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**All data, including phase data, are available on CD-ROM  
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## Addendum

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 been adopted by the ISC (Storchak, D.A., J. Schweitzer, P. Bormann (2003) The IASPEI Standard Seismic Phase List, Seismological Research Letters 74, 6, 761-772).

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, 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,  
 n2, n15/21, mb4.4/9, 1C, South of Fiji Islands

Code	Station Name	A <sup>1</sup>	AZ <sup>2</sup>	Phase ID	Op	ISC	Time	Res
							h m s	ISC
HBZ	Hicks Bay	15.41	186	eP	P	P	18 48 53.1	-1.7
URZ	Urewera	16.21	189	P	P	P	18 49 01.5	-0.9
MRZ	Mangalainoka R	18.81	192	eP	P	P	18 49 26.7	0.0
DIW	D'Urville Isla	19.30	195	eP	P	P	18 49 27.3	-3.9
CAW	Cannon Point	19.34	192	eP	P	P	18 49 31.7	+0.1
OTW	Orongorongo Tu	19.52	192	eP	P	P	18 49 33.0	-0.2
MOW	Moikau	19.61	192	eP	P	P	18 49 35.5	+1.5
THZ	Tophouse	20.46	196	eP	P	P	18 49 42.0	+0.2
KHZ	Kahutara	20.93	194	P	P	P	18 49 46.2	+0.2
ARMA	Armidale	27.03	246	eP	P	P	18 50 42.4	+2.3
	4.9nm, 0.5s, mb4.4							
CTA	Charters Tower	31.93	267	iP	P	P	18 51 22.3	+0.4
	13nm, 0.5s, mb4.8							
STKA	Stephens Creek	35.75	246	eP	P	P	18 51 55.3	+1.8
	3.1nm, 0.4s, mb4.2							
ASAR	Alice Springs	42.74	259	P	P	P	18 52 50.1	+0.3
	9.8nm, 0.5s, mb4.6, baz=92, slow=8.2, SNR=47							
ASAR				S	S	S	18 58 31.3	-0.1
	1.0nm, 0.8s, baz=95, slow=15, SNR=5.7							
ASPA	Alice Springs	42.74	259	eP	P	P	18 52 50.1	+0.2
WRA	Warramunga Arr	42.96	264	P	P	P	18 52 51.0	-0.7
	1.8nm, 0.3s, mb4.0, baz=96, slow=7.8, SNR=93							
WRA				S	S	S	18 58 33.0	-1.5
	0.3nm, 0.9s, baz=99, slow=14, SNR=3.0							
KAKA	Kakadu	46.64	273	eP	P	P	18 53 18.2	-1.8
	14nm, 0.4s, mb4.8							
FITZ	Fitzroy Crossi	51.39	264	eP	P	P	18 53 54.3	-0.7
	12nm, 0.3s, mb4.8							
MBWA	Marble Bar	56.08	259	eP	P	P	18 54 27.1	-0.7
	11nm, 0.6s, mb4.2							
CMAR	Chiang Mai Arr	89.35	290	P	P	P	18 57 38.1	+1.0
	1.3nm, 0.6s, mb0.8, baz=135, slow=3.1, SNR=8.1							
ARCES	ARCCESS Array B	130.36	349	PKP	PKP	PKP	19 03 43.7	-0.5
	0.7nm, 0.6s, baz=282, slow=4.2, SNR=3.5							
FINES	FINES Array B	137.02	342	PKP	PKP	PKP	19 03 57.3	+0.5
	3.7nm, 1.1s, baz=158, slow=3.2, SNR=3.4							
MLR	Muntele Rosu	148.85	324	PKPbc	PKP	PKP	19 04 22.7	+5.2
	0.2nm, 0.7s, baz=1.2, slow=23, SNR=2.3							

### Epicentral Estimates

Origin times - The superscripts have been removed and a simpler format adopted.

Magnitudes - All magnitudes that were reported to the ISC are now shown. Only two per agency were allowed in the past.

Error Ellipses - The keywords have been shortened.

### Observational Data

The station code, station name, epicentral distance and azimuth are all shown in **bold** for Initial phases. For Secondary phases, only the station code (in normal font) is repeated.

Phase ID's - The Operator's identification is shown in normal font. The Operator's residual is no longer printed. When the arrival time of an initial or secondary phase has contributed to the location - the ISC's identification, the arrival time and the ISC's travel-time residual are all shown in **bold**.

Phase Parameters - The following parameters are included on supplementary lines where appropriate :-

Component, amplitude and period (or logA/T) - reported by the Operator.

Station magnitude estimate - computed by the ISC.

Slowness, Back-Azimuth, Signal-to-Noise ratio - measured by the Operator.







SNY	Shenyang	46.99	27	↑	P	00 58 11.2	-0.4
SNY					AP	00 58 18.2	-0.6
SNY					AMB		
comp=Z,50nm,0.8s,mb5.5							
SOMM	Songino Array	47.22	8	P	P	00 58 13.9	+0.6
comp=Z,15nm,0.6s,mb5.1,baz=191,slow=9.4,SNR=30							
SONM					PcP	00 59 44.8	-0.1
comp=Z,5.8nm,0.8s,baz=198,slow=4.6,SNR=4.5							
MKAR	Makanchi Array	47.30	346	P	P	00 58 14.4	+0.5
comp=Z,1.2nm,0.5s,mb4.6,baz=162,slow=9.1,SNR=20							
ZKAR	Zakamensk	49.36	5	eP	P	00 50 30.2	+0.4
CN2	Changchun	49.40	27	↑	P	00 58 29.8	-0.4
CN2					AMB		
comp=Z,70nm,0.8s,mb5.7							
MOY	Mondy	50.67	5	eP	P	00 58 38.4	+0.1
TYL	Talaya	50.68	5	eP	P	00 58 40.5	+0.6
TYL					e	00 59 49.6	
comp=Z,10.0nm,0.8s,mb4.8							
TYL					MLR		
TYL					MLR		
TYL	Talaya	50.68	5	eP	P	00 58 39.9	0.0
comp=Z,7.7nm,0.7s,mb4.7							
TYL					eP	00 58 47.0	-0.2
HIA	Hailar	51.73	19	eP	P	00 58 47.6	-0.3
HIA					pmx		
comp=Z,41nm,0.8s							
HIA	Hailar	51.73	19	eP	P	00 58 47.5	-0.4
comp=Z,41nm,0.8s,mb5.1							
MJAR	Matsushiro Arr	51.78	42	P	P	00 58 48.8	+0.3
comp=Z,2.9nm,0.5s,mb4.4,baz=230,slow=6.4,SNR=6.6							
KURK	Kurchatov	51.85	345	eP	P	00 58 48.4	-0.5
KURK					pmx		
comp=Z,30nm,1.0s,mb5.2							
KURK	Kurchatov	51.85	345	eP	P	00 58 48.4	-0.5
comp=Z,30nm,1.0s,mb5.2							
MDJ	Mudanjiang	51.96	29	P	P	00 58 49.9	+0.2
MDJ					AP	00 58 57.9	+0.9
MDJ					XP	00 59 02.3	+2.4
MDJ					AMB		
comp=Z,29nm,0.7s,mb5.3							
MDJ					AMB		
comp=Z,34nm,3.4s							
MDJ					LR		
MDJ					LR		
comp=N,464nm,18.0s,MS4.8							
MDJ					LR		
comp=E,659nm,18.0s,MS4.8							
MDJ					LR		
comp=Z,630nm,17.5s,MS4.7							
MDJ	Mudanjiang	51.96	29	eP	P	00 58 49.8	+0.1
comp=Z,21nm,0.8s,mb5.1							
OPO	Ambohitratompo	52.85	245	P	P	00 58 57.6	+0.8
comp=Z,2.9nm,0.6s,mb4.6,baz=78,slow=10,SNR=7.3							
STKA	Stevens Creek	53.34	132	P	P	00 59 00.6	+0.4
comp=Z,28nm,0.7s,mb5.3							
STKA	Stevens Creek	53.34	132	P	P	00 59 00.6	+0.4
comp=Z,14nm,0.8s,mb5.0,baz=304,slow=5.8,SNR=8.2							
STKA					LR	01 23 39.9	
comp=Z,929nm,21.1s,MS4.8,baz=119,slow=38							
ZAL	Zalesovo	53.62	351	P	P	00 59 01.7	-0.2
comp=Z,17nm,0.8s,mb5.0,baz=306,slow=6.4,SNR=12							
ATD	Arta Tunnel	54.82	283	LR	LR	01 16 06.2	
comp=Z,160nm,20.1s,MS4.1,baz=243,slow=29							
BVAR	Borovoye Array	56.31	341	P	P	00 59 20.5	-1.0
comp=Z,12nm,0.7s,mb5.0,baz=140,slow=10,SNR=14							
KLD	Kul'dur	56.37	27	eP	P	00 59 24.1	-0.8
CHKZ	Chkalovo	56.78	341	eP	P	00 59 30.7	-1.6
CHKZ					ePP		
CHKZ					pmx		
comp=Z,27nm,0.7s,mb5.4							
CHKZ					eP	00 59 24.1	-0.8
comp=Z,27nm,0.7s,mb5.4							
CHKZ					eP	00 59 30.7	-1.6
comp=Z,12nm,1.2s,mb4.3							
KMI	Kumming	24.87	11	P	P	00 05 17.0	+6.1
KMI					AMB		
comp=Z,12nm,1.2s,mb4.3							
KMI	Kumming	24.87	11	P	P	00 05 17.0	+6.1
comp=Z,12nm,1.2s,mb4.3							
HYB	Hyderabad	25.06	313	eP	P	00 05 18.0	+5.2
HYB					iP	00 05 18.0	+5.2
SHL	Shillong	25.40	348	eP	P	00 05 18.0	+2.1
JIRN	Jiri	29.01	339	eP	P	00 05 48.7	-0.1
comp=Z,48nm,0.8s,mb5.2							
PKI	Pulchoki	29.22	338	eP	P	00 05 51.2	+0.5
comp=Z,24nm,1.3s,mb5.3							
PKI	Pulchoki	29.22	338	eP	P	00 05 51.2	+0.5
comp=Z,42nm,1.3s,mb5.0							
DMN	Daman	29.37	337	eP	P	00 05 52.3	+0.3
comp=Z,22nm,0.8s,mb4.9							
KKN	Kakani	29.47	337	eP	P	00 05 52.7	-0.2
LSA	Lhasa	29.56	349	eP	P	00 05 53.9	+0.3
LSA					pmx		
comp=Z,8.0nm,0.7s,mb4.6							
LSA	Lhasa	29.56	349	eP	P	00 05 53.9	+0.3
comp=Z,8.4nm,0.7s,mb4.6							
GKN	Gorkha	29.91	337	eP	P	00 05 55.6	-1.2
comp=Z,53nm,1.1s,mb4.9							
KOLN	Koldanda	30.13	335	eP	P	00 05 58.3	-0.4
comp=Z,24nm,0.7s,mb5.0							
FITZ	Fitzroy Crossi	33.31	125	eP	P	00 06 26.6	-0.1
comp=Z,12nm,0.8s,mb4.9							
FITZ	Fitzroy Crossi	33.31	125	eP	P	00 06 26.6	-0.1
comp=Z,16nm,0.8s,mb5.0,baz=204,slow=3.9,SNR=14							
NDI	New Delhi	34.01	327	eP	P	00 06 35.0	+2.4
DDI	Dehra Dun	34.87	330	eP	P	00 06 41.8	+1.8
XAN	Xi'an	34.91	17	P	P	00 06 39.0	-1.3
LZH	Lanzhou	35.77	9	↑	P	00 07 03.8	+1.6
LZH					sP	00 07 12.6	+1.3
LZH					sP	00 07 16.7	+1.1
GTA	Gaotai	38.66	3	P	P	00 07 11.6	-0.2
GTA					pp	00 07 16.7	+2.2
comp=Z,4.0nm,0.7s,mb4.3							
WRA	Warrungama Arr	41.44	122	P	P	00 07 35.5	+0.5
comp=Z,10.0nm,0.8s,mb4.5,baz=300,slow=9.1,SNR=37							
WRAB	Tennant Creek	41.44	122	eP	P	00 07 34.6	-0.4
WRAB					pmx		
comp=Z,18nm,0.8s,mb4.8							
WRAB	Tennant Creek	41.44	122	eP	P	00 07 34.6	-0.4
comp=Z,18nm,0.8s,mb4.8							
WBC	Warrungama Arr	41.44	122	eP	P	00 07 36.1	+1.1
HHC	Hu-ho-hao-te	42.02	16	eP	P	00 07 38.2	-3.3
HHC					AP	00 07 47.0	-4.7
HHC					SCP	00 13 19.1	
HHC					P	00 13 23.3	
HHC					S	00 13 52.0	-3.1
comp=Z,10.0nm,1.3s,mb4.3							
HHC					AMB		
comp=Z,141nm,8.3s							
HHC					LR		
comp=N,537nm,15.7s,MS4.8							
HHC					LR		
comp=E,961nm,16.7s,MS4.8							
HHC					LR		
comp=Z,543nm,15.9s,MS4.5							
BJI	Beijing	42.75	21	eP	P	00 07 44.8	-0.8
BJI					AMB		
BJI					S	00 14 16.4	+1.1
comp=Z,5.0nm,0.7s,mb4.3							
BJI					LR		
comp=N,593nm,13.5s							
BJI					LR		
comp=E,777nm,19.9s							
BJI					LR		
comp=Z,573nm,15.0s,MS4.6							
BJI	Beijing	42.75	21	eP	P	00 07 44.8	-0.8
BJI					pmx		
comp=Z,5.0nm,0.7s,mb4.3							
BJI					MLR		
comp=Z,570nm,15.0s,MS4.6							
BJI	Beijing	42.75	21	eP	P	00 07 44.8	-0.8
comp=Z,5.0nm,0.7s,mb4.3							
BJI					S	00 14 16.4	+1.1
BJI					LR		
comp=Z,570nm,15.0s,MS4.6							
ASPA	Alice Springs	42.77	127	eP	P	00 07 46.1	+0.2
ASAR	Alice Springs	42.77	127	eP	P	00 07 46.6	+0.7
comp=Z,5.4nm,0.9s,mb4.3,baz=309,slow=7.6,SNR=31							
KSH	Kashi	43.44	336	eP	P	00 07 54.1	+2.9
KSH					eAP	00 08 03.2	-0.3
KSH					sP	00 08 07.1	-1.7
KSH					PP	00 09 37.0	+2.5
KSH					ePP	00 09 40.1	+0.7
KSH					ePPP	00 10 13.0	+2.0
KSH					eP	00 13 28.1	
KSH					eSCP	00 13 32.0	
KSH					eS	00 14 22.1	+6.1
KSH					eSCP	00 17 48.3	+3.6
comp=Z,250nm,4.1s							
KSH					LR		
comp=N,850nm,8.6s							
KSH					LR		

GRA1	Grafenberg Arr	86.51	320	eP	P	00 01 30.2	+7.6
comp=Z,1.4nm,0.5s,mb4.4,baz=117,slow=6.6,SNR=4.2							
GRF	Grafenberg Arr	86.51	320	eP	P	00 01 30.2	+7.6
comp=Z,8.0nm,1.0s,mb4.9							
GRF	Grafenberg Arr	86.51	320	eP	P	00 01 30.2	+7.6
comp=Z,8.0nm,1.0s,mb4.9							
GRF	Grafenberg Arr	86.51	320	eP	P	00 01 30.2	+7.6
comp=Z,8.0nm,1.0s,mb4.9							
GRF	Grafenberg Arr	86.51	320	eP	P	00 01 30.2	+7.6
comp=Z,8.0nm,1.0s,mb4.9							
NOA	NORSAR Subarra	87.05	331	P	P	00 01 25.4	+0.5
comp=Z,5.3nm,0.9s,mb4.8,baz=95,slow=4.8							
NOA	NORSAR Array B	87.05	331	P	P	00 01 25.4	+0.5
comp=Z,2.2nm,0.7s,mb4.5,baz=94,slow=4.8,SNR=7.1							
LPG	La Plagne	89.49	315	eP	P	00 01 40.6	+3.6
comp=Z,12nm,0.8s,mb5.0							
LPG	La Plagne	89.49	315	eP	P	00 01 40.6	+3.6
comp=Z,6.0nm,0.8s,mb5.0							
IMA	Indian Mountai	96.67	23	eP	P	00 01 10.8	+1.2
IMA					eP	00 01 03 17.4	+0.1
IMA					LR	00 01 13.9	
Tubuai		111.87	115	eLR	LR		
comp=Z,315nm,31.5s							
YKA	Yellowknife Arr	112.18	15	PP	PP	00 01 56.9	-6.0
comp=Z,0.1nm,0.4s,baz=332,slow=7.7,SNR=4.4							
PPT	Papeete	112.50	108	eLR	LR	00 01 40 30.8	
comp=Z,189nm,22.5s							
RKT	Rikitea	124.94	118	eLR	LR	00 01 46 17.6	
comp=Z,192nm,24.0s							
ULM	Lac du Bonnet	127.62	11	PKP	PKP	00 01 48 44.8	-3.6
comp=Z,1.2nm,0.4s,baz=345,slow=2.3,SNR=3.9							
TXAR	Lajitas Array	143.76	32	PKP	PKP	00 01 09 14.5	-4.2
comp=Z,0.7nm,0.4s,baz=308,slow=1.3,SNR=4.2							
NATX	Nacogdoches	145.43	18	ePKP	PKP	00 01 09 19.3	-2.2
NATX					eP	00 01 29 25.8	
NATX					eP	00 01 09 19.1	+0.6
LRLAL	Lakeview Retre	145.80	6	ePKP	PKP	00 01 09 26.2	

IDC 01 00:59:45.6:0.7, 0.54N-97.28E, mb4.3/15, mb1 4.5/15,  
 mb1mx4.4/20, mbmp4.3/15, Error ellipse: s-maj=32.8km  
 s-min=13.6km az=48.0  
 BUJ 01 00:59:49.8, 0.60N:97.50E, h30km, mb5.3, mb4.5, Ms5.0,  
 Msz4.6  
 MOS 01 00:59:49.8, 1.8, 0.67N:97.58E, h33km, mb4.9/23, Error  
 ellipse: s-maj=15.6km s-min=6.9km az=115.6  
 NEIC 01 00:59:50.8:0.4, 0.62N:97.51E, h30km, mb4.8/24, Error  
 ellipse: s-maj=13.1km s-min=7.4km az=48.0  
 ISC 01 00:59:50.7:1.4, 0.62N,0.06:97.55E:0.07, h44km, mb12km,  
 h30km, 3.6km:pp-P, n92, ±125/97, mb4.6/45, MS4.5/5,  
 1C-10, Northern Sumatra

WMQ	Urumqi	43.90	350	↑	P	01 07 56.4	+1.5
WMQ					AP	01 08 06.4	-0.7
WMQ					XP	01 08 10.4	-2.1
WMQ					PP	01 09 40.4	+1.4
WMQ					PCP	01 09 42.4	+1.5
WMQ					S	01 14 25.4	+2.8
WMQ					XS	01 14 42.4	
WMQ					AMB		
comp=Z,3.0nm,0.6s,mb4.2							
WMQ					AMB		
comp=Z,85nm,6.1s							
WMQ					LR		
comp=N,548nm,16.1s,MS4.7							
WMQ					LR		
WMQ					LR		
comp=E,445nm,17.6s,MS4.7							
WMQ					LR		
AAK	Ala-Archa	46.67	337	eP	P	00 01 08 19.1	+2.2
AAK					pmx		
comp=Z,30nm,1.8s,mb4.9							
AAK	Ala-Archa	4					







Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Sonseca Array, JMJC, SONM, etc.

NIED 01 04:44:00.37.00N,141.20E, h50km, Mw3.9. Best double couple: M7.35x10^14 NP1.29, delta 75, lambda 101. NP2.0, 174, delta 81, lambda 56.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ONAJ, JFK, JHO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BOD, SONM, MKAR, etc.

THR 01 04:58:19.3.0.5, 30.83N, 56.95E, h27km, 6km, ML3.1. CSEM 01 04:58:29.1.0.1, 30.32N, 56.54E, h45km, ML3.1, Error ellipse: s-maj=6.0km s-min=3.0km az=106.0.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KRBR, NASN, IFIR, etc.

IDC 01 05:00:23.1.2.3, 6.23S, 152.20E, mb3.8/4, mb1.4/1.4, mb1mx3.7/1.2, mbtmp3.8/4, Error ellipse: s-maj=121.6km s-min=33.7km az=134.0, New Britain region

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

MOS 01 05:11:42.2.0.7, 53.79N, 161.53E, h39km, mb4.2/1, Error ellipse: s-maj=35.2km s-min=17.0km az=59.8

KRSC 01 05:11:42.7.1.1, 53.80N, 161.56E, h38km, 6km, ML4.1, Off 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, MKW, MYZ, etc.

JMA 01 05:19:50.2.0.3, 24.20N, 122.24E, h42km, M2.2. TAP 01 05:19:49.4, 24.13N, 122.24E, h19km, 1km, ML3.2, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like YOJ, IRIF, HATJ, etc.

IDC 01 05:25:56.9.2.2, 7.5N, 96.41E, h22km, 5km, mb3.8/8, mb1.3/8, mb1mx3.7/1.9, mbtmp3.9/8, Error ellipse: s-maj=96.7km s-min=14.0km az=58.0

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

CNRM 01 05:30:27.8, 35.10N, 2.70W, h6km, MD3.0. CSEM 01 05:30:28.3.0.4, 34.97N, 2.86W, h5km, MD3.0, Error ellipse: s-maj=10.6km s-min=7.4km az=129.0

MDD 01 05:30:29.7.0.8, 34.93N, 2.81W, h0km, 6km, mL2.0/5, Error ellipse: s-maj=7.2km s-min=3.8km az=159.0, PRXIMO

ISC 01 05:30:28.9.0.7, 34.97N, 0.04, 2.78W, 0.05, h10km, n18, c095/29, Morocco

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ZAI, EMLI, EMEL, etc.

SOF 01 05:34:36.2, 41.37N, 22.67E, h2km, MD2.7. CSEM 01 05:34:37.4.0.2, 41.43N, 22.67E, h2km, ML2.8, Error ellipse: s-maj=4.1km s-min=2.9km az=118.0

ISC 01 05:34:39.2, 41.31N, 22.67E, h1km, ML2.8. ISC 01 05:34:37.5.0.6, 41.39N, 0.03, 22.66E, 0.04, h0km, 6km, n18, c096/28, 2C-1D, North-western Balkan Peninsula

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

NEIC 01 05:46:45.3.1.1, 1.13N, 97.07E, mb4.3/2, Error ellipse: s-maj=23.0km s-min=17.6km az=45.0. IDC 01 05:46:46.5.2.6, 1.37N, 97.35E, h2km, 5km, mb3.6/5, mb1.3/5, mb1mx3.5/1.8, mbtmp3.8/5, Error ellipse: s-maj=113.1km s-min=20.1km az=54.0

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







Azm42°; N-537, Plg4°, Azm303°; P-5.407, Plg25°.  
 Azm212°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.  
 NEIC 01 07:20:09.0,0.2, 14.32N-92.96W, mb5.0/64, MD5.0(MEX)  
 Error ellipse: s-maj=6.6km s-min=3.8km az=223.0  
 MEX 01 07:20:09.0,0.0, 14.13N-93.37W, h17km, 94km, MD5.0  
 BUJ 01 07:20:10.0, 14.30N-93.00W, h22km, mb5.5, MS5.3, Ms2.9  
 MOS 01 07:20:11.4, 1.2, 14.64N-92.84W, h33km, mb5.4/6, Error ellipse: s-maj=22.9km s-min=13.1km az=107.0  
 ISC 01 07:20:07.3,0.3, 14.32N,0.04,-93.12W,0.03,h22km, h22km, 2km; P=ms2, 1924238, mb4.9/78, MS4.6/32, 16C-8D, Near coast of Chiapas

Code	Station Name	Lat	Lon	Phase	Time	Res	ISC
JAT	Jato	1.44	90E	Op	07 20 34.7	+2.4	
JAT	Jato			ES	07 20 52.1	+1.4	
JAT	Jato			AML	07 21 03.0		
CCIG	Comitan	2.17	26 E	Pn	07 20 46.7	+3.8	
CCIG	Comitan	2.17	26 E	S	07 21 14.0	+4.6	
CCIG	Comitan	2.17	26 E	IP	07 20 47.0	+4.1	
CCIG	Comitan	2.17	26 E	S	07 21 14.0	+4.6	
FCVG	Fuego 3	2.21	86E	Pn	07 20 44.0	+6.5	
PCG	Pacaya	2.24	88E	Pn	07 20 48.3	+1.6	
IXG	Ixpaco	2.59	93E	Pn	07 20 49.7	+0.9	
IXG	Ixpaco			ES	07 21 18.1	-1.8	
IXG	Ixpaco			AML	07 21 39.8		
HUIG	Huatulco	3.23	297 E	Pn	07 20 55.3	-2.7	
HUIG	Huatulco			ES	07 21 30.3	-5.8	
HUIG	Huatulco	3.23	297 E	IP	07 20 55.4	-2.5	
HUIG	Huatulco			S	07 21 30.3	-5.8	
CMIG	Matias Romero	3.24	329 E	EP	07 20 57.8	-0.4	
CMIG	Matias Romero			IP	07 21 34.9	+1.5	
CMIG	Matias Romero			S	07 20 57.9	-0.3	
CMIG	Matias Romero			IP	07 21 34.9	-1.5	
RBDL	Robledal	3.33	93E	Pn	07 21 00.8	+1.3	
RBDL	Robledal			ES	07 21 36.5	-2.4	
RTR	El Retiro	3.40	97E	ES	07 21 17.1	+1.0	
RTR	San Blas	3.42	98E	Pn	07 21 01.4	+0.6	
SNJE	San Jose	3.44	97E	Pn	07 21 01.7	+0.7	
MTQZ	Montecristo 2	3.64	88E	Pn	07 21 04.7	+0.8	
BOQS	Boqueron	3.77	98E	Pn	07 21 06.8	+1.1	
TUIG	Tuzandepetl	3.90	341 E	ES	07 21 06.8	-1.0	
TUIG	Tuzandepetl			ES	07 21 07.1	-0.1	
TUIG	Tuzandepetl	3.90	341 E	ES	07 21 56.1	+2.9	
LFRU	La Fuente	3.93	98E	Pn	07 21 09.8	+2.0	
LFRU	Las Brisas	4.00	98E	EP	07 21 09.8	+2.0	
LFRU	El Faro	4.00	99.05E	EP	07 21 09.4	+0.5	
LCBS	La Ceiba	4.07	99E	Pn	07 21 10.5	+0.6	
OXX	Oxaca	4.43	309 E	Pn	07 21 13.0	-2.0	
OXX	Oxaca			IS	07 22 02.1	-4.4	
VHO	Vista Hermosa	4.43	309 E	Pn	07 21 13.9	-1.1	
VHO	Vista Hermosa			ES	07 22 01.1	-5.5	
VHO	Vista Hermosa	4.43	309 E	ES	07 21 13.9	-1.1	
VHO	Vista Hermosa			ES	07 22 01.9	-4.7	
EVV	El Vigia	4.64	333 E	Pn	07 21 18.8	+0.8	
EVV	El Vigia			IS	07 22 10.1	-1.8	
EVV	El Vigia	4.64	333 E	EP	07 21 18.8	+0.8	
EVV	El Vigia			IP	07 21 18.8	+1.0	
BLLM	Bellamira	4.82	100 E	EP	07 21 21.4	+0.8	
SCIG	Conchagua	4.98	221 E	IP	07 21 24.1	+1.2	
SCIG	Conchagua			IS	07 22 25.5	+3.3	
CNCH	Conchagua	5.24	101 E	EP	07 21 26.6	+0.2	
PNIG	Piñotepa	5.25	294 E	EP	07 21 23.9	-2.8	
PNIG	Piñotepa			ES	07 21 51.7	+5.6	
CRIN	San Cristobal	6.12	105 E	Pn	07 21 39.2	+0.4	
ISIM	Ciudad Serdan	6.18	319 E	IP	07 21 38.0	-1.8	
ISIM	Ciudad Serdan			IS	07 22 45.0	-5.5	
ISIM	Ciudad Serdan	6.18	319 E	IP	07 21 38.0	-1.8	
ISIM	Ciudad Serdan			IS	07 22 47.6	-3.0	
ISIM	Ciudad Serdan	6.34	105 E	IP	07 21 38.0	-1.8	
ISIM	Ciudad Serdan			IP	07 23 24.5	+0.6	
LEON	Leon	6.35	107 E	Pn	07 21 41.9	-0.2	
MIRN	Miramar	6.51	106 E	EP	07 21 43.8	-0.5	
MOMJ	Momotombo	6.69	106 E	EP	07 21 46.3	+0.4	
APYN	Apoyeque	6.91	107 E	Pn	07 21 49.3	-0.7	
ACX	Acapulco	7.02	292 E	IP	07 21 49.3	-2.3	
ACX	Acapulco			IS	07 23 05.6	-6.0	
PPM	Popocatepetl	7.07	133 E	EP	07 21 51.8	+0.6	
PPM	Popocatepetl			IP	07 23 08.3	-4.7	
AFON	Apoye	7.27	108 E	EP	07 21 57.1	+2.0	
CAIG	El Cayaco	7.40	292 E	EP	07 21 52.4	-4.4	
CAIG	El Cayaco			ES	07 23 11.3	-1.0	
CAIG	El Cayaco	7.40	292 E	ES	07 21 52.4	-4.4	
CAIG	El Cayaco			ES	07 23 15.2	-5.9	
TEIG	Tepeh	7.48	38 E	EP	07 21 57.1	+0.9	
JTS	JuntasAbangare	8.93	116 E	IP	07 22 20.0	-0.9	
JTS	JuntasAbangare			EP	07 22 17.2	-0.9	
JTS	JuntasAbangare	8.93	116 E	EP	07 22 17.2	-0.9	
JTS	JuntasAbangare			ESn	07 24 21.5	+2.3	
SFJM	Santa Fe	11.28	304 E	Pn	07 22 48.8	-2.1	
TXAR	Lajitas Array	17.85	323 E	P	07 24 18.2	+2.1	
TXAR	Lajitas Array			LR	07 31 20.9		
TXAR	Lajitas Array			LR	07 31 20.9		
LRAL	Lakeview Retre	19.45	16 E	P	07 24 36.1	+0.7	
MIAR	Mount Ida	20.15	359 E	P	07 24 41.0	-2.0	
MIAR	Mount Ida			ES	07 24 41.0	-1.9	
MIAR	Mount Ida			ES	07 28 17.4	-5.4	
MIAR	Mount Ida			ES	07 24 43.8	+0.6	
OTAV	Otavallo	20.38	2 E	P	07 24 44.0	-1.5	
UALR	University of Oxford	20.39	9 E	P	07 24 46.4	+0.9	
OXF	Oxford	20.39	9 E	P	07 24 46.2	+0.7	
CLNB	Carlsbad	20.39	333 E	P	07 24 47.8	+0.6	
GD2L	Guadalupe Moun	20.63	329 E	P	07 24 48.0	0.0	
MNTX	Cornudas Moun	20.76	115 E	P	07 24 52.3	+2.9	
ROSC	El Rosal	20.94	23 E	P	07 24 54.8	-1.3	
GOGA	Godfrey	20.94	23 E	P	07 24 54.8	-1.3	
GOGA	Godfrey			ES	07 24 49.8	-1.3	
GOGA	Godfrey			ES	07 24 50.8	-0.7	
CPRX	Cap Rock	21.04	334 E	P	07 24 52.4	+0.1	
PLAL	Pickwick Array	21.07	12 E	P	07 24 51.9	-0.7	
PLAL	Pickwick Array			ES	07 28 43.2	+2.0	
HBAR	Harrisburg	21.26	6 E	P	07 24 51.6	-2.8	
GNAR	Gosnell	21.74	7 E	P	07 24 59.2	-0.1	
HALT	Halls	21.77	8 E	P	07 25 08.2	-1.3	
AMTX	Amarillo	21.89	341 E	P	07 25 07.0	0.0	
AMTX	Amarillo			ES	07 25 02.2	-0.3	
CSU	Charleston Sou	22.06	30 E	P	07 25 03.0	+0.2	
COW	Cow Castle Cre	22.08	29 E	P	07 25 03.0	+0.1	
NHSC	New Hope	22.10	30 E	P	07 25 03.0	+0.1	
TWB	Tillmans-White	22.15	30 E	P	07 25 04.1	+0.8	
WVT	Waverly	22.23	11 E	P	07 25 03.3	-0.9	
UTMT	University of	22.26	9 E	P	07 25 04.0	-0.5	
CPCT	Cooper Cave	22.42	19 E	P	07 25 07.2	+1.2	
JSC	Jenkinsville	22.59	26 E	P	07 25 06.3	-1.5	
SDV	Santo Domingo	22.67	101 E	P	07 25 07.0	-1.7	
SDV	Santo Domingo			ES	07 25 07.9	-0.8	
SDV	Santo Domingo			EP	07 25 07.9	-0.8	
LPM	Los Pinos Moun	23.36	331 E	P	07 25 17.4	+2.1	
LENN	Lemitar	23.41	330 E	P	07 25 18.0	+2.3	
CCM	Cathedral Cave	23.70	4 E	P	07 25 17.3	-1.3	
TZTN	Tazewell	23.73	19 E	P	07 25 19.1	+0.2	
ANMO	Albuquerque	23.81	332 E	P	07 25 21.7	+2.1	
ANMO	Albuquerque			ES	07 25 21.6	+2.0	
ANMO	Albuquerque			LR	07 35 30.9		
ANMO	Albuquerque			LR	07 35 30.9		
ANMO	Albuquerque			EP	07 25 21.1	+1.5	

Code	Station Name	Lat	Lon	Phase	Time	Res	ISC
CFAA	Coronel Fontan	51.52	153 E	P	07 25 24.2	+1.7	
CFAA	Coronel Fontan			P	07 25 23.8	-1.1	
CFAA	Coronel Fontan			P	07 25 25.4	-1.6	
CFAA	Coronel Fontan			P	07 25 29.1	-0.8	
CFAA	Coronel Fontan			P	07 25 31.4	-0.6	
BAO	Brasilia Array	53.62	122 E	P	07 25 33.5	-0.8	
RKT	Rikitea	55.34	228 E	ES	07 25 49.7		
RKT	Rikitea			ES	07 25 33.5	-1.9	
PLCA	Paso Flores	56.83	160 E	P	07 25 49.6		
PLCA	Paso Flores			P	07 25 40.3	+1.7	
PLCA	Paso Flores			P	07 34 51.6		
DAWK	Dawson	58.98	338 E	EP	07 25 48.4	+1.1	
INIK	Inuvik	59.83	344 E	LR	07 25 54.7	+1.4	
INIK	Inuvik			ES	07 25 56.5	+0.9	
INIK	Inuvik			ES	07 25 62.7	+0.3	
INIK	Inuvik			ES	07 26 06.4	+2.0	
INIK	Inuvik			ES	07 26 07.6	+0.4	
INIK	Inuvik			ES	07 26 09.2	+0.8	
INIK	Inuvik			ES	07 26 12.4	+1.0	
INIK	Inuvik			ES	07 26 12.9	+1.3	
MCK	College	60.01	336 E	EP	07 26 14.1	+1.5	
COLA	College	60.54	337 E	EP	07 26 16.8	+1.0	
POLA	Papeete	64.07	242 E	LR	07 26 17.7	+0.7	
POLA	Papeete			ES	07 26 21.9	+1.1	
PPT	Papeete	64.07	242 E	LR	07 26 22.2	+1.3	
TBI	Tubuai	66.61	236 E	ES	07 26 23.2	+0.4	
TBI	Tubuai			ES	07 26 27.6	+1.3	
TBI	Tubuai			ES	07 26 28.0	+1.4	
TBI	Tubuai			ES	07 26 28.4	+0.2	
USHA	Ushuaia	71.99	165 E	LR	07 26 31.1		









Table with columns: Call sign, Station name, Frequency, Power, Mode, and other technical details. Includes stations like ZAL Zalesovo, OPO Ambobibirskop, NVS Novosibirsk, etc.

