, H17GW, H17GX, H17GY, H17GZ, H17HA, H17HB, H17HC, H17HD, H17HE, H17HF, H17HG, H17HH, H17HI, H17HJ, H17HK, H17HL, H17HM, H17HN, H17HO, H17HP, H17HQ, H17HR, H17HS, H17HT, H17HU, H17HV, H17HW, H17HX, H17HY, H17HZ, H17IA, H17IB, H17IC, H17ID, H17IE, H17IF, H17IG, H17IH, H17II, H17IJ, H17IK, H17IL, H17IM, H17IN, H17IO, H17IP, H17IQ, H17IR, H17IS, H17IT, H17IU, H17IV, H17IW, H17IX, H17IY, H17IZ, H17JA, H17JB, H17JC, H17JD, H17JE, H17JF, H17JG, H17JH, H17JI, H17JJ, H17JK, H17JL, H17JM, H17JN, H17JO, H17JP, H17JQ, H17JR, H17JS, H17JT, H17JU, H17JV, H17JW, H17JX, H17JY, H17JZ, H17KA, H17KB, H17KC, H17KD, H17KE, H17KF, H17KG, H17KH, H17KI, H17KJ, H17KK, H17KL, H17KM, H17KN, H17KO, H17KP, H17KQ, H17KR, H17KS, H17KT, H17KU, H17KV, H17KW, H17KX, H17KY, H17KZ, H17LA, H17LB, H17LC, H17LD, H17LE, H17LF, H17LG, H17LH, H17LI, H17LJ, H17LK, H17LL, H17LM, H17LN, H17LO, H17LP, H17LQ, H17LR, H17LS, H17LT, H17LU, H17LV, H17LW, H17LX, H17LY, H17LZ, H17MA, H17MB, H17MC, H17MD, H17ME, H17MF, H17MG, H17MH, H17MI, H17MJ, H17MK, H17ML, H17MN, H17MO, H17MP, H17MQ, H17MR, H17MS, H17MT, H17MU, H17MV, H17MW, H17MX, H17MY, H17MZ, H17NA, H17NB, H17NC, H17ND, H17NE, H17NF, H17NG, H17NH, H17NI, H17NJ, H17NK, H17NL, H17NM, H17NO, H17NP, H17NQ, H17NR, H17NS, H17NT, H17NU, H17NV, H17NW, H17NX, H17NY, H17NZ, H17OA, H17OB, H17OC, H17OD, H17OE, H17OF, H17OG, H17OH, H17OI, H17OJ, H17OK, H17OL, H17OM, H17ON, H17OO, H17OP, H17OQ, H17OR, H17OS, H17OT, H17OU, H17OV, H17OW, H17OX, H17OY, H17OZ, H17PA, H17PB, H17PC, H17PD, H17PE, H17PF, H17PG, H17PH, H17PI, H17PJ, H17PK, H17PL, H17PM, H17PN, H17PO, H17PP, H17PQ, H17PR, H17PS, H17PT, H17PU, H17PV, H17PW, H17PX, H17PY, H17PZ, H17QA, H17QB, H17QC, H17QD, H17QE, H17QF, H17QG, H17QH, H17QI, H17QJ, H17QK, H17QL, H17QM, H17QN, H17QO, H17QP, H17QQ, H17QR, H17QS, H17QT, H17QU, H17QV, H17QW, H17QX, H17QY, H17QZ, H17RA, H17RB, H17RC, H17RD, H17RE, H17RF, H17RG, H17RH, H17RI, H17RJ, H17RK, H17RL, H17RM, H17RN, H17RO, H17RP, H17RQ, H17RR, H17RS, H17RT, H17RU, H17RV, H17RW, H17RX, H17RY, H17RZ, H17SA, H17SB, H17SC, H17SD, H17SE, H17SF, H17SG, H17SH, H17SI, H17SJ, H17SK, H17SL, H17SM, H17SN, H17SO, H17SP, H17SQ, H17SR, H17SS, H17ST, H17SU, H17SV, H17SW, H17SX, H17SY, H17SZ, H17TA, H17TB, H17TC, H17TD, H17TE, H17TF, H17TG, H17TH, H17TI, H17TJ, H17TK, H17TL, H17TM, H17TN, H17TO, H17TP, H17TQ, H17TR, H17TS, H17TT, H17TU, H17TV, H17TW, H17TX, H17TY, H17TZ, H17UA, H17UB, H17UC, H17UD, H17UE, H17UF, H17UG, H17UH, H17UI, H17UJ, H17UK, H17UL, H17UM, H17UN, H17UO, H17UP, H17UQ, H17UR, H17US, H17UT, H17UU, H17UV, H17UW, H17UX, H17UY, H17UZ, H17VA, H17VB, H17VC, H17VD, H17VE, H17VF, H17VG, H17VH, H17VI, H17VJ, H17VK, H17VL, H17VM, H17VN, H17VO, H17VP, H17VQ, H17VR, H17VS, H17VT, H17VU, H17VV, H17VW, H17VX, H17VY, H17VZ, H17WA, H17WB, H17WC, H17WD, H17WE, H17WF, H17WG, H17WH, H17WI, H17WJ, H17WK, H17WL, H17WM, H17WN, H17WO, H17WP, H17WQ, H17WR, H17WS, H17WT, H17WU, H17WV, H17WW, H17WX, H17WY, H17WZ, H17XA, H17XB, H17XC, H17XD, H17XE, H17XF, H17XG, H17XH, H17XI, H17XJ, H17XK, H17XL, H17XM, H17XN, H17XO, H17XP, H17XQ, H17XR, H17XS, H17XT, H17XU, H17XV, H17XW, H17XX, H17XY, H17XZ, H17YA, H17YB, H17YC, H17YD, H17YE, H17YF, H17YG, H17YH, H17YI, H17YJ, H17YK, H17YL, H17YM, H17YN, H17YO, H17YP, H17YQ, H17YR, H17YS, H17YT, H17YU, H17YV, H17YW, H17YX, H17YY, H17YZ, H17ZA, H17ZB, H17ZC, H17ZD, H17ZE, H17ZF, H17ZG, H17ZH, H17ZI, H17ZJ, H17ZK, H17ZL, H17ZM, H17ZN, H17ZO, H17ZP, H17ZQ, H17ZR, H17ZS, H17ZT, H17ZU, H17ZV, H17ZW, H17ZX, H17ZY, H17ZZ.

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC. Includes stations like G20A, H20A, H20A2, I20A, I20A2, DLMT, MCMT, K17A, AHD1, AHD2, AHD3, AHD4, AHD5, AHD6, AHD7, AHD8, AHD9, AHD10, AHD11, AHD12, AHD13, AHD14, AHD15, AHD16, AHD17, AHD18, AHD19, AHD20, AHD21, AHD22, AHD23, AHD24, AHD25, AHD26, AHD27, AHD28, AHD29, AHD30, AHD31, AHD32, AHD33, AHD34, AHD35, AHD36, AHD37, AHD38, AHD39, AHD40, AHD41, AHD42, AHD43, AHD44, AHD45, AHD46, AHD47, AHD48, AHD49, AHD50, AHD51, AHD52, AHD53, AHD54, AHD55, AHD56, AHD57, AHD58, AHD59, AHD60, AHD61, AHD62, AHD63, AHD64, AHD65, AHD66, AHD67, AHD68, AHD69, AHD70, AHD71, AHD72, AHD73, AHD74, AHD75, AHD76, AHD77, AHD78, AHD79, AHD80, AHD81, AHD82, AHD83, AHD84, AHD85, AHD86, AHD87, AHD88, AHD89, AHD90, AHD91, AHD92, AHD93, AHD94, AHD95, AHD96, AHD97, AHD98, AHD99, AHD100.

CSEM 29 19:27:25.7, 0.3, 39.07N, 41.81E, h2km, MD3.3, Error ellipse: s-maj=8.6km s-min=6.2km az=6.0

ISK 29 19:27:25.9, 39.03N, 41.91E, h12km, MD3.0

ISCJB 29 19:27:26.1, 0.5, 39.07N, 41.88E, 0.03, h10km, Error ellipse: s-maj=4.0km s-min=3.7km az=1.6

DDA 29 19:27:26.2, 39.09N, 41.89E, h7km, 5km, MD3.3

ISC 29 19:27:26.6, 0.3, 39.07N, 41.86E, 0.04, h6km, 9km, n20, e114/33, Turkey

Table with columns: Code, Station Name, Az, Az2, Op, Phase ID, Time, Res, ISC. Includes stations like TUTA, ERZM, ERZM2, ERZM3, ERZM4, ERZM5, ERZM6, ERZM7, ERZM8, ERZM9, ERZM10, ERZM11, ERZM12, ERZM13, ERZM14, ERZM15, ERZM16, ERZM17, ERZM18, ERZM19, ERZM20, ERZM21, ERZM22, ERZM23, ERZM24, ERZM25, ERZM26, ERZM27, ERZM28, ERZM29, ERZM30, ERZM31, ERZM32, ERZM33, ERZM34, ERZM35, ERZM36, ERZM37, ERZM38, ERZM39, ERZM40, ERZM41, ERZM42, ERZM43, ERZM44, ERZM45, ERZM46, ERZM47, ERZM48, ERZM49, ERZM50, ERZM51, ERZM52, ERZM53, ERZM54, ERZM55, ERZM56, ERZM57, ERZM58, ERZM59, ERZM60, ERZM61, ERZM62, ERZM63, ERZM64, ERZM65, ERZM66, ERZM67, ERZM68, ERZM69, ERZM70, ERZM71, ERZM72, ERZM73, ERZM74, ERZM75, ERZM76, ERZM77, ERZM78, ERZM79, ERZM80, ERZM81, ERZM82, ERZM83, ERZM84, ERZM85, ERZM86, ERZM87, ERZM88, ERZM89, ERZM90, ERZM91, ERZM92, ERZM93, ERZM94, ERZM95, ERZM96, ERZM97, ERZM98, ERZM99, ERZM100.









ISCJB 29 22:46:28.9.0.6, 39.50N, 0103.340E, 0.04, h14km, 11km, Error ellipse: s-maj=5.5km s-min=4.7km az=164.4

comp=Z,115nm,19.9s, bsz=180,slow=32 CM31 Chiang Mai Arr 57.87 41 eP P 23 37 13.6 +0.4

SDLR Sedolivna 5.72 28 P Pn 23 38 09.5 -1.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KAMT Kaman, BBAL Bala, AFAR Af-ar-Bala, etc.

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

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

IDC 29 23:12:18.9.19.0, 18.30S, 175.22W, h136km, 161km, mb3.8/7, mb1 4.0/7, mb1 3.7/18, mbmp3.8/7, Error ellipse: s-maj=120.7km s-min=52.9km az=138.0

DJA 29 23:34:58.275S, 139.88E, h10km, MLV3.8/3, Near north coast of Irian Jaya

SONM Songino Array 31.66 287 P P 23 43 05.4 0.0

NEIC 29 23:12:31.3.2.2, 18.69S, 175.30W, h255km, 16km, mb4.1/4, Error ellipse: s-maj=23.3km s-min=16.9km az=111.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JAY Jayapura, SMPI Sarmi, WAMI Wamena, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TLY Talaya, COLD Coldfoot, MCK McKinley, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MSVF Nonsavu, URZ Urewera, ARMA Armadale, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ILAR Eielson Array, ILAR Eielson Array, CMAR Chiang Mai Arr, etc.

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

ISCJB 29 23:19:00.0.0.7, 37.87N, 0103.292E, 0.06, h10km, Error ellipse: s-maj=7.5km s-min=3.4km az=28.7

ISC 29 23:36:44.6.3.0, 48.03N, 155.79E, h10km, 10km, ML4.8

ILAR Eielson Array 34.78 40 P P 23 43 31.9 -0.5

DDA 29 23:19:59.6, 37.88N, 0103.292E, h10km, 2km, Md2.7

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SKR Severo-Kuril's, SKR Severo-Kuril's, SKR Severo-Kuril's, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like EGAK Eagle, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

CSEM 29 23:19:59.6, 0.3, 37.87N, 29.27E, h5km, Md2.6, Error ellipse: s-maj=7.0km s-min=3.4km az=121.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SKR Severo-Kuril's, SKR Severo-Kuril's, SKR Severo-Kuril's, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like EGAK Eagle, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

ISC 29 23:20:00.1, 37.93N, 29.15E, h19km, Md2.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SKR Severo-Kuril's, SKR Severo-Kuril's, SKR Severo-Kuril's, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like EGAK Eagle, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

ISC 29 23:20:00.2, 0.8, 37.88N, 0103.292E, 0.07, h12km, 11km, n18, e060/32, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SKR Severo-Kuril's, SKR Severo-Kuril's, SKR Severo-Kuril's, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like EGAK Eagle, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DENT Denizli, DNZL Cakirokul, DNZL Cakirokul, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SKR Severo-Kuril's, SKR Severo-Kuril's, SKR Severo-Kuril's, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like EGAK Eagle, ZALV Zalesovo Beam, ZALV Zalesovo Beam, etc.

ISCJB 29 23:27:19.1.0.8, 28.2S, 02.63E, 0.2, h10km, mb4.2/12, MS3.7/2, Error ellipse: s-maj=28.4km s-min=15.6km az=33.1

IDC 29 23:27:19.2.1.2, 28.21S, 02.63E, h10km, mb4.1/9, mb1 4.3/9, mb1mx4.1/21, mbmp4.1/9, MS3.5/3, Ms1 3.5/3, ms1mx3.1/26, Error ellipse: s-maj=43.5km s-min=22.7km az=33.0

BRVK Borovoye Array 50.54 309 P P 23 45 39.3 -0.8

NEIC 29 23:27:20.9.0.5, 28.20S, 02.63E, h10km, mb4.2/4, Error ellipse: s-maj=18.1km s-min=10.1km az=211.0

ISC 29 23:27:21.0.0.8, 28.2S, 02.63E, 0.2, h10km, n35, e026/26, mb4.2/12, MS3.7/2, Southwest Indian Ridge

BRVK Borovoye Array 50.57 309 eP P 23 45 39.7 -0.7

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SKR Severo-Kuril's, SKR Severo-Kuril's, SKR Severo-Kuril's, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BRVK Borovoye Array, BRVK Borovoye Array, BRVK Borovoye Array, etc.



Table with columns: Station Name, Az, Phase, ID, Time, Res. Includes stations like H19A Powell, G18A Lazy El Ranch, F17A Big Timber, etc.

Code Station Name Az Phase ID Time Res
WRA Warramunga Arr 17.71 200 P 01 07 38.4 -1.2
ASAR Alice Springs 21.33 198 P 01 08 20.7 +0.7

IDC 30 01:12:04.0.2.4.9:49N-83:97W, h0km, mb3.5/4, mb1 3.8/4, mb1mx3.5/20, mbtmp3.5/4, MS2.8/2, Ms1 2.8/2, ms1mx2.4/29, Error ellipse: s-maj=86.7km s-min=15.1km az=30.0

Table with columns: Station Name, Az, Phase, ID, Time, Res. Includes stations like QCR Quepos, LAJ Bijagual, URSU Urasca, etc.

Table with columns: Station Name, Az, Phase, ID, Time, Res. Includes stations like CUI Volcan, BRU2 Limonal, COLC Colombia, etc.

ISK 30 01:26:20.2, 37.40N-38.68E, h12km, MD2.6
CSEM 30 01:26:20.9, 0.4, 37.40N-38.64E, h10km, MD2.6, Error ellipse: s-maj=9.2km s-min=5.9km az=161.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like URFA Urfu, ATAB Bozova, MALT Malatya, etc.

NIED 30 01:31:00.24:70N, 122:40E, h107km, Mw4.8 Best double couple: Mo 1.73000e+10, NP1=175.00000, delta 77.00000, lambda 17.00000, NP2=81.00000, delta 73.00000, lambda 167.00000

MOS 30 01:31:24.6:1.1, 24:84N, 122:36E, h87km, mb4.9/21, Error ellipse: s-maj=11.0km s-min=6.2km az=106.5
BUJ 30 01:31:25.7, 24:73N, 122:39E, h95km, mb4.9/28, mb4.7/49

ISCB 30 01:31:26.4:0.1, 24:76N, 122:36E, h104km, 1km, mb4.5/65, Error ellipse: s-maj=2.9km s-min=1.9km az=162.2

IDC 30 01:31:27.7:0.7, 24:84N, 122:46E, h104km, 5km, mb4.1/25, mb1 4.2/27, mb1mx4.2/31, mbtmp4.1/27, MS3.5/15, Ms1 3.5/15, ms1mx3.3/30, Error ellipse: s-maj=10.9km s-min=10.0km az=57.0

TAP 30 01:31:27.9, 24:70N, 122:34E, h95km, ML5.1, B
NEIC 30 01:31:27.4:0.4, 24:75N, 122:35E, h101km, 4km, mb4.9/32, Error ellipse: s-maj=6.1km s-min=5.8km az=148.0

JMA 30 01:31:28.2:0.2, 24:73N, 122:38E, h92km, 2km, M4.7
TEH 30 01:31:28.0, 24:66N, 122:30E, h100km
GCMT 30 01:31:30.5:0.4, 24:82N, 122:25E, h98km, 3km, MW4.9

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like TWB1 Santiaho Chiao, TWC Suao, ILA Ilan, etc.

Table with columns: Station Name, Az, Phase, ID, Time, Res. Includes stations like ENTT Nioudou, TWA Mucha, TAP1 Taipei, etc.

ISC 30 01:26:21.7:0.7, 37.40N-0.05:38.69E, h104km, h9km, 5km, n33, c1917/37, Turkey

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like URFA Urfu, ATAB Bozova, MALT Malatya, etc.

NIED 30 01:31:00.24:70N, 122:40E, h107km, Mw4.8 Best double couple: Mo 1.73000e+10, NP1=175.00000, delta 77.00000, lambda 17.00000, NP2=81.00000, delta 73.00000, lambda 167.00000

MOS 30 01:31:24.6:1.1, 24:84N, 122:36E, h87km, mb4.9/21, Error ellipse: s-maj=11.0km s-min=6.2km az=106.5
BUJ 30 01:31:25.7, 24:73N, 122:39E, h95km, mb4.9/28, mb4.7/49

ISCB 30 01:31:26.4:0.1, 24:76N, 122:36E, h104km, 1km, mb4.5/65, Error ellipse: s-maj=2.9km s-min=1.9km az=162.2

IDC 30 01:31:27.7:0.7, 24:84N, 122:46E, h104km, 5km, mb4.1/25, mb1 4.2/27, mb1mx4.2/31, mbtmp4.1/27, MS3.5/15, Ms1 3.5/15, ms1mx3.3/30, Error ellipse: s-maj=10.9km s-min=10.0km az=57.0

TAP 30 01:31:27.9, 24:70N, 122:34E, h95km, ML5.1, B
NEIC 30 01:31:27.4:0.4, 24:75N, 122:35E, h101km, 4km, mb4.9/32, Error ellipse: s-maj=6.1km s-min=5.8km az=148.0

JMA 30 01:31:28.2:0.2, 24:73N, 122:38E, h92km, 2km, M4.7
TEH 30 01:31:28.0, 24:66N, 122:30E, h100km
GCMT 30 01:31:30.5:0.4, 24:82N, 122:25E, h98km, 3km, MW4.9

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like TWB1 Santiaho Chiao, TWC Suao, ILA Ilan, etc.









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Table with columns: Station Name, Frequency, Band, Mode, Power, SNR, Azimuth, Elevation, and other technical details. Includes stations like EKS2, ERKIN-SAY, KARATAY ARRAY, etc.

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Table with columns: Station Name, Frequency, Band, Mode, Power, SNR, Azimuth, Elevation, and other technical details. Includes stations like ODAN, LSA, ZAAO, ZALV, etc.

30d 3h

Table with columns: Station Name, Frequency, Band, Mode, Power, SNR, Azimuth, Elevation, and other technical details. Includes stations like AREO, CN2, GRFO, etc.

BUJ 03/20:50.1, 4°9'N; 125°89'E, h133km, mb5.0/31, mb4.9/43
ISCJB 03/20:54.9, 0.3, 5.45N, 102°125.81E, 0.03, h139km, 2km,
mb5.0/132, Error ellipse: s-maj=4.5km s-min=2.8km





Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, h, m, s, ISC. Includes stations like NVAR Pinedale Array, PDAR Pinedale Array, PDAR comp-Z, 0.9nm, 0.8s, baz=125, slow=1.7, SNR=3.7, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, h, m, s, ISC. Includes stations like GSPA South Pole Qui, ASAR Alice Springs, CMAR Chiang Mai Arr, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, h, m, s, ISC. Includes stations like OBO Ambohitratompo, DBIC Dimboko, TORO Torodi Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, h, m, s, ISC. Includes stations like NIED 30 03:53:47.0, JMA 30 03:53:47.0, MOS 30 03:53:52.0, NEIC 30 03:53:52.9, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, h, m, s, ISC. Includes stations like NEM2 Nemuro 2, JNR Naku, JAK Akkeshi, JTRK Abashiri-Toko, etc.

30 03:55:06.0: 1.1, 37.415:51.19E, h0km, mb4.1/5, mb1 4.3/5, mb1mx3.8/17, mbtmp4.1/5, Error ellipse: s-maj=56.5km s-min=27.1km az=19.0, South Indian Ocean

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, h, m, s, ISC. Includes stations like TORO Torodi Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, WRA Warramunga Arr, etc.

30 03:59:18.2: 1.5, 37.565:51.21E, h0km, mb4.1/5, mb1 4.1/5, mb1mx3.8/17, mbtmp4.1/5, Error ellipse: s-maj=75.0km s-min=27.7km az=16.0, South Indian Ocean

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, h, m, s, ISC. Includes stations like DBIC Dimboko, TORO Torodi Arr, ASAR Alice Springs, ZALV Zalesovo Beam, etc.

SOF 30 04:37:32.3, 40:37N-25:78E, h10km, MD3.0
ISK 30 04:37:33.4, 40:34N-25:6E, h4km, MD3.7, ML3.7
ATH 30 04:37:33.4, 40:37N-25:79E, h28km, MD3.5/9
ISCJB 30 04:37:33.0, 40:36N-01:01:25:74E, h5km, 2km, Error ellipse: s-maj=2.6km s-min=1.6km az=28.0

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, h, m, s, ISC. Includes stations like ENEZ Enez, BOZC Bozcaada, BELZ Tayfur-Gelibol, GELI Tayfur-Gelibol, ALN Alexandroupoli, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, h, m, s, ISC. Includes stations like EZN Ezine, LPK Lapseki, RDO Rodhopi, RDO Rodhobo, RDO Rodhopi, etc.





30d 6h

ISCJB 30 05:26:54.0.1.1, 17.6S:0.1x178.5W:0.1, h593km, 12km, mb4.1/21, Error ellipse: s-maj=25.6km s-min=12.4km az=144.0

NEIC 30 05:26:54.0.9.1, 17.59S:178.38W, h588km, 9km, mb4.4/11, Error ellipse: s-maj=20.1km s-min=10.0km az=145.0

IDC 30 05:26:55.9.2.8, 17.64S:178.38W, h604km, 30km, mb3.4/11, mb1.3.7/11, mb1mx3.5/16, mbtmp3.4/11, Error ellipse: s-maj=32.3km s-min=13.2km az=149.0

ISC 30 05:26:54.7.1.1, 17.6S:0.1x178.4W:0.1, h586km, 12km, n91, c0981/46, mb4.1/21, 2C-4D, Fiji Islands region

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

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NEIC 30 05:38:55.9.0.5, 4.79S:101.84E, h35km, mb4.7/8, Error ellipse: s-maj=21.6km s-min=7.7km az=50.0

ISCJB 30 05:38:58.7.1.4, 4.60S:0.10x102.1E:0.1, h72km, 10km, mb4.4/18, Error ellipse: s-maj=23.4km s-min=6.5km az=139.5

DJA 30 05:38:58.4.61S:102.13E, h10km, MLv4.7/10

ISC 30 05:39:00.1.1.2, 4.59S:0.09x102.1E:0.1, h66km, 10km, n71, c1503/67, mb4.4/18, Southern Sumatara

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

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SHUT Suhut-Afyon 1.24 59 ePn Pn 05 44 33.5 +0.4

ELL Elmali 1.29 154 ePn Pn 05 44 35.5 +0.8

ELL Elmali 1.29 154 ePn Pn 05 44 35.5 +0.9

ALT Altintas 1.34 32 ePn Pn 05 44 35.0 -0.4

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

ISCJB 30 06:13:59.8.0.4, 42.76N:0.02x1.97E:0.03, h10km, Error ellipse: s-maj=31.1km s-min=2.8km az=26.7

TIF 30 06:13:59.4, 42.80N:41.98E, h9km

CSEM 30 06:13:59.2.0.2, 42.73N:41.90E, h2km, mb3.8, Error ellipse: s-maj=3.6km s-min=3.4km az=148.0

MOS 30 06:14:01.3.1.4, 42.89N:41.93E, h9km, mb3.8/1, Error ellipse: s-maj=9.8km s-min=8.9km az=21.8

ISC 30 06:14:00.3.0.4, 42.75N:0.02x1.94E:0.03, h10km, n47, c1505/81, 2C-1D, Western Caucasus

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

IDC 30 05:38:50.6.0.8, 4.70S:101.83E, h0km, mb4.2/13, mb1.4.3/13, mb1mx4.1/23, mbtmp4.2/13, MS3.3/2, Ms1.3.4/2, ms1mx2.7/36, Error ellipse: s-maj=29.7km s-min=16.3km az=54.0

ISCJB 30 06:13:59.8.0.4, 42.76N:0.02x1.97E:0.03, h10km, Error ellipse: s-maj=31.1km s-min=2.8km az=26.7

TIF 30 06:13:59.4, 42.80N:41.98E, h9km

CSEM 30 06:13:59.2.0.2, 42.73N:41.90E, h2km, mb3.8, Error ellipse: s-maj=3.6km s-min=3.4km az=148.0

MOS 30 06:14:01.3.1.4, 42.89N:41.93E, h9km, mb3.8/1, Error ellipse: s-maj=9.8km s-min=8.9km az=21.8

ISC 30 06:14:00.3.0.4, 42.75N:0.02x1.94E:0.03, h10km, n47, c1505/81, 2C-1D, Western Caucasus











Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Alexandroupoli, Bozcaada, Eriki-Kesan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Corum, Yozgat, Thera Island, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Tucson, Glamis, Pinyon Flat Ob, etc.

30d 13h

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ellipse: s-maj=13.9km s-min=7.1km az=60.7
ISCJB 30 12:51:10.2,0.8,48:23N,01:08:15.4E,0.1,h53km,7km,
mb3.9/22,MS3.2/3,Error ellipse: s-maj=16.9km
s-min=4.9km az=136.1
KRSC 30 12:51:11.6,2.4,48:05N,156:07E,h10km,10km,ML4.6
NEIC 30 12:51:11.9,1.3,48:22N,154:44E,h52km,11km,mb4.2/1,
Error ellipse: s-maj=17.5km s-min=8.4km az=140.0
ISC 30 12:51:12.8,0.7,48:26N,007:154.5E,0.1,h59km,6km,
n98,r1919/106,mb3.8/22,MS3.2/3,4C,Kuril Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC, H m s, ISC. Rows include SKR Severo-Kuril's, SKR Kuril'sk, SKR Petropavlovsk, SKR Yuzh-Kuril'sk, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC, H m s, ISC. Rows include KURK Kurchatov, YKA Yellowknife Arr, YKA Yellowknife Arr, BVAR Borovoye Array, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC, H m s, ISC. Rows include TKM2 Tokmak 2, MK31 Makanchi Array, MK31 Makanchi Array, etc.