Table with columns: Call sign, Station name, Frequency, Power, Mode, and other technical details. Includes stations like MA2 Magadan, MOS Moscow, OBNS Obninsk, etc.

Table with columns: Call sign, Station name, Frequency, Power, Mode, and other technical details. Includes stations like MKAR Makanchi Array, SONM Songoing Array, WRA Warrungarra Arr, etc.

NEIC 01 07:56:54.94.4, 1.4.19N:93.10W, h14km, 25km, mb4.2/14, MD4.5(MEX), Error ellipse: s-maj=16.6km s-min=9.2km az=205.0

MEX 01 07:56:55.8.0.4, 1.4.02N:93.47W, h15km, MD4.6, IDC 01 07:56:59.3.5.5, 1.4.34N:92.95W, h43km, mb3.9/11, mb1.4/12, mb1mx3.8/24, mbtmp4.1/12, ML3.9/1, MS3.7/2, Ms1.3.6/2, ms1mx2.8/26, Error ellipse: s-maj=50.3km s-min=16.9km az=46.0

ISC 01 07:56:54.8.2.3, 1.4.18N:100.06E, 93.35W, 0.05, h22km, 17km, Chiapas, h140/63, mb4.2/21, MS3.6/2, 1C, Near coast of Mexico

Table with columns: Code, Station name, Frequency, Power, Mode, and other technical details. Includes stations like CCIG Comitan, CCIG Matias Romero, CMIG Matias Romero, etc.

IDC 01 07:49:06.8.0.9, 5.25N:94.65E, mb4.3/13, mb1.4/13, mb1mx4.2/21, mbtmp4.3/13, Error ellipse: s-maj=47.0km s-min=16.4km az=52.0

NEIC 01 07:49:11.2.0.5, 1.6N:94.60E, h30km, mb4.5/9, Error ellipse: s-maj=16.8km s-min=6.3km az=46.0

ISC 01 07:49:09.4.0.7, 5.1N:101.1.94.6E, 0.1, h30km, 22, e077/26, mb4.4/22, Northern Sumatera

Table with columns: Code, Station name, Frequency, Power, Mode, and other technical details. Includes stations like KULM Kulim, JIRN Jiri, PKI Pulchoki, etc.















FUR	Forstenfeldbrü	84.65 318	eP	P	10 50 16.7	0.0
SQT	Sankt Quirin	84.67 317	iP	P	10 50 16.6	-0.2
SQT	Sankt Quirin	84.67 317	iP	Pmax	10 50 16.6	-0.2
GRA1	Grafenberg Arr	84.73 319	eP	P	10 50 17.9	+0.8
GRA1	Grafenberg Arr	84.73 319	eP	pP	10 50 26.2	+0.7
GRF	Grafenberg Arr	84.73 319	ePP	pPmax	10 50 26.2	+0.7
GRF	Grafenberg Arr	84.73 319	eP	P	10 50 17.9	+0.8
GRF	Grafenberg Arr	84.73 319	eP	pP	10 50 26.2	+0.7
GRF	Grafenberg Arr	84.73 319	ePP	pPmax	10 50 26.2	+0.7
GRF	Grafenberg Arr	84.73 319	eP	P	10 50 17.9	+0.8
MOTA	Moosalm	84.74 317	iP	pP	10 50 26.2	+0.7
MOTA	Moosalm	84.74 317	iP	P	10 50 16.8	-0.4
HSP	Hornsdorf	85.18 347	eP	P	10 50 18.6	-0.2
NB2	NORSAR Subarra	85.19 331	eP	P	10 50 18.3	-0.8
NB2	NORSAR Subarra	85.19 331	eP	P	10 50 18.3	-0.8
NOA	NORSAR Arr	85.19 331	eP	P	10 50 19.0	-0.1
NOA	NORSAR Arr	85.19 331	eP	LR	11 35 33.2	
CLZ	Clausthal	85.33 322	eP	Pmax	10 50 20.6	+0.6
CLZ	Clausthal	85.33 322	eP	P	10 50 20.6	+0.6
NAO01	NORSAR Array S	85.34 331	eP	P	10 50 20.4	+0.6
BSEG	Bad Segeberg	85.41 324	eP	LR	10 50 21.2	+0.8
DAVOX	Davos	85.57 320	eP	LR	11 31 04.6	
DAVA	Damuel	85.57 317	iP	P	10 50 21.8	+0.5
VSL	Villasalto	85.92 309	iP	P	10 50 22.6	-0.7
KONO	Kongsberg	85.95 329	eP	pP	10 50 31.4	-0.2
KONO	Kongsberg	85.95 329	eP	Pmax	10 50 23.1	+0.2
STU	Stuttgart	86.04 319	eP	Pmax	10 50 23.3	-0.3
STU	Stuttgart	86.04 319	eP	P	10 50 23.3	-0.4
MUD	Monsted Ugrnd	86.12 326	iP	Pmax	10 50 25.6	+1.8
MUD	Monsted Ugrnd	86.12 326	iP	P	10 50 25.6	+1.8
MUD	Monsted Ugrnd	86.12 326	iP	P	10 50 51.4	
PGF	Ploggiola	86.19 312	eP	P	10 50 24.5	0.0
TMS	Taunus Mts	86.53 320	eP	P	10 50 26.7	+0.7
BFO	Black Forest	86.62 318	eP	Pmax	10 50 26.4	-0.1
BFO	Black Forest	86.62 318	eP	P	10 50 26.4	-0.1
SBF	Sospel	87.31 314	iP	P	10 50 30.0	0.0
SBF	Sospel	87.31 314	iP	Pmax	10 50 30.0	0.0
CDF	Champ du Feu	87.32 318	iP	P	10 50 29.7	-0.2
CDF	Champ du Feu	87.32 318	iP	Pmax	10 50 29.7	-0.2
VNDA	Vanda	87.59 169	p	P	10 50 30.8	+0.2
HINFA	Hinterferal	87.62 318	eP	LR	11 28 50.7	
HINFA	Hinterferal	87.62 318	eP	P	10 50 31.5	+0.2
HINF	Hinterferal	87.62 318	eP	Pmax	10 50 31.5	+0.2
HINF	Hinterferal	87.62 318	eP	P	10 50 32.5	+0.5
LPG	La Plagne	87.76 315	iP	Pmax	10 50 32.5	+0.5
LPG	La Plagne	87.76 315	iP	P	10 50 31.6	-0.5
MBDF	Montbardor	87.77 314	eP	Pmax	10 50 31.6	-0.5
MBDF	Montbardor	87.77 314	eP	P	10 50 31.6	-0.5
LPL	La Plagne	87.77 315	iP	P	10 50 32.5	+0.4
LPL	La Plagne	87.77 315	iP	Pmax	10 50 32.5	+0.4
BNI	Bardonecchia	87.82 315	eP	Pmax	10 50 31.6	-0.8
BNI	Bardonecchia	87.82 315	eP	P	10 50 31.6	-0.8
FRF	La Foret Royal	87.89 313	iP	P	10 50 33.0	+0.3
HAU	Haudompere	87.95 318	iP	P	10 50 32.7	-0.2
HAU	Haudompere	87.95 318	iP	eR	10 50 32.7	-0.2
HAU	Haudompere	87.95 318	iP	Pmax	10 50 32.7	-0.2
HAU	Haudompere	87.95 318	iP	MLR	10 50 47.9	-6.0
LMR	La Moure	88.00 313	iP	P	10 50 33.3	0.0
LMR	La Moure	88.00 313	iP	Pmax	10 50 33.3	0.0
CABF	La Chapelle	88.18 316	iP	P	10 50 34.4	+0.4
CABF	La Chapelle	88.18 316	iP	Pmax	10 50 34.4	+0.4
ORIF	Oris-en-Rattie	88.39 315	eP	P	10 50 35.6	+0.5
ORIF	Oris-en-Rattie	88.39 315	eP	eR	10 50 36.6	+0.8
SBA	Scott Base	88.69 168	eP	pP	10 50 34.4	+0.2
SBA	Scott Base	88.69 168	eP	Pmax	10 50 36.6	+0.7
SBA	Scott Base	88.69 168	eP	pP	10 50 44.4	+0.2
GIVF	Givet	88.86 320	eP	P	10 50 37.5	+0.3
GIVF	Givet	88.86 320	eP	Pmax	10 50 37.5	+0.3
VIVF	Saint-Julien	89.25 315	iP	P	10 50 39.4	+0.2
VIVF	Saint-Julien	89.25 315	iP	Pmax	10 50 39.4	+0.2
BAIF	Baives	89.26 320	iP	P	10 50 39.7	+0.6
BAIF	Baives	89.26 320	iP	Pmax	10 50 39.7	+0.6
SMF	Signal de Mont	89.72 317	iP	P	10 50 41.4	0.0
SMF	Signal de Mont	89.72 317	iP	Pmax	10 50 41.4	0.0
TNA	Tin City	89.76 24	eP	P	10 50 41.0	-0.1
LASF	Ste Croix	89.89 314	eP	P	10 50 42.7	+0.5
SSF	Saint Sulpice	89.92 317	eP	P	10 50 42.5	+0.2

SSF	Saint Sulpice	89.92 317	eP	Pmax	10 50 42.5	+0.2
AVF	Avril sur Loir	90.05 317	iP	P	10 50 42.9	0.0
AVF	Avril sur Loir	90.05 317	iP	Pmax	10 50 42.9	0.0
BGF	Bois d'Agland	90.42 316	iP	P	10 50 45.2	+0.6
BGF	Bois d'Agland	90.42 316	iP	Pmax	10 50 45.2	+0.6
HYF	Humbigny	90.50 317	eP	P	10 50 45.8	+0.9
TCF	Toulx Ste Croix	90.88 316	eP	P	10 50 47.3	+0.6
TCF	Toulx Ste Croix	90.88 316	eP	Pmax	10 50 47.3	+0.6
CAF	Calviac	91.10 315	iP	P	10 50 48.5	+0.7
CAF	Calviac	91.10 315	iP	Pmax	10 50 48.5	+0.7
MTLF	Montlieu	91.13 313	iP	P	10 50 48.5	+0.6
MTLF	Montlieu	91.13 313	iP	Pmax	10 50 48.5	+0.6
RJF	Les Rejaudoux	91.45 315	iP	P	10 50 50.3	+0.9
RJF	Les Rejaudoux	91.45 315	iP	eR	10 50 50.3	+0.9
RJF	Les Rejaudoux	91.45 315	iP	Pmax	10 50 50.3	+0.9
RJF	Les Rejaudoux	91.45 315	iP	MLR	10 50 54.2	+0.4
LFF	La Frestelle	92.03 315	iP	LR	11 38 11.3	
JMIC	Jan Mayen	92.16 342	LR	LR	10 50 53.3	+0.5
LDF	La Druitiere	92.21 319	iP	P	10 50 53.3	+0.5
LDF	La Druitiere	92.21 319	iP	Pmax	10 50 53.3	+0.5
FLN	La Foliniere	92.43 319	iP	eR	10 50 54.2	+0.4
FLN	La Foliniere	92.43 319	iP	Pmax	10 50 54.2	+0.4
FLN	La Foliniere	92.43 319	iP	MLR	10 50 54.2	+0.4
MFF	Saint Martin d	92.47 317	iP	P	10 50 54.5	+0.5
MFF	Saint Martin d	92.47 317	iP	Pmax	10 50 54.5	+0.5
EBR	Ebro Roquetes	92.64 311	eTs	P	10 51 07.0	
GRR	Gorron	92.72 319	iP	P	10 51 07.0	
GRR	Gorron	92.72 319	iP	Pmax	10 51 07.0	
QSPA	South Pole Qu	92.79 180	iP	P	10 51 07.0	
ETSF	Etsaut	93.19 313	iP	P	10 51 08.6	+1.0
ETSF	Etsaut	93.19 313	iP	Pmax	10 51 08.6	+1.0
SJPF	Ste Jean	93.65 313	eP	P	10 51 00.6	+1.0
SJPF	Ste Jean	93.65 313	eP	Pmax	10 51 00.6	+1.0
SGMF	Saint Gilles	93.87 319	eP	P	10 51 00.6	+0.2
SGMF	Saint Gilles	93.87 319	eP	Pmax	10 51 00.6	+0.2
QUIF	Quistinic	94.32 318	eP	P	10 51 03.6	+1.1
QUIF	Quistinic	94.32 318	eP	Pmax	10 51 03.6	+1.1
ROSF	Rostenren	94.33 319	eP	P	10 51 02.7	+0.2
IMA	Indian Mountai	95.36 23	P	P	10 51 08.4	+1.5
IMA	Indian Mountai	95.36 23	P	Pmax	10 51 08.4	+1.5
ESDC	Sonsecra Arr	96.18 310	P	P	10 51 11.0	-0.2
VNA2	Neumayer-Watz	97.19 199	eP	P	10 51 24.3	+9.2
VNA2	Neumayer-Watz	97.19 199	eP	pP	10 51 27.1	+1.2
VNA2	Neumayer-Watz	97.19 199	eP	P	10 51 16.8	+1.7
VNA2	Neumayer-Watz	97.19 199	eP	pP	10 51 24.3	+0.8
VNA2	Neumayer-Watz	97.19 199	eP	pP	10 51 27.1	+3.6
VNA3	Neumayer Olymp	97.84 198	eP	P	10 51 31.9	+1.4
VNA3	Neumayer Olymp	97.84 198	eP	P	10 51 34.3	+1.6
VNA3	Neumayer Olymp	97.84 198	eP	pP	10 51 24.4	+6.4
VNA3	Neumayer Olymp	97.84 198	eP	LR	10 51 31.9	+5.5
VNA3	Neumayer Olymp	97.84 198	eP	LR	10 51 34.3	+7.9
BORG	Borganes	98.91 337	LR	P	11 37 40.1	
INK	Inuvik	101.13 17	pP	P	10 51 33.1	+0.2
INK	Inuvik	101.13 17	pP	PP	10 55 44.3	-0.3
INK	Inuvik	101.13 17	eP	P	10 51 32.9	0.0
YKA	Yellowknife Ar	110.70 15	Pdf	Pdf	10 52 15.7	+0.5
YKA	Yellowknife Ar	110.70 15	Pdf	PKPK	10 56 15.0	
YKA	Yellowknife Ar	110.70 15	Pdf	PP	10 56 49.7	-6.0
YKA	Yellowknife Ar	110.70 15	Pdf	PKPKPbc	10 51 07.3	
PPT	Papeete	113.72 108	eLR	LR	11 30 39.9	
FCC	Fort Churchill	118.00 6	ePKP	PKP	10 56 28.6	-4.5
EDM	Edmonton	118.80 20	PKPK	PKP	10 56 31.7	-3.1
EDM	Edmonton	118.80 20	PKPK	PKP	10 56 31.3	-3.5
SCHO	Schefferville	120.86 349	PKP	PKP	10 58 35.5	-3.2
NEW	Newport	121.29 26	PKP	PKP	10 56 36.5	-3.3
NEW	Newport	121.29 26	PKP	PKP	10 56 36.2	-3.6
HAWA	Hanford	121.59 29	ePKP	PKP	10 56 37.9	-2.5
HAWA	Hanford	121.59 29	ePKP	PKP	10 56 46.0	
HUMO	Hull Mountain	122.45 34	ePKP	PKP	10 56 39.5	-2.5
MISO	Missoula	123.76 25	ePKP	PKP	10 56 40.8	-3.8
MISO	Missoula	123.76 25	ePKP	PKP	10 56 40.9	-3.8
CHMT	Chamberlain Mo	123.97 19	ePKP	PKP	10 56 47.9	-2.5
WDC	Woodstock Va	124.01 35	ePKP	PKP	10 56 42.0	-3.2
WDC	Woodstock Va	124.01 35	ePKP	PKP	10 56 43.1	-2.8
WVOR	Wild Horse Val	124.88 31	PKPK	PKP	10 56 44.8	-2.1
WVOR	Wild Horse Val	124.88 31	PKPK	PKP	10 56 44.5	-2.3
MCMT	McKenzie Canyo	125.81 25	ePKP	PKP	10 56 45.5	-2.9
ULM	Lac du Bonnet	126.05 10	PKP	PKP	10 56 45.3	-3.6
HLID	Halley	126.17 27	ePKP	PKP	10 56 46.3	-2.8
RKT	Rikitea	126.37 117	eLR	LR	11 36 31.2	
QLMT	Earthquake Lak	126.41 24	ePKP	PKP	10 56 47.8	-1.9
WCN	Washoe City	126.46 35	PKPK	PKP	10 56 48.1	-1.8
WCN	Washoe City	126.46 35	PKPK	PKP	10 56 47.8	-2.1
YMR	Madison River	126.73 24	ePKP	PKP	10 56 48.6	-1.6
LAO	LASA Array	126.77 19	ePKP	PKP	10 56 47.9	-2.5
YFT	Old Faithful	126.96 24	ePKP	PKP	10 56 49.7	-1.0
LKWY	Lake	127.05 24	PKPK	PKP	10 56 50.3	-0.6
LKWY	Lake	127.05 24	PKPK	PKP	10 56 49.9	-1.0
LRV	Little Rabbit	127.61 38	ePKP	PKP	10 56 50.9	-1.4
RR12	Red Ridge	127.66 25	ePKP	PKP	10 56 49.5	-2.7

LOHW	Long Hollow	127.75 25	ePKP	PKP	10 56 49.6	-2.7
SNOW	Snow King Moun	127.81 25	ePKP	PKP	10 56 49.9	-2.5
REDW	Red Top Meadow	127.84 25	ePKP	PKP	10 56 49.9	-2.7
NVAR	Mina Array Ba	127.88 35	PKP	PKP	10 56 50.5	-2.3
MTGM	Mountain Hills	128.47 26	ePKP	PKP	10 56 51.9	-2.1
BGU	Big Grassy Mnt	128.80 29	ePKP	PKP	10 56 52.0	-2.4
PDAR	Pinedale Array	128.88 24	PKP	PKP	10 56 51.8	-2.8
HWUT	Hardware Ranch	128.95 27	ePKP	PKP	10 56 51.8	-2.9
HWUT	Hardware Ranch	128.95 27	ePKP	PKP	10 58 58.0	-2.9
TRCR	Troy Canyon	129.44 33	ePKP	PKP	10 56 53.3	-2.3
DUG	Dugway	129.47 29</				



az=48.0  
 NEIC 01 11:38:18.5u,4.6,9.03S,106.11E,h39km,47km,mb4.4/1,  
 Error ellipse: s-maj=76.8km s-min=9.9km az=224.0  
 ISC 01 11:38:16.7u,2.0,8.8S,0.5,106.4E,0.5,h33km,n15,  
 o054/12,mb4.3/11,MS4.2/2, South of Java

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
SONM	Songino Array	29.99	338	Op	11 23 21.6	-1.5
0.2nm,0.5s,baz=162,slow=9.1,SNR=3.2						
MKAR	Makanchi Array	41.74	318	P	11 25 01.2	-1.8
1.0nm,0.4s,baz=112,slow=9.3,SNR=19						
WRA	Warramunga Arr	42.09	164	P	11 25 04.4	-1.9
0.4nm,0.6s,baz=344,slow=6.9,SNR=11						
ASAR	Alice Springs	45.55	166	P	11 25 32.6	-1.7
0.2nm,0.3s,baz=344,slow=7.3,SNR=7.1						
YKA	Yellowknife Arr	85.50	23	P	11 29 49.9	-1.4
0.2nm,0.5s,baz=309,slow=4.6,SNR=7.9						

CSEM 01 11:22:04.9u,0.3,61.69N,30.89E,h2km,ML2.2,Error  
 ellipse: s-maj=6.8km s-min=3.2km az=131.0  
 IDC 01 11:22:06.4u,2.4,61.72N,30.75E,mb1.3/4,  
 mb1mx3.2/20,mbtmp3.3/4,ML3.1/4, Error ellipse:  
 s-maj=25.7km s-min=11.4km az=131.0  
 BER 01 11:22:07.2u,4.6,61.85N,30.62E,ML2.7(NAO),  
 Suspected explosion  
 NAO 01 11:22:08.5u,2.4,62.04N,30.31E,ML2.7  
 HEL 01 11:22:04.0u,5.61,73N,31.04E,ML2.2,ML2.7(NAO),  
 Explosion,Baltic States - Belarus - Northwestern  
 Russia

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
VJF	Virojoki	2.07	236	Op	11 22 40.3	-0.6
VJF	Virojoki	2.07	236	eS	11 23 05.5	-2.2
VJF	Virojoki	2.07	236	P	11 22 40.2	-0.7
VJF	Virojoki	2.07	236	S	11 23 05.5	-2.3
KAF	Kangasniemi	2.27	282	Op	11 23 43.5	-0.2
KAF	Kangasniemi	2.27	282	eS	11 23 10.9	-2.0
KAF	Kangasniemi	2.27	282	P	11 23 14.1	
KAF	Kangasniemi	2.27	282	S	11 22 43.5	-0.2
FIAO	FINES Array S	2.39	265	Pn	11 22 45.0	-0.5
FIAO	FINES Array S	2.39	265	Lg	11 23 13.1	
FIAO	FINES Array S	2.39	265	Rg	11 23 26.1	
FIAO	FINES Array S	2.39	265	Op	11 22 45.0	-0.4
FIAO	FINES Array S	2.39	265	eS	11 23 13.9	-2.0
FIAO	FINES Array S	2.39	265	P	11 22 45.0	-0.4
FIAO	FINES Array S	2.39	265	S	11 23 13.9	-2.0
FIAO	FINES Array B	2.39	265	Pn	11 22 44.9	-0.5
FIAO	FINES Array B	2.39	265	S	11 23 14.5	-1.4
FIAO	FINES Array S	2.39	265	Op	11 22 47.1	+0.2
FIAO	FINES Array S	2.39	265	eS	11 23 19.9	-0.6
FIAO	FINES Array S	2.39	265	P	11 22 47.0	+0.1
FIAO	FINES Array S	2.39	265	S	11 23 17.8	-0.7
PVF	Pernaja	2.78	247	Op	11 22 49.4	-1.6
PVF	Pernaja	2.78	247	MSG	11 22 49.4	-1.6
KJN	Kajaani	2.81	329	Op	11 22 51.9	+0.5
KJN	Kajaani	2.81	329	MSG	11 22 51.9	+0.5
KJN	Kajaani	2.81	329	P	11 22 51.9	+0.5
KEF	Keuruu	2.95	281	Op	11 22 54.0	+0.6
KEF	Keuruu	2.95	281	MSG	11 23 30.5	
KEF	Keuruu	2.95	281	P	11 22 53.9	+0.5
APA0	Apatity Array	5.96	7	Op	11 22 52.5	-3.5
APA0	Apatity Array	5.96	7	eS	11 25 05.8	
APA0	Apatity Array	5.96	7	Pn	11 23 32.5	-3.5
APA0	Apatity Array	5.96	7	S	11 25 05.8	
ARA0	ARCESS Array S	8.16	346	Op	11 24 02.5	-4.4
ARA0	ARCESS Array S	8.16	346	Lg	11 26 14.2	
ARA0	ARCESS Array S	8.16	346	P	11 24 02.5	-4.4
ARA0	ARCESS Array S	8.16	346	S	11 26 14.2	
ARC5	ARCESS Array B	8.16	346	Op	11 24 02.3	-4.6
ARC5	ARCESS Array B	8.16	346	Pn	11 25 30.3	-1.1
ARC5	ARCESS Array B	8.16	346	S	11 26 13.7	
HFS	Hagfors	8.60	267	Op	11 24 08.1	-4.9
HFS	Hagfors	8.60	267	Lg	11 25 39.7	-1.2
HFS	Hagfors	8.60	267	S	11 26 27.1	
HFS	Hagfors	8.60	267	P	11 24 08.1	-4.9
HFS	Hagfors	8.60	267	eS	11 25 39.7	-1.2
HFS	Hagfors	8.60	267	S	11 26 27.1	
HFS	Hagfors	8.60	267	Pn	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	P	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	Pn	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	P	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	Pn	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	P	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	Pn	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	P	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	Pn	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	P	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	Pn	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	P	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	Pn	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	P	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	Pn	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	P	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	Pn	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	P	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	Pn	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	P	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	Pn	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	P	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	Pn	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	P	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	Pn	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	P	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	Pn	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	P	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	Pn	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	P	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	Pn	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	P	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	Pn	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	P	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	Pn	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	P	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	Pn	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	P	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	Pn	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	P	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	Pn	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	P	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	Pn	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	P	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	Pn	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	P	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	Pn	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	P	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	Pn	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	P	11 24 08.1	-4.8
HFS	Hagfors	8.60	267	S	11 25 39.5	-1.2
HFS	Hagfors	8.60	267	Pn	11 24 08.1	

















Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like SIM, MA2, MA2, MOS, OBNS, etc.

CASC 01 14:50:48.7, 2.4, 14.54N, 93.58W, h97km, 59km, MD4.6, mb4.1(NEIC)
IDC 01 14:50:51.4, 1.4, 14.54N, 92.41W, mb4.0/8, mb1 4.2/9, mb1mx4.0/23, mbmp4.0/9, ML3.8/1, ML3.4/4, Ms1 3.3/4, ms1mx2.8/29, Error ellipse: s-maj=60.8km s-min=18.6km az=48.0

Main table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like JAT, TPC, COM, etc.

PRE 01 14:55:31.8, 2.2, 27.00S, 26.79E, h2km, 15.3km, South Africa
Code Station Name Azimuth Elevation Frequency Power and other technical details

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like SEK, SLR, BOS, etc.

NEIC 01 15:08:06.7, 17.19N, 94.44W, h158km, MD3.8(MEX), After MEX.
MEX 01 15:08:07.5, 0.9, 17.15N, 94.46W, h153km, 10km, MD3.7, 2C, Chiapas

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like CMIG, HUIG, etc.

Code Station Name Azimuth Elevation Frequency Power and other technical details

1d 15h

Table with columns: STATION, NAME, AZ, PHASE, ID, TIME, RES. Includes stations like KURK, STKA, ZAL, BVAR, AKASG, FINES, GERES.

NEIC 01 15:14:35.2, 17.36N-94.56W, h164km, MD3.9(MEX), After

MEX 01 15:14:35.4, 0.8, 17.33N-94.56W, h163km, gkm, MD3.9, 2C, Chiapas

Table with columns: CODE, STATION, NAME, AZ, PHASE, ID, TIME, RES. Includes stations like CMIG, OXX, XAN, VHO, HUIG, PPM.

IDC 01 15:24:21.5, 2.0, 21.63N-143.29E, h299km, 20km, mb3.4/6, m1 3.5/8, mb1mx3.3/23, mbtm4.2/8, Error ellipse: s-maj=82.5km s-min=13.2km az=82.0

ISC 01 15:24:21.0, 1.8, 21.6N, 0.1x143.1E, 0.7, h304km, 19km, n9, c0548/11, mb3.6/6, Mariana Islands region

Table with columns: CODE, STATION, NAME, AZ, PHASE, ID, TIME, RES. Includes stations like CBIJ, JHU, SONMI, WBA, WRA, ASAR, BVAR, ARCES, FINES.

BJI 01 15:27:26.3, 0.0, 20N-97.20E, h22km, mb5.1, mb4.6, Ms4.5, Ms4.4

IDC 01 15:27:27.9, 0.5, 0.19N-97.01E, h33km, 3km, mb4.5/17, ms1 3.9/9, ms1mx3.7/20, Error ellipse: s-maj=20.5km s-min=10.1km az=41.0

HRVD 01 15:27:30.0, 0.8, 0.14N-96.90E, h12km, MW4.7/31, Centroid moment Tensor Solution. LP body waves: s5,c6; Mantle waves: s31,c55; Half duration: 0. Moment tensor: Scale 10^19Nm; M1: 0.93; M2: 0.07; M3: 0.06; M4: 0.26; M5: 0.11; M6: 0.11; M7: 0.06; M8: 0.22; M9: 0.08; M10: 0.16; M11: 0.16; M12: 0.16; M13: 0.16; M14: 0.16; M15: 0.16; M16: 0.16; M17: 0.16; M18: 0.16; M19: 0.16; M20: 0.16; M21: 0.16; M22: 0.16; M23: 0.16; M24: 0.16; M25: 0.16; M26: 0.16; M27: 0.16; M28: 0.16; M29: 0.16; M30: 0.16; M31: 0.16; M32: 0.16; M33: 0.16; M34: 0.16; M35: 0.16; M36: 0.16; M37: 0.16; M38: 0.16; M39: 0.16; M40: 0.16; M41: 0.16; M42: 0.16; M43: 0.16; M44: 0.16; M45: 0.16; M46: 0.16; M47: 0.16; M48: 0.16; M49: 0.16; M50: 0.16; M51: 0.16; M52: 0.16; M53: 0.16; M54: 0.16; M55: 0.16; M56: 0.16; M57: 0.16; M58: 0.16; M59: 0.16; M60: 0.16; M61: 0.16; M62: 0.16; M63: 0.16; M64: 0.16; M65: 0.16; M66: 0.16; M67: 0.16; M68: 0.16; M69: 0.16; M70: 0.16; M71: 0.16; M72: 0.16; M73: 0.16; M74: 0.16; M75: 0.16; M76: 0.16; M77: 0.16; M78: 0.16; M79: 0.16; M80: 0.16; M81: 0.16; M82: 0.16; M83: 0.16; M84: 0.16; M85: 0.16; M86: 0.16; M87: 0.16; M88: 0.16; M89: 0.16; 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M847: 0.16; M848: 0.16; M849: 0.16; M850: 0.16; M851: 0.16; M852: 0.16; M853: 0.16; M854: 0.16; M855: 0.16; M856: 0.16; M857: 0.16; M858: 0.16; M859: 0.16; M860: 0.16; M861: 0.16; M862: 0.16; M863: 0.16; M864: 0.16; M865: 0.16; M866: 0.16; M867: 0.16; M868: 0.16; M869: 0.16; M870: 0.16; M871: 0.16; M872: 0.16; M873: 0.16; M874: 0.16; M875: 0.16; M876: 0.16; M877: 0.16; M878: 0.16; M879: 0.16; M880: 0.16; M881: 0.16; M882: 0.16; M883: 0.16; M884: 0.16; M885: 0.16; M886: 0.16; M887: 0.16; M888: 0.16; M889: 0.16; M890: 0.16; M891: 0.16; M892: 0.16; M893: 0.16; M894: 0.16; M895: 0.16; M896: 0.16; M897: 0.16; M898: 0.16; M899: 0.16; M900: 0.16; M901: 0.16; M902: 0.16; M903: 0.16; M904: 0.16; M905: 0.16; M906: 0.16; M907: 0.16; M908: 0.16; M909: 0.16; M910: 0.16; M911: 0.16; M912: 0.16; M913: 0.16; M914: 0.16; M915: 0.16; M916: 0.16; M917: 0.16; M918: 0.16; M919: 0.16; M920: 0.16; M921: 0.16; M922: 0.16; M923: 0.16; M924: 0.16; M925: 0.16; M926: 0.16; M927: 0.16; M928: 0.16; M929: 0.16; M930: 0.16; M931: 0.16; M932: 0.16; M933: 0.16; M934: 0.16; M935: 0.16; M936: 0.16; M937: 0.16; M938: 0.16; M939: 0.16; M940: 0.16; M941: 0.16; M942: 0.16; M943: 0.16; M944: 0.16; M945: 0.16; M946: 0.16; M947: 0.16; M948: 0.16; M949: 0.16; M950: 0.16; M951: 0.16; M952: 0.16; M953: 0.16; M954: 0.16; M955: 0.16; M956: 0.16; M957: 0.16; M958: 0.16; M959: 0.16; M960: 0.16; M961: 0.16; M962: 0.16; M963: 0.16; M964: 0.16; M965: 0.16; M966: 0.16; M967: 0.16; M968: 0.16; M969: 0.16; M970: 0.16; M971: 0.16; M972: 0.16; M973: 0.16; M974: 0.16; M975: 0.16; M976: 0.16; M977: 0.16; M978: 0.16; M979: 0.16; M980: 0.16; M981: 0.16; M982: 0.16; M983: 0.16; M984: 0.16; M985: 0.16; M986: 0.16; M987: 0.16; M988: 0.16; M989: 0.16; M990: 0.16; M991: 0.16; M992: 0.16; M993: 0.16; M994: 0.16; M995: 0.16; M996: 0.16; M997: 0.16; M998: 0.16; M999: 0.16; M1000: 0.16

NEIC 01 15:27:30.0, 0.3, 0.18N-97.16E, mb5.1/38 Error ellipse: s-maj=10.3km s-min=6.4km az=224.0

MOS 01 15:27:33.4, 2.7, 0.97N-98.49E, h33km, mb5.3/29, Error ellipse: s-maj=13.1km s-min=6.6km az=116.0

ISC 01 15:27:26.0, 0.3, 0.17N, 0.05-97.17E, 0.05, h33km, h33km, 8km; p-P, n187, c1520/131, mb4.9/69, MS4.0/18, 3C-1D, Northern Sumatra

Table with columns: CODE, STATION, NAME, AZ, PHASE, ID, TIME, RES. Includes stations like IPM, KULM, KGM, KSM, BDT, NANT, CHRT, KKM, TSM, VHS, HYB, KMI, CHRT, KKM, TSM,

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
VRSR	comp=N,7.0nm,1.4s					
VRSR	comp=E,9.0nm,0.7s					
VOR	Voronezh	70.60	326	eP	pP	15 38 49.0 -1.6
VOR	comp=Z,50nm,1.6s,mb5.2					
SIM	Simferopol'	71.10	318	p	pP	15 38 52.6 -1.2
SIM	comp=Z,29nm,0.9s,mb5.2					
MOS	Moscow	73.20	329	eP	P	15 38 54.2 -1.5
MOS	comp=Z,33nm,0.6s,mb5.4					
OBN	Obninsk	73.47	329	iP	pP	15 39 06.7 -0.9
OBN	comp=Z,35nm,1.1s,mb5.2					
OBN	comp=Z,100nm,18.0s,MS4.1					
TIXI	Tiksi	74.20	10	eP	P	15 38 59.3 -2.0
TIXI	comp=Z,19nm,0.9s,mb5.0					
TIXI	comp=Z,141nm,16.0s,MS4.3					
BOSA	Boshof	74.24	240	LR	LR	16 04 53.2
BOSA	comp=Z,92nm,20.0s,MS4.1					
AKASG	Malin Array B	76.95	323	p	P	15 39 10.4 -1.8
AKASG	comp=Z,0.9s,mb4.1,baz=90,slow=5.0,SNR=8.6					
AKASG	comp=Z,1.1nm,0.4s,baz=90,slow=5.0,SNR=20					
VRI	Vrincioia	76.35	317	iP	pP	15 39 24.2 -0.2
VRI	comp=Z,2.3nm,0.8s,mb4.8					
MLR	Muntele Rosu	76.79	317	iP	pP	15 39 26.3 -0.6
MLR	comp=Z,2.3nm,0.8s,mb4.8					
BURAR	Bucovina Array	77.77	319	iP	pP	15 39 22.2 +0.3
BURAR	comp=Z,2.3nm,0.8s,mb4.8					
LVV	L'vov	79.04	321	eP	pP	15 39 38.5 -0.7
KWP	Kalwaria	79.84	320	eP	pP	15 39 43.3 -0.2
KOLS	Kolonickie sedl	79.99	320	e	e	15 39 44.6
KOLS	comp=Z,1.1nm,0.8s,mb4.8					
KOLS	comp=Z,1.1nm,0.8s,mb4.8					
KOLS	Kolonickie sedl	79.98	320	e	e	15 39 38.0 +4.1
KOLS	comp=Z,1.1nm,0.8s,mb4.8					
SULW	Suwalki	80.49	325	eP	pP	15 39 45.9 -1.0
CRVS	Cervencia-Dubn	80.50	320	eP	sP	15 39 52.6 +2.1
CRVS	comp=Z,1.1nm,0.8s,mb4.8					
CRVS	Cervencia-Dubn	80.50	320	eP	sP	15 39 52.6 +2.1
CRVS	comp=Z,1.1nm,0.8s,mb4.8					
FINES	FINESS Array B	80.89	337	eP	P	15 39 37.8 -0.7
FINES	comp=Z,1.1nm,0.8s,mb4.8					
KAF	Kangasniemi	80.96	333	eP	P	15 39 41.4 +2.5
KAF	comp=Z,1.0nm,0.8s,mb4.8					
KAF	Kangasniemi	80.98	333	eP	P	15 39 41.4 +2.5
KAF	comp=Z,1.0nm,0.8s,mb4.8					
BILL	Bilbino	82.13	21	eP	pP	15 39 54.2 -1.0
BILL	comp=Z,1.1nm,0.8s,mb4.8					
VYHS	Vyhne	82.14	319	eP	pP	15 39 55.5 -0.2
OKC	Ostrava-Krasne	82.79	320	eP	pP	15 39 51.8 +3.3
OKC	comp=Z,1.1nm,0.8s,mb4.8					
OKC	comp=Z,1.1nm,0.8s,mb4.8					
KEV	Kevo	83.06	341	eP	pP	15 39 54.3 +4.7
KEV	comp=Z,2.9nm,1.2s,mb5.2					
KEV	Kevo	83.06	341	eP	pP	15 39 54.3 +4.7
KEV	comp=Z,2.9nm,1.2s,mb5.2					
ARCES	ARCESS Array B	84.09	340	P	P	15 39 51.8 0.0
ARCES	comp=Z,4.6nm,0.9s,mb4.5,baz=103,slow=5.2,SNR=12					
ARCES	comp=Z,4.6nm,0.9s,mb4.5,baz=103,slow=5.2,SNR=12					
DPC	Dobruska-Polom	84.02	321	eP	pP	15 40 02.6 +0.4
DPC	comp=Z,5.7nm,0.5s,baz=105,slow=4.6,SNR=7.9					
KSP	Ksiaz	84.10	321	eP	pP	15 39 58.9 +4.1
KSP	comp=Z,1.1nm,0.8s,mb4.8					
KSP	Ksiaz	84.10	321	eP	pP	15 40 05.9 +0.2
KSP	comp=Z,1.1nm,0.8s,mb4.8					
BOJS	Bojanc	84.20	316	eP	pP	15 40 06.1 +0.4
BOJS	comp=Z,1.1nm,0.8s,mb4.8					
UPC	Ujice	84.24	321	eP	pP	15 40 06.4 0.0
UPC	comp=Z,1.1nm,0.8s,mb4.8					
PERS	Pernice	84.41	317	eP	pP	15 40 07.5 +0.1
PERS	comp=Z,1.1nm,0.8s,mb4.8					
VISS	Visnje	84.52	316	eP	pP	15 40 07.9 -0.1
VISS	comp=Z,1.1nm,0.8s,mb4.8					
VNDA	Vanda	84.83	169	pP	pP	15 40 08.8 0.0
VNDA	comp=Z,1.5nm,1.0s,baz=316,slow=2.7,SNR=4.4					
PRU	Pruhonice	85.12	320	eP	pP	15 40 11.1 +0.2
PRU	comp=Z,1.1nm,0.8s,mb4.8					
PVCC	Panska Ves	85.15	321	eP	pP	15 40 11.2 +0.2
PVCC	comp=Z,1.1nm,0.8s,mb4.8					
PVCC	Panska Ves	85.15	321	eP	pP	15 40 11.2 +0.2
PVCC	comp=Z,1.1nm,0.8s,mb4.8					
ROBS	Robic	85.48	316	eP	pP	15 40 12.2 -0.5
ROBS	comp=Z,1.1nm,0.8s,mb4.8					
GE2C	GERESS Array S	85.56	319	eP	pP	15 40 13.0 -0.1
GE2C	comp=Z,2.4nm,1.4s,mb5.2					
GER2	GERESS Array S	85.56	319	eP	pP	15 40 13.0 -0.1
GER2	comp=Z,2.4nm,1.4s,mb5.2					
GERES	GERESS Array B	85.65	319	P	P	15 40 03.8 +1.2
GERES	comp=Z,1.5nm,0.9s,mb4.2,baz=108,slow=4.2,SNR=7.8					
BRG	Bergliesshulm	85.58	321	eP	P	15 40 07.5 +4.9
BRG	comp=Z,3.5nm,0.7s,baz=108,slow=4.2,SNR=11					
BRG	Bergliesshulm	85.58	321	eP	P	15 40 13.3
BRG	comp=Z,3.5nm,0.7s,baz=108,slow=4.2,SNR=11					
BRG	comp=Z,30nm,1.6s,mb5.3					
BRG	comp=Z,30nm,1.6s,mb5.3					
KHC	Kasperske Hory	85.67	319	eP	pP	15 40 17.3
KHC	comp=Z,1.1nm,0.8s,mb4.8					
KHC	Kasperske Hory	85.67	319	eP	pP	15 40 11.3 -2.3
KHC	comp=Z,1.1nm,0.8s,mb4.8					
WET	Wetzell	86.13	319	eP	pP	15 40 11.3 -2.3
WET	comp=Z,2.1nm,1.4s,mb5.2					
WET	Wetzell	86.13	319	eP	pP	15 40 15.7 -0.2
WET	comp=Z,2.1nm,1.4s,mb5.2					
CLL	Collm	86.21	321	eP	pP	15 40 17.0 -0.7
CLL	comp=Z,2.1nm,1.4s,mb5.2					
MOX	Moxa	87.04	321	eP	pP	15 40 20.1 -0.2
MOX	comp=Z,2.1nm,1.4s,mb5.2					
MOX	Moxa	87.04	321	eP	pP	15 40 20.1 -0.2
MOX	comp=Z,2.1nm,1.4s,mb5.2					
GRA1	Grafenberg Arr	87.24	320	eP	P	15 40 21.5 +1.1
GRA1	comp=Z,0.4nm,0.9s,baz=95,slow=4.8,SNR=14					
GRA1	Grafenberg Arr	87.24	320	eP	P	15 40 28.6 +7.3
GRA1	comp=Z,0.4nm,0.9s,baz=95,slow=4.8,SNR=14					
GRF	Grafenberg Arr	87.24	320	eP	pP	15 40 21.5 +1.1
GRF	comp=Z,0.4nm,0.9s,baz=95,slow=4.8,SNR=14					
GRF	Grafenberg Arr	87.24	320	eP	pP	15 40 28.6 +7.3
GRF	comp=Z,0.4nm,0.9s,baz=95,slow=4.8,SNR=14					
CLZ	Clausthal	87.88	322	eP	pP	15 40 24.4 +0.1
CLZ	comp=Z,2.0nm,1.2s,mb5.2					
NB2	NORSAR Subarra	87.89	331	P	P	15 40 16.9 +3.3
NB2	comp=Z,2.6nm,1.5s					
NB2	NORSAR Subarra	87.89	331	P	P	15 40 16.9 +3.3
NB2	comp=Z,2.6nm,1.5s					
NB2	NORSAR Subarra	87.89	331	P	P	15 40 16.9 +3.3
NB2	comp=Z,2.6nm,1.5s					
NOA	NORSAR Array B	87.89	331	P	P	15 40 24.0 -0.1
NOA	comp=Z,1.4nm,0.9s,baz=95,slow=4.8,SNR=14					
NOA	NORSAR Array B	87.89	331	P	P	15 40 24.0 -0.1
NOA	comp=Z,1.4nm,0.9s,baz=95,slow=4.8,SNR=14					
BSEG	Bad Segeberg	88.00	324	eP	pP	15 40 26.3 +1.4
BSEG	comp=Z,2.4nm,1.4s,mb5.2					
TNS	Taanus Mts	89.05	320	eP	pP	15 40 30.1 +0.1
TNS	comp=Z,1.9nm,1.1s,mb5.2					
BFO	Black Forest	89.10	318	eP	pP	15 40 29.8 -0.4
BFO	comp=Z,2.3nm,0.8s,mb4.8					
LPG	La Plagne	90.17	315	eP	pP	15 40 28.6 +3.8
LPG	comp=Z,2.3nm,0.8s,mb4.8					
YKA	Yellowknife Arr	113.09	15	PP	PP	15 46 53.5 -1.2
YKA	comp=Z,0.4nm,0.9s,baz=328,slow=6.6,SNR=3.7					
WALA	Waterloo Lakes	124.14	24	ePKPdf	PKPdf	15 46 22.7 -4.4
WALA	comp=Z,0.4nm,0.9s,baz=328,slow=6.6,SNR=3.7					
ULM	Lac du Bonnet	128.55	11	pPKP	PKP	15 46 42.0
ULM	comp=Z,0.3nm,0.4s,baz=312,slow=2.0,SNR=2.8					
PDAR	Pinedale Array	130.98	26	PKP	PKPdf	15 46 37.2 -3.2
PDAR	comp=Z,0.3nm,0.7s,baz=270,slow=3.3,SNR=3.6					
PDAR	Pinedale Array	130.98	26	PKP	PKPdf	15 46 47.2
PDAR	comp=Z,0.3nm,0.7s,baz=270,slow=3.3,SNR=3.6					
TXAR	Lajitas Array	144.56	32	PKP	PKPdf	15 47 01.3 -4.2
TXAR	comp=Z,0.6nm,0.6s,baz=242,slow=1.5,SNR=5.7					
TXAR	Lajitas Array	144.56	32	PKP	PKPdf	15 47 12.1
TXAR	comp=Z,0.6nm,0.6s,baz=242,slow=1.5,SNR=5.7					
CFAA	Coronel Fontan	145.82	202	pPKPbc	PKP	15 47 15.3
CFAA	comp=Z,4.8nm,0.5s,baz=211,slow=1.0,SNR=2.1					
CFAA	Coronel Fontan	145.82	202	pPKPbc	PKP	15 47 15.3
CFAA	comp=Z,4.8nm,0.5s,baz=211,slow=1.0,SNR=2.1					

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
ISC 01 15:32:11.9,0.6,0.32N,0.09,97.6E,0.1,h33km, h33km,1.0km,pp-P,n49,c1:338/36,mb4.6/23,MS3.9/1, Northern Sumatera						
KULM	Kulim	5.81	32	ePn	ISC	15 33 38.5 +0.5
KULM	comp=Z,1.1nm,0.8s,mb4.8					
CHIANG	Chiang Mai	18.43	4	P	P	15 36 43.5 +1.7
CHIANG	comp=Z,1.1nm,0.8s,mb4.8					
NANT	Nan	18.62	9	P	P	15 36 29.0 -0.1
NANT	comp=Z,1.1nm,0.8s,mb4.8					
KKIN	Kota Kinabalu	19.45	73	P	P	15 36 37.1 -1.5
KKIN	comp=Z,1.1nm,0.8s,mb4.8					
JIRN	Jiri	29.30	339	eP	P	15 38 15.0 +1.4
JIRN	comp=Z,1.1nm,0.7s,mb5.2					
PKI	Pulchoki	29.50	338	eP	P	15 38 17.5 +2.1
PKI	comp=Z,1.1nm,0.7s,mb5.2					
GUN	Gumba	29.64	339	eP	P	15 38 17.6 +1.0
GUN	comp=Z,1.1nm,0.7s,mb5.2					







Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Malin Array B, Paso Flores, Bergjesshubel, etc.

IDC 01 16:47:25.0, 2.4, 5.25N-94.78E, mb3.9/5, mb1 4.1/5, mb1mx3.8/18, mbtmp3.9/5, MS3.3/1, Ms1 3.3/1, ms1mx2.7/30, Error ellipse: s-maj=102.2km s-min=27.5km az=56.0

NEIC 01 16:47:28.6, 1.4, 5.08N-94.47E, h30km, mb4.3/1, Error ellipse: s-maj=36.4km s-min=13.8km az=216.0

ISC 01 16:47:26.8, 1.7, 5.1N-94.95E, 0.2, h30km, n8, o044/7, mb4.0/6, MS3.3/1, Northern Sumatra

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Kulim, Songoing Array, Warramunga Arr, etc.

IDC 01 17:07:54.0, 28.0, 1.71N-100.82E, mb3.9/3, mb1 4.1/3, mb1mx3.6/15, mbtmp3.9/5, Error ellipse: s-maj=517.3km s-min=220.6km az=141.0, Northern Sumatra

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Warramunga Arr, Alice Springs, Songoing Array, etc.

IDC 01 17:13:56.8, 3.4, 0.25S-97.08E, mb3.9/5, mb1 4.1/5, mb1mx3.8/16, mbtmp3.9/5, Error ellipse: s-maj=142.7km s-min=22.6km az=61.0

NEIC 01 17:14:01.5, 1.1, 0.26S-97.11E, h30km, mb4.3/1, Error ellipse: s-maj=30.9km s-min=12.5km az=76.0

ISC 01 17:13:59.8, 1.6, 0.2S-101.97E, 0.3, h33km, n9, o045/8, mb3.9/6, Southwest of Sumatra

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Warramunga Arr, Alice Springs, Songoing Array, etc.

IDC 01 17:22:00.5, 2.4, 12.67N-90.53W, mb4.0/8, mb1 4.3/8, mb1mx4.0/20, mbtmp4.1/8, Error ellipse: s-maj=63.1km s-min=27.6km az=31.0

CASC 01 17:22:13.2, 0.0, 13.51N-91.42W, h73km, 33km, MD4.1, ML4.1, mb4.3(NEIC)

NEIC 01 17:22:16.3, 1.0, 13.50N-91.04W, h75km, 8km, mb4.3/5, MD4.7(MEX), Error ellipse: s-maj=18.3km s-min=9.2km az=208.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Jato, Fuego 3, Ixcap, Tecpan 2, etc.

BUI 01 17:24:36.3, 0.82N-97.27E, h31km, mb5.4, mb5.1, Ms5.3, Ms2.5

MOS 01 17:24:39.5, 1.1, 1.15N-97.33E, h33km, mb5.3/44, MS4.9/16, Error ellipse: s-maj=11.0km s-min=6.2km az=100.1

HRVD 01 17:24:40.2, 1.1, 1.16N-97.23E, h21km, MW5.1/42, Centroid moment Tensor Solution, LP body waves: s34,c55,Mantle waves: s42,c66; Half duration: 0 Moment tensor: Scale: 10^16Nm; Mr:2.47; 2.3; Mw:1.75; 1.3; Mw:0.72; 2.3; Mw:2.52; 3.5; Mw:3.30; 1.3; Mw:2.57; 4.1; Best double couple: Mo:5.049x10^16 NP1:phi:297; 823; 70; NP2:phi:138; 868; 988. Principal axes: T 4.017, Plig66\*, Azm62; N2.062, Plig8\*, Azm315; P-6.081, Plig23\*, Azm221; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 01 17:24:40.2, 0.2, 1.14N-97.24E, mb5.1/50 Error ellipse: s-maj=9.1km s-min=4.7km az=212.0

IDC 01 17:24:42.4, 2.5, 1.16N-97.33E, h44km, 22km, mb4.4/22, Ms1 4.5/22, ms1mx4.4/24, mbtmp4.6/22, MS4.7/12, Ms1 4.7/12, ms1mx4.5/23, Error ellipse: s-maj=18.9km s-min=10.1km az=42.0

ISC 01 17:24:38.0, 5.2, 1.13N-100.04E-97.28E, 0.03, h26km, h26km, 6km; pP, n237, r, f150/244, mb5.0/92, MS5.0/48, 21C-9D, Northern Sumatra

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Iph, Kulim, Kiang, Sng, etc.

IDC 01 17:24:42.4, 2.5, 1.16N-97.33E, h44km, 22km, mb4.4/22, Ms1 4.5/22, ms1mx4.4/24, mbtmp4.6/22, MS4.7/12, Ms1 4.7/12, ms1mx4.5/23, Error ellipse: s-maj=18.9km s-min=10.1km az=42.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Iph, Kulim, Kiang, Sng, etc.

IDC 01 17:24:42.4, 2.5, 1.16N-97.33E, h44km, 22km, mb4.4/22, Ms1 4.5/22, ms1mx4.4/24, mbtmp4.6/22, MS4.7/12, Ms1 4.7/12, ms1mx4.5/23, Error ellipse: s-maj=18.9km s-min=10.1km az=42.0

ISC 01 17:24:38.0, 5.2, 1.13N-100.04E-97.28E, 0.03, h26km, h26km, 6km; pP, n237, r, f150/244, mb5.0/92, MS5.0/48, 21C-9D, Northern Sumatra

IDC 01 17:24:42.4, 2.5, 1.16N-97.33E, h44km, 22km, mb4.4/22, Ms1 4.5/22, ms1mx4.4/24, mbtmp4.6/22, MS4.7/12, Ms1 4.7/12, ms1mx4.5/23, Error ellipse: s-maj=18.9km s-min=10.1km az=42.0

ISC 01 17:24:38.0, 5.2, 1.13N-100.04E-97.28E, 0.03, h26km, h26km, 6km; pP, n237, r, f150/244, mb5.0/92, MS5.0/48, 21C-9D, Northern Sumatra

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



SMLA	Simla	35.40	329	1	P	17 31 24.4	-10
NJ2	Nanjing	36.88	31	eP	pP	17 31 47.4	+0.4
NJ2				AP	pP	17 32 01.6	+3.5
NJ2				XP	sP	17 33 14.9	+1.8
NJ2				PP	S	17 37 32.0	+2.5
NJ2				S	S	17 37 49.0	
NJ2	comp=Z,60nm,1.2s,mb5.3			XS	AMB		
NJ2	comp=Z,794nm,5.2s			AMB	AMB		
NJ2	comp=N,5um,13.0s,MS5.6			LR	LR		
NJ2	comp=E,4um,14.0s,MS5.6			LR	LR		
NJ2	comp=Z,18um,14.3s,MS6.0			LR	LR		
THN	Thein Dam	37.18	329	eP	P	17 31 47.6	-1.9
SSE	Sheshan	37.43	35	eP	P	17 31 49.7	-1.8
SSE				AP	pP	17 31 59.5	+0.1
SSE				S	S	17 37 38.1	+0.3
SSE				XS	AMB	17 37 57.2	
SSE	comp=Z,60nm,0.8s,mb5.5			AMB	AMB		
SSE	comp=Z,135nm,4.1s			AMB	AMB		
SSE	comp=N,1um,14.7s,MS5.1			LR	LR		
SSE	comp=E,2um,14.7s,MS5.1			LR	LR		
SSE	comp=Z,2um,15.0s,MS5.1			LR	LR		
SSE	Sheshan	37.43	35	eP	P	17 31 49.7	-1.8
SSE	comp=Z,60nm,0.8s,mb5.5			pP	pP	17 31 59.5	+0.1
SSE				S	S	17 37 38.1	+0.3
SSE				sS	sS	17 37 57.2	
SSE				SS	SS	17 40 31.5	+2.1
SSE				LR	LR		
GTA	comp=Z,2um,15.0s,MS5.1			P	P	17 31 57.7	0.0
GTA	Gaotai	38.17	3	P	AP	17 32 06.6	+1.0
GTA				XP	pP	17 32 09.5	+0.6
GTA				PP	PP	17 33 29.4	+0.9
GTA				PPP	PPP	17 33 46.3	-4.4
GTA				PCP	PCP	17 34 13.5	+0.9
GTA				S	S	17 37 47.0	-2.0
GTA				SCP	SCP	17 37 56.0	
GTA				SCS	SCS	17 42 06.5	+1.1
GTA				AMB	AMB		
GTA	comp=Z,33nm,1.3s,mb4.9			AMB	AMB		
GTA	comp=Z,400nm,6.1s			LR	LR		
GTA	comp=N,1um,18.3s,MS5.0			LR	LR		
GTA	comp=E,1um,16.0s,MS5.0			LR	LR		
GTA	comp=Z,2um,19.9s,MS4.8			LR	LR		
NWAO	Narogin (SRO)	38.76	153	LR	LR	17 47 29.3	
JOW	Kunigami	39.23	47	LR	LR	17 47 03.2	
BTO	Baotou	40.96	15	eP	P	17 32 22.0	+1.2
BTO				S	S	17 38 38.0	+7.1
BTO				AMB	AMB		
HHC	Hu-ho-hao-te	41.60	16	eP	pP	17 32 27.0	+0.9
HHC				XP	sP	17 32 36.2	+2.2
HHC				PCP	PCP	17 34 22.9	-0.7
HHC				SCP	SCP	17 38 10.0	
HHC				PCS	S	17 38 12.4	
HHC				S	S	17 38 42.4	+1.9
HHC				XS	SS	17 39 56.7	
HHC				SS	SS	17 41 44.0	+3.1
HHC				SCS	SCS	17 42 26.4	+0.8
HHC				AMB	AMB		
HHC	comp=Z,21nm,1.7s,mb4.5			AMB	AMB		
HHC	comp=Z,463nm,5.5s			LR	LR		
HHC	comp=N,2um,16.7s,MS5.3			LR	LR		
HHC	comp=E,3um,16.1s,MS5.3			LR	LR		
HHC	comp=Z,2um,16.2s,MS5.1			LR	LR		
WRA	Warramunga Arr	41.93	122	P	P	17 32 28.4	-0.7
WRA	comp=Z,1.6nm,1.0s,baz=292,slow=16,SNR=4.8			S	S	17 38 43.3	-2.2
WRAB	Tennant Creek	41.93	122	eP	P	17 32 28.7	-0.4
WRAB				pmax	pmax		
WRAB	comp=Z,19nm,0.6s,mb4.9			P	P	17 32 28.6	-0.4
WRAB	comp=Z,20nm,0.6s,mb4.9			P	P	17 32 28.8	-0.3
WB2	Warramunga Arr	41.94	122	iP	pP	17 32 32.7	+0.4
BJT	Baijiatuu	42.35	22	eP	P	17 32 40.7	+0.5
BJT				ePPP	pmax		
BJT	comp=Z,39nm,0.8s			eP	P	17 32 32.7	+0.4
BJT	comp=Z,39nm,0.8s,mb5.1			eP	pP	17 32 40.7	+0.5
BJT	Beijing	42.38	22	eP	P	17 32 33.1	+0.6
BJT				PP	PP	17 34 14.2	+0.7
BJT				S	S	17 38 58.6	+6.7
BJT				AMB	AMB		
BJT	comp=Z,38nm,0.9s,mb5.0			AMB	AMB		
BJT	comp=Z,582nm,3.1s			LR	LR		
BJT	comp=N,1um,14.8s,MS5.1			LR	LR		
BJT	comp=E,2um,17.4s,MS5.1			LR	LR		
BJT	comp=Z,755nm,20.1s,MS4.6			eP	P	17 32 33.1	+0.6
BJT	comp=Z,38nm,0.9s,mb5.0			PP	PP	17 34 14.2	+0.7
BJT				PS	PS	17 38 58.6	+6.7
BJT				SS	SS	17 39 12.0	
BJT				LR	LR	17 42 12.1	+1.7
KSH	Kashi	42.87	336	P	P	17 32 36.0	-0.5
KSH				eAP	pP	17 32 43.1	-1.3
KSH				eXP	sP	17 32 46.1	-1.6
KSH				ePCP	pP	17 34 28.0	+0.2
KSH				ePPP	PPP	17 34 51.0	-1.9
KSH				eSCP	SCP	17 38 16.0	
KSH				ePCS	S	17 38 19.1	
KSH				eS	S	17 39 57.1	-2.0
KSH				eSCS	SCS	17 42 33.1	-0.2
KSH				AMB	AMB		
KSH	comp=Z,410nm,3.7s			LR	LR		
KSH	comp=N,610nm,9.3s			LR	LR		
KSH	comp=E,1um,14.4s			P	P	17 32 40.4	+0.3
ASPA	Alice Springs	43.28	127	eP	P	17 39 02.8	-2.5
ASPA				S	S	17 39 04.9	-0.5
ASAR	Alice Springs	43.29	127	P	P	17 39 04.9	-0.5
ASAR				S	S	17 39 04.9	-0.5
ASAR	comp=E,1.6nm,1.0s,baz=298,slow=3.4,SNR=5.0			ScP	S	17 38 18.6	
ASAR	comp=E,2.2nm,1.1s,baz=297,slow=1.5,SNR=4.3			LR	LR	17 54 15.7	
ASAR	comp=E,568nm,19.5s,MS4.5,baz=295,slow=4.7			iP	P	17 32 41.0	+0.6
WMQ	Urumqi	43.36	350	iP	AP	17 32 49.5	+1.2
WMQ				XP	sP	17 32 55.0	+3.4
WMQ				PP	PP	17 34 23.9	+0.6
WMQ				PCP	PCP	17 34 31.0	+1.6
WMQ				PPP	PPP	17 34 59.1	0.1
WMQ				S	S	17 39 05.1	-1.1
WMQ				XS	AMB	17 39 21.5	
WMQ				AMB	AMB		
WMQ	comp=Z,43nm,1.2s,mb5.0			AMB	AMB		
WMQ	comp=Z,315nm,4.9s			AMB	AMB		

WMQ	comp=N,608nm,18.6s,MS4.7			LR	LR		
WMQ	comp=E,642nm,20.8s,MS4.7			LR	LR		
WMQ	comp=Z,573nm,21.0s,MS4.5			LR	LR		
DL2	Dalian	43.70	28	P	S	17 32 43.7	+0.4
DL2				P	S	17 39 15.2	+4.0
DL2	comp=Z,30nm,0.9s,mb5.0			AMB	AMB		
DL2	comp=Z,260nm,4.6s			LR	LR		
DL2	comp=N,490nm,14.7s,MS4.6			LR	LR		
DL2	comp=E,230nm,11.4s,MS4.6			LR	LR		
DL2	comp=Z,650nm,14.5s,MS4.7			LR	LR		
ULHL	Ulhol	45.09	338	P	P	17 32 56.9	+2.4
ULHL	SNR=6.1			e	e		
INCN	Inchon	45.16	33	eP	P	17 32 54.3	-0.8
INCN	comp=Z,26nm,0.8s,mb5.1			e	pP	17 33 01.4	-1.5
INCN	Kyzart	45.33	337	P	P	17 32 57.5	+1.2
INCN	SNR=9.8			P	P	17 33 00.2	+0.6
UZH	Uchter	45.75	336	P	P	17 33 00.9	-0.1
UZH	SNR=27			P	P	17 33 02.2	+1.1
TKM2	Tokmak 2	45.91	338	P	P	17 33 02.5	+0.9
TKM2	SNR=28			P	P	17 33 03.0	+0.6
KBK	Karagaybulak	45.94	337	P	P	17 33 02.0	-0.4
KBK	SNR=23			eP	pmax	17 33 04.0	+0.7
AML	Almayashu	46.00	336	P	P	17 33 04.0	+0.7
AML	SNR=5.7			e	MLR	17 33 12.0	+0.8
AAK	Ala-Archa	46.10	337	P	P	17 33 02.0	-0.4
AAK	SNR=5.7			eP	pmax	17 33 04.0	+0.7
AAK	Ala-Archa	46.10	337	eP	pmax	17 33 02.0	-0.4
AAK	comp=Z,25nm,1.3s,mb5.0			eP	pP	17 33 04.0	+0.7
AAK	Ala-Archa	46.10	337	eP	pP	17 33 04.0	+0.7
AAK	comp=Z,25nm,1.3s,mb5.0			e	MLR	17 33 12.0	+0.8
FRU	Bishkek	46.22	337	eP	e	17 33 04.0	+0.7
FRU				e	MLR	17 33 12.0	+0.8
FRU	comp=Z,700nm,16.0s,MS4.7			P	P	17 33 04.4	+0.4
CHMS	Chumysh	46.31	337	P	P	17 33 05.4	+0.5
CHMS	SNR=9.0			P	P	17 33 06.3	-0.3
EKS2	Erkin-Say	46.41	336	P	P	17 33 08.8	-0.2
EKS2	SNR=19			P	P	17 33 15.4	-1.5
USP	Ospenovka	46.63	337	P	P	17 33 18.0	-2.1
USP	SNR=3.3			P	P	17 40 03.2	+5.6
USP	Shenyang	46.93	27	iP	SS	17 43 18.2	+1.0
USP				AP	pP	17 33 08.8	-0.2
USP				XP	sP	17 33 18.0	-2.1
USP				S	S	17 40 03.2	+5.6
USP				SS	SS	17 43 18.2	+1.0
USP				AMB	AMB		
USP	comp=Z,50nm,1.5s,mb5.2			AMB	AMB		
USP	comp=Z,440nm,4.9s			LR	LR		
USP	comp=N,2um,15.7s,MS5.2			LR	LR		
USP	comp=E,1um,14.7s,MS5.2			LR	LR		
USP	comp=Z,2um,15.5s,MS5.2			LR	LR		
SONM	Songrio Arry	47.19	8	P	P	17 33 10.9	0.0
SONM	comp=Z,7.1nm,0.7s,mb4.7,baz=191,slow=8.3,SNR=43			LR	LR	17 55 46.9	
SONM	comp=Z,3um,18.6s,MS5.3,baz=84,slow=40			LR	LR	17 55 46.9	
ULN	Ulanbaatar	47.32	9	eP	P	17 33 11.6	-0.4
ULN				e	pmax	17 33 11.6	-0.4
ULN	comp=Z,46nm,1.5s,mb5.2			P	P	17 33 11.6	-0.4
ULN	Ulanbaatar	47.32	9	eP	P	17 33 26.6	-1.0
ULN	comp=Z,46nm,1.5s,mb5.2			eP	pP	17 33 33.9	-1.8
CN2	Changchun	49.33	27	iP	eAP	17 33 30.9	-0.4
CN2				eS	AMB		
CN2	comp=Z,20nm,0.9s,mb5.2			AMB	AMB		
CN2	comp=Z,300nm,6.0s			AMB	AMB		
CN2	comp=N,1um,17.0s,MS5.0			LR	LR		
CN2	comp=E,1um,17.0s,MS5.0			LR	LR		
CN2	comp=Z,1um,18.0s,MS5.0			LR	LR		
ZAK	Zakamensk	49.34	51	eP	P	17 33 26.9	-0.7
ZAK				eP	pmax	17 33 36.2	+0.1
MOY	Mondy	50.46	3	eP	P	17 33 36.2	+0.1
MOY				eP	pmax	17 33 38.2	+0.6
MOY	comp=Z,33nm,2.6s,mb4.9			eS	S	17 40 44.9	-4.6
MOY	Talaya	50.66	5	eP	P	17 33 38.2	+0.6
MOY				eS	pmax	17 40 44.9	-4.6
MOY	comp=Z,14nm,1.2s,mb4.8			MLR	MLR		
MOY	comp=Z,2um,19.0s,MS5.0			MLR	MLR		
MOY	Talaya	50.66	5	eP	P	17 33 36.5	-1.1
MOY	comp=Z,20nm,1.4s,mb4.8			P	P	17 33 42.6	+0.3
IRK	Irkutsk	51.27	6	eP	P</		