ISCJB 30 12:52:06.3,5.6,4.77S:0:05:127.40E:0.06,h3km,25km,

Error ellipse: s-maj=10.8km s-min=7.9km az=26.5
IDC 30 12:52:06.7,1.5,4.88S:127.46E,h0km,mb3.7/2,
mb1 3.9/6,mb1mx3.6/20,mbtmpr3.6/6,ML3.4/4,Error
ellipse: s-maj=38.0km s-min=24.9km az=47.0
DJA 30 12:52:07.4,64.3,12:30E,h37km,MLV3.2/4
NEIC 30 12:52:11.4,1.0,4.95S:127.37E,h35km,mb3.9/2,Error
ellipse: s-maj=19.3km s-min=11.3km az=216.0
ISC 30 12:52:06.3,5.6,4.77S:0:05:127.50E:0.08,h11km,41km,
n18,r1943/20,Banda Sea

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC, H m s, ISC. Rows include AAI Ambon, NLAJ Namlea, MSAI Masohi, KAPI Kappang, etc.

ISCJB 30 12:54:18.4,0.4,36:50N,0:03:70.9E:0.06,h163km,7km,

mb3.2/2, Error ellipse: s-maj=8.3km s-min=4.5km
az=168.0
IDC 30 12:54:18.5,15.0,36:36N,71:07E,h149km,145km,
mb3.3/3,mb1 3.3/7,mb1mx3.0/29,mbtmpr3.2/7,ML3.5/4,
MS2.8/1,Ms1 2.8/1,ms1mx2.1/29,Error ellipse:
s-maj=93.6km s-min=48.2km az=25.0
NEIC 30 12:54:19.6,0.6,36:45N:71:06E,h155km,8km,mb4.3/13,
Error ellipse: s-maj=9.0km s-min=4.6km az=68.0
NNC 30 12:54:24.4,3.1,36:88N:70:72E,h168km,30km,mb2.9,
mp4.0, Error ellipse: s-maj=25.9km s-min=14.8km
az=26.0

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC, H m s, ISC. Rows include WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

IDC 30 13:04:40.4,0.1,2.2787N:100:12E,h0km,mb3.4/4,

mb1 3.5/5,mb1mx3.2/25,mbtmpr3.5/5,ML3.0/1,Error
ellipse: s-maj=74.6km s-min=20.3km az=64.0,Yunnan

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC, H m s, ISC. Rows include CMAR Chiang Mai Arr, MK31 Makanchi Array, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MSCL Scilla, BULG Bulgheria, PLAC Placanna, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SGFM Saint Gilles, MMAI Mount Meron, HFS Hagfors, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NVAR Mina Array Bea, CN2 Changchun, TXAR Lajitas Array, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res. Includes stations like KORR, DAGI, SOCI, SOC, etc.

NIED 30 14:25:00, 37.40N, 138.60E, h8km, Mw3.8 Best double couple: M3.53000x1014 NP1.3x210.00000, 7.50.00000, 1.80.00000...

JMA 30 14:25:12.1e.0.1, 37.39N, 138.61E, h17km, Mw3.9, M3.9 JMA Felt III J1.

NEIC 30 14:25:13.9e.1, 37.29N, 138.47E, h29km, 10km, MG3.9(JMA), Error ellipse: s-maj=12.2km s-min=9.9km az=101.0

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res. Includes stations like JIZZ, JHK, JJK, etc.

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

NIED 30 14:52:00, 42.40N, 143.80E, h77km, Mw3.7 Best double couple: M3.69000x1014 NP1.3x127.00000, 8.80.00000, 1.80.00000...

mb3.7/14, Error ellipse: s-maj=8.2km s-min=4.8km az=139.1 JMA 30 14:52:17.0e.0.1, 42.41N, 143.83E, h84km, 2km, M3.7 JMA Felt III J1.

JDC 30 14:52:17.7e.2, 0.42, 37N: 143.85E, h93km, 15km, mb3.4/12, mb1 3.6/15, mb1mx3.5/26, mbtmp3.4/15, Error ellipse: s-maj=18.7km s-min=16.1km az=113.0

NEIC 30 14:52:17.2e.0.6, 42.39N: 143.88E, h88km, 5km, mb4.0/3, Error ellipse: s-maj=9.9km s-min=7.3km az=127.0

ISC 30 14:52:16.9e.0.4, 42.40N: 0.04x143.92E, 0.05, h84km, 3km, n53, 4074/67, mb3.7/14, 3C-7D, Hokkaido region

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

ISC/JB 30 14:57:13.8e.0.3, 14.86N: 0.06x45.09W, 0.06, h10km, mb4.5/39, MS4.1/18, Error ellipse: s-maj=9.4km s-min=6.9km az=43.8

JDC 30 14:57:13.6e.0.6, 14.87N: 45.11W, h0km, mb4.1/18, mb1 4.3/18, mb1mx2.2/26, mbtmp4.1/18, MS4.0/16, mb1 4.0/16, ms1mx3.8/27, Error ellipse: s-maj=15.9km s-min=15.2km az=80.0

BUI 30 14:57:13.5, 14.90N: 44.90W, h10km, mb5.5/37, Ms7.5/07

NEIC 30 14:57:15.2e.0.3, 14.84N: 45.05W, h10km, mb4.8/22, Error ellipse: s-maj=9.2km s-min=7.8km az=221.0

ISC 30 14:57:15.6e.0.3, 14.82N: 0.06x45.04W, 0.06, h10km, n266, c054/253, mb4.5/39, MS4.1/18, 96C-92D, Northern Mid-Atlantic Ridge

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

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res. Includes stations like TORD, WMOK, JCT, ULM, ULM, etc.

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes entries like A22A Carney Farms, 220A Playas Peak, W20A Ramah, etc.

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes entries like A16A West Butte Ran, B16A M & M Farms, K15A Arbon, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes entries like KMI Kunming, GYA Guiyang, NJ2 Nanjing, etc.







30d 17h

Table with columns: BRG, Berggiesshubel, 82.13 329 eP, P, 16 00 49.8 +0.3, comp=2.2,0nm,0.7s,mb4.9

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Table with columns: CACB, La Chapelle, 88.70 331 eP, P, 16 01 21.6 -0.7, comp=2.3,9nm,0.6s,mb4.9

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Table with columns: PVCC, 11nm,0.2s, Sg, Sg, 16 54 40.0 +0.1, BRG, Berggiesshubel, 1.49 246 PN, Pn, 16 54 23.7 -0.1

Table with columns: WRA, WRB, WRA, WRAB, etc. and rows listing various astronomical objects with their coordinates and magnitudes.

Table with columns: KOLN, KOLDANA, DANN, etc. and rows listing astronomical objects with their coordinates and magnitudes.

Table with columns: CTAO, EIDS, MSVF, etc. and rows listing astronomical objects with their coordinates and magnitudes.

DJA 30 17:27:40.0, 20N:94.08E, h335km, mb4.9/8

BUL 30 17:28:12.4, 0.51N:96.69E, h37km, mb5.0, mb4.6/11, Ms4.2/1, Ms7.4/0.1

IDC 30 17:28:14.6, 3.1, 1.15N:96.99E, h0km, mb4.3/10, mb1.4/4.1, mb1mx4.1/22, mbtmp4.3/11, ML4.2/1, Error ellipse: s-maj=46.5km s-min=16.5km az=61.2

NEIC 30 17:28:20.2, 3.1, 2.3N:97.18E, h35km, mb4.5/22, Error ellipse: s-maj=20.7km s-min=7.1km az=47.0

ISCJB 30 17:28:21.5, 1.5, 1.26N:0.08E, 97.24E:0.09, h59km, 11km, mb4.4/20, Error ellipse: s-maj=19.1km s-min=7.6km az=141.6

ISC 30 17:28:22.9, 1.4, 1.28N:0.08E, 97.24E:0.10, h53km, 11km, n78, 0.92/77, mb4.4/30, Northern Sumatra

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. and rows listing astronomical objects with their coordinates and magnitudes.

IDC 30 17:33:05.1-14.0, 37.02S:96.05W, h0km, mb3.6/4, mb1.4/0.4, mb1mx3.9/12, mbtmp3.6/4, MS2.9/3, Ms1.3/0.3, ms1.0Mx2.9/24, Error ellipse: s-maj=57.9.1km s-min=51.2km az=6.0, Southeast of Easter Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. and rows listing astronomical objects with their coordinates and magnitudes.

MOS 30 17:43:47.1, 1.1, 1.0:60S:161.17E, h33km, mb5.3/32, MS4.8/4, Error ellipse: s-maj=9.0km s-min=8.0km az=82.5

BUL 30 17:43:49.9, 1.0, 10.45S:161.54E, h62km, mb5.2/35, mb4.8/40, Ms5.1/32, Ms7.4/8.3/3

IDC 30 17:43:49.5, 2.1, 10.58S:161.25E, h39km, 1.7km, mb4.5/24, mb1.4/7.25, mb1mx4.7/25, mbtmp4.5/25, ML4.7/1, MS4.8/24, Ms1.4/8.24, ms1mx4.7/31, Error ellipse: s-maj=14.4km s-min=11.3km az=123.0

GCMT 30 17:43:49.6, 0.1, 10.89S:161.24E, h26km, MW5.4, Moment Tensor Solution: s89, c136, s82, c136; Moment tensor: S=1017Nm, M1:0.29, 0.03; M=0.21, 0.02; M=0.88, 0.02; M=0.02, 0.03; M=0.57, 0.02; M=1.02, 0.04; Best double couple: M=1.70000, 1017; NP1=311.00000; 826.00000; 154.00000; NP2=3170.00000; 369.00000; 1106.00000; Principal axes: T 1.6900, Plg63.0000; Azm106.0000; N -0.0500, Plg15.0000; Azm344.0000; P -1.6400, Plg22.0000; Azm248.0000; Data Used: II U G C

ISCJB 30 17:43:49.1, 1.0, 10.64S:0.04E, 161.15E:0.03, h46km, 9km, mb5.0/15, MS4.8/39, Error ellipse: s-maj=6.8km s-min=4.8km az=179.0

DJA 30 17:43:50, 10.78S:161.45E, h36km, mb5.2/29

NEIC 30 17:43:50, 1.0, 10.82S:161.16E, h58km, 9km, mb5.2/60, Error ellipse: s-maj=6.0km s-min=5.4km az=136.0

ISC 30 17:43:51.4, 0.8, 10.86S:0.04, 161.21E:0.03, h53km, 6km, h5km, 1.7km, pp-P, n451, 0.88/7424, mb5.0/14, MS4.8/39, 75C-87D, Bougainville - Solomon Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. and rows listing astronomical objects with their coordinates and magnitudes.

RPZ 30 17:43:51.4, 0.8, 10.86S:0.04, 161.21E:0.03, h53km, 6km, h5km, 1.7km, pp-P, n451, 0.88/7424, mb5.0/14, MS4.8/39, 75C-87D, Bougainville - Solomon Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. and rows listing astronomical objects with their coordinates and magnitudes.

30d 17h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like KSM, YUK, KSR5, KSAR, KSAP, TAODE, QIZ, QI, WHN, UBT, IPM, RKT, MDJ, KULM, CN2, HBR, PSI, PETK, GYA, NST, XAN, VDA, KMI, SBA, CHRT, CM31.

2008 DEC

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like CMAR, CHTO, HHC, HCH, HHI, CD2, HIA, HZH, CLNS, SEY, CIT, GTA, KAD, KOD, BOD, BILL, ZAK, GSPA, TLY, TNA, RSO, TTA, TAPN, ODAN, ODAN, ODAN, SLKM, MOY, RAMN.

1350

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like JIRN, GUN, PKI, TRF, KKN, DMN, MCK, GKN, KOLN, DANN, COLA, ILAR, ILAR, EGAK, BBB, DAWY, PKM, CMB, SCI, DLBC, WCN, MWC, MWC, ISA, K05A, EDW2, MOD, BFSC, CWC, MUR, TIN, LRMC, NVAR, NVAR, NVAR, GRAC, DVTC, GSC, I07A, FURC, HEC, SWSC, WVOR, WVOR, BELC, SHOC, MK31, MKAR, MKAR, MKAR, J08A, BC3, BUQ, BMN, BMN, ZAAO, ZALV.











Table with columns for station name, frequency, power, and signal strength. Includes stations like CMAR Chiang Mai Arr, NGP Nagpur, and various regional stations.

Table with columns for station name, frequency, power, and signal strength. Includes stations like NGP Nagpur, TAPN Taplejung, and various regional stations.

Table with columns for station name, frequency, power, and signal strength. Includes stations like AGRA, XAN Xi'an, and various regional stations.

30d 19h

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like Beijing, Charters Tower, Stephens Creek, etc.

2008 DEC

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like Tokmak 2, Karagaybulak, Chanchun, etc.

1356

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like Hailar, Dhamar BB, Zalesovo Beam, etc.







KONO	comp=Z,3um,20.0s,MSS.8	<b>Kongsberg</b>	94.47 329	PFAKE	LR	20 03 20.0 +8.3
MUD	comp=Z,6um,20.0s,MSS.6	<b>Monsted U'grnd</b>	94.65 326	i P	MLR	20 03 14.4 +1.8
MUD	comp=Z,4um,18.0s,MSS.6	<b>Monsted U'grnd</b>	94.65 326	i P	P	20 03 14.4 +1.8
BFO	comp=Z,4um,18.0s	<b>Black Forest</b>	95.06 318	PFAKE	LR	20 03 30.0 +1.5
ECH	comp=Z,2um,20.0s,MSS.6	<b>Echery</b>	95.84 318	PFAKE	LR	20 03 30.0 +1.2
LPG	comp=Z,3um,21.0s,MSS.7	<b>La Plagne</b>	96.12 315	eP	P	20 03 20.0 +0.4
LPG	comp=Z,20nm,1.2s,mb5.1	<b>La Plagne</b>	96.12 315	eP	P	20 03 20.0 +0.4
LPG	comp=Z,20nm,1.2s,mb5.4	<b>La Plagne</b>	96.12 315	eP	P	20 03 20.0 +0.4
BNI	comp=Z,20nm,1.2s,mb5.4	<b>Bardonecchia</b>	96.18 315	PFAKE	LR	20 03 30.0 +1.0
WLF	comp=Z,3um,19.0s,MSS.8	<b>Walferdange</b>	96.49 319	PFAKE	LR	20 03 30.0 +8.9
TAM	comp=Z,3um,20.0s,MSS.8	<b>Tamanrasstr</b>	96.83 292	eP	P	20 03 23.6 +0.3
TAM	comp=Z,2.8nm,1.1s,mb4.6			LR	LR	
TAM	comp=Z,3um,19.0s,MSS.7	<b>Tamanrasstr</b>	96.83 292	eP	P	20 03 23.6 +0.3
TAM	comp=Z,3.0nm,1.1s,mb4.6			MLR	MLR	
SSB	comp=Z,3um,19.0s,MSS.7	<b>Saint Sauveur</b>	97.68 315	PFAKE	LR	20 03 40.0 +1.3
TORD	comp=Z,2um,21.0s,MSS.5	<b>Tordi Ar, Bea</b>	100.16 283	P	Pdf	20 03 38.5 +1.1
TORD	comp=Z,2.0nm,0.6s,baz=287,slo=4.3,SNR=2.6	<b>Tordi Ar, Bea</b>	100.16 283	P	Pdf	20 03 38.5 +1.1
COLD	comp=Z,9.3nm,1.2s	<b>Coldfoot</b>	101.12 22	ePdif	Pdif	20 03 40.7 -1.1
XMAS	comp=Z,2um,21.0s,MSS.7	<b>Kiritimati</b>	101.53 89	PFAKE	LR	20 04 00.0 +1.6
ESK	comp=Z,2um,22.0s,MSS.8	<b>Eskdalemuir</b>	101.68 326	PFAKE	LR	20 04 00.0 +1.6
KDAK	comp=Z,4um,21.0s,MSS.9	<b>McKinley</b>	102.59 25	ePdif	Pdif	20 03 47.2 -1.1
MCK	comp=Z,4um,21.0s,MSS.9	<b>McKinley</b>	102.59 25	ePdif	Pdif	20 03 47.2 -1.1
COLA	comp=Z,4um,21.0s,MSS.9	<b>McKinley</b>	102.59 25	ePdif	Pdif	20 03 47.2 -1.1
ILAR	comp=Z,3um,20.0s,MSS.8	<b>Eielson Array</b>	103.13 24	Pdif	Pdif	20 03 50.0 -0.8
ILAR	comp=Z,0.3nm,0.6s,baz=287,slo=4.3,SNR=4.8	<b>Eielson Array</b>	103.13 24	Pdif	Pdif	20 03 50.0 -0.8
ILAR	comp=Z,1.5nm,1.1s,baz=306,slo=6.8,SNR=4.9			PP	PP	20 07 51.7 -1.4
ILAR	comp=Z,0.6nm,0.8s,baz=103,slo=2.0,SNR=6.8			PKPK	PKPK	20 19 53.5 +4.5
ILAR	comp=Z,0.6nm,0.8s,baz=103,slo=2.0,SNR=6.8	<b>Eielson Array</b>	103.13 24	Pdif	Pdif	20 03 50.0 -0.8
ILAR	comp=Z,0.6nm,0.8s,baz=103,slo=2.0,SNR=6.8			PKPK	PKPK	20 19 53.5 +4.5
ILAR	comp=Z,0.6nm,0.8s,baz=103,slo=2.0,SNR=6.8			PKPK	PKPK	20 19 53.5 +4.5
ESLA	comp=Z,10um,21.0s,MSS.3	<b>Scoresbysund</b>	104.67 343	eP	MLR	20 04 00.4 +2.9
SCO	comp=Z,4um,17.0s,MSS.6	<b>Scoresbysund</b>	104.67 343	i P	Pdif	20 04 00.4 +2.9
PAB	comp=Z,2um,19.0s,MSS.6	<b>San Pablo</b>	104.67 310	PFAKE	LR	20 04 10.0 +1.2
SHEL	comp=Z,6um,19.0s,MSS.6	<b>Horset Pasture</b>	104.97 252	PFAKE	LR	20 08 30.0 +1.5
EGAK	comp=Z,6um,19.0s,MSS.6	<b>Eagle</b>	105.42 23	PFAKE	LR	20 08 30.0 +1.6
TRIS	comp=Z,6um,21.0s,MSS.6	<b>Tristan da Cun</b>	105.83 230	PFAKE	LR	20 08 30.0 +1.4
TBI	comp=Z,3um,22.0s,MSS.9	<b>Tubuai</b>	105.96 116	eSdif	Sdif	20 15 53.9 -5.1
TBI	comp=Z,2um,28.0s	<b>Tubuai</b>	105.96 116	ePS	PS	20 17 44.6 -1.0
TBI	comp=Z,819nm,25.5s			eSS	SS	20 23 24.3 -2.0
TBI	comp=Z,4um,27.2s			eLR	LR	20 38 59.5
DBIC	comp=Z,8um,23.0s	<b>Dimbokro</b>	106.36 276	PFAKE	LR	20 08 30.0 +1.3
SFS	comp=Z,4um,19.0s,MSS.6	<b>San Fernando</b>	106.49 307	PFAKE	LR	20 08 30.0 +1.3
PPT2	comp=Z,4um,19.0s,MSS.9	<b>Papeete2</b>	106.96 110	ePP	PP	20 08 24.7 -1.0
PPT2	comp=Z,3um,25.0s			eSdif	Sdif	20 16 01.4 -5.9
PPT2	comp=Z,1um,27.2s			eLR	LR	20 39 32.7
MTE	comp=Z,4um,22.2s	<b>Manteigas</b>	106.98 311	PFAKE	LR	20 08 30.0 +1.2
BORG	comp=Z,2um,22.0s,MSS.7	<b>Borgarnes</b>	107.28 338	PFAKE	LR	20 08 30.0 +1.2
RTC	comp=Z,4um,19.0s,MSS.6	<b>Rabat Centre</b>	107.31 304	PFAKE	LR	20 08 30.0 +1.1
SUMG	comp=Z,3um,19.0s,MSS.8	<b>Summit</b>	107.45 348	eP	Pdif	20 04 15.8 +5.9
SUMG	comp=Z,3um,19.0s,MSS.8	<b>Summit</b>	107.45 348	i P	Pdif	20 04 15.8 +5.9
PMSA	comp=Z,6um,22.0s,MSS.6	<b>Wrangell Islan</b>	113.06 29	PFAKE	LR	20 08 40.0 +1.1
SFJD	comp=Z,3um,20.0s,MSS.9	<b>Kangerlussuaq</b>	114.44 348	PFAKE	LR	20 08 40.0 +8.9
YKA	comp=Z,4um,20.0s,MSS.6	<b>Yellowknife Ar</b>	116.22 18	PKP	PKP	20 08 33.7 -0.9
YKA	comp=Z,0.7nm,0.7s,baz=329,slo=2.0,SNR=9.8			PP	PP	20 09 34.4 -5.3
YKA	comp=Z,1.3nm,1.0s,baz=331,slo=7.1,SNR=4.5			PKPK	PKPK	20 19 05.1 -1.5
YKA	comp=Z,0.3nm,0.8s,baz=135,slo=3.4,SNR=5.8			PKPK	PKPK	20 08 33.8 -0.9
YKA	comp=Z,0.3nm,0.8s,baz=135,slo=3.4,SNR=5.8	<b>Yellowknife Ar</b>	116.22 18	PKP	PKP	20 08 33.8 -0.9
TAOE	comp=Z,4um,20.0s,MSS.6	<b>Nuku Hiva Isla</b>	117.52 102	ePS	PS	20 19 34.3 -1.8
TAOE	comp=Z,5um,24.0s			eLR	LR	20 44 22.2
RKT	comp=Z,240nm,27.2s	<b>Rikitea</b>	118.86 119	ePP	PP	20 09 54.5 -5.2
RKT	comp=Z,530nm,26.2s			eSS	SS	20 26 15.4 -2.2
FRB	comp=Z,5um,22.0s	<b>Frobisher Bay</b>	120.20 355	PKP	PKP	20 08 41.4 -0.9
FRB	comp=Z,2.0nm,0.8s,baz=68,slo=6.6,SNR=1.7	<b>Frobisher Bay</b>	120.20 355	PKP	PKP	20 08 41.4 -0.9
FRB	comp=Z,2.0nm,0.8s,baz=68,slo=6.6,SNR=1.7	<b>Frobisher Bay</b>	120.20 355	PKP	PKP	20 08 41.4 -0.9
EFI	comp=Z,3um,20.0s,MSS.6	<b>East Falkland</b>	121.48 395	PFAKE	LR	20 09 00.0 +1.5

NLWA	comp=Z,4um,21.0s,MSS.6	<b>Neilton Lookout</b>	122.25 35	PFAKE	LR	20 09 00.0 +1.3
A05A	comp=Z,2um,21.0s,MSS.9	<b>Maple Falls</b>	122.32 32	PKPK	PKPK	20 08 46.7 -0.3
E03A	comp=Z,2um,21.0s,MSS.9	<b>Lebam</b>	122.89 35	PKPK	PKPK	20 08 48.1 -0.1
ETW	comp=Z,2um,21.0s,MSS.9	<b>Entiat</b>	124.09 33	ePKP	PKP	20 08 47.7 -2.5
OD2	comp=Z,2um,21.0s,MSS.9	<b>Odessa Site #2</b>	125.09 32	ePKP	PKP	20 08 52.3 +0.1
RSW	comp=Z,2um,21.0s,MSS.9	<b>Rattlesnake Hk</b>	125.22 34	ePKP	PKP	20 08 52.0 -0.5
HAWA	comp=Z,2um,21.0s,MSS.9	<b>Hanford</b>	125.26 34	ePKP	PKP	20 08 52.7 +0.1
G06A	comp=Z,2um,21.0s,MSS.8	<b>Carson Farm,</b>	125.32 35	PKPK	PKPK	20 08 52.7 -0.3
NEW	comp=Z,2um,21.0s,MSS.8	<b>Newport</b>	125.35 30	PKPK	PKPK	20 08 52.5 -0.5
NEW	comp=Z,2um,21.0s,MSS.8	<b>Newport</b>	125.35 30	ePKP	PKP	20 08 51.1 -1.5
NEW	comp=Z,4um,21.0s,MSS.6	<b>Newport</b>	125.35 30	ePKP	MLR	20 08 51.2 -1.5
HUMO	comp=Z,2um,21.0s,MSS.8	<b>Hull Mountain</b>	125.38 39	ePKP	PKP	20 08 53.0 +0.1
A12A	comp=Z,2um,21.0s,MSS.8	<b>Yaak River Ran</b>	125.63 29	PKPK	PKPK	20 08 53.4 -0.1
E09A	comp=Z,2um,21.0s,MSS.8	<b>Wood Farm, Sta</b>	125.94 33	PKPK	PKPK	20 08 53.9 -0.4
LNOR	comp=Z,2um,21.0s,MSS.8	<b>Linton Mounta</b>	126.26 33	ePKP	PKP	20 08 53.2 -1.3
LNOR	comp=Z,2um,21.0s,MSS.8	<b>Linton Mounta</b>	126.26 33	ePKP	PKP	20 08 53.2 -1.3
FFC	comp=Z,2um,21.0s,MSS.8	<b>Flin Flon</b>	126.35 16	ePKP	PKP	20 08 52.1 -2.2
FFC	comp=Z,2um,21.0s,MSS.8	<b>Flin Flon</b>	126.35 16	ePKP	MLR	20 08 52.2 -2.2
I07A	comp=Z,5um,20.0s,MSS.6	<b>Izee</b>	126.55 36	PKPK	PKPK	20 08 55.1 -0.7
A14A	comp=Z,2um,21.0s,MSS.6	<b>Double T Ranch</b>	126.67 28	PKPK	PKPK	20 08 55.0 -0.6
F10A	comp=Z,2um,21.0s,MSS.6	<b>Beach Ranch, E</b>	126.77 33	PKPK	PKPK	20 08 55.1 -0.8
B5M	comp=Z,2um,21.0s,MSS.6	<b>Bassac Peak</b>	126.79 30	ePKP	PKP	20 08 55.1 -0.3
A15A	comp=Z,2um,21.0s,MSS.6	<b>Johnson Ranch</b>	126.98 27	PKPK	PKPK	20 08 55.4 -0.8
B14A	comp=Z,2um,21.0s,MSS.6	<b>Marquette Ranc</b>	127.17 28	PKPK	PKPK	20 08 55.9 -0.7
MOD	comp=Z,2um,21.0s,MSS.6	<b>Modoc</b>	127.42 38	ePKP	PKP	20 08 56.5 -0.3
SWMT	comp=Z,2um,21.0s,MSS.6	<b>Swartz Lake</b>	127.42 29	ePKP	PKP	20 08 57.0 +0.4
BMO	comp=Z,2um,21.0s,MSS.6	<b>Blue Mountains</b>	127.44 34	ePKP	PKP	20 08 55.0 -1.8
BMO	comp=Z,2um,21.0s,MSS.6	<b>Blue Mountains</b>	127.44 34	ePKP	MLR	20 08 55.0 -1.8
B15A	comp=Z,2um,21.0s,MSS.8	<b>Circle Bar Ran</b>	127.54 28	PKPK	PKPK	20 08 56.6 -0.8
J08A	comp=Z,2um,21.0s,MSS.8	<b>Circle Bar Ran</b>	127.56 36	PKPK	PKPK	20 08 57.1 -0.8
SLMT	comp=Z,2um,21.0s,MSS.8	<b>Seelye Lake</b>	127.85 29	eP	PKP	20 08 56.9 -0.6
B16A	comp=Z,2um,21.0s,MSS.8	<b>Ok M Farms, S</b>	127.86 27	PKPK	PKPK	20 08 57.3 -0.7
C15A	comp=Z,2um,21.0s,MSS.8	<b>Salmond Ranch</b>	127.90 28	PKPK	PKPK	20 08 57.5 -0.6
A17A	comp=Z,2um,21.0s,MSS.8	<b>Triple J Farms</b>	127.92 26	PKPK	PKPK	20 08 57.7 -0.5
F12A	comp=Z,2um,21.0s,MSS.8	<b>Elk City</b>	127.96 32	PKPK	PKPK	20 08 57.5 -0.8
E13A	comp=Z,2um,21.0s,MSS.8	<b>Victor</b>	128.05 31	PKPK	PKPK	20 08 57.7 -0.8
WVOR	comp=Z,2um,21.0s,MSS.9	<b>Wild Horse Val</b>	128.13 37	ePKP	PKP	20 11 02.7 +0.6
WVOR	comp=Z,2um,21.0s,MSS.9	<b>Wild Horse Val</b>	128.13 37	ePKP	MLR	20 11 02.6
CHMT	comp=Z,3um,21.0s,MSS.9	<b>Champlain Mo</b>	128.20 30	ePKP	PKP	20 08 57.2 -1.0
C16A	comp=Z,2um,21.0s,MSS.9	<b>Fuhringer Ranc</b>	128.29 28	PKPK	PKPK	20 08 58.0 -0.9
A18A	comp=Z,2um,21.0s,MSS.9	<b>Metzger Ranch</b>	128.31 26	PKPK	PKPK	20 08 58.1 -0.8
B17A	comp=Z,2um,21.0s,MSS.9	<b>L&amp;C Farms, Che</b>	128.36 27	PKPK	PKPK	20 08 58.2 -0.8
E14A	comp=Z,2um,21.0s,MSS.9	<b>Clinton</b>	128.42 30	PKPK	PKPK	20 08 58.8 -0.5
F13A	comp=Z,2um,21.0s,MSS.9	<b>Darby</b>	128.42 31	PKPK	PKPK	20 08 58.4 -0.8
F15A	comp=Z,2um,21.0s,MSS.9	<b>Lincoln</b>	128.46 29	PKPK	PKPK	20 08 58.8 -0.4
B18A	comp=Z,2um,21.0s,MSS.9	<b>Beardsley Farm</b>	128.74 26	PKPK	PKPK	20 08 59.2 -0.6
A19A	comp=Z,2um,21.0s,MSS.9	<b>Klindworth Fa</b>	128.77 25	PKPK	PKPK	20 08 58.9 -0.9
E15A	comp=Z,2um,21.0s,MSS.9	<b>Deer Lodge</b>	128.84 30	PKPK	PKPK	20 08 59.3 -0.8
C17A	comp=Z,2um,21.0s,MSS.9	<b>Wharum Farm,</b>	128.86 27	PKPK	PKPK	20 08 59.4 -0.7
F14A	comp=Z,2um,21.0s,MSS.9	<b>Wisdom</b>	128.90 31	PKPK	PKPK	20 08 59.7 -0.5
D16A	comp=Z,2um,21.0s,MSS.9	<b>Dan Ranch, Ca</b>	128.94 28	PKPK	PKPK	20 08 59.7 -0.6
G13A	comp=Z,2um,21.0s,MSS.9	<b>Cobalt</b>	128.94 32	PKPK	PKPK	20 08 59.6 -0.7
H12A	comp=Z,2um,21.0s,MSS.9	<b>Diamond D Ranc</b>	128.97 33	PKPK	PKPK	20 08 59.9 -0.5
EGMT	comp=Z,2um,21.0s,MSS.9	<b>Eagleton</b>	129.03 26	PKPK	PKPK	20 08 59.8 -0.6
EGMT	comp=Z,2um,21.0s,MSS.9	<b>Eagleton</b>	129.03 26	ePKP	PKP	20 09 00.5 +0.9
HRY	comp=Z,3um,21.0s,MSS.6	<b>Holter Researc</b>	129.03 29	ePKP	PKP	20 09 00.3 +0.6
B19A	comp=Z,2um,21.0s,MSS.6	<b>Brinkman Farms</b>	129.05 25	PKPK	PKPK	20 08 59.9 -0.5
A20A	comp=Z,2um,21.0s,MSS.6	<b>Colestone Ra</b>	129.14 24	PKPK	PKPK	20 09 59.8 -0.8
MFID	comp=Z,2um,21.0s,MSS.6	<b>Camas Ranch</b>	129.17 34	PKPK	PKPK	20 09 00.3 -0.5
MFID	comp=Z,2um,21.0s,MSS.6	<b>Camas Ranch</b>	129.17 34	eP	PKP	20 09 00.3 +0.2
WCN	comp=Z,2um,21.0s,MSS.6	<b>Washoe City</b>	129.19 41	PKPK	PKPK	20 09 00.6 -0.4
WCN	comp=Z,2um,21.0s,MSS.6	<b>Washoe City</b>	129.19 41	ePKP	PKP	20 09 01.1 +0.9
E16A	comp=Z,2um,21.0s,MSS.6	<b>East Helena</b>	129.23 29	PKPK	PKPK	20 09 00.5 -0.4
G14A	comp=Z,2um,21.0s,MSS.6	<b>Jackson</b>	129.24 31	PKPK	PKPK	20 09 00.3 -0.6
D17A	comp=Z,2um,21.0s,MSS.6	<b>Six Diamond Ra</b>	129.25 28	PKPK	PKPK	20 09 00.4 -0.4
H13A	comp=Z,2um,21.0s,MSS.6	<b>Challis</b>	129.28 32	PKPK	PKPK	20 09 00.3 -0.7
I12A	comp=Z,2um,21.0s,MSS.6	<b>Atlanta</b>	129.31 34	PKPK	PKPK	20 09 00.6 -0.5
F15A	comp=Z,2um,21.0s,MSS.6	<b>Butte</b>	129.32 30	PKPK	PKPK	20 09 00.7 -0.4
LRM	comp=Z,2um,21.0s,MSS.6	<b>Limekiln Ridge</b>	129.36 30	ePKP	PKP	20 09 01.3 +0.9
B20A	comp=Z,2um,21.0s,MSS.6	<b>Solberg Farm,</b>	129.45 25	PKPK	PKPK	2



Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like W25A, W24A, BNM, etc.

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

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

30d 20h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SFJM, R15V, ANIG, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA, ASAR, MKAR, ZALV.

IDC 30 20:29:07.23.1, 21.11S: 176.64W, h0km, mb3.7/4, mb1 3.9/4, mb1mx3.7/16, mbtmb3.7/4, Error ellipse: s-maj=161.0km s-min=36.9km az=150.0

NEIC 30 20:29:19.1-1.1, 21.65S: 176.54W, h100km, mb4.5/1, Error ellipse: s-maj=27.7km s-min=21.1km az=112.0

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

ISCJB 30 20:32:36.9.0.3, 4.35S: 0.04x101.13E: 0.04, h10km, mb4.9/63, Error ellipse: s-maj=6.9km s-min=4.5km

IDC 30 20:32:37.1-0.9, 4.27S: 101.16E, h0km, mb4.5/17, mb1 4.5/18, mb1mx4.4/24, mbtmb4.5/18, ML3.7/1, Error ellipse: s-maj=31.5km s-min=12.6km az=51.0

NEIC 30 20:32:40.9.1.2, 4.11S: 101.36E, h33km, mb5.2/24, Error ellipse: s-maj=13.4km s-min=7.1km az=112.1

DJA 30 20:32:41.0-0.3, 4.53S: 101.1E, h10km, mb5.0/5, mb4.9/25, ML5.0/16

BUI 30 20:32:44.2.4, 4.60S: 100.80E, h60km, mb5.3/4, mb4.8/18, Mb4.8/2, Mb7.4/62

ISC 30 20:32:38.9.0.3, 4.34S: 0.04x101.16E: 0.04, h10km, n216, r128/184, mb4.9/63, 4.0D, Southern Sumatera

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSI, MNAI, KRJI, LWLI, etc.

2008 DEC

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CHTO, CHRT, MDRS, FITZ, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EK2S, EK2S, MJAR, etc.









Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FSR, FCH, CLCH, STL, TACH, RCDM, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JHUJ, JKO, BSO1, BSO2, BSO3, etc.

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

MAN 31 00:06:06, 17.10N-121.90E, h28km, mb4.6, ML3.5, MS3.4, 1C, Luzon. Table with columns: Code, Station Name, Az, Phase ID, Time, Res.

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

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

IDC 31 00:06:23.9-1.8, 4.38S-101.25E, h0km, mb4.0/9, mb1.4/1.9, mb1mx3.9/2.0, mbtmp4.0/9, MS3.4/2, Ms1.3/4.2, ms1.2/0.9/2, Error ellipse: s-maj=64.2km s-min=16.9km az=58.0.

IDC 31 01:19:52.2-1.6, 18.16S-66.81W, h264km, gkm, mb3.1/5, mb1.3/4.8, mb1mx3.2/1.7, mbtmp3.0/8, Error ellipse: s-maj=33.7km s-min=18.3km az=28.0.

IDC 31 01:19:52.4-0.6, 18.25S-070.66W, 0.1, h269km, gkm, n26, c079/26, mb3.5/10, Central Bolivia. Table with columns: Code, Station Name, Az, Phase ID, Time, Res.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CAUP, CAUP, PALP, SGCP, ABRA, etc.

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

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

IDC 31 00:40:22.6-1.8, 32.23N-139.48E, h105km, 34km, mb3.4/4, mb1.3/5.5, mb1mx3.1/2.4, mbtmp3.3/5, Error ellipse: s-maj=86.0km s-min=10.5km az=69.0.

IDC 31 01:31:27.4-1.1, 37.14N-21.86E, h0km, mb3.7/7, mb1.3/7.8, mb1mx3.5/2.6, mbtmp3.6/8, ML2.4/1, Error ellipse: s-maj=42.0km s-min=17.3km az=121.0.

IDC 31 02:56:37.0-1.2, 40.34N-035.25E, h10km, Error ellipse: s-maj=10.3km s-min=4.4km az=1.7.

IDC 31 00:40:22.3-0.6, 32.56N-05.140E, h206E, 0.08, h152km, 5km, mb3.6/7, Error ellipse: s-maj=11.4km.







Table with columns: Call sign, Frequency, Power, Mode, and other technical details. Includes stations like KURK Kurchatov, YKA Yellowknife Ar, and various ARCS and KBL stations.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details. Includes stations like KBL, YFT Old Faithful, FLWY Yellowknife Ar, and various ARCS and KBL stations.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details. Includes stations like WET, GECZ GERRISS Array S, GECZ GERRISS Array S, and various ARCS and KBL stations.





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

KRSC 31 09:22:02.1±0.8,5572N,161.05E,h175km,34km,ML3.7,

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

ISC 31 09:39:25.4, 41.05N, 34.52E, h5km, MD3.2

ISC/JB 31 09:39:26.0, 5.41, 03N, 0.04, 34.54E, 0.04, h10km, Error ellipse: s-maj=5.2km s-min=3.8km az=162.0

DDA 31 09:39:26.2, 41.01N, 34.52E, h7km, MD2.8

CSEM 31 09:39:26.3, 0.2, 41.03N, 0.05E, h2km, MD3.2, Error ellipse: s-maj=3.1km s-min=3.1km az=165.0

ISC 31 09:39:26.8, 0.5, 41.02N, 0.04, 34.53E, 0.04, h3km, gkm, n27, c081/36, 1C, Turkey

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

ISC/JB 31 09:57:41.7, 1.4, 6.3S, 0.1, 155.0E, 0.10, h244km, 16km, mb3.7/16, Error ellipse: s-maj=20.2km s-min=12.4km az=145.4

IDC 31 09:57:42.9, 2.3, 6.34S, 155.12E, h246km, 25km, mb3.4/15, mb1.3/18, mb1mx3.6/19, mbmp3.5/18, Error ellipse: s-maj=21.9km s-min=13.4km az=122.0

NEIC 31 09:57:42.6, 1.2, 6.28S, 155.06E, h239km, 14km, mb4.3/2, Error ellipse: s-maj=16.0km s-min=10.0km az=144.0

ISC 31 09:57:42.7, 1.4, 6.3S, 0.1, 155.06E, 0.09, h240km, 16km, n36, c084/41, mb3.7/16, Bougainville - Solomon Islands region

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

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

TRN 31 10:04:06.3, 19.08N, 64.78W, h51km, MD3.3(RSPR)

NEIC 31 10:04:07.5, 19.04N, 64.72W, h71km, MD3.3(RSPR), After RSPR

RSPR 31 10:04:07.5, 19.04N, 64.72W, h71km, 5km, MD3.3/4, 5C-6D, Virgin Islands

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

ISK 31 10:12:35.0, 38.46N, 40.56E, h5km, MD2.8

ISC/JB 31 10:12:36.4, 0.6, 38.48N, 0.03, 40.57E, 0.04, h3km, 6km, Error ellipse: s-maj=5.7km s-min=4.6km az=179.2

DDA 31 10:12:36.1, 38.55N, 40.48E, h8km, gkm, MD2.9

CSEM 31 10:12:37.0, 0.6, 38.48N, 0.04, 40.56E, MD2.8, Error ellipse: s-maj=12.1km s-min=8.4km az=105.0

ISC 31 10:12:37.1, 0.5, 38.49N, 0.03, 40.58E, 0.04, h14km, 6km, n17, c107/30, Turkey

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

CASC 31 10:16:15.8, 2.9, 7.90N, 83.01W, h12km, 13km, MD3.8, 3D, Off coast of Costa Rica

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

ISC 31 11:14:31.8, 2.3, 4.6S, 128.70E, h0km, mb3.6/1, mb1.3/9, mb1mx3.5/17, mbmp3.7/3, ML3.8/1, Error ellipse: s-maj=174.5km s-min=29.1km az=68.0

NEIC 31 11:14:36.6, 2.5, 4.44S, 128.90E, h35km, mb3.9/1, Error ellipse: s-maj=266.0km s-min=13.6km az=67.0, Banda Sea

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

SLC, ISC/JB 31 11:15:45.8, 0.2, 44.50N, 0.02, 110.36W, 0.02, h10km, Error ellipse: s-maj=2.4km s-min=2.2km az=162.4

ISC 31 11:15:45.9, 0.2, 44.50N, 0.02, 110.36W, 0.02, h10km, n51, c102/71, 26C-17D, Yellowstone region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LWKY, LWKY, H17A, etc.