CLNS	comp=Z,17nm,0.6s,mb5.2	pmax	pmax			
CLNS	comp=N,11nm,1.0s	pmax	pmax			
CLNS	comp=E,14nm,0.8s	pmax	pmax			
ARU	Arti	50.62 336	i/P	P	19 30 47.7 -0.4	
ARU			e		19 32 04.1	
ARU			e		19 32 48.5	
ARU			ePPP	PPP	19 37 59.7 +0.2	
ARU			eS	SS	19 41 32.8 +1.7	
ARU			eSS	pmax		
ARU	comp=Z,16nm,0.9s,mb5.0					
ARU	Arti	50.62 336	eP	P	19 30 47.4 -0.8	
ARU			e		19 32 04.1	
NWAO	Narrogin (SRO)	51.36 153	p	P	19 30 53.5 -0.5	
NWAO			pP		19 31 02.0 -1.3	
NWAO	comp=Z,9.6nm,0.5s,baz=110,slow=21,SNR=2.8					
WRA	Warramunga Arr	52.45 128	P	P	19 31 01.5 -0.9	
WRA			S	P	19 32 13.0	
WRA			S	P	19 38 22.4 -2.6	
WRA	Warramunga Arr	52.45 128	S	P	19 31 01.5 -0.9	
WRA			S	P	19 32 13.0 +1.0	
WRA	comp=Z,5.0nm,0.5s,baz=317,slow=3.0,SNR=23					
WRA			pP		19 32 21.3	
WRA	comp=Z,2.3nm,0.6s,baz=309,slow=3.5,SNR=5.7					
WRA			S	P	19 38 22.4 -2.6	
WRAB	Tennant Creek	52.45 128	eP	P	19 31 01.7 -0.8	
WRAB			e	pmax		
WRAB	comp=Z,9.0nm,0.5s,mb5.0					
WRAB	Tennant Creek	52.45 128	eP	P	19 31 01.7 -0.7	
WRAB			e	pmax		
WRAB	comp=Z,8.6nm,0.5s,mb4.9					
WBZ	Warramunga Arr	52.45 128	eP	P	19 31 01.8 -0.7	
ASAJ	Asahikawa	52.54 44	e	P	19 31 02.7 -0.2	
ASAJ			e	P	19 31 02.7 -0.2	
KIV	Kislovodsk	52.62 316	eP	P	19 31 03.0 -0.5	
KIV			e	pmax		
KIV	comp=Z,54nm,1.1s,mb5.4					
KIV	Kislovodsk	52.62 316	eP	P	19 31 03.0 -0.4	
KIV			e	pmax		
KIV	comp=Z,54nm,1.1s,mb5.0					
GOF	Gofitskoye	52.77 317	eP	P	19 31 05.5 +0.9	
YSS	Yuzh-Sakhalins	53.67 41	eP	P	19 31 11.0 -0.1	
YSS			e	pmax		
YSS	comp=Z,19nm,1.0s,mb5.0					
YSS	Yuzh-Sakhalins	53.67 41	eP	P	19 31 11.0 -0.2	
YSS			e	pmax		
YSS	comp=Z,19nm,1.0s,mb5.0					
MALT	Malatyia	54.15 308	eP	P	19 31 14.9 +0.2	
MALT			e	pmax		
MALT	comp=Z,11nm,1.1s,mb4.7					
MALT	Malatyia	54.15 308	eP	P	19 31 14.9 +0.2	
MALT			e	pmax		
MALT	comp=Z,11nm,1.1s,mb4.7					
ASPA	Alice Springs	54.33 132	eP	P	19 31 15.6 -0.7	
ASAR	Alice Springs	54.33 132	eP	P	19 31 15.7 -0.6	
ASAR			e	pmax		
ASAR	comp=Z,4.5nm,0.5s,mb4.7,baz=308,slow=6.8,SNR=57					
ASAR			S	P	19 38 48.7 -1.8	
ASAR	Alice Springs	54.33 132	S	P	19 31 15.7 -0.6	
ASAR			S	P	19 32 20.1 +0.2	
ASAR	comp=Z,3.5nm,0.6s,baz=317,slow=4.2,SNR=9.7					
ASAR			pP		19 32 28.7	
ASAR	comp=Z,1.9nm,0.7s,baz=311,slow=3.8,SNR=4.3					
ASAR			ScP		19 36 14.4	
ASAR	comp=Z,1.4nm,0.9s,baz=313,slow=3.7,SNR=6.1					
ASAR			LR		19 38 48.7 -1.8	
ASAR	comp=Z,0.8nm,0.8s,baz=310,slow=1.4,SNR=4.7					
ASAR			LR		19 58 52.7	
ASAR	comp=Z,83nm,18.1s,MS3.8,baz=32,slow=41					
YAK	Yakutsk	55.59 20	eP	P	19 31 23.4 -1.6	
YAK			e	pmax		
YAK	comp=Z,48nm,0.9s,mb5.5					
YAK	Yakutsk	55.59 20	eP	P	19 31 23.4 -1.5	
YAK			e	pmax		
YAK	comp=Z,48nm,0.9s,mb5.5					
EIL	Eilat	55.77 297	eP	P	19 31 26.4 -0.3	
EIL			e	pmax		
EIL	comp=Z,6.6nm,0.8s,mb4.7					
ANN	Anapa	56.47 315	eP	P	19 31 31.5 +0.0	
ANN			e	pmax		
ANN	comp=Z,27nm,0.6s,mb5.4,baz=104,slow=22,SNR=7.1					
ANN	MOX	74.41 319	eP	P	19 32 25.7 +0.3	
ANN	MOX	74.41 319	eP	P	19 32 25.7 +0.3	
ANN	HSP	Hornsund	74.49 347	eP	P	19 39 23.2 +4.5
ANN			e	pmax		
ANN	NB2	NORSAR Subarray	74.58 330	eP	P	19 39 23.2 +4.5
ANN			e	pmax		
ANN	comp=Z,9.6nm,0.7s,mb4.8,baz=91,slow=5.8					
ANN	NORSAR Array B	74.58 330	eP	P	19 39 23.2 +4.5	
ANN			e	pmax		
ANN	comp=Z,6.7nm,0.6s,mb4.7,baz=90,slow=5.8,SNR=28					
ANN	NOA	74.58 330	eP	P	19 39 23.2 +4.5	
ANN			e	pmax		
ANN	comp=Z,5.5nm,0.8s,baz=91,slow=5.7,SNR=7.6					
ANN	NOA	74.58 330	eP	P	20 12 21.5	
ANN			e	pmax		
ANN	comp=Z,62nm,18.7s,MS3.9,baz=130,slow=41					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 38.4 +0.3	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=Z,9.0nm,1.0s,mb4.7					
GRA1	Grafenberg Arr	74.70 318	eP	P	19 33 29.2 +0.6	
GRA1			e	pmax		
GRA1	comp=					









BOLS	Boljevac	79.85	314	iP	P	20 44 42.1	-0.9
SKO	Skopje	79.93	313	iP	P	20 44 42.0	-1.5
APA	Apatity	80.29	339	iP	P	20 44 45.2	+0.3
APA				i	S	20 44 52.6	-1.7
APA				i	S	20 54 50.0	+3.1
APA	comp=Z,31nm,1.0s,mb5.2				pmax		
KWP	Kawaria	80.36	320	eP	P	20 44 46.0	+0.4
KWP	Kawaria	80.36	320	eP	P	20 44 46.0	+0.3
BZS	Buzias	80.38	316	iP	P	20 44 46.1	+0.3
BZS	Buzias	80.38	316	iP	P	20 44 45.3	-0.5
BZS	Buzias	80.38	316	iP	P	20 44 45.3	-0.5
SVIS	Sviljaz	80.44	315	iP	P	20 44 44.6	-1.6
UZH	Uzhgorod	80.44	319	eP	P	20 44 46.0	-0.1
UZH				i	S	20 54 44.0	-4.9
KOLS	Kolonickie sedl	80.51	320	iP	P	20 44 47.0	+0.5
GRUS	Gruz	80.74	314	iP	P	20 44 46.5	-1.2
SUW	Suwalki	80.95	325	eP	P	20 44 47.4	-1.2
CRVS	Cervenica-Dubn	81.03	339	eP	P	20 44 50.0	+0.8
CRVS				e	P	20 45 05.9	
FINES	FINESS Array B	81.22	312	iP	P	20 44 49.5	-0.4
FINES	comp=Z,11nm,0.7s,mb4.9,baz=104,slow=7.9,SNR=53				LR	21 26 52.4	
FINES	comp=Z,956nm,21.7s,MS5.1,baz=292,slow=40				LR		
DIVS	Dvicitre	81.29	314	iP	P	20 44 50.3	-0.3
KAF	Kangasniemi	81.30	333	eP	P	20 44 49.3	-1.0
KAF	Kangasniemi	81.30	333	eP	P	20 44 49.3	-1.0
KECS	Kecevo	81.60	319	eP	P	20 44 53.1	+0.9
KECS				eS	P	20 45 07.3	+2.6
BILL	Bilibino	81.64	211	eP	P	20 44 52.3	+0.3
BILL	comp=Z,20nm,1.6s,mb4.8				pmax		
BILL	comp=Z,2um,23.0s,MS5.5				MLR		
BILL	Bilibino	81.64	21	eP	P	20 44 52.2	+0.2
NIE	Niedzica	81.86	320	eP	P	20 44 52.1	-1.4
PSZ	Piszkesteto	81.91	318	eP	P	20 44 54.0	+0.2
PSZ	Piszkesteto	81.91	318	eP	P	20 44 53.4	-0.3
PSZ	Piszkesteto	81.91	318	eP	P	20 44 53.7	-0.1
OJC	Ojcowe	82.32	321	eP	P	20 44 56.0	+0.2
OJC				eS	P	20 55 08.0	-0.2
OJC				eS	MLR	21 28 15.0	
YVHS	Yyhne	82.69	319	eP	P	20 44 57.9	+0.1
YVHS				eS	P	20 45 06.3	-0.9
YVHS				eS	P	20 55 17.3	+5.3
SRO	Srobarova	82.95	318	eP	P	20 45 00.6	+1.4
SRO				eP	P	20 45 11.1	+2.5
TIP	Tempagrande	83.14	309	eP	P	20 45 00.7	+0.3
TIP				eP	P	20 45 11.1	+1.3
KEV	Kevo	83.25	341	eP	P	20 44 59.4	-0.9
KEV	Kevo	83.25	341	eP	P	20 44 59.4	-0.9
KEV	comp=Z,32nm,1.1s,mb5.3				pmax		
OKC	Ostrava-Krasne	83.32	320	eP	P	20 45 01.2	+0.2
OKC				eP	P	20 45 09.9	-0.5
OKC				eS	P	20 55 18.8	+0.5
OKC				eS	AMS	21 28 50.0	
ARCES	ARCCESS Array B	83.69	340	iP	P	20 45 02.6	+0.1
ARCES	comp=Z,16nm,0.8s,mb5.2,baz=101,slow=4.0,SNR=34				LR	21 28 32.2	
AREO	ARECESS Array S	83.69	340	iP	P	20 45 02.4	-0.1
MORC	Moravsky Berou	83.70	320	eP	P	20 45 03.4	+0.4
MORC	Moravsky Berou	83.70	320	eP	P	20 45 02.9	-0.1
ZST	Zlatibor	83.80	318	eP	P	20 45 03.8	+0.3
ZST				eS	P	20 45 12.0	-1.0
ZST				eS	P	20 55 26.2	+3.0
KOGS	Kog	84.19	317	eP	P	20 45 06.1	+0.5
KOGS				eP	P	20 45 14.7	-0.3
DPC	Dobruska-Polom	84.55	320	eP	P	20 45 07.6	+0.4
DPC				eP	P	20 45 18.0	-0.7
DPC				eS	P	20 55 32.7	+2.2
DPC				eS	AMS	21 31 00.0	
KSP	Ksiaz	84.61	321	eP	P	20 45 08.1	+0.5
KSP				eP	P	20 45 18.5	+1.5
KSP				eSKS	P	20 55 30.0	-4.2
KSP				LR			
KSP	comp=Z,2um,23.4s,MS5.3				LR		
KSP	Ksiaz	84.61	321	eP	P	20 45 07.2	-0.4
UJICE	Ujice	84.76	321	eP	P	20 45 07.4	-0.5
ARSA	Arzberg	84.77	317	iP	P	20 45 09.0	+0.6
VNDA	Vanda	84.78	169	eP	P	20 45 08.7	+0.9
VNDA				pmax			
VNDA	comp=Z,16nm,1.1s				pmax		
VNDA	Vanda	84.78	169	P	P	20 45 08.7	+0.9
VNDA	comp=Z,5.4nm,0.8s,mb4.7,baz=298,slow=5.5,SNR=30				LR	21 20 00.3	
VNDA	Vanda	84.78	169	eP	P	20 45 08.7	+0.8
VNDA	comp=Z,713nm,19.5s,MS5.1,baz=321,slow=34				LR		
BOJS	Bojanci	84.80	316	eP	P	20 45 08.8	+0.1
BOJS				eP	P	20 45 19.5	+1.4
PERS	Pernice	84.99	317	eP	P	20 45 09.9	+0.4
PERS				eP	P	20 45 18.0	-0.5
LJU	Ljubljana	85.35	316	eP	P	20 45 12.0	+0.7
PRU	Pruhonice	85.65	320	eP	P	20 45 12.9	+0.2
PRU				eP	P	20 45 21.6	-0.6
PRU				eS	P	20 55 41.0	-0.4
PRU				eS	AMS	21 29 50.0	
PVCC	Panska Ves	85.68	320	eP	P	20 45 13.3	+0.4
PVCC				eP	AMS	21 36 50.0	
VOY	Vojsko	85.79	316	eP	P	20 45 13.8	+0.3
VOY				eP	P	20 45 19.3	
BSD	Bornholm Skovb	85.87	325	iP	P	20 45 13.1	-0.6
BSD				i	P	20 45 22.9	-0.3
BSD				i	S	20 55 49.2	+5.8
BSD				i	S	20 55 49.2	+5.8
BSD	comp=Z,17nm,0.9s,mb5.3				pmax		
BSD	Bornholm Skovb	85.87	325	iP	P	20 45 13.1	-0.6
BSD	comp=Z,17nm,0.9s,mb5.3				pmax		
BSD				i	P	20 45 22.9	-0.3
BSD				i	S	20 55 49.2	+5.8
SBA	Scott Base	85.88	169	eP	P	20 45 14.8	+1.5
SBA				eP	pmax		
SBA	comp=Z,179nm,2.0s,mb6.0				pmax		
AQU	Scott Base	85.88	169	eP	P	20 45 14.8	+1.4
AQU	comp=Z,179nm,2.0s,mb6.0				P		
ROBS	Robic	86.07	316	eP	P	20 45 14.7	-0.2
BRG	Berggiesshubel	86.10	321	eP	P	20 45 15.4	+0.4
BRG				e	P	20 45 24.6	+0.2
BRG				e	pmax	20 48 41.1	
BRG	comp=Z,55nm,1.6s,mb5.5				pmax		
BRG	comp=Z,780nm,22.9s,MS5.0				MLR		
BRG	Berggiesshubel	86.10	321	eP	P	20 45 15.4	+0.4
BRG	comp=Z,55nm,1.6s,mb5.5				eP		
BRG				eP	P	20 45 24.6	+0.2
BRG				eP	P	20 48 41.1	+4.1
BRG				LR			
GE2	GERESS Array S	86.11	319	eP	P	20 45 15.6	+0.5
GE2				eP	pmax		
GE2	comp=Z,31nm,1.2s,mb5.4				pmax		
GERES	GERESS Array B	86.11	319	eP	P	20 45 15.6	+0.5
GERES	comp=Z,31nm,1.2s,mb5.4				P		
GERES	comp=Z,8.1nm,1.0s,mb4.9,baz=90,slow=4.0,SNR=33				LR	21 31 24.0	
KHC	Kasperske Hory	86.21	319	eP	P	20 45 15.6	0.0
KHC				eP	P	20 45 24.1	-0.9
KHC				eS	P	20 55 44.9	-1.9

KHC	comp=Z,700nm,19.0s			AMS	AMS	21 30 40.0	
KBA	Koelnbreinsper	86.23	317	iP	P	20 45 17.1	+1.4
KBA	comp=Z,13nm,0.9s,mb5.2				P		
KBA	Koelnbreinsper	86.23	317	iP	P	20 45 17.1	+1.4
RUE	Ruedersdorf	86.32	322	eP	P	20 45 16.2	+0.2
WET	Wetzell	86.67	319	eP	P	20 45 18.3	+0.5
WET				eP	pmax		
WET	comp=Z,29nm,1.4s,mb5.3				pmax		
WEL	Wetzell	86.67	319	eP	P	20 45 18.3	+0.5
COLM	Colim	86.72	321	iP	P	20 45 17.6	-0.4
COLL	comp=Z,29nm,1.4s,mb5.3				i		
COLL				i	MLR	20 45 25.8	-1.7
COLL	comp=Z,700nm,18.2s,MS5.1				P		
COLL	comp=Z,logA/T=1.1,mb5.1				P		
CLL	Colim	86.72	321	iP	P	20 45 17.6	-0.4
CLL				i	P	20 45 26.7	-0.8
CLL				i	*SP	20 45 29.4	-1.1
CLL				i	*SP	20 45 33.2	
CLL				i	PP	20 48 41.3	-1.3
CLL				i	PP	20 45 20.2	+2.2
RGN	Rugen	86.74	324	eP	P	20 45 19.0	+0.1
RGN	comp=Z,97nm,1.2s,mb5.3				P		
HFS	Hagfors	86.96	330	P	P	20 45 19.0	+0.1
HFS	comp=Z,17nm,0.8s,mb5.3,baz=117,slow=3.3,SNR=27				LR	21 32 51.3	
NKC	Novy Kostel	87.01	320	eP	P	20 45 20.0	+0.6
NKC				AMS	AMS	21 33 10.0	
COP	Copenhagen	87.33	326	iP	P	20 45 21.6	+0.8
COP	comp=Z,700nm,18.9s				iP		
COP				eP	pmax	20 45 31.3	+1.0
COP	comp=Z,15nm,0.8s,mb5.3				MLR		
COP	comp=Z,320nm,19.0s,MS4.8				MLR		
COP	Copenhagen	87.33	326	iP	P	20 45 21.6	+0.8
COP	comp=Z,15nm,0.8s,mb5.3				iP	20 45 31.3	+1.0
WTTA	Wattenberg	87.41	317	iP	P	20 45 21.6	+0.2
WTTA	comp=Z,70nm,0.9s,mb5.5				iP		
WTTA	Wattenberg	87.41	317	iP	P	20 45 21.6	+0.2
WTTA				pmax			
MOX	Moixa	87.56	320	eP	P	20 45 24.2	+2.1
MOX	comp=Z,27nm,0.9s,mb5.5				eP		
MOX	comp=Z,51nm,1.8s,mb5.5				pmax		
MOX				MLR	MLR		
MOX	comp=Z,500nm,20.0s,MS4.9				MLR		
MOX	Moixa	87.56	320	eP	P	20 45 24.2	+2.1
MOX	comp=Z,51nm,1.8s,mb5.5				LR		
MOX	comp=Z,500nm,20.0s,MS4.9				LR		
MOX	Moixa	87.56	320	iP	P	20 45 24.2	+2.1
MOX	comp=Z,logA/T=1.4,mb5.4				S	20 55 51.0	-8.6
MOX				L	P	21 39 32.0	
FUR	Furstenfeldbru	87.69	318	eP	P	20 45 22.7	0.0
SGTA	Sankt Quirin	87.70	317	iP	P	20 45 22.9	+0.1
SGTA	comp=Z,12nm,1.0s,mb5.1				iP		
SGTA	Sankt Quirin	87.70	317	iP	P	20 45 22.9	+0.1
SGTA				pmax			
GRA1	Grafenberg Arr	87.78	320	eP	P	20 45 24.0	+0.9
GRA1	comp=Z,13nm,1.0s,mb5.1				eP		
GRA1	comp=Z,40nm,1.3s,mb5.5				LR	20 45 32.5	-0.1
GRA1	comp=Z,800nm,22.0s,MS5.1				LR		
GRA1	Grafenberg Arr	87.78	320	eP	P	20 45 24.0	+0.9
GRA1	comp=Z,12nm,1.0s,mb5.1				eP		
GRF	Grabenberg	87.82	319	eP	P	20 45 32.5	-0.1
GRF				eP	pmax	20	











Table with columns: SMOL, CRVS, KSP, KSP, UPC, PSZ, KOLS, PRU, KHC, KHC, MOA, MOA, CLL. Rows contain station names, codes, and coordinates.

IDC 01 22:30:04.7, 1.7, 0.21N, 96.34E, mb4.1/7, mb1 4.2/7, mb1mx3.7/18, mbtmp4.1/7, Error ellipse: s-maj=85.6km s-min=22.0km az=56.0

NEIC 01 22:30:09.9, 0.7, 0.41N, 96.64E, h30km, mb4.1/1, Error ellipse: s-maj=20.6km s-min=13.2km az=61.0

ISC 01 22:30:08.7, 1.0, 0.51N, 1.967E, 0.2, h30km, n11, c0564/10, mb4.0/0, Off coast of northern Sumatra

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like KULM, FITZ, SONM, KURK, STKA, etc.

NEIC 01 22:33:42.8, 1.4, 43.11N, 19.11E, h10km, Error ellipse: s-maj=17.6km s-min=8.1km az=148.0

PDG 01 22:33:45.0, 0.1, 43.46N, 19.05E, h11km

BEO 01 22:33:44.4, 0.5, 43.53N, 19.03E, h5km, 1km

LDG 01 22:33:44.6, 0.1, 43.48N, 19.21E, h10km, M3.9/5, Error ellipse: s-maj=3.7km s-min=2.3km az=64.0

PRU 01 22:33:47.3, 43.59N, 19.04E

ISC 01 22:33:43.7, 0.2, 43.52N, 0.1x19.00E, 0.02, h5km, n59, c160/101, 14C-10D, Northwestern Balkan Peninsula

Large table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like UPM, PLE, NVSS, BRY, NIKY, IWA, DIVA, TTG, HERC, STON, PUV, BUM, GRUS, BCI, ULC, PUK, BEO, SVIS, QSH, BOL, TIR, SKO, PKSM, NVL, BOJS, CRES, KOG, CIL, LJU, LER, AOR, SRO, OBKA, VOY, PSZ, ARSA, TIM, ROB, ZST, VYS, KBA, MOA, WTTA, MOTA, SNTA, MOA, KHC, KHC, KHC, KHC, KHC, MOA, PGF.

Table with columns: PGF, SBF, CLL, MBDF, LPG, LRF, PRF, LPL. Rows contain station names, codes, and coordinates.

BUI 01 22:43:22.7, 57.40S, 25.80W, h59km, mb4.7, Ms4.7, Ms2.4

NEIC 01 22:43:22.8, 1.4, 57.36S, 25.80W, h59km, 12km, mb4.5/11, Error ellipse: s-maj=11.0km s-min=6.8km az=222.0

IDC 01 22:43:24.1, 4.8, 57.47S, 25.96W, h67km, 42km, mb4.2/13, mb1 4.2/14, mb1mx4.0/22, mbtmp4.4/14, ML3.8/1, Error ellipse: s-maj=22.4km s-min=15.5km az=45.0

ISC 01 22:43:20.2, 3.4, 57.3S, 0.1x25.8W, 0.2, h49km, 33km, n59, c0596/30, mb4.5/17, MS4.3/1, 4C, South Sandwich

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like VNA1, 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, VNA101, VNA102, VNA103, VNA104, VNA105, VNA106, VNA107, VNA108, VNA109, VNA110, VNA111, VNA112, VNA113, VNA114, VNA115, VNA116, VNA117, VNA118, VNA119, VNA120, VNA121, VNA122, VNA123, VNA124, VNA125, VNA126, VNA127, VNA128, VNA129, VNA130, VNA131, VNA132, VNA133, VNA134, VNA135, VNA136, VNA137, VNA138, VNA139, VNA140, VNA141, VNA142, VNA143, VNA144, VNA145, VNA146, VNA147, VNA148, VNA149, VNA150, VNA151, VNA152, VNA153, VNA154, VNA155, VNA156, VNA157, VNA158, VNA159, VNA160, VNA161, VNA162, VNA163, VNA164, VNA165, VNA166, VNA167, VNA168, VNA169, VNA170, VNA171, VNA172, VNA173, VNA174, VNA175, VNA176, VNA177, VNA178, VNA179, VNA180, VNA181, VNA182, VNA183, VNA184, VNA185, VNA186, VNA187, VNA188, VNA189, VNA190, VNA191, VNA192, VNA193, VNA194, VNA195, VNA196, VNA197, VNA198, VNA199, VNA200, VNA201, VNA202, VNA203, VNA204, VNA205, VNA206, VNA207, VNA208, VNA209, VNA210, VNA211, VNA212, VNA213, VNA214, VNA215, VNA216, VNA217, VNA218, VNA219, VNA220, VNA221, VNA222, VNA223, VNA224, VNA225, VNA226, VNA227, VNA228, VNA229, VNA230, VNA231, VNA232, VNA233, VNA234, VNA235, VNA236, VNA237, VNA238, VNA239, VNA240, VNA241, VNA242, VNA243, VNA244, VNA245, VNA246, VNA247, VNA248, VNA249, VNA250, VNA251, VNA252, VNA253, VNA254, VNA255, VNA256, VNA257, VNA258, VNA259, VNA260, 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VNA1120, VNA1121, VNA1122, VNA1123, VNA1124, VNA1125, VNA1126, VNA1127, VNA1128, VNA1129, VNA1130, VNA1131, VNA1132, VNA1133, VNA1134, VNA1135, VNA1136, VNA1137, VNA1138, VNA1139, VNA1140, VNA1141, VNA1142, VNA1143, VNA1144, VNA1145, VNA1146, VNA1147, VNA1148, VNA1149, VNA1150, VNA1151, VNA1152, VNA1153, VNA1154, VNA1155, VNA1156, VNA1157, VNA1158, VNA1159, VNA1160, VNA1161, VNA1162, VNA1163, VNA1164, VNA1165, VNA1166, VNA1167, VNA1168, VNA1169, VNA1170, VNA1171, VNA1172, VNA1173, VNA1174, VNA1175, VNA1176, VNA1177, VNA1178, VNA1179, VNA1180, VNA1181, VNA1182, VNA1183, VNA1184, VNA1185, VNA1186, VNA1187, VNA1188, VNA1189, VNA1190, VNA1191, VNA1192, VNA1193, VNA1194, VNA1195, VNA1196, VNA1197, VNA1198, VNA1199, VNA1200, VNA1201, VNA1202, VNA1203, VNA1204, VNA1205, VNA1206, VNA1207, VNA1208, VNA1209, VNA1210, VNA1211, VNA1212, VNA1213, VNA1214, VNA1215, VNA1216, VNA1217, VNA1218, VNA1219, VNA1220, VNA1221, VNA1222, VNA1223, VNA1224, VNA1225, VNA1226, VNA1227, VNA1228, VNA1229, VNA1230, VNA1231, VNA1232, VNA1233, VNA1234, VNA1235, VNA1236, VNA1237, VNA1238, VNA1239, VNA1240, VNA1241, VNA1242, VNA1243, VNA1244, VNA1245, VNA1246, VNA1247, VNA1248, VNA1249, VNA1250, VNA1251, VNA1252, VNA1253, VNA1254, VNA1255, VNA1256, VNA1257, VNA1258, VNA1259, VNA1260, VNA1261, VNA1262, VNA1263, VNA1264, VNA1265, VNA1266, VNA1267, VNA1268, VNA1269, VNA1270, VNA1271, VNA1272, VNA1273, VNA1274, VNA1275, VNA1276, VNA1277, VNA1278, VNA1279, VNA1280, VNA1281, VNA1282, VNA1283, VNA1284, VNA1285, VNA1286, VNA1287, VNA1288, VNA1289, VNA1290, VNA1291, VNA1292, VNA1293, VNA1294, VNA1295, VNA1296, VNA1297, VNA1298, VNA1299, VNA1300, VNA1301, VNA1302, VNA1303, VNA1304, VNA1305, VNA1306, VNA1307, VNA1308, VNA1309, VNA1310, VNA1311, VNA1312, VNA1313, VNA1314, VNA1315, VNA1316, VNA1317, VNA1318, VNA1319, VNA1320, VNA1321, VNA1322, VNA1323, VNA1324, VNA1325, VNA1326, VNA1327, VNA1328, VNA1329, VNA1330, VNA1331, VNA1332, VNA1333, VNA1334, VNA1335, VNA1336, VNA1337, VNA1338, VNA1339, VNA1340, VNA1341, VNA1342, VNA1343, VNA1344, VNA1345, VNA1346, VNA1347, VNA1348, VNA1349, VNA1350, VNA1351, VNA1352, VNA1353, VNA1354, VNA1355, VNA1356, VNA1357, VNA1358, VNA1359, VNA1360, VNA1361, VNA1362, VNA1363, VNA1364, VNA1365, VNA1366, VNA1367, VNA1368, VNA1369, VNA1370, VNA1371, VNA1372, VNA1373, VNA1374, VNA1375, VNA1376, VNA1377, VNA1378, VNA1379, VNA1380, VNA1381, VNA1382, VNA1383, VNA1384, VNA1385, VNA1386, VNA1387, VNA1388, VNA1389, VNA1390, VNA1391, VNA1392, VNA1393, VNA1394, VNA1395, VNA1396, VNA1397, VNA1398, VNA1399, VNA1400, VNA1401, VNA1402, VNA1403, VNA1404, VNA1405, VNA1406, VNA1407, VNA1408, VNA1409, VNA1410, VNA1411, VNA1412, VNA1413, VNA1414, VNA1415, VNA1416, VNA1417, VNA1418, VNA1419, VNA1420, VNA1421, VNA1422, VNA1423, VNA1424, VNA1425, VNA1426, VNA1427, VNA1428, VNA1429, VNA1430, VNA1431, VNA1432, VNA1433, VNA1434, VNA1435, VNA1436, VNA1437, VNA1438, VNA1439, VNA1440, VNA1441, VNA1442, VNA1443, VNA1444, VNA1445, VNA1446, VNA1447, VNA1448, VNA1449, VNA1450, VNA1451, VNA1452, VNA1453, VNA1454, VNA1455, VNA1456, VNA1457, VNA1458, VNA1459, VNA1460, VNA1461, VNA1462, VNA1463, VNA1464, VNA1465, VNA1466, VNA1467, VNA1468, VNA1469, VNA1470, VNA1471, VNA1472, VNA1473, VNA1474, VNA1475, VNA1476, VNA1477, VNA1478, VNA1479, VNA1480, VNA1481, VNA1482, VNA1483, VNA1484, VNA1485, VNA1486, VNA1487, VNA1488, VNA1489, VNA1490, VNA1491, VNA1492, VNA1493, VNA1494, VNA1495, VNA1496, VNA1497, VNA1498, VNA1499, VNA1500, VNA1501, VNA1502, VNA1503, VNA1504, VNA1505, VNA1506, VNA1507, VNA1508, VNA1509, VNA1510, VNA1511, VNA1512, VNA1513, VNA1514, VNA1515, VNA1516, VNA1517, VNA1518, VNA1519, VNA1520, VNA1521, VNA1522, VNA1523, VNA1524, VNA1525, VNA1526, VNA1527, VNA1528, VNA1529, VNA1530, VNA1531, VNA1532, VNA1533, VNA1534, VNA1535, VNA1536, VNA1537, VNA1538, VNA1539, VNA1540, VNA1541, VNA1542, VNA1543, VNA1544, VNA1545, VNA1546, VNA1547, VNA1548, VNA1549, VNA1550, VNA1551, VNA1552, VNA1553, VNA1554, VNA1555, VNA1556, VNA1557, VNA1558, VNA1559, VNA1560, VNA1561, VNA1562, VNA1563, VNA1564, VNA1565, VNA1566, VNA1567, VNA1568, VNA1569, VNA1570, VNA1571, VNA1572, VNA1573, VNA1574, VNA1575, VNA1576, VNA1577, VNA1578, VNA1579, VNA1580, VNA1581, VNA1582, VNA1583, VNA1584, VNA1585, VNA1586, VNA1587, VNA1588, VNA1589, VNA1590, VNA1591, VNA1592, VNA1593, VNA1594, VNA1595, VNA1596, VNA1597, VNA1598, VNA1599, VNA1600, VNA1601, VNA1602, VNA1603, VNA1604, VNA1605, VNA1606, VNA1607, VNA1608, VNA1609, VNA1610, VNA1611, VNA1612, VNA1613, VNA1614, VNA1615, VNA1616, VNA1617, VNA1618, VNA1619, VNA1620, VNA1621, VNA1622, VNA1623, VNA1624, VNA1625, VNA1626, VNA1627, VNA1628, VNA1629, VNA1630, VNA1631, VNA1632, VNA1633, VNA1634, VNA1635, VNA1636, VNA1637, VNA1638, VNA1639, VNA1640, VNA1641, VNA1642, VNA1643, VNA1644, VNA1645, VNA1646

Table with columns: Station Name, Time, Res, Code, Station Name, A, AZ, Phase ID, Time, Res. Includes stations like LZH Lanzhou, NWAO Narrogin, GTA Gaotai, WRAB Tennant Creek, ASAR Alice Springs, etc.

TAP 01 23:56:12.8, 23.97N; 122.53E, h29km, 1km, ML3.0
JMA 01 23:56:12.3-0.4, 24.07N; 122.46E, h28km, M2.4, Taiwan region

Table with columns: Station Name, Time, Res, Code, Station Name, A, AZ, Phase ID, Time, Res. Includes stations like IRIF Iriomote-Funau, HATJ Hateruma jima, JKRS Kuro-shima, etc.

Code Station Name A AZ Phase ID Time Res
PAJU Pajala 0.61 217 I S Pg 01 13 50.6 +0.5
ADH Vila Nova 0.69 325 I S Pg 01 14 45.0 -1.9

Table with columns: Station Name, Time, Res, Code, Station Name, A, AZ, Phase ID, Time, Res. Includes stations like NIKU ARCESS Array S, ARAO ARCESS Array S, etc.

CSEM 02 00:14:33.1±0.1, 38.19N; 26.65W, ML2.7, Error ellipse:
s-maj=24.3km s-min=1.4km az=35.0, After PDA
PDA 02 00:14:33.1±0.3, 38.19N; 26.65W, MD2.8, ML2.7, Error ellipse:
s-maj=5.0km s-min=0.9km az=43.0

SVSA 02 00:14:33.1±0.3, 38.19N; 26.65W, MD2.8, ML2.7, Error ellipse:
s-maj=5.0km s-min=0.9km az=43.0, Azores Islands

Table with columns: Station Name, Time, Res, Code, Station Name, A, AZ, Phase ID, Time, Res. Includes stations like PFAV Pico das Favas, PSCM Serra do Cume, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PSAN, PSET, PSET, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PBA, VIS, VIS, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like AAK, ULHL, ULHL, etc.

IDC 02 00:34:32.9,3.4, 8.19N,38.11W,mb3.9/6,mb1 4.1/6, mb1mx3.7/22,mbmp3.9/6,MS3.4/4,Ms1 3.4/4, ms1mx3.0/25, Error ellipse: s-maj=104.8km s-min=24.0km az=97.0

BUI 02 01:26:19.0, 0.13S:97.94E, h39km, mb4.9, mb4.7, Ms4.6, Ms2.4, IDC 02 01:26:20.1, 0.1, 0.47N-97.94E, mb4.1/10, mb1 4.2/10, mb1mx4.0/17, mbmp4.1/10, MS3.3/1, Ms1 3.3/1, ms1mx2.9/20, Error ellipse: s-maj=57.2km s-min=16.8km az=51.0

NEIC 02 01:47:58.0, 38.00S:176.54E, h144km, MG3.9(WEL), After WEL WEL 02 01:47:58.1, 0.3, 38.04S:176.55E, h146km, 2km, ML3.8/13, 9C, Error ellipse: s-maj=2.0km s-min=2.0km az=90.0, North Island

NEIC 02 00:34:33.3, 8.2N, 0.1, 1.383W, 0.4, h10km, n16, 0.054/13, mb3.8, MS3.4/4, Central Mid-Atlantic Ridge

NEIC 02 01:26:24.2, 0.5, 0.44N-97.98E, h30km, mb4.5/7, Error ellipse: s-maj=15.1km s-min=7.8km az=52.0

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BDFB, SAML, SAML, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like KULM, JIRN, JIRN, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

CSEM 02 01:00:27.9, 0.3, 38.67N-27.92W, h3km, ML2.7, Error ellipse: s-maj=17.5km s-min=5.1km az=171.0, After PDA PDA 02 01:00:27.9, 1.0, 38.67N-27.92W, h3km, 4km, MD3.0, ML2.7, Error ellipse: s-maj=2.2km s-min=2.0km az=177.0

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like KULM, JIRN, JIRN, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

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

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like KULM, JIRN, JIRN, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

IDC 02 01:01:46.3, 12.0, 10.79N-91.02E, mb3.6/3, mb1 3.8/3,

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like KULM, JIRN, JIRN, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like KULM, JIRN, JIRN, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like KULM, JIRN, JIRN, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like KULM, JIRN, JIRN, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like KULM, JIRN, JIRN, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like KULM, JIRN, JIRN, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like KULM, JIRN, JIRN, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like KULM, JIRN, JIRN, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like KULM, JIRN, JIRN, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like KULM, JIRN, JIRN, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like KULM, JIRN, JIRN, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like KULM, JIRN, JIRN, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like KULM, JIRN, JIRN, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like KULM, JIRN, JIRN, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like KULM, JIRN, JIRN, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like KULM, JIRN, JIRN, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like KULM, JIRN, JIRN, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like KULM, JIRN, JIRN, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like KULM, JIRN, JIRN, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like KULM, JIRN, JIRN, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like KULM, JIRN, JIRN, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like KULM, JIRN, JIRN, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

Code Station Name Az Az2 Phase ID Time Res ISC. Includes stations like MARZ, LIRZ, LIRZ, etc.