31d 11h

Table with columns: WRA, Warramunga Arr, 12.15 341 Pn, Pn, 11 42 17.6 +0.1

MOS 31 11:39:51.5, 1.0, 4.99N, 127.45E, h33km, mb5.7/58, MS4.5/8, Error ellipse: s-maj=10.0km s-min=4.6km

BUI 31 11:39:51.5, 4.41N, 127.59E, h77km, mb5.3/39, mb5.1/62, Ms4.9/50, Ms7.4/69

MAN 31 11:39:52.4, 7.6N, 127.33E, h16km, mb5.8, ML4.8, MS5.3 NEIC 31 11:39:53.0, 1.0, 4.92N, 127.44E, h39km, mb5.5/72

MW5.4, Error ellipse: s-maj=5.2km s-min=3.3km az=67.0, Moment Tensor Solution. s25 Moment tensor: Scale 10^17Nm; Mr:1.08; Mw:0.32; Mw0-1.40; Mw-0.42; Mw-0.70; Mw-0.75; Best double couple: Mo:1.70000x10^17 NP1: 0.3188.00000, 0.64.00000, 1.125.00000

ISCJB 31 11:39:55.5, 0.5, 4.93N, 0.02, 127.46E, 0.03, h71km, 3km, mb5.3/154 Error ellipse: s-maj=5.5km s-min=3.6km az=159.8

GCMT 31 11:39:56.7, 0.1, 5.02N, 127.33E, h61km, 1km, MW5.4, Moment Tensor Solution. s80, c119; s95, c176; Moment tensor: Scale 10^17Nm; Mr:0.91±.02; Mw:0.44±.02; Mw-1.36±.02; Mw-0.41±.02; Mw-0.75±.02; Mw-0.10±.02; Best double couple: Mo:1.40000x10^17 NP1: 0.192.00000, 0.55.00000, 1.139.00000

IDC 31 11:39:57.5, 1.1, 4.89N, 127.35E, h74km, 9km, mb4.9/28, mb1.4/30, mb1mx4.9/30, mbtmp4.9/30, MS4.4/24, Ms1.4/24, ms1mx4.3/32 Error ellipse: s-maj=14.6km s-min=6.9km az=79.0

DJA 31 11:39:59.4, 96N, 127.40E, h79km, mb5.4/41, ISC 31 11:39:57.0, 0.4, 4.92N, 0.02, 127.43E, 0.03, h76km, 3km, h75km±1.6km, pP-P, n503, 01902/461, mb5.3/154, 31C-41D, Talaud Islands

Main table for Talaud Islands with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual

2008 DEC

Main table for 2008 DEC with columns: COEN, Coen, 24.41 140 eP, P, 11 45 08.4 -0.8

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Main table for 1372 with columns: KSAR, Korea Array, 32.38 1 P, P, 11 49 08.6



31d 12h

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Table with columns for station name, frequency, power, and other technical details. Includes stations like ARU Arti, RAR Rarotonga, SOKR Solikamsk, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like OBN Obninsk, LVZ Lovozero, ANN Anapa, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like OKC Ostrava-Krasne, MORC Moravsky Brezov, etc.

CSEM 31 12:07:25.8 0.4, 44:64N; 10:65E, h2km, M2.8/5, Error ellipse: s-maj=6.7km s-min=4.4km az=93.0
ISCJ31 12:07:26.4 0.5, 44:55N; 0:04-10:53E, 0.09, h23km, 7km, Error ellipse: s-maj=11.2km s-min=5.5km az=160.1
ROM 12:07:26.0 0.1, 44:57N; 10:50E, h21km, 2km, M2.1/6, M2.2/6, Error ellipse: s-maj=4.3km s-min=1.9km az=86.0
ISC 31 12:07:26.7 0.5, 44:56N; 0:04-10:51E, 0.09, h20km, 7km, n18, c064/32, Northern Italy

2008 DEC

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Eremo, Gusciola, PARMIA, Pizzetto, Bagnoli Di Lucca, etc.

IDC 31 12:20:16.8:17.0,23.13S,-174.66W,h0km,mb4.2/5, mb1 4.3/5, mb1mx3.9/18, mbtmp4.2/5, Error ellipse: s-maj=313.7km s-min=134.1km az=82.0, Tonga Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Charters Tower, Stephens Creek, Alice Springs, Warramunga Arr, Fitzroy Crossi.

IDC 31 12:24:21.7:3.8, 4.8S:0.3:150.7E:0.3,h97km,33km, mb3.8/6, Error ellipse: s-maj=58.2km s-min=26.6km az=44.3

IDC 31 12:24:22.5:5.0, 4.95S:150.91E,h94km,44km,mb3.6/4, mb1 3.8/6, mb1mx3.5/17, mbtmp3.6/6, Error ellipse: s-maj=80.0km s-min=30.2km az=132.0

NEIC 31 12:24:22.9:2.4, 4.87S:150.82E,h97km,20km,mb3.8/3, Error ellipse: s-maj=28.6km s-min=18.5km az=129.0

ISC 31 12:24:22.9:3.4, 4.95S:0.3:150.8E:0.3,h97km,29km,n17, c0530/17, mb3.8/6, New Britain region

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

IDC 31 12:29:19.9:2.5, 9.92S:66.00E,h0km,mb3.6/5,mb1 3.7/5, mb1mx3.5/22, mbtmp3.6/5, MS3.7/5, Ms1 3.8/5, ms1mx3.4/24, Error ellipse: s-maj=75.3km s-min=33.2km az=60.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Ambohitrampito, Poona, Chiang Mai Arr, Fitzroy Crossi, etc.

IDC 31 12:38:20.5:4.8, 22.55N:94.14E,h100km,39km,mb3.1/3, mb1 3.2/4, mb1mx3.0/24, mbtmp3.0/4, Error ellipse: s-maj=97.7km s-min=24.4km az=60.0, Myanmar

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Chiang Mai Arr, Makanchi Arr, Warramunga Arr, Alice Springs.

DDA 31 13:01:35.6:3.7, 15N:30.75E,h5km,2km,Md3.2, ISCJB 31 13:01:37.9:0.5, 37.22N:0.03:30.53E:0.05,h13km,6km,

Error ellipse: s-maj=7.0km s-min=4.2km az=16.0, ISK 31 13:01:37.5:3.7, 22N:30.49E,h9km,Md2.8, CSEM 31 13:01:37.7:0.2, 37.19N:30.53E,h5km,Md2.8, Error ellipse: s-maj=5.8km s-min=3.9km az=112.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Bucak, Korkueki, Antalya, Isparta, Isparta, Elmalı, etc.

ISCJB 31 13:52:43.5:0.8, 24.13S:0.05:179.76W:0.10, h493km,10km,mb4.0/15, Error ellipse: s-maj=13.9km s-min=7.1km az=177.4

IDC 31 13:52:43.1:3.5, 24.05S:179.64W,h481km,36km, mb3.6/12, mb1 3.8/13, mb1mx3.7/17, mbtmp3.6/13, Error ellipse: s-maj=22.8km s-min=14.9km az=65.0

NEIC 31 13:52:44.1:0.9, 24.08S:179.63W,h496km,9km,mb4.3/5, Error ellipse: s-maj=12.5km s-min=11.0km az=110.0

ISC 31 13:52:45.4:0.9, 24.22S:0.05:179.71W:0.10, h506km,10km,n9, c1015/55, mb4.0/15, 6C-2D, South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Raoul Island, Nonsava, Dumzumac, Puketiti, Urewera, etc.

ISC 31 13:54:21.6:0.2, 37.05N:0.03:137.55E:0.04, h253km,2km,mb4.2/54, Error ellipse: s-maj=5.5km s-min=4.5km az=32.6

MOS 31 13:54:20.3:1.0, 37.14N:137.54E,h250km,mb5.2/20, Error ellipse: s-maj=10.3km s-min=6.9km az=118.5

JMA 31 13:54:21.9:0.2, 37.01N:137.00E,h252km,2km,M4.6, Broadband fault plane solution: P waves: NP1: p=224.00000; s=663.00000; a=112.00000. NP2:p=2.00000; s=85.00000; a=54.00000. Principal axes: T:Pg65.0000; Azm174.0000; N:Pg20.0000; Azm34.0000; P:Pg15.0000; Azm298.0000;

JMA Flt J1, IDC 31 13:54:21.3:0.4, 37.03N:137.35E,h242km,3km,mb3.8/26, mb1 3.9/27, mb1mx3.9/31, mbtmp3.8/27, Error ellipse: s-maj=10.0km s-min=7.5km az=83.0

NEIC 31 13:54:21.5:0.4, 37.09N:137.49E,h245km,4km,mb4.4/24, Error ellipse: s-maj=6.1km s-min=5.7km az=112.0

NEIC recorded (JMA) in Fukui, Japan and Izaraki, ISC 31 13:54:21.6:0.2, 37.05N:0.03:137.55E:0.04, h247km,1km, h249km,6.0km,pP,n190, c084/215, mb4.2/54, 12C-7D, Near west coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Suzu, Ttatey, Nakama, Matushiro, etc.

31d 13h

Table with columns: AKTO, ARCES, FINES, etc. Includes stations like Aktubinsk, ARCES Array B, FINES FINES Array B, etc.

GERES GERES Array B 153.27 340 PKPbc PKPbc 14 11 45.1 -0.4

GERES GERES Array B 153.27 340 PKPbc PKPbc 14 11 45.1 -0.4

TORD Tordi Arr. Bea 168.88 187 PKP PKP 14 11 53.7 -1.1

TORD Tordi Arr. Bea 168.88 187 PKP PKP 14 11 53.7 -1.1

NIED 31 13:54:00.37:00N:137.50E,h250km,Mw4.5 Best double couple: M6.11000x10^15 NP1:p=237.00000; s=665.00000; a=131.00000. NP2:p=353.00000; s=647.00000; a=135.00000.

ISCJB 31 13:54:20.5:0.2, 37.05N:0.03:137.55E:0.04, h253km,2km,mb4.2/54, Error ellipse: s-maj=5.5km s-min=4.5km az=32.6

MOS 31 13:54:20.3:1.0, 37.14N:137.54E,h250km,mb5.2/20, Error ellipse: s-maj=10.3km s-min=6.9km az=118.5

JMA 31 13:54:21.9:0.2, 37.01N:137.00E,h252km,2km,M4.6, Broadband fault plane solution: P waves: NP1: p=224.00000; s=663.00000; a=112.00000. NP2:p=2.00000; s=85.00000; a=54.00000. Principal axes: T:Pg65.0000; Azm174.0000; N:Pg20.0000; Azm34.0000; P:Pg15.0000; Azm298.0000;

JMA Flt J1, IDC 31 13:54:21.3:0.4, 37.03N:137.35E,h242km,3km,mb3.8/26, mb1 3.9/27, mb1mx3.9/31, mbtmp3.8/27, Error ellipse: s-maj=10.0km s-min=7.5km az=83.0

NEIC 31 13:54:21.5:0.4, 37.09N:137.49E,h245km,4km,mb4.4/24, Error ellipse: s-maj=6.1km s-min=5.7km az=112.0

NEIC recorded (JMA) in Fukui, Japan and Izaraki, ISC 31 13:54:21.6:0.2, 37.05N:0.03:137.55E:0.04, h247km,1km, h249km,6.0km,pP,n190, c084/215, mb4.2/54, 12C-7D, Near west coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Suzu, Ttatey, Nakama, Matushiro, etc.

31d 14h

Table with columns: YUK, Yuzh-Kuril'sk, 9.41, 40d, Pn, S, 13 56 30.7, -1.9, 13 58 09.7, -8.9, etc. Lists various stations and their coordinates.

2008 DEC

Table with columns: KKN, Kakani, 44.60 274, eP, P, 14 02 10.2, +0.7, etc. Lists various stations and their coordinates.

1376

Table with columns: FINES, FINESS Array B, 67.33 331, P, P, 14 04 49.4, -0.2, etc. Lists various stations and their coordinates.







Table with columns: Station ID, Name, Frequency, Power, Direction, Azimuth, Elevation, SNR, and other technical details. Includes stations like Clinton, Farson, Spence Gulch, Owens Ranch, etc.

Table with columns: Station ID, Name, Frequency, Power, Direction, Azimuth, Elevation, SNR, and other technical details. Includes stations like Martinsdale, Double T Ranch, Red Feather La, Kim, Chengdu, etc.

Table with columns: Station ID, Name, Frequency, Power, Direction, Azimuth, Elevation, SNR, and other technical details. Includes stations like LZH, Underwood Farm, Klindworth Farm, La Casta Ranch, etc.

31d 14h

2008 DEC

1380

Table with columns: Station, Frequency, Mode, and other technical details. Includes stations like MK31 Makanchi Array, MKAR Makanchi Array, and various other radio stations.

Table with columns: Station, Frequency, Mode, and other technical details. Includes stations like KMBO Kilima Mbogo, JOF Joensuu, and various other radio stations.

Table with columns: Station, Frequency, Mode, and other technical details. Includes stations like EDI Edinburgh, EAU Auncheon, and various other radio stations.

Table with columns: BRG, comp, elevation, frequency, and other technical details for stations like Berggiesshübel, Uludag, Michaelchurch, etc.

Table with columns: BRG, comp, elevation, frequency, and other technical details for stations like Fort de Pagny, Valandou, Maizieres Jvi, etc.

Table with columns: BRG, comp, elevation, frequency, and other technical details for stations like Kesra, Tamanrasset, Prui 31, etc.





1383

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like ODAN Odare, VOSK Vostochnaya, ZRNK Zerenda, etc.

2008 DEC

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like CMAR comp=N,2.2nm,0.7s,mb3.9, etc.

31d 14h

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

CSEM 31 14:57:56.0, 0.2, 38.76N, 23.47E, h19km, ML1.7/3, Error ellipse: s-maj=5.3km s-min=3.2km az=63.0
ATH 31 14:57:56.8, 38.75N, 23.39E, h21km, 2km, ML2.3
THE 31 14:57:55.9, 38.74N, 23.46E, h18km, ML1.7/3, Error ellipse: s-maj=0.8km s-min=0.4km az=192.0, Greece

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and Resolution. Includes stations like MRKA Markates, CPUP Villa Florida, etc.





31d 16h

Table of station data for 31d 16h, including columns for station name, frequency, power, and location. Includes stations like KKAR Karatay Array, CHMS Chumysh, and various other stations across the region.

2008 DEC

Table of station data for 2008 DEC, including columns for station name, frequency, power, and location. Includes stations like ESDC Sonseca Array, ILAR Eielson Array, and various other stations.

1386

Table of station data for 1386, including columns for station name, frequency, power, and location. Includes stations like DDI Dehra Dun, SMLA Simla, and various other stations.

KURK	Kurchatov	61.14 318	P	P	17 07 00.1	-0.8
KURK	Kurchatov	61.14 318	P	P	17 07 00.1	-0.8
BVAR	Borovyoye Array	66.32 320	P	P	17 07 35.2	+0.6
BVAR	Borovyoye Array	66.32 320	P	P	17 07 35.2	+0.6
FINES	FINES Array B	86.64 335	P	P	17 09 26.9	-1.4
FINES	FINES Array B	86.64 335	P	P	17 09 26.9	-1.4

NEIC 31 17:22.2.1, 35:95S-178:28E, h204km, MG3.7(WEL), After WEL

WEL 31 17:22.4.0.3, 35:97S-178:21E, h198km, qm, ML3.7/9, Error ellipse: s-maj=6.0km s-min=4.5km az=30.0, Off east coast of North Island

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
				h m s	ISC
MXZ	Matakaoa Point	1.59 177	Op	17 12 56.9	+0.2
MXZ	Matakaoa Point	1.59 177	Pn	17 12 56.9	+0.2
MXZ	Matakaoa Point	1.59 177	Sn	17 12 56.9	+0.2
MXZ	Matakaoa Point	1.59 177	Pn	17 12 56.9	+0.2
PUZ	Puketiti	2.10 179	Op	17 13 01.7	0.0
PUZ	Puketiti	2.10 179	Pn	17 13 01.7	-0.8
PUZ	Puketiti	2.10 179	Sn	17 13 01.7	0.0
MWZ	Matawai	2.42 193	Op	17 13 05.5	+0.3
MWZ	Matawai	2.42 193	Pn	17 13 05.5	+0.3
MWZ	Matawai	2.42 193	Sn	17 13 05.5	+0.3
URZ	Urewera	2.44 201	Op	17 13 08.9	+0.1
URZ	Urewera	2.44 201	Pn	17 13 08.9	+0.1
URZ	Urewera	2.44 201	Sn	17 13 08.9	+0.1
CNGZ	Carnagh Statio	2.51 180	Op	17 13 06.7	+0.5
CNGZ	Carnagh Statio	2.51 180	Pn	17 13 06.7	+0.5
PRGZ	Paritu Road	2.96 185	Op	17 13 11.6	+0.2
PRGZ	Paritu Road	2.96 185	Pn	17 13 11.6	+0.2
KNZ	Kokohu	3.07 188	Op	17 13 12.5	-0.2
KNZ	Kokohu	3.07 188	Pn	17 13 12.5	-0.2
RAHZ	Arahi	3.07 197	Op	17 13 13.2	+0.5
RAHZ	Arahi	3.07 197	Pn	17 13 13.2	+0.5
NMHZ	Naumai	3.31 199	Op	17 13 16.3	+0.7
NMHZ	Naumai	3.31 199	Pn	17 13 16.3	+0.7
BKZ	Black Stump Fm	3.47 203	Op	17 13 17.6	+0.1
BKZ	Black Stump Fm	3.47 203	Pn	17 13 17.6	+0.1
MCHZ	McNeill Hill	3.67 199	Op	17 13 20.0	+0.1
MCHZ	McNeill Hill	3.67 199	Pn	17 13 20.0	+0.1
CKHZ	Cape Kidnapper	3.79 193	Op	17 13 20.0	-0.7
CKHZ	Cape Kidnapper	3.79 193	Pn	17 13 20.0	-0.7
BHHZ	Black Hill Sta	3.90 205	Op	17 13 22.0	-0.8
BHHZ	Black Hill Sta	3.90 205	Pn	17 13 22.0	-0.8
MOVZ	Moawhango	3.94 209	Op	17 13 22.8	-0.5
MOVZ	Moawhango	3.94 209	Pn	17 13 22.8	-0.5
PXZ	Pawanui	4.19 194	Op	17 13 25.3	-1.1
PXZ	Pawanui	4.19 194	Pn	17 13 25.3	-1.1
PNHZ	Pukeni	4.24 201	Op	17 13 23.2	-3.8
PRHZ	Porangahau	4.46 196	Op	17 13 28.8	-1.0
PRHZ	Porangahau	4.46 196	Pn	17 13 28.8	-1.0
BFZ	Birch Farm	4.95 198	Op	17 13 34.5	-1.5
BFZ	Birch Farm	4.95 198	Pn	17 13 34.5	-1.5
MRZ	Mangatainoka R	5.12 203	Op	17 13 36.4	-1.8
MRZ	Mangatainoka R	5.12 203	Pn	17 13 36.4	-1.8
HOWZ	Holdswoth Sta	5.35 202	Op	17 13 38.9	-2.3
HOWZ	Holdswoth Sta	5.35 202	Pn	17 13 38.9	-2.3
CGWZ	Claki Gorge	5.39 205	Op	17 13 39.9	-1.8
CGWZ	Claki Gorge	5.39 205	Pn	17 13 39.9	-1.8
TCW	Tory Channel	6.07 209	Op	17 13 47.9	-2.6
TCW	Tory Channel	6.07 209	Pn	17 13 47.9	-2.6
NNZ	Nelson	6.46 214	Op	17 13 53.2	-2.2
NNZ	Nelson	6.46 214	Pn	17 13 53.2	-2.2
THZ	Topohouse	7.11 214	Op	17 14 01.7	-2.2
THZ	Topohouse	7.11 214	Pn	17 14 01.7	-2.2
KHZ	Kahutara	7.38 208	Op	17 14 04.8	-2.7
KHZ	Kahutara	7.38 208	Pn	17 14 04.8	-2.7

NNC 31 17:12:50.7-4.8, 37:21N-70:35E, h0km, mb3.8, mpv3.7, 1C-3D, Error ellipse: s-maj=37.7km s-min=36.4km az=72.0, Afghanistan-Tajikistan border region

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
				h m s	ISC
KK31	Karatay Array	5.88 1	Op	17 14 22.2	+3.1
KK31	Karatay Array	5.88 1	Pn	17 14 22.2	+3.1
KK31	Karatay Array	5.88 1	Sn	17 14 22.2	+3.1
TKM2	Tokmak 2	6.98 34	Op	17 15 34.0	+6.7
TKM2	Tokmak 2	6.98 34	Pn	17 15 34.0	-0.8
TKM2	Tokmak 2	6.98 34	Sn	17 15 34.0	-0.8
AB31	Akbulak array	14.21 331	Op	17 16 12.8	-0.2
AB31	Akbulak array	14.21 331	Pn	17 16 12.8	-0.2
AB31	Akbulak array	14.21 331	Sn	17 16 12.8	-0.2

IGQ 31 17:15:08.3, 1:31N-78:90W, h16km, 2km, Mb4.0, Ms3.8, 5C-6D, Error ellipse: s-maj=3.3km s-min=2.5km az=151.8, Colombia-Ecuador border region

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
				h m s	ISC
COTA	Cotacachi	1.12 150	Op	17 15 45.0	+1.3
COTA	Cotacachi	1.12 150	Pn	17 15 45.0	+1.3
COTA	Cotacachi	1.12 150	Sn	17 15 45.0	+1.3
GOLV	Golondrinas	1.12 192	Op	17 15 29.8	+0.4
GOLV	Golondrinas	1.12 192	Pn	17 15 29.8	+0.4
GOLV	Golondrinas	1.12 192	Sn	17 15 29.8	+0.4
OTAV	Otavalo	1.16 157	Op	17 15 46.1	+1.4
OTAV	Otavalo	1.16 157	Pn	17 15 46.1	+1.4
OTAV	Otavalo	1.16 157	Sn	17 15 46.1	+1.4
YANA	Yana	1.46 167	Op	17 15 53.3	+2.5
YANA	Yana	1.46 167	Pn	17 15 53.3	+2.5
YANA	Yana	1.46 167	Sn	17 15 53.3	+2.5
PINO	Pino	1.49 169	Op	17 15 37.2	+2.7
PINO	Pino	1.49 169	Pn	17 15 37.2	+2.7
PINO	Pino	1.49 169	Sn	17 15 37.2	+2.7
TERV	Terraza Guagua	1.51 169	Op	17 15 56.7	+2.7
TERV	Terraza Guagua	1.51 169	Pn	17 15 56.7	+2.7
TERV	Terraza Guagua	1.51 169	Sn	17 15 56.7	+2.7
GGP	Refugio Guagua	1.51 168	Op	17 15 58.8	+1.8
GGP	Refugio Guagua	1.51 168	Pn	17 15 58.8	+1.8
GGP	Refugio Guagua	1.51 168	Sn	17 15 58.8	+1.8
CAYA	Cayambe	1.52 168	Op	17 15 37.0	+2.3
CAYA	Cayambe	1.52 168	Pn	17 15 37.0	+2.3
CAYA	Cayambe	1.52 168	Sn	17 15 37.0	+2.3
JUA2	San Juan 2	1.54 169	Op	17 15 56.5	+1.6
JUA2	San Juan 2	1.54 169	Pn	17 15 56.5	+1.6
JUA2	San Juan 2	1.54 169	Sn	17 15 56.5	+1.6
CAYR	Refugio Cayamb	1.57 145	Op	17 15 38.1	+2.6
CAYR	Refugio Cayamb	1.57 145	Pn	17 15 38.1	+2.6
CAYR	Refugio Cayamb	1.57 145	Sn	17 15 38.1	+2.6
CHAR	Charly	1.85 139	Op	17 15 42.1	+1.9
CHAR	Charly	1.85 139	Pn	17 15 42.1	+1.9
CHAR	Charly	1.85 139	Sn	17 15 42.1	+1.9
CONE	Coro NE Rev Vo	1.86 138	Op	17 15 41.5	+1.9
CONE	Coro NE Rev Vo	1.86 138	Pn	17 15 41.5	+1.9
CONE	Coro NE Rev Vo	1.86 138	Sn	17 15 41.5	+1.9
ANTI	Antisana	1.90 127	Op	17 15 43.0	+2.7
ANTI	Antisana	1.90 127	Pn	17 15 43.0	+2.7
ANTI	Antisana	1.90 127	Sn	17 15 43.0	+2.7
PITA	Cotopaxi Volc	1.92 166	Op	17 15 44.9	+3.2
PITA	Cotopaxi Volc	1.92 166	Pn	17 15 44.9	+3.2
PITA	Cotopaxi Volc	1.92 166	Sn	17 15 44.9	+3.2
VC1	Cotopaxi Volc	2.00 166	Op	17 15 12.4	+5.7
VC1	Cotopaxi Volc	2.00 166	Pn	17 15 12.4	+5.7
VC1	Cotopaxi Volc	2.00 166	Sn	17 15 12.4	+5.7
BV2C	Cotopaxi Volc	2.02 167	Op	17 15 45.0	+3.2
BV2C	Cotopaxi Volc	2.02 167	Pn	17 15 45.0	+3.2
BV2C	Cotopaxi Volc	2.02 167	Sn	17 15 45.0	+3.2
BREF	Cotopaxi Volc	2.04 166	Op	17 15 45.2	+3.2
BREF	Cotopaxi Volc	2.04 166	Pn	17 15 45.2	+3.2
BREF	Cotopaxi Volc	2.04 166	Sn	17 15 45.2	+3.2
COV1	Cotopaxi Volc	2.04 164	Op	17 16 09.7	+2.6
COV1	Cotopaxi Volc	2.04 164	Pn	17 16 09.7	+2.6
COV1	Cotopaxi Volc	2.04 164	Sn	17 16 09.7	+2.6
JAMA	Jama	2.04 220	Op	17 15 45.2	+2.6
JAMA	Jama	2.04 220	Pn	17 15 45.2	+2.6
JAMA	Jama	2.04 220	Sn	17 15 45.2	+2.6
EMOR	Cotopaxi Volca	2.41 168	Op	17 15 50.6	+3.3
EMOR	Cotopaxi Volca	2.41 168	Pn	17 15 50.6	+3.3
EMOR	Cotopaxi Volca	2.41 168	Sn	17 15 50.6	+3.3
PISA	Pisayambo	2.98 218	Op	17 16 31.9	+1.6
PISA	Pisayambo	2.98 218	Pn	17 16 31.9	+1.6
PISA	Pisayambo	2.98 218	Sn	17 16 31.9	+1.6
CHIS	Cerro-Chispas-	2.98 218	Op	17 15 55.9	+1.0
CHIS	Cerro-Chispas-	2.98 218	Pn	17 15 55.9	+1.0
CHIS	Cerro-Chispas-	2.98 218	Sn	17 15 55.9	+1.0

FUNV 31 17:15:22.7, 10:05N-69:99W, h5km, MW3.6, 3C-5D, Venezuela

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
				h m s	ISC
CURV	Curarigua	0.05 138	Op	17 15 23.9	0.0
CURV	Curarigua	0.05 138	Pn	17 15 23.9	0.0
CURV	Curarigua	0.05 138	Sn	17 15 23.9	0.0
QARV	Quebrada Arrib	0.55 287	Op	17 15 32.9	-0.3
QARV	Quebrada Arrib	0.55 287	Pn	17 15 32.9	-0.3
QARV	Quebrada Arrib	0.55 287	Sn	17 15 32.9	-0.3
SIOV	Siquisiqui	0.62 177	Op	17 15 34.5	+0.2
SIOV	Siquisiqui	0.62 177	Pn	17 15 34.5	+0.2
SIOV	Siquisiqui	0.62 177	Sn	17 15 34.5	+0.2
SANV	Sanarito	0.71 140	Op	17 15 35.2	-1.0
SANV	Sanarito	0.71 140	Pn	17 15 35.2	-1.0
SANV	Sanarito	0.71 140	Sn	17 15 35.2	-1.0
TEPV	Terapaima	0.79 96	Op	17 15 37.3	-0.7
TEPV	Terapaima	0.79 96	Pn	17 15 37.3	-0.7
TEPV	Terapaima	0.79 96	Sn	17 15 37.3	-0.7
DABV	Dabajuro	1.07 324	Op	17 15 43.2	+0.2
DABV	Dabajuro	1.07 324	Pn	17 15 43.2	+0.2
DABV	Dabajuro	1.07 324	Sn	17 15 43.2	+0.2
MAPV	Macapo	1.53 98	Op	17 15 58.0	+0.7
MAPV	Macapo	1.53 98	Pn	17 15 58.0	+0.7
MAPV	Macapo	1.53 98	Sn	17 15 58.0	+0.7
JACV	Jacura	1.54 48	Op	17 15 51.2	+0.3
JACV	Jacura	1.54 48	Pn	17 15 51.2	+0.3
JACV	Jacura	1.54 48	Sn	17 15 51.2	+0.3
VIGV	El Vigia	1.81 229	Op	17 15 54.5	-1.3
VIGV	El Vigia	1.81 229	Pn	17 15 54.5	-1.3
VIGV	El Vigia	1.81 229	Sn	17 15 54.5	-1.3
MONV	Montecano	1.90 1	Op	17 15 56.1	-0.4
MONV	Montecano	1.90 1	Pn	17 15 56.1	-0.4
MONV	Montecano	1.90 1	Sn	17 15 56.1	-0.4
SOCV	Socops	1.95 206	Op	17 16 20.8	-0.6
SOCV	Socops	1.95 206	Pn	17 16 20.8	-0.6
SOCV	Socops	1.95 206	Sn	17 16 20.8	-0.6
TURV	Turiamo	2.16 79	Op	17 15 58.2	-1.2
TURV	Turiamo	2.16 79	Pn	17 15 58.2	-1.2
TURV	Turiamo	2.16 79	Sn	17 15 58.2	-1.2