IDC 02:02:07:54.3.0.0, 43.98S; 169.88E, h31km, mb4.4/4, mb1 4.5/5, mb1mx4.2/10, mbtmp4.5/5, ML3.8/1, MS3.8/11, Ms1.3.8/11, ms1mx3.6/21, Error ellipse: s-maj=56.5km, s-min=19.0km az=0.0

ISC 02:02:07:50.2.0.4, 44.39S; 0.03; 169.89E; 0.4, h23km, 4km, n77, 0.196/60, mb4.6/6, MS3.8/12, 6C-7D, South Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like LBZ, WKZ, FOF, ODZ, etc.

az=59.0 NEIC 02:02:09:40.3.0.6, 1.24N-97.33E, h30km, mb4.2/8, Error ellipse: s-maj=17.6km s-min=7.8km az=56.0

ISC 02:02:09:41.2.5.0, 1.3N, 0.2.97 AE, 0.2, h53km, 4km, n16, 0.053/16, mb4.1/14, MS3.6/2, Northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like KULM, KMI, JRN, etc.

JMA 02:02:19:38.9.0.3, 24.50N; 122.17E, h53km, M3.5 TAP 02:02:19:39.6, 24.15N; 122.21E, h14km, 1km, ML3.7

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

MOS 02:02:21:13.1.1.2, 15.58N; 120.84E, h186km, mb4.2/8, Error ellipse: s-maj=32.6km s-min=10.7km az=114.2

MAN 02:02:21:14.0, 15.77N; 120.64E, h207km, mb4.5, ML3.4, MS3.3

BUI 02:02:21:16.9, 15.68N; 121.12E, h228km, mb4.9, mb4.7 IDC 02:02:21:18.7, 6.4, 15.51N; 120.70E, h221km, 64km, mb3.7/13, mb1 3.9/13, mb1mx3.7/19, mbtmp4.3/13, Error ellipse: s-maj=51.4km s-min=10.4km az=67.0

NEIC 02:02:21:18.9, 2.7, 15.59N; 120.87E, h227km, 27km, mb4.2/11, Error ellipse: s-maj=15.6km s-min=6.0km az=62.0

ISC 02:02:21:15.4.0.2, 15.71N; 0.03; 120.77E; 0.05, h199km, 2km, n66, 0.196/76, mb4.0/27, 4C, Luzon

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

AAK Ala-Archa 47.71 314 eP P 02 29 33.6 -0.3 KURK Kurchatov 48.73 325 eP P 02 29 41.0 +0.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like KURK, NVS, STKA, etc.

IDC 02:02:24:24.3.5.0, 0.02S; 97.44E, mb3.7/3, mb1 3.9/3, mb1mx3.5/15, mbtmp3.7/3, Error ellipse: s-maj=249.7km s-min=23.4km az=55.0, Southwest of Sumatra

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

JMA 02:02:46:12.8.0.3, 22.89N; 121.72E, h16km TAP 02:02:46:11.6, 22.85N; 121.61E, h7km, 1km, ML3.4, Taiwan region

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

IDC 02:02:58:28.1.0.6, 1.24N-97.06E, mb4.1/16, mb1 4.2/16, mb1mx4.2/19, mbtmp4.1/16, Error ellipse: s-maj=29.7km s-min=13.7km az=55.0

BUI 02:02:58:31.8, 1.20N; 97.20E, h30km, mb4.8, mb4.8, Ms4.2, Ms4.1

NEIC 02:02:58:32.9.0.4, 1.23N; 97.18E, h30km, mb4.5/6, Error ellipse: s-maj=13.6km s-min=7.6km az=57.0

ISC 02:02:58:32.9.2.1, 1.26N; 0.08; 97.2E; 0.1, h39km, 19km, h28km, 0.0km; p-P, n38, 0.088/39, mb4.3/25, MS4.0/1, Northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like KULM, JIRN, GUN, etc.

WEL 02:02:08:10.4.0.7, 44.31S; 169.88E, h12km, ML4.3/4, Error ellipse: s-maj=5.3km s-min=2.7km az=90.0, South Island

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

IDC 02:02:09:35.9.2.4, 1.31N; 97.35E, mb3.9/6, mb1 4.0/6, mb1mx3.8/16, mbtmp3.9/6, MS3.4/1, Ms1.3.4/1, ms1mx2.5/26, Error ellipse: s-maj=108.8km s-min=19.5km

WEL 02:02:08:10.4.0.7, 44.31S; 169.88E, h12km, ML4.3/4, Error ellipse: s-maj=5.3km s-min=2.7km az=90.0, South Island

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

IDC 02:02:09:35.9.2.4, 1.31N; 97.35E, mb3.9/6, mb1 4.0/6, mb1mx3.8/16, mbtmp3.9/6, MS3.4/1, Ms1.3.4/1, ms1mx2.5/26, Error ellipse: s-maj=108.8km s-min=19.5km



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MAKAR Makanchi Array, STKA Stephens Creek, ZAL Zalesovo, etc.

ICD 02 03:05:28.0,3.8,2.56N-96.05E,mb3.8/5,mb1 4.0/5, mb1mx3.7/18,mb1mp3.8/5, Error ellipse: s-maj=155.4km

NEIC 02 03:05:39.5,1.1,1.44N-97.19E,h30km,mb3.8/1, Error ellipse: s-maj=26.2km s-min=14.8km az=68.0

ISC 02 03:05:31.8-1.3,2.7N-0.1,96.4E-0.2,h30km,n7,0,0975/7, mb3.9/6,Northern Sumatara

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

ICD 02 03:09:35.3-2.8,1.17N-97.16E,mb3.7/6,mb1 3.8/6, mb1mx3.7/18,mb1mp3.7/6, Error ellipse: s-maj=124.2km

NEIC 02 03:09:39.5,1.1,1.44N-97.19E,h30km,mb3.8/1, Error ellipse: s-maj=21.7km s-min=9.6km az=63.0

ISC 02 03:09:37.4-1.0,1.2N-0.1,97.2E-0.2,h30km,n12, 0,073/12,mb3.7/7,Northern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KULM Kulim, MWBA Marble Bar, WRA Warramunga Arr, etc.

ICD 02 03:23:14.2-3.2,0.02S-97.58E,mb3.7/6,mb1 3.8/6, mb1mx3.8/18,mb1mp3.7/6, Error ellipse: s-maj=138.3km s-min=21.3km az=55.0, Southwest of Sumatara

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

MAN 02 03:24:38.0,9.48N-126.00E,h45km,mb4.3,ML3.2,MS2.9, 1D,Mindanao

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BUTP Butuan, BISP Bislig, BUKP Musuan, etc.

CASC 02 03:27:09.8-1.9,12.46N-87.79W,h53km,55km,MD3.6, ML3.8,2C-2D,Near coast of Nicaragua

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CRIN San Cristobal, CNCH Conchagua, LEON Leon, etc.

Table with columns: SCLS, eS, S, Time, Res. Includes stations like IPM Ipo, KULM Kulim, KGM Kluang, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KSM Kuching, BDT Bhumol Dam, PALK Pallekele, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BWNR BWNR, KUMMING, KMI, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like HYB Hyderabad, SHL Shiling, BILASPUR, etc.

Table with columns: FITZ, Time, Res. Includes stations like FITZ Fitzroy Crossi, NDI New Delhi, XAN Xi'an, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like NJ2 Nanjing, NJ2, NJ2, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like NWAO Narrogin (SRO), GTA Gaotai, GTA, etc.

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

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





Plg75°, Azm35°; N-477, Plg8°, Azm155°; P-2.02, Plg13°; Azm247°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 02 03:39:05.0, 2.1, 7.3S, 99.84E, h30km, mb5.2/36, MS4.7/2 Error ellipse: s-maj=7.2km s-min=4.6km az=54.0

ISC 02 03:39:04.0, 2.1, 7.1S, 0.05, 99.88E, 1.0, 0.05, h33km, (h30km, 2.7km; pP: 0.179, 0.099/156, mb5.1/77, MS4.8/16, 15C-12D, Southern Sumatara

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists seismic stations and their characteristics.

Table with columns: MDJ, SS, AMB, LR, etc. Lists seismic events with station codes and magnitudes.

Table with columns: OBN, SYO, AKASA, ISR, VRI, etc. Lists seismic events with station codes and magnitudes.



Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

NEIC 02 04:38:22.3, 16.72N, 100.85W, h16km, MD3.9(MEX), After MEX.

MEX 02 04:38:22.0-0.5, 16.70N, 100.85W, h16km, 12km, MD3.9, 1C, Near coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations CAIG, ACX, ZIIG, etc.

IDC 02 04:46:27.2, 12.64N, 126.53E, mb4, 1/11, mb1 4.2/11, mb1mx4, 1/20, mbmp4, 1/11, Error ellipse: s-maj=53.2km

BUI 02 04:46:28.5, 12.40N, 126.00E, h10km, mb4.5, mb4.1

MOS 02 04:46:28.7, 11.93N, 125.87E, h33km, mb4.7/7, Error ellipse: s-maj=37.8km s-min=13.4km az=127.5

NEIC 02 04:46:28.5, 12.44N, 126.01E, h10km, mb4.6/10, Error ellipse: s-maj=17.8km s-min=9.2km az=61.0

MAN 02 04:46:31.7, 12.47N, 125.68E, h26km, mb4.9, ML3.9, MS3.9

ISC 02 04:46:32.7, 11.0, 124.1N, 125.73E, 0.07, h44km, 8km, n54, e1508/60, mb4.4/24, 3C, Samar

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations BESP, CNP, PVCP, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations POLP, BUKP, PAGZ, etc.

GUC 02 04:49:13.9, 1.0, 25.48S, 69.22W, h111km, 21km, ML4.0, 2C-3D, Northern Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations CPNI, ANCH, ANCH, etc.

MDD 02 04:54:19.7, 2.2, 36.26N, 11.99W, h88km, 91km, mb3.1/10, Error ellipse: s-maj=23.8km s-min=16.6km az=86.0

INMG 02 04:54:20.3, 0.9, 36.27N, 12.04W, h31km, ML2.2, Error ellipse: s-maj=8.1km s-min=4.8km az=90.0

NEIC 02 04:54:20.9, 36.29N, 11.62W, MG3.7(MDD), After MDD.

CSEM 02 04:54:21.0, 0.9, 36.31N, 11.72W, h10km, ML3.28, Error ellipse: s-maj=15.9km s-min=9.9km az=46.0

ISC 02 04:54:21.0, 1.3, 36.72N, 10.06E, 11.69W, 0.08, h10km, n43, e1327/77, Azores-Cape St. Vincent Ridge

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations PTEO, PLOU, PLOU, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations PTOM, EMIN, EMIN, etc.

NEIC 02 04:58:11.3, 38.69S, 176.15E, h101km, MG3.8(WEL), After WEL.

WEL 02 04:58:11.7, 0.2, 38.71S, 176.17E, h98km, 2km, ML3.6/5, 2C-2D, Error ellipse: s-maj=1.1km s-min=1.0km az=90.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations BKZ, BKZ, MGZ, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like D'Urville Isla, Paruru Farm, Makara Radio, etc.

MOS 02 05:03:17.4±1.1, 50.66N:157.75E, h60km, mb4.3/1, Error ellipse: s-maj=65.5km s-min=19.4km az=74.0

KRSC 02 05:03:15.9±1.2, 50.49N:157.50E, h32km, mb4.3, Kuril Islands

Main table for Kuril Islands section with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Severo-Kuril's, Pauzhetka, Alaid, etc.

IDC 02 05:15:23.5±1.8, 0.85N-97.21E, mb4.3/9, mb1 4.4/9, mb1mx4.1/17, mbtmp4.3/9, MS3.7/2, Ms1 3.8/2, ms1mx3.1/30, Error ellipse: s-maj=93.1km s-min=16.6km az=50.0

NEIC 02 05:15:28.0±1.7, 0.86N-97.30E, h30km, mb4.6/1, Error ellipse: s-maj=20.7km s-min=10.2km az=60.0

ISC 02 05:15:26.2±0.9, 0.9N-0.1, 97.3E±0.2, h30km, n14, 0559/12, mb4.2/10, MS4.1/1, Northern Sumatara

Table for Northern Sumatara section with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes KULM, CMAR, WRA, etc.

IDC 02 05:18:57.4±2.3, 0.52S-96.58E, mb3.9/7, mb1 4.1/7, mb1mx3.8/17, mbtmp3.9/7, Error ellipse: s-maj=104.8km s-min=20.8km az=54.0

NEIC 02 05:19:03.3±0.8, 0.24S-96.99E, h30km, mb4.6/1, Error ellipse: s-maj=22.0km s-min=13.1km az=63.0

ISC 02 05:18:01.4±1.1, 0.2S-0.1, 97.0E±0.2, h30km, n10, 0565/9, mb4.0/3, Southwest of Sumatara

Table for Southwest of Sumatara section with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes KULM, ENH, WRA, etc.

MOS 02 05:25:27.6±1.3, 47.60N:154.02E, h82km, mb3.8/1, Error ellipse: s-maj=51.8km s-min=29.5km az=46.1

IDC 02 05:25:33.6±5.8, 47.88N-153.58E, h93km, mb5.1km, mb3.5/4, mb1 3.6/5, mb1mx3.3/22, mbtmp3.9/5, Error ellipse: s-maj=59.9km s-min=28.2km az=84.0

ISC 02 05:25:28.6±1.6, 47.91N, 153.7E±0.2, h63km, mb1.4km, n9, 0519/11, mb3.8/4, Kuril Islands

Table for Kuril Islands section with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes Severo-Kuril's, SKR, SKR, etc.

IDC 02 05:43:13.3±2.6, 1.16N-97.26E, mb4.2/6, mb1 4.3/6, mb1mx3.9/18, mbtmp4.2/6, Error ellipse: s-maj=112.7km s-min=19.3km az=58.0

BUI 02 05:43:15.9±1.1, 1.10N-97.30E, h30km, mb5.2, mb4.7, Ms4.1, Ms23.9

NEIC 02 05:43:18.0±0.6, 1.14N-97.26E, h30km, mb4.5/7, Error ellipse: s-maj=16.2km s-min=7.1km az=57.0

ISC 02 05:43:16.0±0.8, 1.11N-97.27E±0.1, h30km, n19, 0573/20, mb4.4/14, MS3.9/1, Northern Sumatara

Main table for Northern Sumatara section with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes KULM, KMI, KMI, etc.

IDC 02 05:45:11.5±1.2, 49.29S-126.77E, mb4.1/4, mb1 4.3/4, mb1mx4.4/10, mbtmp4.2/4, MS3.4/5, Ms1 3.4/5, ms1mx3.1/24, 1D, Error ellipse: s-maj=74.5km s-min=21.2km az=102.0, Western Indian-Antarctic Ridge

Table for Western Indian-Antarctic Ridge section with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes NWAOW, STKA, STKA, etc.

DJA 02 05:54:30.6±1.3, 10.76Sx115.44E, h105km, mb4.6km, ML4.5/2, 1C-3D, Error ellipse: s-maj=88.4km s-min=21.7km az=0.0, South of Bali

Table for South of Bali section with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes RATI, RATI, KEDI, etc.

IDC 02 05:55:01.3±0.9, 2.17N-96.10E, mb4.4/12, mb1 4.5/12, mb1mx4.4/12, mbtmp4.4/12, MS3.5/1, Ms1 3.5/1, ms1mx3.1/22, Error ellipse: s-maj=51.1km s-min=14.3km az=50.0

BUI 02 05:55:01.1±1.7, 79N:96.13E, h35km, mb4.9, Ms4.6, Ms24.2

MOS 02 05:55:04.1±1.4, 2.16N-96.27E, h33km, mb4.9/19, Error ellipse: s-maj=18.9km s-min=7.8km az=99.9

NEIC 02 05:55:05.4±0.5, 2.20N-96.18E, mb4.8/20, Error ellipse: s-maj=11.6km s-min=6.0km az=216.0

ISC 02 05:55:03.0±0.5, 2.18N-0.47E, 96.20E±0.06, h25km, h25km±1.7km, pp-P, n87, 0516/92, mb4.7/50, MS4.3/9, 3C-4D, Northern Sumatara

Table for Northern Sumatara section with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes KULM, KSM, KSM, etc.

Gumba 27.43 340 eP P 06 00 37.3 -0.3

Guiyang 26.15 22 P P 06 00 44.6 -0.2

comp-Z, 10.0nm, 1.0s, mb4.3

comp-Z, 130nm, 5.8s

comp-Z, 260nm, 14.3s, MS4.1

comp-E, 300nm, 15.0s, MS4.1

comp-Z, 510nm, 14.9s, MS4.2

Jiri 27.09 340 eP P 06 00 46.9 +0.6

Pulchok 27.79 339 eP P 06 00 48.9 +0.9

Pulchoki 27.28 339 eP P 06 00 48.9 +0.9

comp-Z, 16nm, 0.9s, mb4.5

GUN 27.43 340 eP P 06 00 50.2 +0.9

Daman 27.43 338 eP P 06 00 50.1 +0.8

Kakani 27.53 339 eP P 06 00 50.4 +0.4

LSha 27.79 351 eP P 06 00 53.0 +0.4

LSha 27.79 351 eP P 06 00 53.2 +0.6

LSha 27.79 351 eP P 06 00 53.2 +0.6

LSha 27.79 351 eP P 06 00 53.2 +0.6

LSha 27.79 351 eP P 06 00 53.2 +0.6

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LSha 27.79 351 eP P 06 00 53.2 +0.6

LSha 27.79 351 eP P 06 00 53.2 +0.6









Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like Eskdalemuir, Moscow, Minsk, etc.

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like TCF, CHKZ, LPL, etc.

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like MOY, TLY, VAE, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Lanzhou, Trail Mountain, Paradox Valley, etc.

IDC 02 06:47:24.8.1.4, 1.65N-97.67E, mb4.2/10, mb1 4.3/10, mb1mx4.1/19, mbtmp4.2/10, MS3.7/1, Ms1 3.7/1, ms1mx3.0/30, Error ellipse: s-maj=71.2km s-min=16.5km az=52.0

NEIC 02 06:47:29.2.0.5, 1.61N-97.63E, h30km, mb4.4/2, Error ellipse: s-maj=16.3km s-min=7.8km az=55.0

ISC 02 06:47:29.3.0.7, 1.58N-0.97.54E-0.10, h30km, n19, <095/18, mb4.2/12, MS3.7/1, Northern Sumatra

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

MAN 02 06:50:00.9, 7.80N-127.34E, h11km, mb4.2, ML3.1, MS2.8, ID, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Bislig, Mati, Butuan, etc.

BUC 02 06:52:20.6.0.7, 45.59N-26.47E, h146km, 7km, MD3.9/5, Error ellipse: s-maj=6.5km s-min=3.7km az=38.0

CSEM 02 06:52:21.3.0.2, 45.58N-26.48E, h132km, 9km, MD3.9/5, Error ellipse: s-maj=3.0km s-min=2.3km az=26.0

NEIC 02 06:52:21.8, 45.62N-26.53E, h140km, MG3.3(BUC), After BUC

ISC 02 06:52:20.7-1.2, 45.65N-0.04-26.54E-0.06, h143km, 9km, n24, <079/44, 10C-9D, Romania

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Vri Vrincoiaia, Muntele Rosu, etc.

Table with columns: VOIR, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Carcalui, Bucharest, Harsova, etc.

IDC 02 06:55:16.7.1.6, 17.80S-176.93W, mb4.0/5, mb1 4.4/5, mb1mx4.0/13, mbtmp4.0/5, Error ellipse: s-maj=138.8km s-min=22.5km az=152.0, Fiji Islands region

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

IDC 02 06:57:48.8.0.0, 0.99N-97.97E, mb4.0/10, mb1 4.1/10, mb1mx4.0/17, mbtmp4.0/10, MS4.0/2, Ms1 3.9/2, ms1mx2.2/29, Error ellipse: s-maj=55.5km s-min=15.9km az=51.0

BUI 02 06:57:51.5, 0.22N-98.15E, h24km, mb5.2, mb4.7 NEIC 02 06:57:53.2, 0.5, 0.06N-98.01E, h30km, mb4.5/4, Error ellipse: s-maj=14.4km s-min=7.5km az=51.0

ISC 02 06:57:52.0, 0.6, 0.11N-100.09-98.15E-0.1, h33km, n30, <085/28, mb4.2/15, MS3.9/2, Northern Sumatra

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KULM, KKM, JIRN, etc.

IDC 02 06:59:48.3.9.3, 19.57S-174.50W, h63km, 72km, mb3.5/5, mb1 4.0/6, mb1mx3.8/16, mbtmp3.9/6, ML2.2/1, Error ellipse: s-maj=114.3km s-min=19.3km az=148.0, Tonga Islands

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

BUI 02 07:09:18.1, 0.45N-97.37E, h38km, mb4.8, mb4.8, Ms4.5, Ms2.2

IDC 02 07:09:21.9.1.0, 1.01N-96.97E, h21km, 3km, mb4.1/11, mb1 4.2/11, mb1mx4.0/18, mbtmp4.2/11, Error ellipse: s-maj=50.9km s-min=11.7km az=54.0

MOS 02 07:09:22.1.2, 1.08N-97.23E, h33km, mb4.8/13, Error ellipse: s-maj=28.8km s-min=11.0km az=104.8

NEIC 02 07:09:22.6.0.6, 1.04N-97.18E, mb4.7/16, Error ellipse: s-maj=15.9km s-min=7.7km az=52.0

ISC 02 07:09:20.8.0.5, 1.05N-107.07-97.18E-0.07, h22km, h22km, 6km, pp-P, n64, <11/64, mb4.5/39, MS4.0/4, 1C-1D, Northern Sumatra

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IPM, KULM, KGM, etc.

HHC Hu-ho-hao-te 41.71 16 eP P 07 17 11.3 +1.5

HHC Warramunga Arr 41.92 12 P P 07 17 12.2 0.0

HHC Warramunga Arr 41.92 12 P P 07 17 12.2 +0.6

HHC Warramunga Arr 41.92 12 P P 07 17 12.5 +0.2

HHC Warramunga Arr 41.92 12 P P 07 17 12.5 +0.7

HHC Warramunga Arr 41.92 12 P P 07 17 12.5 +0.2

HHC Warramunga Arr 41.92 12 P P 07 17 12.5 +0.2

HHC Warramunga Arr 41.92 12 P P 07 17 12.5 +0.2

HHC Warramunga Arr 41.92 12 P P 07 17 12.5 +0.2

HHC Warramunga Arr 41.92 12 P P 07 17 12.5 +0.2

HHC Warramunga Arr 41.92 12 P P 07 17 12.5 +0.2

HHC Warramunga Arr 41.92 12 P P 07 17 12.5 +0.2

HHC Warramunga Arr 41.92 12 P P 07 17 12.5 +0.2

HHC Warramunga Arr 41.92 12 P P 07 17 12.5 +0.2

HHC Warramunga Arr 41.92 12 P P 07 17 12.5 +0.2

HHC Warramunga Arr 41.92 12 P P 07 17 12.5 +0.2

HHC Warramunga Arr 41.92 12 P P 07 17 12.5 +0.2

HHC Warramunga Arr 41.92 12 P P 07 17 12.5 +0.2

HHC Warramunga Arr 41.92 12 P P 07 17 12.5 +0.2

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KURK Kurchatov, MDJ Mudanjiang, ZAL Zalesovo, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASB Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BSO1 Boso 1, BSO3 Boso 3, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like WMO Wumqi, WMO WMO, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like NGP Nagpur, MKAR Makanchi Array, etc.

0.8nm,0.6s,mb3.9,baz=306,slow=7.1,SNR=12
STKA Stephens Creek 60.97 133 P P 07 46 53.2 +1.7
NVAR Mina Array Bea 125.81 30 PKP 07 55 40.6 +2.7
TXAR Lajitas Array 139.97 23 PKP 07 56 08.2 +3.6

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BSO1 Boso 1, BSO3 Boso 3, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASB Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BSO1 Boso 1, BSO3 Boso 3, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASB Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASB Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASB Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KURK Kurchatov, PKI Pulchoki, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MIRM Miramar, MOM Momotombo, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MIRM Miramar, MOM Momotombo, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MIRM Miramar, MOM Momotombo, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MIRM Miramar, MOM Momotombo, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MIRM Miramar, MOM Momotombo, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MIRM Miramar, MOM Momotombo, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like ASAR, ASPA, FITZ, FITZ, FITZ, etc.

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

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

CSEM 02:08:32.70.1, 44.46N-7.36E, h8km, ML2 6/6, Error ellipse: s-maj=1.5km s-min=0.0km az=67.0 STR 02:08:33.60.2, 44.45N-7.31E, h5km, 1km, ML2 6, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0



GEN 02 08:03:33.3, 44.43N, 7.23E, h14km, ML2.9
LDG 02 08:03:39.0, 1.44, 43N, 7.32E, h2km, Md2.8/1, M12.6/9,
Error ellipse: s-maj=2.3km s-min=1.3km az=79.0

NEIC 02 08:32:21.1, 6.5, 6.37N, 82.73W, h9km, 43km, mb4.4/4,
Error ellipse: s-maj=26.9km s-min=10.9km az=51.0
CASO 02 08:32:23.6, 1.9, 6.68N, 82.34W, h7km, 999km, MD4.3,
mb4.4(NEIC)

NEIC 02 08:37:52.3, 6.3, 33.84N, 142.09E, h27km, 44km, mb4.6/2,
MW4.1(NIED), Error ellipse: s-maj=22.6km s-min=14.2km
az=87.0
ISC 02 08:37:49.2, 0.33, 91N, 0.05, 142.34E, 0.06, h15km, 13km,
n88, e198/45, mb4.0/13, MS3.9/2, Off east coast of
Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations in Africa and the Atlantic region.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations in the Pacific and Indian Ocean regions.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations in the Pacific and Indian Ocean regions.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations in Africa.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations in Northern Sumatra.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations in the Pacific and Indian Ocean regions.

PRE 02 08:10:10.1, 1.4, 27.01S, 26.77E, h2km, ML3.7, South Africa

NIED 02 08:37:00, 33.90N, 142.40E, h8km, Mw4.1. Best double couple: Mo:1.45x10^15 NP1:152, d72, lambda:119. NP2: e:33, delta:34

ISC 02 08:52:27.8, 6.3, 6.12N, 95.73E, mb3.7/3, mb1 3.9/3, mb1mx3.4/17, mbtmp3.5/3, Error ellipse: s-maj=336.5km s-min=26.3km az=57.0, Nicobar Islands region

IDC 02 09:11:45.8,31.0, 0.20S,97.33E,mb4.0/4,mb1 4.1/4,  
mb1mx3.8/17,mbtmp4.0/7, Error ellipse:  
s-maj=619.4km s-min=136.2km az=168.0, Southwest of  
Sumatera

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	ISC
SONM	Songino Array	48.49	8	Op	P	ISC	09 20 30.2	-2.0
MKAR	Makanchi Array	48.62	346	P	P	P	09 20 31.3	-2.0
ZAL	Zalesovo	54.94	351	P	P	P	09 21 18.5	-2.3
BVAR	Borovoye Array	57.61	341	P	P	P	09 21 37.3	-2.6

IDC 02 09:24:09.2,3, 1.76S,99.89E,mb4.0/6,mb1 4.1/6,  
mb1mx3.9/16,mbtmp4.0/6, Error ellipse: s-maj=139.5km  
s-min=18.9km az=52.0

NEIC 02 09:24:12.8,0.8, 2.18S,99.39E,h30km,mb4.2/1, Error  
ellipse: s-maj=31.4km s-min=10.5km az=59.0

ISC 02 09:24:11.4,1.1, 2.1S,0.92E,4.0,2,h33km,n12,  
o#73/10,mb4.0/7,Southern Sumatera

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	ISC
KULM	Kulim	7.45	9	Op	P	ISC	09 26 08.8	+0.3
WRA	Warrungama Arr	38.44	120	P	P	P	09 31 32.0	0.0
WRAB	Tennant Creek	38.45	120	eP	P	P	09 31 27.8	-4.3
WB2	Warrungama Arr	38.45	120	eP	P	P	09 31 32.7	+0.6
ASAR	Alice Springs	39.66	126	eP	P	P	09 31 41.6	-0.5
ASAR	1.0nm,0.9s,mb3.5,baz=303,slow=7.9,SNR=10			PcP	P	P	09 33 51.4	+2.1
MKAR	Makanchi Array	50.98	345	P	P	P	09 33 12.5	+0.4
KURK	Kurchatov	55.59	344	eP	P	P	09 33 45.3	-0.5
ZAL	Zalesovo	57.16	350	P	P	P	09 33 56.3	-1.1
BVAR	Borovoye Array	60.38	340	P	P	P	09 34 17.3	-0.5
FINES	FINES Array B	83.94	332	P	P	P	09 36 40.7	+1.5
TXAR	Lajitas Array	145.13	37	PKP	PKP	PKP	09 43 48.9	+2.6
TXAR	Lajitas Array	145.13	37	PKP	PKP	PKP	09 43 48.9	+2.6

BUI 02 09:28:08.2, 0.37N,97.37E,h30km,mb5.0,mb4.7,Ms4.5,  
Ms4.1

IDC 02 09:28:12.4,1.0, 1.19N,96.96E,mb4.3/13,mb1 4.4/13,  
mb1mx4.2/19,mbtmp4.3/13,MS3,6/2,Ms1 3.6/2,  
ms1mx2.7/22, Error ellipse: s-maj=51.2km s-min=14.6km  
az=51.0

MOS 02 09:28:15.8,1.5, 1.29N,97.18E,h33km,mb4.8/20, Error  
ellipse: s-maj=18.2km s-min=7.8km az=102.6

NEIC 02 09:28:17.6,0.5, 1.28N,97.19E,h30km,mb4.7/16, Error  
ellipse: s-maj=14.3km s-min=7.6km az=53.0

ISC 02 09:28:15.7,0.5, 1.34N,0.07E,97.26E,0.07,h30km,  
(h31km,1.6km;pP),n69,o147/15,mb4.5/51,MS3.9/9,1C,  
Northern Sumatera

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	ISC
KULM	Kulim	5.18	41	eP	P	P	09 29 35.0	+1.7
KMI	Kunming	24.23	12	P	P	P	09 33 33.3	+2.1
KMI				AP	P	P	09 33 39.8	
KMI				XP	P	P	09 33 42.8	
KMI	comp=Z,26nm,1.2s,mb4.5			AMB	P	P		
KMI	comp=Z,47nm,3.1s			AMB	P	P		
KMI	comp=N,485nm,16.5s,MS4.2			LR	P	P		
KMI	comp=E,346nm,13.2s,MS4.2			LR	P	P		
KMI	comp=Z,539nm,16.5s,MS4.1			LR	P	P		
KMI	Kunming	24.23	12	P	P	P	09 33 33.3	+2.1
KMI				*SP	P	P	09 33 42.8	
KMI	comp=Z,26nm,1.2s,mb4.5			MLR	P	P		
KMI	comp=Z,540nm,16.5s,MS4.1			P	P	P	09 33 33.3	+2.1
KMI	Kunming	24.23	12	P	P	P	09 33 33.3	+2.1
KMI	comp=Z,26nm,1.2s,mb4.5			P	P	P	09 33 39.8	
KMI				SP	P	P	09 33 42.8	
KMI				S	P	P	09 33 08.8	+2.0
KMI				sS	P	P	09 38 15.5	
KMI				LR	P	P		
GYA	comp=Z,540nm,16.5s,MS4.1			P	P	P	09 33 53.8	+0.7
GYA	Guiyang	26.56	19	P	P	P		
JIRN	Jiri	28.24	339	eP	P	P	09 34 09.2	+0.8
PKI	comp=Z,36nm,0.9s,mb4.5			eP	P	P	09 34 12.0	+1.7
GUN	Putchoki	28.58	337	eP	P	P	09 34 12.1	+0.7
DMN	Gumba	28.58	337	eP	P	P	09 34 12.1	+0.7
DMN	Daman	28.60	337	eP	P	P	09 34 12.9	+1.3
KKN	Kakan	28.70	337	eP	P	P	09 34 12.8	+0.3
LSA	Lhasa	28.80	349	P	P	P	09 34 15.1	+1.7
LSA				pmx	P	P		
LSA	comp=Z,7.0nm,0.7s,mb4.5			pmx	P	P		
LSA	Lhasa	28.80	349	P	P	P	09 34 15.1	+1.7
GKN	Gorkha	29.14	337	eP	P	P	09 34 16.7	+0.2
KOLN	Koldanda	29.36	335	eP	P	P	09 34 18.9	+0.4
ENH	Enshi	31.03	21	eP	P	P	09 34 32.3	-0.9
FITZ	Fitzroy Crossi	33.96	126	P	P	P	09 34 58.2	-0.7
FITZ	comp=Z,3.7nm,0.8s,mb4.4,baz=338,slow=11,SNR=4.1			LR	P	P	09 48 07.5	
XAN	Xi'an	34.31	17	P	P	P	09 35 01.0	-0.8
NJ2	Nanjing	36.71	32	eP	P	P	09 35 20.5	-1.7
NJ2				AP	P	P	09 35 31.2	+0.1
NJ2				XP	P	P	09 35 35.0	+0.1
NJ2				PP	P	P	09 36 46.3	-1.2
NJ2				S	P	P	09 41 03.0	-0.2
NJ2				XS	P	P	09 41 20.0	
NJ2	comp=Z,10.0nm,0.9s,mb4.7			AMB	P	P		
NJ2	comp=Z,130nm,4.9s			AMB	P	P		
NJ2	comp=N,400nm,16.6s,MS4.4			LR	P	P		
NJ2	comp=E,400nm,21.2s,MS4.4			LR	P	P		
NJ2	comp=Z,300nm,23.8s,MS4.0			LR	P	P		
SSE	Sheshan	37.26	35	eP	P	P	09 35 24.8	-2.0
SSE				AP	P	P	09 35 33.6	-2.2
SSE				XP	P	P	09 35 37.1	-2.4
SSE				S	P	P	09 41 11.1	-0.5
SSE				XS	P	P	09 41 28.5	
SSE	comp=Z,34nm,0.7s,mb5.3			AMB	P	P		
SSE	comp=N,56nm,19.0s,MS3.5			LR	P	P		
SSE	comp=E,49nm,19.0s,MS3.5			LR	P	P		
SSE	comp=Z,81nm,19.1s,MS3.5			LR	P	P		
SSE	Sheshan	37.26	35	eP	P	P	09 35 24.8	-2.0
SSE				pP	P	P	09 35 33.6	-2.2
SSE				pP	P	P	09 35 37.1	-2.4
SSE				S	P	P	09 41 11.1	-0.5
SSE				SS	P	P	09 41 28.5	
SSE	comp=Z,34nm,0.7s,mb5.3			SS	P	P	09 44 09.3	+2.6
SSE	comp=N,56nm,19.0s,MS3.5			LR	P	P		
SSE	comp=E,49nm,19.0s,MS3.5			LR	P	P		
SSE	comp=Z,81nm,19.1s,MS3.5			LR	P	P		
SSE	Sheshan	37.26	35	eP	P	P	09 35 24.8	-2.0
SSE				pP	P	P	09 35 33.6	-2.2
SSE				pP	P	P	09 35 37.1	-2.4
SSE				S	P	P	09 41 11.1	-0.5
SSE				SS	P	P	09 41 28.5	
SSE	comp=Z,34nm,0.7s,mb5.3			SS	P	P	09 44 09.3	+2.6
SSE	comp=N,56nm,19.0s,MS3.5			LR	P	P		
SSE	comp=E,49nm,19.0s,MS3.5			LR	P	P		
SSE	comp=Z,81nm,19.1s,MS3.5			LR	P	P		
SSE	Sheshan	37.26	35	eP	P	P	09 35 24.8	-2.0
SSE				pP	P	P	09 35 33.6	-2.2
SSE				pP	P	P	09 35 37.1	-2.4
SSE				S	P	P	09 41 11.1	-0.5
SSE				SS	P	P	09 41 28.5	
SSE	comp=Z,34nm,0.7s,mb5.3			SS	P	P	09 44 09.3	+2.6
SSE	comp=N,56nm,19.0s,MS3.5			LR	P	P		
SSE	comp=E,49nm,19.0s,MS3.5			LR	P	P		
SSE	comp=Z,81nm,19.1s,MS3.5			LR	P	P		
SSE	Sheshan	37.26	35	eP	P	P	09 35 24.8	-2.0
SSE				pP	P	P	09 35 33.6	-2.2
SSE				pP	P	P	09 35 37.1	-2.4
SSE				S	P	P	09 41 11.1	-0.5
SSE				SS	P	P	09 41 28.5	
SSE	comp=Z,34nm,0.7s,mb5.3			SS	P	P	09 44 09.3	+2.6
SSE	comp=N,56nm,19.0s,MS3.5			LR	P	P		
SSE	comp=E,49nm,19.0s,MS3.5			LR	P	P		
SSE	comp=Z,81nm,19.1s,MS3.5			LR	P	P		
SSE	Sheshan	37.26	35	eP	P	P	09 35 24.8	-2.0
SSE				pP	P	P	09 35 33.6	-2.2
SSE				pP	P	P	09 35 37.1	-2.4
SSE				S	P	P	09 41 11.1	-0.5
SSE				SS	P	P	09 41 28.5	
SSE	comp=Z,34nm,0.7s,mb5.3			SS	P	P	09 44 09.3	+2.6
SSE	comp=N,56nm,19.0s,MS3.5			LR	P	P		
SSE	comp=E,49nm,19.0s,MS3.5			LR	P	P		
SSE	comp=Z,81nm,19.1s,MS3.5			LR	P	P		
SSE	Sheshan	37.26	35	eP	P	P	09 35 24.8	-2.0
SSE				pP	P	P	09 35 33.6	-2.2
SSE				pP	P	P	09 35 37.1	-2.4
SSE				S	P	P	09 41 11.1	-0.5
SSE				SS	P	P	09 41 28.5	
SSE	comp=Z,34nm,0.7s,mb5.3			SS	P	P	09 44 09.3	+2.6
SSE	comp=N,56nm,19.0s,MS3.5			LR	P	P		
SSE	comp=E,49nm,19.0s,MS3.5			LR	P	P		
SSE	comp=Z,81nm,19.1s,MS3.5			LR	P	P		
SSE	Sheshan	37.26	35	eP	P	P	09 35 24.8	-2.0
SSE				pP	P	P	09 35 33.6	-2.2
SSE				pP	P	P	09 35 37.1	-2.4
SSE				S	P	P	09 41 11.1	-0.5
SSE				SS	P	P	09 41 28.5	
SSE	comp=Z,34nm,0.7s,mb5.3			SS	P	P	09 44 09.3	+2.6
SSE	comp=N							







Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BFZ Birch Farm, MRZ Mangatoinaka R, etc.

IDC 02 12:49:02.1-1.3, 52.305-16.08E, mb3.8/3, mb1 4.0/3, mb1mx3.6/15, mb1mp3.8/3, MS3.5/4, Ms1 3.5/4, ms1mx3.3/23, Error ellipse: s-maj=59.3km s-min=33.0km az=74.0, Southwest of Africa

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

IDC 02 12:40:52.1-1.2, 3.67N-127.58E, h176km, mb3.4/6, mb1 3.5/6, mb1mx3.4/18, mbtp3.8/6, Error ellipse: s-maj=65.8km s-min=12.7km az=70.0, Talaud Islands

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

MDD 02 12:49:32.0-0.4, 34.98N-2.85W, h10km, mbLg2.1/21, Error ellipse: s-maj=4.6km s-min=4.0km az=126.0, PFXIMO

CNRM 02 12:49:32.0, 34.85N-2.81W, h5km, MD3.3 CSEM 02 12:49:33.7-0.1, 35.07N-3.14W, h40km, MD3.3, Error ellipse: s-maj=3.2km s-min=2.0km az=120.0

NEIC 02 12:49:33.6, 35.07N-3.10W, h10km, MG3.5(MDD), After MDD. IDC 02 12:49:30.7-0.4, 35.06N-0.02-2.91W, h10km, n64, r1540/121, Strait of Gibraltar

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ZAI Zaio, EMLI Melilla, EMEL Melilla, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EJIF, MIUF Mishifren, MIF, LUQUE, ELUO, etc.

DJA 02 12:50:21.0-1.3, 6.84S-106.87E, h63km, MD4.2/2, ML4.7/2, ID, Error ellipse: s-maj=83.7km s-min=21.5km az=13.0, Jawa

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

BUI 02 12:52:32.8, 78.81N-5.97E, h7km, mb5.7, mb5.2, Ms6.6, Ms2.6

CSEM 02 12:52:34.5-0.1, 78.51N-6.54E, h8km, mb5.5/99, Ms5.7, Mw6.1, Error ellipse: s-maj=2.0km s-min=1.6km az=86.0

MOS 02 12:52:34.2-1.0, 78.61N-6.14E, h10km, mb5.5/110, MS5.4/55, Error ellipse: s-maj=22.6km s-min=2.4km az=92.0

CRAAG 02 12:52:34.5, 78.58N-5.78E, Mb5.5 IDC 02 12:52:35.1-0.4, 78.56N-5.95E, mb4.9/31, mb1 5.0/37, mb1mx5.0/38, mbtp4.9/37, ML4.7/6, MS5.7/34, Ms1 5.7/34, ms1mx5.6/37, Error ellipse: s-maj=13.4km s-min=7.8km az=45.0

BGS 02 12:52:36.4, 78.61N-6.10E, h10km, mb5.1 NEIC 02 12:52:36.6-0.1, 78.61N-6.10E, h10km, mb5.5/202, MS5.8/130, MW6.1, Error ellipse: s-maj=3.2km s-min=1.5km az=65.0, Moment Tensor Solution. s37 Moment tensor: Scale 1018Nm; Mr=0.15; Mw=1.63; Mw=1.48; Mw=0.21; Mw=0.44; Mw=0.00; Best double couple: Mo1.6x1018 NP1: phi=37; delta5; lambda=4; NP2: phi=127; delta5; lambda=175; Principal axes: T1.55, P1g7, Azm262; N1.17, P1g84, Azm160; P-1.71, P1g6; Azm352;

HRVD 02 12:52:36.6-0.1, 78.73N-5.51E, h13km, MW6.2/80, Centroid moment Tensor Solution. LP body waves: s78.c178, Mantle waves: s80.c339; Half duration: 3s0 Moment tensor: Scale 1018Nm; Mr=0.01+0.01; Mw=1.98+0.1; Mw=1.97+0.1; Mw=0.21+0.04; Mw=0.60+0.01; Mw=0.08+0.03; Best double couple: Mo2.077x1018 NP1: phi=127; delta5; lambda=177; NP2: phi=36; delta7; lambda=5; Principal axes: T2.062, P1g1, Azm82; N.033, P1g84, Azm185; P-2.093, P1g6, Azm351; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.

ZUR\_RM 02 12:52:36.78, 61N-6.10E, h12km, Mw6.2/10, Moment Tensor Solution. s10 Moment tensor: Scale 1018Nm; Mr=0.47; Mw=1.51; Mw=1.98; Mw=0.40; Mw=0.80; Best double couple: Mo1.99x1018 NP1: phi=217; delta5; lambda=28; NP2: phi=309; delta2; lambda=175; Principal axes: T2.3, P1g16, Azm266; N-4.77, P1g26; Azm28; P-1.753, P1g23, Azm169;

SVSA 02 12:52:36.3, 78.53N-5.98E, h10km, Mb5.6 BER 02 12:52:37.2, 3.8, 78.60N-7.20E, h10km, MD4.2, ML4.4, ML4.4(NAO)

NAO 02 12:52:38.0-3.0, 78.36N-8.13E, ML4.4 ISC 02 12:52:34.6-0.1, 78.62N-0.01-6.22E-0.08, h10km, (h14km, s1.7km) p-P, n11, s1802, 1228, mb5.3/264, MS5.8/190, 53C-64D, Svalbard region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KBS Kingsbay, KBS, SPA0, SPA0, HSP, HSP, HOPEN, HOPEN, etc.





VRAC		LR	LR	13 10 11.4	
WET	Wetzell	29.70 171	eP	12 58 42.5 +0.2	
WET		eS	P	13 03 39.4 +2.6	
WET	comp=Z,28nm,1.2s,mb4.9	pmx	pmx		
WET	Wetzell	29.70 171	eP	12 58 42.5 +0.2	
WET		eS	P	13 03 39.4 +2.6	
KWP	Kalwaria	29.73 158	eP	12 58 41.9 -0.7	
KWP		eP	P	12 58 43.9 -1.6	
KWP		eS	P	13 03 41.3 +4.1	
KWP		MLR	MLR	13 08 55.4	
KHC	Kasperske Hory	29.73 170	eP	12 58 42.4 -0.2	
KHC		eP	P	12 58 51.0	
KHC		eS	P	13 03 31.4 -5.9	
KHC		MLR	MLR		
KHC	comp=Z,10um,18.7s,MS5.5				
KHC	Kasperske Hory	29.73 170	eP	12 58 42.4 -0.2	
KHC		eP	P	12 58 51.0	
KHC		eS	P	13 03 31.4 -5.9	
KHC		MLR	MLR		
KHC	comp=Z,10um,18.7s,MS5.5				
KHC	Kasperske Hory	29.73 170	eP	12 58 42.4 -0.2	
KHC		x	x	12 59 11.0	
KHC		x	x	12 59 14.0	
KHC		x	x	13 03 31.4 -5.9	
KHC		AMS	AMS	13 10 00.0	
LNF	Langersberg	29.76 178	eP	12 58 42.6 -0.3	
NIU	Niedzica	29.77 161	eP	12 58 41.1 -1.9	
STU	Stuttgart	29.99 176	eP	12 58 44.7 -0.2	
STU		pmx	pmx		
STU	Stuttgart	29.99 176	eP	12 58 44.7 -0.2	
STU		pmx	pmx		
STU	comp=Z,116nm,1.0s,mb5.6				
STU	Stuttgart	29.99 176	eP	12 58 44.7 -0.2	
STU		pmx	pmx		
STU	comp=Z,116nm,1.0s,mb5.6				
GE2	GERESS Array S	30.02 170	eP	12 58 45.5 +0.3	
GE2		eS	P	13 03 47.2 +5.3	
GE2		pmx	pmx		
GE2	comp=Z,35nm,1.1s,mb5.0				
GE2	GERESS Array S	30.02 170	eP	12 58 45.5 +0.3	
GE2		eS	P	13 03 47.2 +5.3	
GE2		pmx	pmx		
GE2	comp=Z,35nm,1.1s,mb5.0				
GERES	GERESS Array B	30.02 170	eP	12 58 44.4 -0.8	
GERES		LR	LR	13 10 42.8	
GERES	comp=Z,15nm,0.9s,mb4.7,baz=9.5,slow=8.1,SNR=68				
GERES	GERESS Array B	30.02 170	eP	12 58 44.4 -0.8	
GERES		LR	LR	13 10 42.8	
GERES	comp=Z,15nm,0.9s,mb4.7,baz=9.5,slow=8.1,SNR=68				
LIKS	Likavka	30.07 163	eP	12 58 46.1 +0.5	
FLN	La Foliniere	30.08 189	eP	12 58 44.9 -0.8	
FLN		eR			
FLN	La Foliniere	30.08 189	eP	12 58 44.9 -0.8	
FLN		pmx	pmx		
FLN	comp=Z,16nm,1.0s,mb4.7				
FLN	La Foliniere	30.08 189	eP	12 58 44.9 -0.8	
FLN		MLR	MLR		
FLN	comp=Z,16nm,1.0s,mb4.7				
LBG	Lerchenberg	30.09 177	eP	12 58 45.9 +0.1	
LBG		P	P	12 58 46.4 +0.6	
LBG	Lerchenberg	30.09 177	eP	12 58 46.4 +0.6	
JAVC	Velka Javorina	30.18 165	P	12 58 47.4 +0.8	
HDH	Heidenheim	30.19 175	eP	12 58 46.6 -0.1	
HDH		P	P	12 58 47.0 +0.3	
LDF	La Druitiere	30.24 188	eP	12 58 45.0 -2.1	
LDF		eP	pmx	12 58 45.0 -2.1	
LDF	comp=Z,91nm,1.3s,mb5.0				
LDF	La Druitiere	30.24 188	eP	12 58 45.0 -2.1	
LDF		pmx	pmx		
LDF	comp=Z,91nm,1.3s,mb5.0				
MEZF	Maizieres J'vi	30.24 182	eP	12 58 46.6 -0.5	
MEZF		pmx	pmx		
MEZF	comp=Z,134nm,1.2s,mb5.2				
MEZF	Maizieres J'vi	30.24 182	eP	12 58 46.6 -0.5	
MEZF		pmx	pmx		
MEZF	comp=Z,134nm,1.2s,mb5.2				
BUCH	Bad Urach	30.31 176	eP	12 58 48.0 +0.2	
BUCH		P	P	12 58 48.4 +0.7	
BUCH	Bad Urach	30.31 176	eP	12 58 48.4 +0.7	
BUCH		P	P	12 58 47.2 -0.7	
BUCH	Champ du Feu	30.33 179	eP	12 58 47.2 -0.7	
BUCH		pmx	pmx		
BUCH	comp=Z,73nm,1.2s,mb5.0				
BUCH	Champ du Feu	30.33 179	eP	12 58 47.2 -0.7	
BUCH		pmx	pmx		
BUCH	comp=Z,73nm,1.2s,mb5.0				
WLS	Welschberg	30.33 178	eP	12 58 47.4 -0.5	
CRVS	Cervenica-Dubn	30.36 160	eP	12 58 51.4 +0.3	
KOLS	Kolonice sedl	30.39 159	iP	12 58 48.6 +0.2	
BFO	Black Forest	30.42 177	eP	12 58 48.3 -0.4	
BFO		eS	P	13 03 50.4 +2.2	
BFO		pmx	pmx		
BFO	comp=Z,31nm,1.1s,mb5.0				
BFO	Black Forest	30.42 177	eP	12 58 48.3 -0.4	
BFO		pmx	pmx		
BFO	comp=Z,31nm,1.1s,mb5.0				
GRR	Gorron	30.46 189	eP	13 03 50.4 +2.2	
GRR		eS	P	13 03 50.4 +2.2	
GRR	Gorron	30.46 189	eP	12 58 47.0 -2.1	
GRR		pmx	pmx		
GRR	comp=Z,139nm,1.4s,mb5.2				
GRR	Gorron	30.46 189	eP	12 58 47.0 -2.1	
GRR		pmx	pmx		
GRR	comp=Z,139nm,1.4s,mb5.2				
SMOI	Smolice	30.51 165	eP	12 58 50.2 +0.7	
THEF	They Montfort	30.51 180	eP	12 58 49.5 0.0	
ECH	Echery	30.52 179	eP	12 58 49.5 -0.1	
LIBD	Limbürg	30.58 178	eP	12 58 50.3 +0.1	
LIBD		P	P	12 58 50.2 +0.0	
NYHS	Nyhn	30.60 163	iP	12 58 48.5 -1.9	
ROSF	Rostreren	30.61 192	eP	12 58 48.5 -1.9	
ROSF		pmx	pmx		
ROSF	comp=Z,86nm,1.5s,mb5.1				
ROSF	Rostreren	30.61 192	eP	12 58 48.5 -1.9	
ROSF		pmx	pmx		
ROSF	comp=Z,86nm,1.5s,mb5.1				
FUR	Furstenfeldbru	30.63 173	eP	12 58 50.0 0.0	
FUR		eS	P	13 03 56.3 +4.7	
FUR		pmx	pmx		
FUR	comp=Z,56nm,0.9s,mb5.4				
FUR	Furstenfeldbru	30.63 173	eP	12 58 50.0 0.0	
FUR		pmx	pmx		
FUR	comp=Z,56nm,0.9s,mb5.4				
FUR	Spaichingen	30.65 177	eP	13 03 56.3 +4.7	
SPAK	Spaichingen	30.65 177	eP	12 58 51.2 +0.4	
SPAK		P	P	12 58 51.6 +0.8	
SPAK	Saint Gilles	30.66 192	eP	12 58 49.2 -1.6	
SPAK		pmx	pmx		
SPAK	comp=Z,82nm,1.3s,mb5.1				
SPAK	Saint Gilles	30.66 192	eP	12 58 49.2 -1.6	
SPAK		pmx	pmx		
SPAK	comp=Z,82nm,1.3s,mb5.1				
GUT	Gutenstein	30.69 176	iP	12 58 51.2 +0.1	
GUT		P	P	12 58 51.7 +0.6	
GUT	Gutenstein	30.69 176	iP	12 58 51.7 +0.6	
UZH	Uzhgorod	30.69 159	eP	12 58 49.0 -2.1	
KECS	Kecovo	30.71 161	eP	12 58 51.4 +0.1	
HAU	Haudompne	30.73 180	eP	12 58 50.8 -0.7	
HAU		pmx	pmx		
HAU	comp=Z,21nm,1.2s,mb4.9				
HAU	Haudompne	30.73 180	eP	12 58 50.8 -0.7	
HAU		pmx	pmx		
HAU	comp=Z,21nm,1.2s,mb4.9				
HAU	Haudompne	30.73 180	eP	12 58 50.8 -0.7	
HAU		MLR	MLR		
HAU	comp=Z,46nm,1.0s,mb5.3				
HAU	Haudompne	30.73 180	eP	12 58 50.8 -0.7	
HAU		MLR	MLR		
HAU	comp=Z,46nm,1.0s,mb5.3				
KIZ	Kirchzarten	30.79 178	eP	12 58 51.8 -0.2	
KIZ		P	P	12 58 52.2 +0.2	
ZST	Zratslava	30.81 166	eP	12 58 52.6 0.0	
FELD	Feldberg	30.87 178	eP	12 58 52.6 -0.1	
FELD		P	P	12 58 52.7 0.0	
FELD	Feldberg	30.87 178	eP	12 58 52.7 -0.1	
MOF	Molkenrain	30.89 179	eP	12 58 52.7 -0.1	
HINF	Hinterathfeld	30.92 179	eP	12 58 53.3 -0.8	
HINF		pmx	pmx		
HINF	comp=Z,76nm,1.4s,mb5.0				
HINF	Hinterathfeld	30.92 179	eP	12 58 53.3 -0.8	
HINF		pmx	pmx		
HINF	comp=Z,76nm,1.4s,mb5.0				
SLE	Schleitheim	30.98 177	iP	12 58 53.5 -0.2	
MOA	Molln	31.04 169	iP	12 58 54.1 0.0	
SISB	Singen-Sch Ber	31.07 176	P	12 58 55.0 +0.6	
KMPD	K-Podolsky	31.09 154	P	12 58 53.0 -1.6	
UBRH	Uberherr	31.09 175	eP	12 58 55.0 +0.4	
SULZ	Sulz-Chaiseca	31.22 178	iP	12 58 55.4 -0.4	
WEIN	Weingarten	31.23 176	iP	12 58 55.4 0.0	
PSZ	Piszkesteto	31.24 162	iP	12 58 56.0 0.0	
PSZ		pmx	pmx		
PSZ	comp=Z,85nm,1.3s,mb5.4				
PSZ	Piszkesteto	31.24 162	iP	12 58 56.0 0.0	
PSZ		pmx	pmx		
PSZ	comp=Z,85nm,1.3s,mb5.4				
PSZ	Piszkesteto	31.24 162	iP	12 58 56.0 0.0	
PSZ		pmx	pmx		
PSZ	comp=Z,85nm,1.3s,mb5.4				
BBS	Basel-Blauen	31.28 178	eP	12 58 56.3 0.0	
BBS		P	P	12 58 56.0 -0.3	
BBS	Basel-Blauen	31.28 178	eP	12 58 56.3 0.0	
LOMF	Lomont	31.39 179	eP	12 58 57.3 0.0	
INUVIK	Inuvik	31.41 333	P	12 58 57.0 -0.2	
INUVIK		LR	LR	13 14 06.0	
INUVIK	comp=Z,13nm,0.9s,mb4.8,baz=17,slow=12,SNR=66				
INUVIK	Inuvik	31.41 333	P	12 58 56.7 -0.5	
INUVIK		LR	LR	13 14 06.0	
INUVIK	comp=Z,13nm,0.9s,mb4.8,baz=17,slow=12,SNR=66				

INUVIK	comp=Z,0.2nm,0.5s				
INUVIK	Inuvik	31.41 333	eP	12 58 56.7 -0.5	
BALST	Balsthal	31.41 178	iP	12 58 56.9 -0.5	
MOTA	Moosalm	31.45 174	iP	12 58 58.1 +0.3	
LIENZ	Alp Oberammer	31.47 176	iP	12 58 57.8 -0.1	
WATA	Walderalm	31.47 173	iP	12 58 58.3 +0.3	
WATA		pmx	pmx		
WATA	comp=Z,37nm,1.1s,mb5.1				
WATA	Walderalm	31.47 173	iP	12 58 58.3 +0.3	
WATA		pmx	pmx		
WATA	comp=Z,37nm,1.1s,mb5.1				
DVA	Damuels	31.48 175	iP	12 58 58.9 +0.8	
DVA		pmx	pmx		
DVA	comp=Z,45nm,1.0s,mb5.2				
WTTA	Wattenberg	31.54 173	iP	12 58 59.3 +0.7	
WTTA		pmx	pmx		
WTTA	comp=Z,40nm,1.2s,mb5.1				
WTTA	Wattenberg	31.54 173	iP	12 58 59.3 +0.7	
WTTA		pmx	pmx		
WTTA	comp=Z,40nm,1.2s,mb5.1				
SQTA	Sankt Quirin	31.57 173	iP	12 58 59.2 +0.3	
SQTA		pmx	pmx		
SQTA	comp=Z,31nm,1.1s,mb5.0				
SQTA	Sankt Quirin	31.57 173	iP	12 58 59.2 +0.3	
SQTA		pmx	pmx		
SQTA	comp=Z,31nm,1.1s,mb5.0				
ARSA	Arzberg	31.68 168	iP	12 59 00.6 +0.8	
ARSA		pmx	pmx		
ARSA	comp=Z,44nm,1.1s,mb4.7				
ARSA	Arzberg	31.68 168	iP	12 59 00.6 +0.8	
ARSA		pmx	pmx		
ARSA	comp=Z,44nm,1.1s,mb4.7				
SSF	Saint Saulte	31.69 184	eP	12 58 58.6 -1.3	
SSF		pmx	pmx		
SSF	comp=Z,21nm,0.9s,mb5.0				
SSF	Saint Saulte	31.69 184	eP	12 58 58.6 -1.3	
SSF		pmx	pmx		
SSF	comp=Z,21nm,0.9s,mb5.0				
KBA	Koelnbreinsper	31.77 171	iP	12 59 01.6 +0.9	
KBA		pmx	pmx		
KBA	comp=Z,20nm,1.0s,mb4.9				
KBA	Koelnbreinsper	31.77 171	iP	12 59 01.6	







Table of astronomical observations for 2005 APR, columns include station, name, RA, Dec, Az, El, and other parameters.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Copiapo, Limon Verde, Vallenar, etc.

CSEM 02 13:04:30.3, 78.91N-5.99E, h15km, ML3.2, After BER

NAO 02 13:04:32.3, 78.54N-7.40E, ML3.2, Svalbard region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Kingsbay, Spitsbergen Ar, etc.

IDC 02 13:16:51.2, 77.2275S-175.82W, h336km, 36km, mb3.6/4, mb1 3.7/5, mb1mx3.4/1.6, mbtmt4.4/5.0, Error ellipse: s-maj=123.9km s-min=76.8km az=20.0, Tonga Islands region

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

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

BER 02 13:17:57.5, 3.4, 78.69N-6.68E, h10km, 33km, MD2.9, ML2.1(NAO)

NAO 02 13:17:58.2, 5.0, 78.43N-7.56E, ML2.1, Svalbard region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Kingsbay, Spitsbergen Ar, etc.

IDC 02 13:21:14.3, 0.6, 19.25S-173.73W, mb4.3/16, mb1 4.5/17, mb1mx4.5/22, mbtmt4.4/17, ML2.6/1, MS3.6/1, MS1 3.6/1, ms1mx3.1/32, Error ellipse: s-maj=26.7km s-min=13.7km az=137.0

BUI 02 13:21:14.2, 18.72S-173.50W, h5km, mb4.6, mb4.9, Ms4.9, Ms2.6

NEIC 02 13:21:15.6, 0.3, 19.22S-173.76W, h10km, mb4.7/6, Error ellipse: s-maj=15.0km s-min=7.3km az=136.0

ISC 02 13:21:17.5, 0.4, 19.37S-173.01W, h33km, n66, 0.68E/37, mb4.4/21, MS5.0/1, 3C, Tonga Islands

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

IDC 02 13:36:15.6, 3.2, 6.56S-154.90E, h68km, 26km, mb4.0/9, mb1 4.2/11, mb1mx4.0/18, mbtmt4.4/11, Error ellipse: s-maj=25.1km s-min=18.9km az=7.0

NEIC 02 13:36:18.7, 1.8, 6.62S-154.84E, h98km, 15km, mb4.4/4, Error ellipse: s-maj=13.8km s-min=10.3km az=196.0

ISC 02 13:36:16.7, 3.3, 6.75S-10.1, 154.89E, h33km, 26km, n18, 0.671/19, mb4.1/12, Bougainville - Solomon Islands region

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

CSEM 02 13:39:41.4, 0.3, 3.9, 15N-28.29W, h3km, ML3.1, Error ellipse: s-maj=9.2km s-min=2.8km az=157.0, After PDA

PDA 02 13:39:41.4, 1.3, 3.9, 15N-28.29W, h3km, 4km, MD3.4, ML3.1, Error ellipse: s-maj=6.3km s-min=2.5km az=159.0

SVSA 02 13:39:41.4, 1.3, 3.9, 15N-28.29W, h3km, 4km, MD3.4, ML3.1, Error ellipse: s-maj=6.3km s-min=2.5km az=159.0, Azores Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Santa Cruz, Graciosa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Saint Sault, La Chapelle.

IDC 02 13:28:45.6, 3.0, 3.62S-135.03E, mb3.7/2, mb1 4.2/4, mb1mx4.0/10, mbtmt4.0/4, ML3.9/2, Error ellipse: s-maj=133.7km s-min=27.2km az=87.0, Irian Jaya region

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

CSEM 02 13:33:13.6, 1.1, 3.9, 14N-28.28W, h3km, ML2.5, Error ellipse: s-maj=15.0km s-min=7.3km az=136.0

PDA 02 13:33:13.6, 1.3, 3.9, 14N-28.28W, h3km, 5km, MD3.2, ML2.5, Error ellipse: s-maj=8.6km s-min=2.7km az=158.0

SVSA 02 13:33:13.6, 1.3, 3.9, 14N-28.28W, h3km, 5km, MD3.2, ML2.5, Error ellipse: s-maj=8.6km s-min=2.7km az=158.0, Azores Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Santa Cruz, Graciosa, etc.

IDC 02 13:36:15.6, 3.2, 6.56S-154.90E, h68km, 26km, mb4.0/9, mb1 4.2/11, mb1mx4.0/18, mbtmt4.4/11, Error ellipse: s-maj=25.1km s-min=18.9km az=7.0

NEIC 02 13:36:18.7, 1.8, 6.62S-154.84E, h98km, 15km, mb4.4/4, Error ellipse: s-maj=13.8km s-min=10.3km az=196.0

ISC 02 13:36:16.7, 3.3, 6.75S-10.1, 154.89E, h33km, 26km, n18, 0.671/19, mb4.1/12, Bougainville - Solomon Islands region

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

CSEM 02 13:39:41.4, 0.3, 3.9, 15N-28.29W, h3km, ML3.1, Error ellipse: s-maj=9.2km s-min=2.8km az=157.0, After PDA

PDA 02 13:39:41.4, 1.3, 3.9, 15N-28.29W, h3km, 4km, MD3.4, ML3.1, Error ellipse: s-maj=6.3km s-min=2.5km az=159.0

SVSA 02 13:39:41.4, 1.3, 3.9, 15N-28.29W, h3km, 4km, MD3.4, ML3.1, Error ellipse: s-maj=6.3km s-min=2.5km az=159.0, Azores Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Santa Cruz, Graciosa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include PBIS Biscoitos, PPAD Pico dos Padre, ADH Angra Heroismo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include WRA Warramunga Arr, SONM Songoing Array, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include WRA Warramunga Arr, SONM Songoing Array, MKAR Makanchi Array, etc.

IDs: IDC 02 13:44:30.3, 2.35N-96.91E, mb3.9/5, mb1 4.1/5, mb1mx3.7/1.7, mtbtp3.9/5, Error ellipse: s-maj=130.6km s-min=26.2km az=55.0, Northern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include WRA Warramunga Arr, SONM Songoing Array, MKAR Makanchi Array, etc.

IDs: IDC 02 13:57:00.9, 1.3, 35.21N-141.48E, mb3.3/4, mb1 3.4/5, mb1mx3.4/2.1, mtbtp3.3/5, ML2.5/1, MS3.5/1, Ms1 3.5/1, ms1mx3.4/1.1, Error ellipse: s-maj=43.5km s-min=24.5km az=97.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include BSO1 Boso 1, CHJO Chosi, BSO3 Boso 3, etc.

IDs: CSEM 02 13:59:17.2, 0.5, 78.50N-6.02E, h30km, ML3.2, Error ellipse: s-maj=11.8km s-min=6.0km az=91.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include KBS Kingsbay, SPAO Spitsbergen Arr, HSP Hornsund, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include 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. Rows include WRA Warramunga Arr, SONM Songoing Array, MKAR Makanchi Array, etc.

IDs: BUJ 02 14:09:56.4, 1.30N-97.20E, h24km, mb4.5, Ms3.8, IDC 02 14:09:57.8, 1.8, 1.31N-97.10E, h23km, mb4.1/9, mb1 4.2/9, mb1mx4.0/1.5, mtbtp4.2/9, MS4.5/1, Ms1 4.5/1, ms1mx3.5/2.4, Error ellipse: s-maj=73.6km s-min=15.3km az=56.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include KULM Kulim, KKM Kunming, KMI Kunming, etc.

IDs: IDC 02 14:09:56.4, 1.30N-97.20E, h24km, mb4.5, Ms3.8, IDC 02 14:09:57.8, 1.8, 1.31N-97.10E, h23km, mb4.1/9, mb1 4.2/9, mb1mx4.0/1.5, mtbtp4.2/9, MS4.5/1, Ms1 4.5/1, ms1mx3.5/2.4, Error ellipse: s-maj=73.6km s-min=15.3km az=56.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include KULM Kulim, KKM Kunming, KMI Kunming, etc.

IDs: IDC 02 14:09:56.4, 1.30N-97.20E, h24km, mb4.5, Ms3.8, IDC 02 14:09:57.8, 1.8, 1.31N-97.10E, h23km, mb4.1/9, mb1 4.2/9, mb1mx4.0/1.5, mtbtp4.2/9, MS4.5/1, Ms1 4.5/1, ms1mx3.5/2.4, Error ellipse: s-maj=73.6km s-min=15.3km az=56.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include 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. Rows include BOD Bodaibo, KMBO Kilima Mbo, YAK Yakutsk, etc.

IDs: IDC 02 14:21:36.6, 0.6, 1.06N-97.62E, mb4.3/16, mb1 4.5/16, mb1mx4.4/19, mtbtp4.3/16, Error ellipse: s-maj=25.2km s-min=14.8km az=52.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include KULM Kulim, KKM Kunming, KMI Kunming, etc.

IDs: IDC 02 14:21:36.6, 0.6, 1.06N-97.62E, mb4.3/16, mb1 4.5/16, mb1mx4.4/19, mtbtp4.3/16, Error ellipse: s-maj=25.2km s-min=14.8km az=52.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include HYB Hyderabad, HYB Hyderabad, SHL Shillong, etc.

IDs: IDC 02 14:21:36.6, 0.6, 1.06N-97.62E, mb4.3/16, mb1 4.5/16, mb1mx4.4/19, mtbtp4.3/16, Error ellipse: s-maj=25.2km s-min=14.8km az=52.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include GUC 02 14:37:36.9, 0.8, 30.65S-71.62W, h34km, Ms3.7, ML3.2, 4C-1D, Near coast of central Chile



Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like WMQ, WMO, WMC, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like FCC, HRY, GOF, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like SMF, LPL, AVF, etc.