BAUV	Ei Baul	2.22 120	Op	17 15 60.0	-0.2
BAUV	Ei Baul	2.22 120	Pn	17 15 60.0	-0.2
BAUV	Ei Baul	2.22 120	Sn	17 15 60.0	-0.2
BAUV	Villa del Rosa	2.42 281	Op	17 16 01.7	-1.2
BAUV	Villa del Rosa	2.42 281	Pn	17 16 01.7	-1.2
BAUV	Villa del Rosa	2.42 281	Sn	17 16 01.7	-1.2
IMRV	Isia Los Monje	2.46 339	Op	17 16 03.1	-0.5
IMRV	Isia Los				

31 Dec 19h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Black Ridge, Agassiz Nation, ULM, etc.

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

IDC 31 18:07:31.0.2.1,6.44S:129.47E, h0km, mb3.3/1, mb1 3.5/4, mb1mx3.4/15, mbtmp3.4/4, ML3.1/3, Error ellipse: s-maj=92.9km s-min=27.7km az=76.0, Banda Sea

Main table for 31 Dec 19h with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MSVF, CTX, CTZ, CTY, CTX, CTZ, CTY, etc.

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

2008 DEC

0.4nm,0.7s,baz=120,slow=4.8,SNR=4.7 KURK Kurchatov 61.72 327 P P 18 27 12.0 -0.6

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

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

ISC/JB 31 18:35:14.9.0.7,39.140N,0.03:23.97E,0.04,h12km,4km, Error ellipse: s-maj=6.0km s-min=3.8km az=37.0

ISC 31 18:35:15.0.6,39.39N,0.03:23.98E,0.04,h17km,3km, n32,0876/59, Aegean Sea

Main table for 2008 DEC with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AOS, PAIG, PAIG, etc.

IDC 31 18:35:57.3.2.1,6.78S:128.92E, h0km, mb3.4/1, mb1 3.7/4, mb1mx3.4/15, mbtmp3.5/4, ML3.4/3, Error ellipse: s-maj=90.1km s-min=28.1km az=75.0, Banda Sea

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

ISC/JB 31 19:01:10.2.0.7,39.148N,0.02:25.13E,0.02,h3km,5km, mb1 3.7/4, mb1mx3.4/15, mbtmp3.5/4, ML3.4/3, Error ellipse: s-maj=90.1km s-min=28.1km az=75.0, Banda Sea

Main table for 31 Dec 19h (continued) with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FITZ, WRA, ASAR, MKAR, etc.

1388

Main table for 1388 with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AOS, PAIG, PAIG, etc.



Ms 1.3 7/10, ms1mx3.4/44, Error ellipse: s-maj=13.7km s-min=9.3km az=14.0 NEIC 31 19:02:38.0i.3.6.55:45N:166:38E, h9km, 23km, mb4.5/8, Error ellipse: s-maj=10.5km s-min=6.1km az=170.0 MOS 31 19:02:38.0i.1.4.55:37N:166:42E, h23km, mb4.3/18, Error ellipse: s-maj=11.8km s-min=9.3km az=106.7 ISCJB 31 19:02:38.0i.7.55:36N:0.05:166:38E:0.04, h27km, 5km, mb4.1/32, MS3.7/9, Error ellipse: s-maj=8.4km s-min=4.2km az=179.1 KRSC 31 19:02:39.1i.0.6.55:31N:166:19E, h22km, 22km, ML4.6 BUJ 31 19:02:47.4, 56:42N:166:12E, h86km, mb4.8/22, mb4.4/4, Ms4.5/2, Ms7.4/22

ISC 31 19:02:39.8.0.8.55:32N:0.05:166:39E:0.04, h22km, 6km, n124, c1925/140, mb4.1/32, MS3.7/9, 2C-2D, Komandorsky Islands region

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

Main table of seismic events with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes events like MK31, MKAR, MKAR, etc.

ISC 31 19:07:38.8i.3.1.22:38N:122:09E, h0km, mb3.4/4, mb1.3/6.4, mb1mx3.3/20, mbtm3.3/4, Error ellipse: s-maj=268.3km s-min=22.7km az=63.0 NEIC 31 19:07:41.6i.0.8.21:38N:122:27E, h10km, Error ellipse: s-maj=29.3km s-min=9.5km az=81.0 ISCJB 31 19:07:46.0i.0.5:22:21N:0.03:121:36E:0.03, h23km, 4km, mb3.3/4, Error ellipse: s-maj=5.1km s-min=4.8km az=22.7 TAP 31 19:07:46.3, 22:21N:121:31E, h33km, ML3.7, B ISC 31 19:07:46.4i.0.5.22:20N:0.03:121:33E:0.03, h22km, 4km, n60, c093/91, mb3.3/4, 9C-3D, Taiwan region

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like TWK1, TTN, TTN, etc.

ISC 31 19:41:13.0i.4.8.31:53S:176:55W, h0km, mb3.9/3, mb1.4/1.3, mb1mx3.8/16, mbtm3.3/9, Error ellipse: s-maj=195.8km s-min=53.4km az=161.0 ISC 31 19:41:18.2i.3.0.31:45S:0.1:176:5W:0.0, h35km, n7, c067/9, mb3.9/3, Kermadec Islands region

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





31d 21h

2008 DEC

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Table with columns: Call Sign, Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like Q16A Castle Valley, P18A Preston Nutter, R15A Junction, etc.

Table with columns: Call Sign, Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like F18A Big Timber, E19A Rath Farm, CMB Columbia Colle, etc.

Table with columns: Call Sign, Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like RJF Les Rejaudoux, RJF Les Rejaudoux, ESK Eskdalemuir, etc.

IDD 31 21:54:46.4.1.2, 17.31N;40.43E, h0km, mb3.77, mb1 3.9/8, mb1mx3.7/25, mbtrmp3.8/8, ML3.0/1, MS3.8/9, Ms1 3.8/9, ms1mx3.5/34, Error ellipse: s-maj=28.4km s-min=23.4km az=166.0

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MAN 31 22:06:00, etc.

ISCJB 31 22:08:50.0, 4.0, 38.68N, 0.03:22:53E, h27km, 4km, Error ellipse: s-maj=5.0km s-min=4.0km az=150.8

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DBIC Dimbokro, DBIC Dimbokro, BOSA Boshof, etc.

NEIC 31 22:27:43.9, 20:30N, 99:20W, h5km, MD3.6(MEX), After MEX.

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

ISCJB 31 22:36:12.6, 0.4, 41.82N, 0.02:22:84E, h10km, Error ellipse: s-maj=4.5km s-min=2.5km az=163.5

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

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

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



31d 23h

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like DAV, MATI, CTBH, etc.

2008 DEC

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

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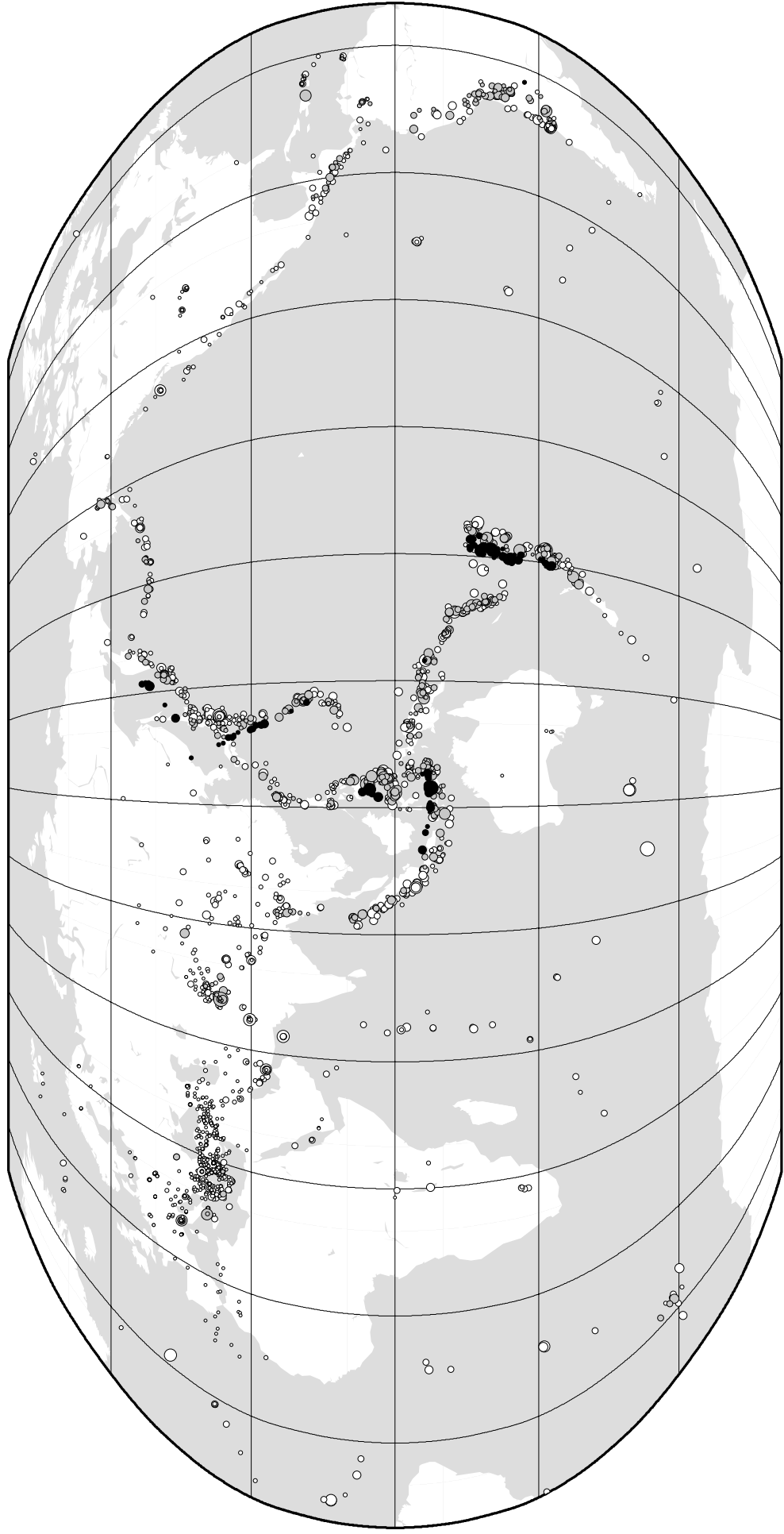
Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like TXAR, TORD, CAIG, etc.





AVF	Avril sur Loir	84.35 333	eP	P	00 02 22.0	0.0
	comp=Z,13nm,0.7s,mb4.9					
AVF	Avril sur Loir	84.35 333	eP	P	00 02 22.0	0.0
AVF			pmax	pmax		
	comp=Z,13nm,0.7s,mb4.9					
MFF	Saint Martin d	85.65 335	eP	P	00 02 28.8	+0.1
	comp=Z,12nm,0.9s,mb4.5					
MFF	Saint Martin d	85.65 335	eP	P	00 02 28.8	+0.3
	comp=Z,12nm,0.9s,mb4.8					
MFF	Saint Martin d	85.65 335	eP	P	00 02 28.8	+0.3
MFF			pmax	pmax		
	comp=Z,12nm,0.9s,mb4.8					
TXAR	Lajitas Array	86.36 53	P	P	00 02 32.3	-0.1
	comp=Z,1.0nm,0.6s,mb3.9,baz=293,slow=3.5,SNR=19					
TXAR	Lajitas Array	86.36 53	P	P	00 02 32.3	-0.1
TXAR	Lajitas Array	86.36 53	P	P	00 02 32.3	0.0
CAF	Calviac	86.42 333	eP	P	00 02 33.3	+0.8
	comp=Z,26nm,1.0s,mb4.8					
CAF	Calviac	86.42 333	eP	P	00 02 33.3	+1.0
CAF	Calviac	86.42 333	eP	P	00 02 33.3	+1.0
CAF			pmax	pmax		
	comp=Z,27nm,1.0s,mb5.1					
ATD	Arta Tunnel	99.43 285	LR	LR	00 49 09.7	
	comp=Z,48nm,18.4s,baz=189,slow=40					
ESDC	Sonsec Array	93.10 335	P	P	00 03 04.1	+0.3
	comp=Z,0.4nm,0.6s,mb4.0,baz=25,slow=2.8,SNR=4.0					
ESDC	Sonsec Array	93.10 335	P	P	00 03 04.1	+0.3
ADH	Angra Heroismo	99.08 352	eP	Pdif	00 03 18.4	+13
ADH			eS		00 03 28.1	
ADH			A		00 03 30.1	
	comp=Z,77nm,0.3s					
ROSA	Rosais	99.11 353	eP	Pdif	00 03 27.8	+3.4
ROSA			eS		00 03 43.7	
ROSA			A		00 03 44.4	
	comp=Z,78nm,0.6s					

# ISC Computed Locations for December 2008



Robinson Projection, centred on 0°N,130°E