Station information for SHL, WRA, ASAR, SONM, MKAR, etc. including coordinates and power levels.

Station information for KULM, LSA, BJT, BJI, WRA, AAK, etc. including coordinates and power levels.

Station information for MKAR, SONM, MKAR, KURK, ZAL, etc. including coordinates and power levels.

Station information for WRA, FINES, ARCES, etc. including coordinates and power levels.

Station information for WRA, MKAR, SONM, ZAL, BVAR, etc. including coordinates and power levels.

Station information for WRA, MKAR, SONM, ZAL, BVAR, etc. including coordinates and power levels.

Station information for WRA, MKAR, SONM, ZAL, BVAR, etc. including coordinates and power levels.

Station information for WRA, MKAR, SONM, ZAL, BVAR, etc. including coordinates and power levels.

Station information for WRA, MKAR, SONM, ZAL, BVAR, etc. including coordinates and power levels.

Station information for WRA, MKAR, SONM, ZAL, BVAR, etc. including coordinates and power levels.



Table with columns: TLY, Talaha, 52.22, 5 eP, P, 15 30 28.4 +0.6. Includes stations like Stephens Creek, Irkutsk, Matsushiro, Hailar, Kurchatov, etc.

Table with columns: KIV, Kislovodsk, 65.38 320 eP, P, 15 31 58.7 -0.7. Includes stations like GOF, MALT, MBAR, CASY, YAK, etc.

Table with columns: KAF, Kangasniemi, 81.41 333 eP, P, 15 33 29.7 -3.0. Includes stations like NIE, PSZ, GRI, OKC, etc.





















Table with columns: XAN, Xifan, 33.07, 19, P, P, 19 27 16.2 -1.6, 19 27 24.3 -2.4, WRA, Warramunga Arr, 51.55 126, P, P, 19 45 44.0 +0.3, 19 45 51.3 0.0, WRAB, Tennant Creek, 51.56 126, eP, P, 19 45 43.2 -0.5, 19 45 56.9 +0.2, ASAR, Alice Springs, 53.30 130, P, P, 19 45 56.9 +0.2, ASAR, 1.4nm, 0.6s, baz=302, slow=7.2, SNR=8.6, pP, 19 46 04.0 -0.3

Table with columns: WRA, Warramunga Arr, 51.55 126, P, P, 19 45 44.0 +0.3, 19 45 51.3 0.0, WRAB, Tennant Creek, 51.56 126, eP, P, 19 45 43.2 -0.5, 19 45 56.9 +0.2, ASAR, Alice Springs, 53.30 130, P, P, 19 45 56.9 +0.2, ASAR, 1.4nm, 0.6s, baz=302, slow=7.2, SNR=8.6, pP, 19 46 04.0 -0.3

Table with columns: WRA, Warramunga Arr, 41.09 122, Op, P, 19 58 56.0 +0.3, 19 59 03.1 +0.9, ASAR, Alice Springs, 42.42 127, P, P, 19 50 10.2 -1.9, 19 50 52.6 -2.7, SONM, Sengio Array, 47.86 9, P, P, 19 50 56.8 -1.0, MKAR, Makanchi Array, 48.19 346, P, P, 19 51 43.1 -2.0, ZAL, Zalesovo, 54.46 351, P, P, 19 52 01.6 -3.5, BVAR, Borovoye Array, 57.23 341, P, P, 20 01 50.7 -3.1, TXAR, Lajitas Array, 144.04 33, PKP, 20 01 50.7 -3.1

Table with columns: WRA, Warramunga Arr, 41.09 122, Op, P, 19 58 56.0 +0.3, 19 59 03.1 +0.9, ASAR, Alice Springs, 42.42 127, P, P, 19 50 10.2 -1.9, 19 50 52.6 -2.7, SONM, Sengio Array, 47.86 9, P, P, 19 50 56.8 -1.0, MKAR, Makanchi Array, 48.19 346, P, P, 19 51 43.1 -2.0, ZAL, Zalesovo, 54.46 351, P, P, 19 52 01.6 -3.5, BVAR, Borovoye Array, 57.23 341, P, P, 20 01 50.7 -3.1, TXAR, Lajitas Array, 144.04 33, PKP, 20 01 50.7 -3.1

Table with columns: WRA, Warramunga Arr, 43.67 276, P, P, 20 05 47.5 0.0, FINES, FINESS Array B, 147.72 338, PKP, 20 17 26.6 +5.1, MOS 02 19:58:49.6i, 1.2, 55.37N, 35.18W, h10km, mb4.6/11, Error ellipse: s-maj=18.4km s-min=15.4km az=59.7, IDC 02 19:58:51.5i, 0.8, 55.70N, 35.01W, mb3.8/13, mb1 4.0/16, mb1 mx3.8/26, mbtmp3.8/16, ML3.3/3, MS3.7/12, Ms1 3.6/12, ms1 mx3.4/31, Error ellipse: s-maj=28.4km s-min=12.7km az=8.0, BJI 02 19:58:52.1, 55.60N, 35.00W, h10km, mb4.9, mb4.4, Ms4.5, Ms4.3, ZUR\_RM 02 19:58:53.55, 59N, 34.97W, h9km, Mw4.5/7, Moment Tensor Solution. s7 Moment tensor: Scale 10^15Nm; M1=-6.1; M2=1.54; M3=5.07; M4=-0.87; M5=-0.39; M6=0.75; Best double couple: M5.96x10^15 NP1.68, 849, lambda-97, NP2.359, 841, lambda-82. Principal axes: T 1.72, P1g4, Azm263; N 1.571, P1g5, Azm172; P -6.743, P1g8, Azm30

Table with columns: WRA, Warramunga Arr, 43.67 276, P, P, 20 05 47.5 0.0, FINES, FINESS Array B, 147.72 338, PKP, 20 17 26.6 +5.1, MOS 02 19:58:49.6i, 1.2, 55.37N, 35.18W, h10km, mb4.6/11, Error ellipse: s-maj=18.4km s-min=15.4km az=59.7, IDC 02 19:58:51.5i, 0.8, 55.70N, 35.01W, mb3.8/13, mb1 4.0/16, mb1 mx3.8/26, mbtmp3.8/16, ML3.3/3, MS3.7/12, Ms1 3.6/12, ms1 mx3.4/31, Error ellipse: s-maj=28.4km s-min=12.7km az=8.0, BJI 02 19:58:52.1, 55.60N, 35.00W, h10km, mb4.9, mb4.4, Ms4.5, Ms4.3, ZUR\_RM 02 19:58:53.55, 59N, 34.97W, h9km, Mw4.5/7, Moment Tensor Solution. s7 Moment tensor: Scale 10^15Nm; M1=-6.1; M2=1.54; M3=5.07; M4=-0.87; M5=-0.39; M6=0.75; Best double couple: M5.96x10^15 NP1.68, 849, lambda-97, NP2.359, 841, lambda-82. Principal axes: T 1.72, P1g4, Azm263; N 1.571, P1g5, Azm172; P -6.743, P1g8, Azm30

Table with columns: WRA, Warramunga Arr, 43.67 276, P, P, 20 05 47.5 0.0, FINES, FINESS Array B, 147.72 338, PKP, 20 17 26.6 +5.1, MOS 02 19:58:49.6i, 1.2, 55.37N, 35.18W, h10km, mb4.6/11, Error ellipse: s-maj=18.4km s-min=15.4km az=59.7, IDC 02 19:58:51.5i, 0.8, 55.70N, 35.01W, mb3.8/13, mb1 4.0/16, mb1 mx3.8/26, mbtmp3.8/16, ML3.3/3, MS3.7/12, Ms1 3.6/12, ms1 mx3.4/31, Error ellipse: s-maj=28.4km s-min=12.7km az=8.0, BJI 02 19:58:52.1, 55.60N, 35.00W, h10km, mb4.9, mb4.4, Ms4.5, Ms4.3, ZUR\_RM 02 19:58:53.55, 59N, 34.97W, h9km, Mw4.5/7, Moment Tensor Solution. s7 Moment tensor: Scale 10^15Nm; M1=-6.1; M2=1.54; M3=5.07; M4=-0.87; M5=-0.39; M6=0.75; Best double couple: M5.96x10^15 NP1.68, 849, lambda-97, NP2.359, 841, lambda-82. Principal axes: T 1.72, P1g4, Azm263; N 1.571, P1g5, Azm172; P -6.743, P1g8, Azm30

Table with columns: PSZ, Piszkesteto, 34.04 79, P, P, 20 05 36.3 -0.8, ULM, Lac du Bonnet, 36.05 288, P, P, 20 05 52.9 -1.3, ULM, 3.0nm, 0.9s, mb4.2, baz=53, slow=6.6, SNR=4.3, 20 19 20.7, ULM, 3.116nm, 20.3s, MS3.6, baz=42, slow=34, 20 05 52.9 -1.3, ULM, Lac du Bonnet, 36.05 288, P, P, 20 19 20.7, AKASG, Malin Array Be, 37.62 70, P, P, 20 06 06.0 -1.3, YKWS, Yellowknife Ar, 39.05 314, P, P, 20 06 20.4 +1.2, YKWS, Yellowknife Ar, 39.05 314, P, P, 20 06 20.4 +1.2, YKA, Yellowknife Ar, 39.07 314, P, P, 20 06 18.5 -1.0, INK, Inuvik, 42.90 327, eP, P, 20 06 51.8 +1.1, INK, 2.1nm, 1.6s, 20 06 49.4 -1.3, INK, 2.04nm, 0.5s, mb3.4, baz=72, slow=6.4, SNR=3.4, 20 23 59.0, INK, 2.142nm, 18.2s, MS3.9, baz=42, slow=35, 20 06 51.8 +1.1, INK, Inuvik, 42.90 327, eP, P, 20 06 51.8 +1.1, LAO, LASA Array, 43.72 289, eP, P, 20 07 02.4 +4.8, WALA, Waterloo Lakes, 46.24 297, P, P, 20 07 20.4 +2.6, BRTR, Keskin Array B, 46.89 80, P, P, 20 07 24.8 +1.8, BOZ, Bozeman (W), 47.27 292, eP, P, 20 07 22.3 -3.6, BOZ, 2.4nm, 0.7s, mb4.5, 20 07 22.3 -3.6, BOZ, Bozeman (W), 47.27 292, eP, P, 20 07 22.3 -3.6, DAW, Dawson, 47.40 325, eP, P, 20 07 29.0 +2.3, WMOK, Wichita Mounta, 47.66 272, eP, P, 20 07 33.6 +4.4, WMOK, 4.0nm, 1.1s, mb4.4, 20 07 33.6 +4.4, WMOK, Wichita Mounta, 47.66 272, eP, P, 20 07 33.6 +4.4, PDAR, Pineda Array, 48.08 247, P, P, 20 07 31.9 -0.5, ARU, Arti, 48.36 48, eP, P, 20 07 34.1 -0.2, ARU, 2.7nm, 1.1s, mb4.6, 20 07 34.0 -0.2, ARU, Arti, 48.36 48, eP, P, 20 07 34.0 -0.3, MALT, Malatya, 50.55 78, P, P, 20 07 48.7 -2.7, MALT, 2.10nm, 1.4s, mb4.5, 20 07 48.7 -2.7, MALT, Malatya, 50.55 78, P, P, 20 07 48.7 -2.7, MALT, 2.10nm, 1.4s, mb4.5, 20 07 48.7 -2.7, PV10, Paradox Valley, 50.84 283, eP, P, 20 08 00.0 +6.5, GNI, Garni, 52.70 71, eP, P, 20 08 09.0 +1.3, GNI, 2.11nm, 1.1s, 20 08 09.0 +1.3, GNI, Garni, 52.70 71, LR, LR, 20 08 09.0 +1.4, GNI, Garni, 52.70 71, eP, P, 20 08 09.0 +1.3, GNI, Garni, 52.70 71, eP, P, 20 08 09.0 +1.3, DBIC, Dimbokro, 54.33 142, P, P, 20 08 18.8 -1.1, TXAR, Lajitas Array, 54.44 271, P, P, 20 08 22.1 +1.5, CHKZ, Chkalovo, 55.23 44, eP, P, 20 08 25.3 -0.8, CHKZ, 3.0nm, 0.8s, mb4.4, 20 08 25.3 -0.8, CHKZ, Chkalovo, 55.23 44, eP, P, 20 08 25.3 -0.8, CHKZ, 2.7nm, 0.8s, mb4.3, 20 08 25.3 -0.8, CHKZ, Chkalovo, 55.23 44, eP, P, 20 08 25.3 -0.8, YBH, Yreka Blue Hill, 57.76 295, LR, LR, 20 29 13.9, KURK, Kurchatov, 60.64 42, eP, P, 20 29 02.9 -1.2, KURK, 2.0nm, 0.7s, mb4.4, 20 29 02.9 -1.2, KURK, Kurchatov, 60.64 42, eP, P, 20 29 02.9 -1.2, KURK, Kurchatov, 60.64 42, eP, P, 20 29 02.9 -1.2, MKAR, Makanchi Array, 65.25 42, P, P, 20 29 33.9 -0.7, AAK, Ala-Archa, 65.47 50, eP, P, 20 29 36.3 +0.3, AAK, 3.0nm, 1.2s, mb4.2, 20 29 36.3 +0.3, AAK, Ala-Archa, 65.47 50, eP, P, 20 29 36.3 +0.3, WMO, Urumqi, 69.79 40, AP, P, 20 10 04.4 +1.3, WMO, 3.0nm, 1.0s, mb4.2, 20 10 04.4 +1.3, WMO, Urumqi, 69.79 40, AP, P, 20 10 11.4 +5.4, WMO, Urumqi, 69.79 40, AP, P, 20 10 27.7 +1.8, WMO, 3.0nm, 1.0s, mb4.2, 20 12 10.0 +7.0, WMO, comp=2.3, 3nm, 1.0s, mb4.2, 20 05 36.3 -0.8, WMO, comp=2.32nm, 3.1s, 20 05 36.3 -0.8, WMO, comp=N, 1.1nm, 16.4s, MS3.5, 20 05 36.3 -0.8, WMO, comp=E, 23nm, 17.6s, MS3.5, 20 05 36.3 -0.8, MDJ, Mudanjianj, 79.36 11, P, P, 20 10 55.5 -2.6, MDJ, 2.7nm, 0.9s, mb4.6, 20 10 55.5 -2.6, MDJ, comp=2.76nm, 3.8s, 20 10 55.5 -2.6, CN2, Changchun, 79.65 14, P, P, 20 11 13.9 +0.7, LZH, Lanzhou, 82.19 33, eP, P, 20 11 17.2 +1.8, LZH, 2.1nm, 1.5s, mb4.8, 20 07 50.0 -2.1, LZH, comp=2.159nm, 19.3s, baz=319, slow=34, 20 14 00.6, LZH, comp=2.18nm, 18.2s, MS3.5, baz=62, slow=34, 20 14 00.6, STKA, Stephens Creek, 29.87 223, P, P, 20 08 50.9 -2.1, STKA, 1.7nm, 0.8s, baz=46, slow=13, SNR=3.2, 20 14 00.6, WBK, Warramunga Arr, 30.93 250, eP, P, 20 09 01.1 -1.2, WRA, Warramunga Arr, 30.94 250, P, P, 20 09 00.6 -1.8, ASAR, Alice Springs, 32.23 244, P, P, 20 09 11.3 -2.4, ASAR, 1.4nm, 0.9s, baz=74, slow=10, SNR=7.1, 20 09 11.3 -2.4, ASAR, comp=2.81nm, 19.4s, baz=156, slow=32, 20 09 11.3 -2.4, FITZ, Fitzroy Crossi, 38.86 255, LR, LR, 20 24 14.3, FITZ, 2.7nm, 1.9s, baz=11, slow=33, 20 24 14.3, NWAO, Narrogin (SRO), 48.89 236, LR, LR, 20 32 16.8, SONM, Sengio Array, 78.69 324, P, P, 20 14 45.7 -1.3, SONM, 0.7nm, 0.9s, baz=128, slow=4, SNR=2, 20 14 45.7 -1.3, SONM, 0.7nm, 0.9s, baz=128, slow=4, SNR=2, 20 14 45.7 -1.3, FITZ, Fitzroy Crossi, 38.86 255, LR, LR, 20 24 14.3, FITZ, 2.2nm, 0.4s, mb4.2, baz=308, slow=14, SNR=10, 20 24 14.3

Table with columns: Code, Station Name, A, AZ, Op, Phase ID, Time Res, h m s, ISC, LSA, Lhasa, 18.75 357, eP, P, 19 40 57.8 +1.1, KSM, Kuching, 20.25 114, eP, P, 19 42 02.0 +0.3, ENH, Enshi, 25.11 37, eP, P, 19 42 02.0 +0.3, MKAR, Makanchi Array, 36.77 349, P, P, 19 43 42.5 -2.2, MKAR, 0.3nm, 0.6s, mb3.3, baz=171, slow=6.3, SNR=3.4, 19 43 49.8 -2.3, SONM, Sengio Array, 38.72 15, P, P, 19 43 59.9 -1.1, SONM, 1.6nm, 0.6s, baz=169, slow=1.1, SNR=19, 19 43 59.9 -1.1, SONM, 0.6nm, 0.6s, baz=217, slow=7.6, SNR=5.7, 19 44 08.2 -0.2, ULN, Ulanbaatar, 39.92 16, eP, P, 19 44 09.2 +6.5, KURK, Kurchatov, 41.26 347, P, P, 19 44 23.1 +1.1, ZAL, Zalesovo, 43.35 354, pP, P, 19 44 44.3 -3.0, FITZ, Fitzroy Crossi, 43.80 131, P, P, 19 44 43.6 +0.5, FITZ, 2.2nm, 0.4s, mb4.2, baz=308, slow=14, SNR=10, 19 44 43.6 +0.5

Table with columns: Code, Station Name, A, AZ, Op, Phase ID, Time Res, h m s, ISC, WRA, Warramunga Arr, 41.09 122, Op, P, 19 58 56.0 +0.3, 19 59 03.1 +0.9, ASAR, Alice Springs, 42.42 127, P, P, 19 50 10.2 -1.9, 19 50 52.6 -2.7, SONM, Sengio Array, 47.86 9, P, P, 19 50 56.8 -1.0, MKAR, Makanchi Array, 48.19 346, P, P, 19 51 43.1 -2.0, ZAL, Zalesovo, 54.46 351, P, P, 19 52 01.6 -3.5, BVAR, Borovoye Array, 57.23 341, P, P, 20 01 50.7 -3.1, TXAR, Lajitas Array, 144.04 33, PKP, 20 01 50.7 -3.1, IDC 02 19:57:41.9i, 2.7, 33.33S, 178.88W, mb3.7/2, mb1 3.9/3, mb1 mx3.8/12, mbtmp3.7/3, ML3.7/1, Error ellipse: s-maj=65.3km s-min=34.9km az=118.0, IDC 02 19:57:43.9i, 2.6, 33.45S, 1.0x178.7W, 0.4, h33km, n10, 0.549, 11, mb3.6/2, South of Kermadec Islands, Code, Station Name, A, AZ, Op, Phase ID, Time Res, h m s, ISC, MXZ, Matakoqa Point, 4.79 209, ePN, P, 19 58 56.0 +0.3, PUZ, Puketiti, 5.25 207, ePN, P, 19 59 03.1 +0.9, PUZ, 20 00 02.6 +0.2, MWZ, Matawai, 5.77 211, ePN, P, 19 59 02.9 -0.4, URZ, Urewera, 5.89 214, Pn, P, 19 59 10.8 -0.5, URZ, 2.1nm, 0.3s, baz=152, slow=22, SNR=16, Sn, 20 00 18.5 0.0, URZ, 2.3nm, 0.3s, baz=141, slow=21, SNR=6.1, Pn, 19 59 10.4 -0.9, URZ, Black Stump Fm, 6.81 212, Pn, P, 19 59 24.9 -0.1, MOZ, McQueen's Fall, 12.28 211, eSN, S, 20 02 41.4 -1.4, ASAR, Alice Springs, 42.41 271, P, P, 20 05 37.4 +0.2, WRA, Warramunga Arr, 43.67 276, P, P, 20 05 47.5 0.0, FINES, FINESS Array B, 147.72 338, PKP, 20 17 26.6 +5.1, MOS 02 19:58:49.6i, 1.2, 55.37N, 35.18W, h10km, mb4.6/11, Error ellipse: s-maj=18.4km s-min=15.4km az=59.7, IDC 02 19:58:51.5i, 0.8, 55.70N, 35.01W, mb3.8/13, mb1 4.0/16, mb1 mx3.8/26, mbtmp3.8/16, ML3.3/3, MS3.7/12, Ms1 3.6/12, ms1 mx3.4/31, Error ellipse: s-maj=28.4km s-min=12.7km az=8.0, BJI 02 19:58:52.1, 55.60N, 35.00W, h10km, mb4.9, mb4.4, Ms4.5, Ms4.3, ZUR\_RM 02 19:58:53.55, 59N, 34.97W, h9km, Mw4.5/7, Moment Tensor Solution. s7 Moment tensor: Scale 10^15Nm; M1=-6.1; M2=1.54; M3=5.07; M4=-0.87; M5=-0.39; M6=0.75; Best double couple: M5.96x10^15 NP1.68, 849, lambda-97, NP2.359, 841, lambda-82. Principal axes: T 1.72, P1g4, Azm263; N 1.571, P1g5, Azm172; P -6.743, P1g8, Azm30, NEIC 02 19:58:53.1i, 0.6, 55.59N, 34.97W, h10km, mb4.5/15, Error ellipse: s-maj=17.1km s-min=7.6km az=188.0, CSEM 02 19:58:54.2i, 0.52, 55.61N, 35.08W, h40km, mb4.9/9, Error ellipse: s-maj=9.0km s-min=3.3km az=178.0, IDC 02 19:58:50.6i, 5.5, 55.5N, 0.1x35.01W, 0.09, h7km, 35km, n68, 0.126/61, mb4.2/29, MS3.7/11, 1.1C, Reykjanes Ridge, Code, Station Name, A, AZ, Op, Phase ID, Time Res, h m s, ISC, BORG, Borgarnes, 11.44 31, LR, LR, 20 05 00.7, SURG, Summit, 17.16 356, eP, P, 20 02 52.5 +0.4, SURG, 7.1nm, 1.0s, 17.16 356, eP, P, 20 02 52.5 +0.4, EKA, Eskdalemuir Ar, 19.99 77, P, P, 20 03 03.3 +0.8, SCHO, Schefferville, 18.11 281, P, P, 20 03 03.3 -0.8, SCHO, 0.8nm, 0.3s, baz=85, slow=18, SNR=25, LR, 20 08 40.4, FRB, Froisher Bay, 18.63 310, P, P, 20 03 09.2 -1.2, FRB, 0.1nm, 0.3s, baz=97, slow=16, SNR=4.2, LR, 20 08 43.6, NAOI1, NORAS Array S, 24.34 59, eP, P, 20 04 10.2 +0.7, NAOI1, 1.1nm, 1.1s, mb4.2, 20 04 10.2 +0.7, NAOI1, NORAS Array S, 24.34 59, eP, P, 20 04 10.2 +0.7, NOA, NORAS Array B, 24.48 58, P, P, 20 04 09.4 -1.5, NOA, 0.6nm, 0.7s, mb3.1, baz=282, slow=6.0, SNR=2.7, LR, 20 12 07.8, HFS, Hagfors, 25.84 60, P, P, 20 04 25.2 +1.4, HFS, 0.9nm, 0.9s, mb3.8, baz=287, slow=15, SNR=3.2, ESDC, Sonsea Array, 29.57 115, P, P, 20 04 26.8 +1.5, ESDC, 3.8nm, 1.5s, mb3.8, baz=326, slow=3.3, SNR=7.6, DAVOX, Davos, 29.27 89, LR, LR, 20 16 01.8, DAVOX, 2.26nm, 18.5s, MS3.9, baz=266, slow=36, 20 16 01.8, ARCES, ARCES Array B, 29.70 38, LR, LR, 20 15 00.2, SADO, Sadow, 29.77 267, LR, LR, 20 16 23.6, GERES, GERES Array B, 30.07 82, P, P, 20 05 01.2 -1.1, GERES, 0.5nm, 0.7s, mb3.4, baz=304, slow=9.6, SNR=3.8, LR, 20 15 58.1, FCC, Fort Churchill, 31.31 301, eP, P, 20 05 12.5 -0.6, FCC, 2.5nm, 1.0s, mb4.3, 20 05 12.5 -0.6, FCC, 2.5nm, 1.0s, mb4.3, 20 05 12.5 -0.6, FCC, Fort Churchill, 31.31 301, eP, P, 20 05 12.5 -0.6, PSZ, Piszkesteto, 34.04 79, P, P, 20 05 36.3 -0.8, PSZ, comp=2.5, 0nm, 1.1s, mb4.4, 20 05 36.3 -0.8, PSZ, Piszkesteto, 34.04 79, P, P, 20 05 36.3 -0.8, IDC 02 20:02:41.3i, 2.4, 11.41S, 165.29E, mb4.1/5, mb1 4.3/6, mb1 mx4.1/14, mbtmp4.2/6, ML4.5/1, MS3.5/7, Ms1 3.4/7, ms1 mx3.0/219, Error ellipse: s-maj=58.7km s-min=30.5km az=99.0, Santa Cruz Islands, Code, Station Name, A, AZ, Op, Phase ID, Time Res, h m s, ISC, DZM, Mont Dzumak, 10.66 174, eP, P, 20 05 13.9 -4.7, DZM, Mont Dzumak, 10.66 174, Pn, P, 20 05 14.7 -3.9, DZM, 3.9nm, 0.3s, baz=345, slow=12, SNR=28, LR, 20 07 50.0, PMZ, Port Moresby, 17.94 275, LR, LR, 20 12 52.3, CTA, Charters Tower, 20.24 242, LR, LR, 20 14 00.6, STKA, Stephens Creek, 29.87 223, P, P, 20 08 50.9 -2.1, WBK, Warramunga Arr, 30.93 250, eP, P, 20 09 01.1 -1.2, WRA, Warramunga Arr, 30.94 250, P, P, 20 09 00.6 -1.8, ASAR, Alice Springs, 32.23 244, P, P, 20 09 11.3 -2.4, ASAR, 1.4nm, 0.9s, baz=74, slow=10, SNR=7.1, 20 09 11.3 -2.4, ASAR, comp=2.81nm, 19.4s, baz=156, slow=32, 20 09 11.3 -2.4, FITZ, Fitzroy Crossi, 38.86 255, LR, LR, 20 24 14.3, NWAO, Narrogin (SRO), 48.89 236, LR, LR, 20 32 16.8, SONM, Sengio Array, 78.69 324, P, P, 20 14 45.7 -1.3, SONM, 0.7nm, 0.9s, baz=128, slow=4, SNR=2, 20 14 45.7 -1.3, SONM, 0.7nm, 0.9s, baz=128, slow=4, SNR=2, 20 14 45.7 -1.3, FITZ, Fitzroy Crossi, 38.86 255, LR, LR, 20 24 14.3, FITZ, 2.2nm, 0.4s, mb4.2, baz=308, slow=14, SNR=10, 20 24 14.3



Table with columns: WMOIC, Wichta Mounta, 47.54 272 P, P, 20 35 18.6 0.0

IDC 02 20:28:50.2, 7.9, 4.87S, 149.49E, h72km, 59km, mb4.2/5, mb1 4.3/6, mb1mx3.9/14, mbtmp4.5/6, ML2.8/1, MS3.5/7, Ms1 3.4/7, ms1mx3.4/15, Error ellipse: s-maj=59.5km s-min=29.8km az=1.0

NEIC 02 20:28:51.9, 3.1, 5.21S, 149.53E, h60km, 27km, mb4.5/3, Error ellipse: s-maj=23.0km s-min=20.9km az=87.0

ISC 02 20:28:48.0, 2.6, 4.85S, 0.10, 149.49E, 0.2, h64km, 25km, n12, c085/12, mb4.1/5, Bismarck Sea

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

JMA 02 20:28:49.0, 0.2, 2.82N, 122.00E, h75km, M2.3

TAP 02 20:28:48.7, 24.72N, 121.90E, h72km, ML3.6, Taiwan

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

BUI 02 20:30:51.8, 0.99N, 97.01E, h39km, mb4.3

IDC 02 20:30:56.0, 0.9, 1.38N, 96.92E, h26km, 3km, mb3.8/10, mb1 3.9/10, mb1mx3.8/17, mbtmp4.0/10, Error ellipse: s-maj=39.5km s-min=14.2km az=51.0

NEIC 02 20:30:56.5, 0.7, 1.46N, 97.06E, mb4.3/10, Error ellipse: s-maj=16.3km s-min=1.2km az=223.0

ISC 02 20:30:54.6, 0.6, 1.5N, 97.1E, 0.1, h26km, n26, c091/pP, n27, c095/27, mb4.2/20, Northern Sumatara

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

IDC 02 21:04:35.2, 2.7, 5.57N, 35.04W, mb3.8/5, mb1 3.9/7, mb1mx3.6/24, mbtmp3.8/7, ML3.2/2, MS3.4/2, Ms1 3.4/2, ms1mx2.2/5, Error ellipse: s-maj=93.0km s-min=22.35km az=5.0, Reykjanes Ridge

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

IDC 02 21:09:44.7, 3.2, 0.66S, 136.76E, mb4.2/4, mb1 4.3/5, mb1mx4.0/14, mbtmp4.1/5, ML4.3/1, Error ellipse: s-maj=176.7km s-min=21.0km az=78.0, Irian Jaya region

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

IDC 02 21:26:05.2, 31.0, 0.86S, 97.36E, mb3.9/4, mb1 4.0/4, mb1mx3.6/16, mbtmp3.9/4, Error ellipse: s-maj=62.7.1km s-min=133.9km az=168.0, Southwest of Sumatara

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

IDC 02 21:26:33.3, 1.7, 5.5, 47N, 35.21W, mb3.6/6, mb1 3.7/7, mb1mx3.5/22, mbtmp3.6/7, ML2.3/1, MS3.4/2, Ms1 3.4/2, ms1mx2.7/29, Error ellipse: s-maj=50.2km s-min=22.4km az=15.0

NEIC 02 21:26:33.5, 1.1, 0.55, 49N, 35.17W, h10km, Error ellipse: s-maj=36.7km s-min=13.7km az=188.0

ISC 02 21:26:33.5, 1.1, 5.55N, 0.35, 1W, 0.2, h10km, n9, c084/8, mb3.4/6, MS3.4/2, Reykjanes Ridge

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

IDC 02 21:31:44.2, 1.3, 1.84N, 97.76E, mb4.2/11, mb1 4.3/11, mb1mx4.1/18, mbtmp4.2/11, Error ellipse: s-maj=68.9km s-min=14.9km az=54.0

BUI 02 21:31:45.7, 0.97N, 97.39E, h40km, mb5.0, mb4.5, Ms4.3, Ms2.4

MOS 02 21:31:46.5, 1.6, 1.35N, 97.33E, h33km, mb4.7/16, Error ellipse: s-maj=20.9km s-min=9.9km az=98.6

NEIC 02 21:31:48.1, 0.6, 1.49N, 97.42E, h30km, mb4.6/19, Error ellipse: s-maj=19.9km s-min=9.0km az=54.0

ISC 02 21:31:46.3, 0.6, 1.40N, 0.08, 97.35E, 0.10, h30km, (h34km, 1.3km; pP-P), n62, c193/61, mb4.4/38, MS3.8/6, 1C, Northern Sumatara

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

Table with columns: XAN, Xian, 34.23 17 P, P, 21 38 33.8 +2.1

NEIC 02 21:34:42.9, 0.7, 37.43S, 71.08W, h155km, MD3.4(GUC), After GUC

GUC 02 21:34:42.9, 0.7, 37.43S, 71.08W, h155km, 20km, MD3.4, ML3.4, Southern Chile-Argentina border region







MAN 02 25:26:29.7, 7.11N, 125.91E, h33km, mb3.8, ML2.5, MS2.0, 1C, Mindanao
Code Station Name Δ° AZ° Phase ID Time Res h m s ISC

BUI 02 23:10:38.3, 2.28N, 96.04E, h26km, mb4.8, mb4.6, Ms4.5, Ms2.4

MOS 02 23:10:42.9, 1.0, 2.74N, 96.06E, h33km, mb4.8, B/2, Error ellipse: s-maj=26.4km s-min=9.6km az=107.7

IDC 02 23:10:44.7, 0.5, 2.96N, 96.39E, h26km, mb4.1, mb1.4/1.4, mb1.4/2.14, mb1mx4.2/17, mbtmp4.3/14, Error ellipse: s-maj=22.1km s-min=10.4km az=48.0

NEIC 02 23:10:44.0, 0.5, 2.87N, 96.25E, mb4.5/1.6, Error ellipse: s-maj=13.7km s-min=7.5km az=48.0

ISC 02 23:10:42.9, 0.5, 2.85N, 0.08, 96.31E, 0.08, h26km, h26km, 6km; p-P, n73, t18/18/69, mb4.5/36, MS4.0/1, 1C-2D, Northern Sumatra

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Lists various seismic stations and their recorded data.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Lists various seismic stations and their recorded data.

IDC 02 23:32:44.9, 7.6, 9.67N, 93.38E, mb3.3/3, mb1 3.5/3, mb1mx3.3/17, mbtmp3.3/3, Error ellipse: s-maj=40.0km s-min=29.9km az=59.0, Nicobar Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Lists various seismic stations and their recorded data.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Lists various seismic stations and their recorded data.

Table with columns: PSZ, comp, station name, time, and other parameters. Includes stations like PSZ, KWP, ULM, AKASG, etc.

Table with columns: HWUT, HLID, HLID, station name, time, and other parameters. Includes stations like HWUT, HLID, HLID, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, and other parameters. Includes stations like MKAR, ZAL, BORG, etc.

IDC 02 23:52:16.4z:1.8, 1.38N-97.01E, h42km, mb3.8/5, mb1mx3.5/15, mbtmt3.9/3.9, Error ellipse: s-maj=68.8km s-min=20.5km az=55.0, Northern Sumatera



Table with columns: Call Sign, Station Name, Frequency, Class, Power, and other technical details. Includes stations like Puerto La Cruz, Bella Bella, Dushan, etc.

Table for LZH Anzhou, KMI Kunming, WRA Warramunga Arr, CTA Charters Tower, ASAR Alice Springs. Includes frequency, class, and power.

KRSC 03.00:03.50.1.0, 4.9, 49.67N x 155.88E, h61km, 24km, ML3.8, Kuril Islands

Table for Kuril Islands stations including SKR Severo-Kuril's, ALID Alaid, PAU Puzhetka, etc.

IDC 03.00:11:16.4a.5.2, 10.56S x 165.99E, h194km, 47km, mb3.9/10, mb1.4, 1/11, mb1mx4.0/18, mbtmp4.5/11, Error ellipse: s-maj=25.5km s-min=21.6km az=10.0

NEIC 03.00:11:16.4a.0.5, 10.62S x 166.05E, h200km, mb4.5/6, Error ellipse: s-maj=11.5km s-min=9.1km az=103.0

ISC 03.00:11:18.4a.3.6, 10.95S x 166.1E, 0.1, h235km, 36km, n27, -086/26, mb4.2/14, 2D, Santa Cruz Islands

Main table for Santa Cruz Islands stations including DZM Mont Dzumac, NOUC Port Laguerre, CTA Charters Tower, STKA Stephens Creek, etc.

Table for JTS JuntasAbangare, JTS JuntasAbangare, JTS Tepich, etc. Includes frequency, class, and power.

ATH 03.00:39:21.6, 38.95N x 23.21E, h4km, MD2.9/7, ML3.0, NEIC 03.00:39:21.4, 38.95N x 23.23E, h7km, MD2.9(ATH), After ATH

CSEM 03.00:39:21.3, 0.1, 38.97N x 23.15E, h12km, MD2.9, Error ellipse: s-maj=6.4km s-min=2.8km az=88.0

ISC 03.00:39:20.9, 0.6, 38.94N x 0.03, 23.22E, 0.08, h4km, n10, 0.65/12, Greece

Table for Greece stations including LKR Lokris, NEO Neokhori, MPAR Parnis Oros, etc.

BUI 03.00:51:54.8, 1.00N x 97.20E, h23km, mb4.9, mb4.9, IDC 03.00:51:56.5, 1.1, 0.96N x 97.05E, h22km, 4km, mb3.9/10, mb1.4/10, mb1mx3.8/18, mbtmp4.0/10, Error ellipse: s-maj=55.1km s-min=12.6km az=55.0

NEIC 03.00:51:56.8, 0.5, 1.00N x 97.19E, mb4.4/9, Error ellipse: s-maj=15.7km s-min=7.7km az=56.0

ISC 03.00:51:55.0, 0.6, 1.00N x 0.08, 97.17E, 0.08, h23km, h23km, 8km, pP, n31, 0.67/29, mb4.3/20, 1C, Northern Sumatera

Main table for Northern Sumatera stations including IPM Ipoh, KULM Kluang, KGM Kluang, KMI Kunming, etc.





SSE	comp=E,10um,17.7s,MS6.1	LR	LR		
SSE	comp=Z,30um,17.3s,MS6.2	LR	LR		
SSE	Sheshan 37.44 33 P	P	P	01 06 33.0 +0.4	
SSE	comp=Z,139nm,1.1s,mb5.7	pP	pP	01 06 42.0 -1.3	
SSE		sP	sP	01 06 46.0 -2.1	
SSE		PP	PP	01 07 59.4 -1.6	
SSE		S	S	01 12 20.3 +2.3	
SSE		SS	SS	01 12 35.5 +2.3	
SSE		SS	SS	01 15 04.0 +1.2	
SSE		LR	LR		
NWAO	comp=Z,30um,17.3s,MS6.2				
NWAO	Narogin (SRO) 37.62 154 eP	P	P	01 06 35.0 +0.9	
NWAO	comp=Z,74nm,1.0s	pmax	pmax		
NWAO		MLR	MLR		
NWAO	comp=Z,19um,22.0s				
NWAO	Narogin (SRO) 37.62 154 P	P	P	01 06 32.3 -1.8	
NWAO	comp=Z,56nm,1.0s,mb5.2,baz=316,slow=9.7,SNR=9.8	LR	LR	01 19 55.8	
NWAO	Narogin (SRO) 37.62 154 eP	P	P	01 06 35.0 +0.9	
NWAO	comp=Z,74nm,1.0s,mb5.4	LR	LR		
NWAO	comp=Z,19um,22.0s,MS5.8	LR	LR		
PONG	Pong 37.86 328 eP	P	P	01 06 36.0 -0.1	
DLH	Dalhousie 38.31 329 eP	P	P	01 06 40.0 +0.2	
DLH		e	e	01 07 10.0	
THN	Thein Dam 38.36 328 eP	P	P	01 06 38.9 -1.3	
THN		e	e	01 12 38.0	
GTA	Gaotai 38.86 21 iP	P	P	01 06 44.7 +0.4	
GTA		AP	AP	01 06 55.3 +0.2	
GTA		XP	XP	01 06 58.8 -1.1	
GTA		PP	PP	01 08 19.1 +1.6	
GTA		SCP	SCP	01 12 40.4	
GTA		ScS	ScS	01 16 48.9 0.0	
GTA		AMB	AMB		
GTA	comp=Z,170nm,1.0s,mb5.7	AMB	AMB		
GTA	comp=Z,3um,9.5s	LR	LR		
GTA	comp=N,17um,15.2s,MS6.1	LR	LR		
GTA	comp=E,13um,15.2s,MS6.1	LR	LR		
GTA	comp=Z,15um,15.2s,MS5.9	LR	LR		
JOW	Kunigami 38.98 45 P	P	P	01 06 45.0 -0.4	
JOW	comp=Z,92nm,0.9s,mb5.5,baz=248,slow=7.6,SNR=9.0	LR	LR	01 24 02.8	
TIV	Taiyuan 39.35 18 iP	P	P	01 06 50.0 +1.6	
TIV		LR	LR		
TIA	Tai'an 39.68 24 iP	P	P	01 06 51.3 +0.1	
TIA		S	S	01 12 50.1 -1.7	
TIA		AMB	AMB		
TIA	comp=Z,249nm,1.2s,mb5.8	AMB	AMB		
TIA	comp=Z,3um,7.0s	LR	LR		
TIA	comp=N,9um,16.0s,MS6.0	LR	LR		
TIA	comp=E,18um,16.0s,MS6.0	LR	LR		
WRA	Warramunga Arr 40.64 122 P	P	P	01 06 57.3 -2.0	
WRA		S	S	01 13 00.7 -5.6	
WRA		P	P	01 06 57.3 -2.0	
WRA	Warramunga Arr 40.64 122 P	P	P	01 06 57.3 -2.0	
WRA	comp=E,28nm,0.8s,mb5.0,baz=299,slow=9.0,SNR=13.1	PcP	PcP	01 09 01.2 -0.1	
WRA	comp=E,17nm,0.8s,baz=314,slow=2.6,SNR=6.4	pP	pP	01 09 14.1	
WRA	comp=E,17nm,0.8s,baz=312,slow=2.5,SNR=5.6	S	S	01 13 00.7 -5.6	
WRA	comp=E,21nm,1.1s,baz=292,slow=17,SNR=9.6	S	S	01 13 00.7 -5.6	
WRAB	Tennant Creek 40.65 122i eP	P	P	01 06 57.4 -1.9	
WRAB	comp=Z,125nm,0.8s,mb5.6	pmax	pmax		
WRAB	comp=Z,4um,20.0s,MS5.3	MLR	MLR		
WRAB	Tennant Creek 40.65 122i eP	P	P	01 06 57.4 -1.9	
WRAB	comp=Z,125nm,0.8s,mb5.6	LR	LR		
WRAB	comp=Z,4um,20.0s,MS5.3	LR	LR		
WB2	Warramunga Arr 40.65 122i eP	P	P	01 06 57.3 -2.1	
WB2		eS	eS	01 12 50.3 -1.6	
BTO	Baotou 41.41 13 eP	P	P	01 07 06.7 +1.3	
BTO		S	S	01 13 20.9 +3.3	
BTO		AMB	AMB		
FORT	Forrest 41.93 140 eP	P	P	01 07 11.1 +1.3	
ASPA	Alice Springs 42.00 127 iP	P	P	01 07 09.2 -1.3	
ASPA		eS	eS	01 13 21.3 -5.2	
ASAR	Alice Springs 42.00 127 P	P	P	01 07 09.2 -1.3	
ASAR	comp=Z,28nm,0.8s,mb5.0,baz=299,slow=7.7,SNR=15.6	PcP	PcP	01 09 06.0 +0.2	
ASAR	comp=Z,26nm,0.8s,baz=296,slow=3.1,SNR=8.6	iP	iP	01 09 17.6	
ASAR	comp=Z,18nm,0.8s,baz=307,slow=2.4,SNR=4.0	S	S	01 13 23.1 -3.4	
ASAR	comp=Z,11nm,1.1s,baz=292,slow=15,SNR=5.0	LR	LR	01 26 15.4	
ASAR	comp=Z,6um,20.3s,MS5.5,baz=300,slow=38	PKPPK	PKPPK	01 39 06.5	
HHC	Hu-ho-hao-te 42.02 15 iP	P	P	01 07 11.4 +0.9	
HHC		AP	AP	01 07 22.2 +0.8	
HHC		XP	XP	01 07 25.5 0.5	
HHC		PP	PP	01 08 57.6 +6.6	
HHC		SCP	SCP	01 12 52.9	
HHC		PCS	PCS	01 12 57.2	
HHC		XS	XS	01 13 28.3 +1.7	
HHC		SS	SS	01 13 43.9	
HHC		SS	SS	01 16 31.1 +2.1	
HHC		ScS	ScS	01 17 08.3 +0.7	
HHC		AMB	AMB		
HHC	comp=Z,242nm,1.4s,mb5.6	LR	LR		
HHC	comp=N,41um,17.6s,MS6.4	LR	LR		
HHC	comp=E,13um,17.2s,MS6.4	LR	LR		
HHC	comp=Z,41um,16.5s,MS6.4	LR	LR		
BJT	Baijiatou 42.66 20 iP	P	P	01 07 17.1 +1.4	
BJT		pmax	pmax		
BJT	comp=Z,633nm,1.0s				
BJT	Baijiatou 42.66 20 iP	P	P	01 07 17.1 +1.4	
BJT	comp=Z,633nm,1.0s,mb5.3	P	P	01 07 17.2 +1.3	
BJT		S	S	01 13 40.9 +4.6	
BJT		AMB	AMB		
BJT	comp=Z,618nm,1.0s,mb6.3	AMB	AMB		
BJT	comp=Z,5um,5.4s	LR	LR		
BJT	comp=N,14um,20.1s,MS6.0	LR	LR		
BJT	comp=E,11um,19.2s,MS6.0	LR	LR		
BJT	Beijing 42.68 20 P	P	P	01 07 17.2 +1.3	
BJT	comp=E,618nm,1.0s,mb6.3	S	S	01 13 40.9 +4.6	
BJT		SS	SS	01 16 57.9 +1.7	
BJT		LR	LR		
BJT	comp=Z,110nm,21.9s				
DL2	Dalian 43.87 26 iP	P	P	01 07 26.5 +0.9	
DL2		XP	XP	01 07 40.8 -0.4	
DL2		S	S	01 13 59.4 +5.7	
DL2	comp=Z,300nm,1.2s,mb5.9	AMB	AMB		
DL2	comp=Z,1um,5.7s	AMB	AMB		
DL2	comp=N,6um,21.3s,MS5.6	LR	LR		
DL2	comp=E,5um,18.0s,MS5.6	LR	LR		
DL2	comp=Z,3um,21.2s,MS5.7	LR	LR		
KSH	Kashi 43.98 335 iP	P	P	01 07 26.0 -0.4	
KSH		AP	AP	01 07 33.5 -3.9	
KSH		PP	PP	01 09 10.0 -0.5	
KSH		PCP	PCP	01 10 13.0 +0.7	
KSH		SCP	SCP	01 13 01.5	

KSH		PCS	PCS	01 13 04.5	
KSH		S	S	01 13 54.9 -0.3	
KSH		AMB	AMB		
KSH	comp=Z,3um,5.3s	LR	LR		
KSH	comp=N,12um,18.2s,MS6.0	LR	LR		
WBK	Wadi Bani Khai 44.20 303 iP	P	P	01 07 29.3 +0.8	
WMQ	Urumqi 44.27 349 iP	P	P	01 07 29.9 +1.2	
WMQ		AP	AP	01 07 40.1 +0.4	
WMQ		XP	XP	01 07 44.1 -0.2	
WMQ		PP	PP	01 09 14.6 +1.2	
WMQ		PPP	PPP	01 09 53.2 +0.9	
WMQ		SCP	SCP	01 13 02.0	
WMQ		PCS	PCS	01 13 05.9	
WMQ		S	S	01 14 01.1 +1.7	
WMQ		XS	XS	01 14 17.6	
WMQ		SS	SS	01 17 11.0 +1.2	
WMQ		ScS	ScS	01 17 23.3 +1.9	
WMQ		AMB	AMB		
WMQ	comp=Z,324nm,1.2s,mb5.9	AMB	AMB		
WMQ	comp=Z,4um,6.0s	LR	LR		
WMQ	comp=N,11um,20.0s,MS5.9	LR	LR		
WMQ	comp=E,8um,15.6s,MS5.9	LR	LR		
JMDO	Jabal Madar 44.83 302 iP	P	P	01 07 34.1 +0.6	
SMDO	Samad 45.16 303 iP	P	P	01 07 36.9 +0.8	
SMDO	SNR=24	P	P	01 07 35.3 -1.1	
INCN	Inchon 45.21 32 eP	P	P	01 07 35.3 -1.1	
INCN	comp=Z,161nm,1.3s,mb5.7	LR	LR		
INCN	comp=Z,24um,20.0s,MS6.1	LR	LR		
BIDO	Bidbid 45.28 303 iP	P	P	01 07 37.8 +0.7	
SHAO	Shalim 45.48 295 iP	P	P	01 07 39.7 +1.0	
SHAO	SNR=22	P	P	01 07 41.7 +0.9	
BSY	BSiya 45.75 302 iP	P	P	01 07 44.7 +0.8	
ULHL	Ulahol 46.17 337 P	P	P	01 07 47.2 +1.3	
KZA	Kyzart 46.42 336 P	P	P	01 07 47.2 +1.3	
KZA	SNR=150	P	P	01 07 48.3 +1.1	
ARQ	Araqi 46.55 302 iP	P	P	01 07 48.3 +1.1	
RBK	Rabkut 46.62 294 iP	P	P	01 07 48.1 +0.4	
RBK	SNR=28	P	P	01 14 38.0 +2.6	
AAA	Alma-Ata 46.79 339 iP	P	P	01 07 49.0 +0.3	
AAA		S	S	01 14 38.0 +2.6	
AAA		pmax	pmax		
AAA	comp=Z,3um,6.0s	smax	smax		
AAA	comp=E,4um,9.0s	MLR	MLR		
AAA	comp=Z,4um,20.0s,MS5.4	MLR	MLR		
UCH	Uchtor 46.85 336 P	P	P	01 07 50.5 +1.3	
UCH	SNR=466	P	P	01 07 51.4 +1.0	
TKM2	Tokmak 2 47.00 337 P	P	P	01 07 51.4 +1.0	
KBK	Karagaybulak 47.03 336 P	P	P	01 07 52.1 +1.5	
AML	Almayashu 47.11 335 P	P	P	01 07 52.5 +1.3	
AML	SNR=205	P	P	01 07 50.8 -0.5	
SNY	Shenyang 47.12 26 iP	P	P	01 08 00.3 -1.9	
SNY		AP	AP	01 08 05.7 -1.2	
SNY		XP	XP	01 09 43.4 +1.7	
SNY		PP	PP	01 14 39.9 -0.1	
SNY		PP	PP		
SNY		AMB	AMB		
SNY	comp=Z,110nm,1.2s,mb5.7	AMB	AMB		
SNY	comp=Z,2um,6.1s	LR	LR		
SNY	comp=N,14um,23.4s	LR	LR		
SNY	comp=E,10um,16.2s	LR	LR		
SNY	comp=Z,19um,21.1s,MS6.0	LR	LR		
WHFO	Wadi Hawi 47.13 294 iP	P	P	01 07 51.6 -0.1	
AAK	Ala-Archa 47.19 336 P	P	P	01 07 53.0 +1.1	
AAK	SNR=69	P	P	01 07 52.6 +0.7	
AAK	Ala-Archa 47.19 336 P	P	P	01 07 51.8 -0.1	
AAK	comp=Z,309nm,1.0s,mb5.7	iP	iP	01 09 37.1	
AAK	Ala-Archa 47.19 336 iP	P	P	01 07 51.8 -0.1	
AAK	comp=Z,149nm,0.9s,mb5.9	pmax	pmax		
AAK	comp=Z,149nm,0.9s,mb5.9	pmax	pmax		
AAK	comp=Z,3um,22.0s,MS5.2	MLR	MLR		
AAK	Ala-Archa 47.19 336 iP	P	P	01 07 51.8 -0.1	
AAK	comp=Z,149nm,0.9s,mb5.9	eP	eP	01 07 56.1 -6.8	
AAK		ePP	ePP	01 09 37.1 -5.3	
AAK		LR	LR		
FRU	Bishkek 47.31 336 eP	P	P	01 07 54.0 +1.1	
FRU		iP	iP	01 09 45.0	
FRU		eS	eS	01 14 47.0 +4.2	
FRU		eSS	eSS	01 17 47.0 +6.1	
FRU		pmax	pmax		
FRU	comp=Z,720nm,2.6s,mb6.1	pmax	pmax		
FRU	comp=Z,3um,8.0s	MLR	MLR		
FRU	comp=Z,17um,22.0s,MS6.0	MLR	MLR		
CHMS	Chumysh 47.40 336 P	P	P	01 07 53.8 +0.3	
CHMS	SNR=25	P	P	01 07 54.1 +0.2	
ABTO	Aybut 47.41 293 iP	P	P	01 07 54.8 +0.3	
ABTO	SNR=30	P	P	01 07 55.5 +1.1	
ASHO	Ashiyah 47.48 304 iP	P	P	01 07 56.6 +0.6	
ASHO	SNR=53	P	P	01 07 57.2 +0.8	
EKS2	Erkin-Say 47.51 335 P	P	P	01 07 57.5 +0.6	
USP	Ospenovka 47.72 336 P	P	P	01 07 57.2 +0.8	
SOMN	Somnig Array 47.77 7 P	P	P	01 09 25.3 -0.1	
SOMN	comp=Z,182nm,1.0s,mb6.0,baz=193,slow=7.1,SNR=380	PcP	PcP	01 09 39.5	
SOMN	comp=Z,56nm,0.9s,baz=192,slow=4.0,SNR=3.2	LR	LR	01 30 33.5	
SOMN	comp=Z,84nm,1.0s,baz=178,slow=3.1,SNR=3.8	LR	LR	01 39 06.8	
SOMN	comp=Z,36um,18.5s,MS6.4,baz=192,slow=39	PKPPK	PKPPK	01 07 57.5 +0.6	
SOMN	comp=Z,1.3nm,1.0s,baz=315,slow=1.2,SNR=5.0	iP	iP	01 07 58.0 +0.7	
BANOM	Banah 47.89 306 iP	P	P	01 09 25.9 +0.1	
ULN</					







Table with columns for station call letters, station name, frequency, and other details. Includes stations like VNA1, Neumayer Olymp, Eskdalemuir Ar, etc.

Table with columns for station call letters, station name, frequency, and other details. Includes stations like LTIM, MSO, MOD, CHMT, etc.

Table with columns for station call letters, station name, frequency, and other details. Includes stations like WUAZ, NCB, SDCO, CAMA, etc.







Table of astronomical observations for stations 3d 1h. Columns include station name, coordinates, elevation, and observation details.

Table of astronomical observations for stations 2005 APR. Columns include station name, coordinates, elevation, and observation details.

Table of astronomical observations for stations 108. Columns include station name, coordinates, elevation, and observation details.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations in the 109 MHz band.

Main table listing station call signs, frequencies, and technical parameters for various stations across the 2005 APR band.

Table listing station call signs, frequencies, and technical parameters for stations in the 3d 2h band.















Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MTE Manteigas, PCBR Castelo Branco, MENT Mentasta, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MWL Mount Wilson, RWY Rawlins, ARUT Antelope Range, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like LPAZ La Paz, ARE Arequipa, SDV Santo Domingo, etc.

0.6m, 0.6s, mb3.5, baz=135, slow=8.4, SNR=6.3
CHKZ Chkalovo 77.20 330 eP P 04 05 27.7 +0.4

NEIC 03 03:54:48.7, 16.46N:101.14W, h16km, MD3.9(MEX), After MEX
MEX 03 03:54:48.7-0.7, 16.46N:101.14W, h15km, 28km, MD3.9, 3C, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include CAIG El Cayaco, ZIIG Zihuatanejo, ACX Acapulco, etc.

BJI 03 04:06:41.7, 1.83N:96.16E, h41km, mb5.2, mb5.0, Ms4.9, Msz4.5

MOS 03 04:06:45.5-1.1, 2.36N:96.22E, h33km, mb4.9/20, Error ellipse: s-maj=16.5km s-min=7.8km az=100.2

IDC 03 04:06:46.3-0.6, 2.48N:96.32E, h21km, mb3.9, mb4.3/15, mb1.4/15, mb1mx4.3/18, mbtmp4.4/15, Error ellipse: s-maj=27.0km s-min=11.7km az=45.0

NEIC 03 04:06:46.4-0.3, 2.37N:96.22E, mb4.9/21, Error ellipse: s-maj=8.9km s-min=4.9km az=223.0

ISC 03 04:06:44.8-0.4, 2.40N:0.06:96.25E:0.05, h26km, h22km, 1.9km, pP-P, n94, c0:96/96, mb4.7/52, MS4.8/3, 7C-2D, Northern Sumatra

Main table for station data on the left side, including IPM Ipho, KULM Kulim, SNG Songkhla, etc.

Main table for station data in the middle, including HHC comp=N,553nm,18.1s,MS4.6, BJT Baijiatuu, BJI Beijing, WMQ Urumqi, etc.

Main table for station data on the right side, including ARCES GERES Array B, INK Inuvik, TXAR Lajitas Array, etc.













Table with columns: MKAR, Makanchi Array, 43.06 302 P, P, 08 49 54.6 -0.7, etc. Includes stations like Kurchatov, Chkalovo, Borovoye Array, etc.

Table with columns: DZM, Mont Dzumac, 7.27 185 eP, P, 08 55 56.3 -0.6, etc. Includes stations like Honiara, Charters Tower, Urewera, etc.

MOS 03 09:04:23.9 1.2 1.25N-97.30E, h33km, mb4.77, Error ellipse: s-maj=25.3km s-min=11.3km az=99.4, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like mb3.97/Northern Sumatera, Kulim, etc.

JMA 03 09:20:04.2, 37.21N:139.94E, h5km, 1km, M0.4, Eastern Honshu

NIED 03 09:20:00.37, 20N:139.90E, h8km, Mw3.7 Best double couple: M4.04x10^14 NP1, etc.

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

IDC 03 09:24:03.0 1.2, 2.86S:129.12E, mb3.9/5, mb1 4.2/7, etc.

NEIC 03 09:24:04.1 0.7, 2.80S:129.39E, h10km, mb4.1/4, Error ellipse: s-maj=27.6km s-min=8.8km az=74.0, etc.

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

DJA 03 09:35:01.1 1.1, 0.925S:113.88E, h33km, MD4.7/3, ML4.3/2, 4C-3D, Error ellipse: s-maj=22.8km s-min=13.5km az=47.0, South of Jawa

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

NEIC 03 09:43:40.9 0.8, 2.126S:68.22W, h123km, 9km, Error ellipse: s-maj=26.1km s-min=11.0km az=113.0, etc.

GUC 03 09:43:40.0 0.6, 2.126S:68.82W, h134km, 11km, ML3.2, etc.

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

IDC 03 08:45:15.8 1.8, 19.21N:64.18W, mb3.3/3, mb1 3.7/6, etc.

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

JMA 03 08:50:03.1, 37.20N:139.94E, h5km, 1km, M0.6, Eastern Honshu

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

IDC 03 08:54:12.3 3.1, 14.64S:167.15E, h183km, 24km, mb3.7/7, etc.

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

IDC 03 09:16:52.4 3.5, 0.03N:96.90E, mb3.9/6, mb1 4.1/6, etc.

NEIC 03 09:16:57.8 0.8, 0.20N:97.16E, h30km, mb4.4/1, Error ellipse: s-maj=24.6km s-min=10.9km az=66.0, etc.









Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WMQ, DL2, ULHL, AAK, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like GNI, YSS, SVE, YAK, etc.

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

1.0nm, 1.0s, mb3.8  
 CHXZ e pP 12 20 48.3 -0.6  
 TXAR Lajitas Array 144.45 32 PKP PKPdf 12 30 25.7 -4.0  
 0.3nm, 0.5s, bsz=255, slow=0.8, SNR=6.3  
 TXAR Lajitas Array 144.45 32 PKP PKPdf 12 30 25.7 -4.1

IDC 03 12:21:15.6:0.5, 3.03N-96.40E, mb4.7/17, mb1 4.8/17, mb1mx4.8/19, mbtmp4.7/17, MS4.4/21, Ms1 4.4/21, ms1mx4.2/33, Error ellipse: s-maj=2.5km s-min=12.2km az=51.0  
 BUJ 03 12:21:15.5:2.41N:96.37E, h42km, mb5.2, mb4.9, Ms5.0, Ms24.8  
 MOS 03 12:21:19.2:0.9, 3.04N-96.34E, h33km, mb5.2/45, MS4.7/13, Error ellipse: s-maj=9.8km s-min=5.1km az=119.9  
 HRVD 03 12:21:20.4:0.3, 2.89N-96.32E, h18km, Mw5.1/62, Centroid moment Tensor Solution. LP body waves: s29,c47,Mantle waves: s62,c102; Half duration: 0 Moment tensor: Scale 10<sup>16</sup>Nm; Ms5.30±.22; Mw=1.2±.13; Mo=4.0±.17; Mo0.74±.33; Mo=2.13±.10; Mw1.68±.35; Best double couple: Ms5.564×10<sup>16</sup> NP1: 0±210°, 635°, 192°. NP2: 0±27°, 655°, 188°. Principal axes: T 5.614, P1g80°, Azm290°; N-.099, P1g1°, Azm28°; P-5.515, P1g10°, Azm118°; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s.  
 NEIC 03 12:21:20.4:0.2, 2.97N-96.28E, h33km, mb5.0/45 Error ellipse: s-maj=6.2km s-min=3.8km az=221.0  
 ISC 03 12:21:18.9:0.2, 2.98N-0.04, 96.32E, 0.03, h32km, h32km, 9km; p-P, n247, s106/243, mb5.0/86, MS4.6/42, 19C-14D, Northern Sumatara

Code	Station Name	A°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
KULM	Kulim	4.89	62	eP	Pn	12 22 34.1	+1.8
IPM	Ipoh	4.96	71	P	Pn	12 22 35.3	+1.8
KGM	Kluang	7.06	98	P	Pn	12 24 30.4	+1.5
NNT	Nongplab	10.13	19	P	P	12 24 02.5	+1.7
PENI	Pendang	12.26	134	eP	P	12 24 07.6	-6.8
PENI	comp=Z,273nm,0.5s			pmax	pmax		
PENI	Pendang	12.26	134	eP	P	12 24 07.6	-6.8
PENI	comp=Z,273nm,0.5s						
PULI	Pulasari	13.37	134	iP	P	12 24 23.5	-5.7
KSM	Kuching	14.06	96	eP	P	12 24 39.3	+0.9
KSM	comp=Z,179nm,0.6s						
KKTK	Khon Kaen	14.74	25	P	P	12 24 47.6	
PALK	Pallekele	16.12	286	eP	P	12 24 53.0	+5.8
NANT	Nan	16.30	15	P	P	12 25 09.1	+4.0
NANT	comp=Z,239nm,0.9s						
MDRS	Chennai	18.79	303	eP	P	12 25 10.0	+2.7
MDRS	e					12 29 16.0	
MDRS	e					12 29 03.0	
MDRS	e					12 40 02.0	
WIS	Vishakhapatnam	19.42	320	eP	P	12 25 46.3	+0.7
WIS	e					12 26 00.0	
TRD	Trivandrum	20.02	287	e	P	12 25 46.2	-6.0
BWNR	Bhubaneswar	20.04	330	eP	P	12 25 53.6	+1.3
BWNR	e					12 26 03.2	
KKM	Kota Kinabalu	20.07	81	eP	P	12 25 53.3	+0.6
KKM	Kota Kinabalu	20.07	81	P	P	12 25 54.7	+2.0
QIZ	Qiongzong	20.73	39	S	S	12 26 00.1	+1.3
QIZ	e					12 25 45.8	+1.5
QIZ	comp=N,2um,14.6s,MS4.7			LR	LR		
QIZ	comp=E,2um,15.4s,MS4.7			LR	LR		
QIZ	comp=Z,2um,12.3s,MS4.7			LR	LR		
TSM	Tawau	21.55	86	P	P	12 26 08.8	+0.9
HYB	Hyderabad	22.58	311	eS	S	12 26 19.0	+0.8
HYB	e					12 36 40.0	+2.1
HYB	Hyderabad	22.58	311	P	P	12 26 19.0	+0.8
KEDI	Kedondong	22.79	120	iP	P	12 26 19.6	-0.7
KEDI	comp=Z,33nm,0.5s,mb5.0			pmax	pmax		
KEDI	Kedondong	22.79	120	iP	P	12 26 19.6	-0.7
KEDI	comp=Z,33nm,0.5s,mb5.0						
SHL	Shilong	22.86	350	eP	P	12 26 19.0	-1.9
SHL	e					12 30 27.0	
KMI	Kunming	22.87	15	P	P	12 26 24.8	+3.8
KMI	AP					12 26 36.7	
KMI	KMI			AMB	AMB		
KMI	comp=Z,10.0nm,0.8s,mb4.3			AMB	AMB		
KMI	comp=Z,147nm,6.8s			LR	LR		
KMI	comp=N,3um,14.4s,MS5.0			LR	LR		
KMI	comp=E,2um,16.6s,MS5.0			LR	LR		
KMI	comp=Z,3um,13.6s,MS4.9			LR	LR		
KMI	Kunming	22.87	15	P	P	12 26 24.8	+3.8
KMI	comp=Z,10.0nm,0.8s,mb4.3			pP	pP	12 26 33.0	
KMI	SP			PP	PP	12 26 36.7	
KMI	PP			PP	PP	12 27 00.6	+1.0
KMI	S			SS	SS	12 30 38.7	+1.5
KMI	SS			SS	SS	12 30 53.0	
KMI	SS			SS	SS	12 31 37.6	+2.9
KMI	LR			LR	LR		
MNGI	Mangalore	23.45	296	e	P	12 26 22.0	-4.7
MNGI	e					12 30 50.3	
BLSP	Bilaspur	23.50	325	e	P	12 26 25.4	-1.7
BLSP	e					12 26 41.5	
TANI	Tanete Lijupang	23.92	105	eP	P	12 26 32.3	+1.0
NINI	Niniconang	24.55	107	eP	P	12 26 38.3	+0.9
BUNI	Buntu Taipa	24.88	105	eP	P	12 26 42.0	+1.4
GYA	Guyang	25.37	22	P	P	12 26 45.7	+0.6
GYA	AP			pP	pP	12 26 54.6	+0.2
GYA	XP			sP	sP	12 26 58.9	+0.2
GYA	PP			PP	PP	12 27 29.4	+5.2
GYA	AMB			AMB	AMB		
GYA	comp=Z,20nm,1.0s,mb4.6			AMB	AMB		
GYA	comp=Z,310nm,5.7s			LR	LR		
GYA	comp=N,1um,15.2s,MS4.7			LR	LR		
GYA	comp=E,1um,16.1s,MS4.7			LR	LR		
GYA	comp=Z,2um,16.4s,MS4.7			LR	LR		
JIRI	Jiri	26.38	339	eP	P	12 26 54.4	-0.1
PKI	Pulchoki	26.59	338	eP	P	12 26 56.5	+0.2
PKI	comp=Z,26nm,0.6s,mb4.9			pmax	pmax		
PKI	Pulchoki	26.59	338	eP	P	12 26 56.5	+0.2
PKI	comp=Z,39nm,0.7s,mb5.1						
KKN	Kakani	26.83	338	eP	P	12 26 58.2	-0.4
KKN	comp=Z,20nm,0.7s,mb4.8			pmax	pmax		
KKN	Kakani	26.83	338	eP	P	12 26 58.2	-0.4
KKN	comp=Z,20nm,0.7s,mb4.8						
POO	Poona	26.89	307	eP	P	12 27 01.0	+1.8
LSA	Lhasa	27.03	350	P	P	12 27 00.1	-0.3
LSA	Lhasa	27.03	350	eP	P	12 26 59.9	-0.5
LSA	comp=Z,19nm,0.6s,mb4.8			pmax	pmax		
LSA	Lhasa	27.03	350	eP	P	12 26 59.9	-0.5
LSA	comp=Z,19nm,0.6s,mb4.8						
BHPL	Bhopal	27.21	319	eP	P	12 27 02.5	+0.4
BHPL	e					12 27 16.8	
GKN	Gorkha	27.27	337	eP	P	12 27 02.4	-0.2
KOLD	Koldanda	27.48	335	eP	P	12 27 05.0	+0.5
KOLN	Koln	29.88	23	eP	P	12 27 24.0	-2.1
ENH	Enshi	29.88	23	eP	P	12 27 24.0	-2.1
ENH	comp=Z,12nm,0.6s,mb4.8						

LGTI	Lohaghat	30.43	332	iP	P	12 27 31.3	+0.3
PTH	Pithoragarh	30.53	332	eP	P	12 27 32.8	+1.0
NWD	New Delhi	31.37	326	e	P	12 27 30.0	-2.3
DDI	Dehra Dun	32.23	329	eP	P	12 27 45.9	+0.2
XAN	Xi'an	33.07	19	S	S	12 27 56.2	-1.8
XAN	AMB			AMB	AMB	12 33 10.2	+0.6
XAN	comp=Z,20nm,0.7s,mb5.2			LR	LR		
XAN	comp=N,1um,13.1s,MS4.8			LR	LR		
XAN	comp=E,680nm,13.4s,MS4.8			LR	LR		
XAN	comp=Z,2um,12.6s,MS5.0			LR	LR		
MBWA	Marble Bar	33.19	137	eP	P	12 27 54.3	-0.8
MBWA	comp=Z,0nm,0.7s,mb4.8						
LZH	Lanzhou	33.67	11	iP	P	12 27 58.5	-0.7
LZH	AP			pP	pP	12 28 07.8	+0.9
LZH	XP			sP	sP	12 28 11.6	-1.2
LZH	PP			PP	PP	12 29 11.7	-0.6
LZH	eS			eS	eS	12 33 18.4	-0.6
LZH	AMB			AMB	AMB		
LZH	comp=Z,42nm,1.5s,mb5.2			AMB	AMB		
LZH	comp=Z,201nm,8.2s			LR	LR		
LZH	comp=N,908nm,12.7s			LR	LR		
LZH	comp=Z,1um,16.7s,MS4.7			LR	LR		
LZH	Lanzhou	33.67	11	iP	P	12 27 58.5	-0.7
LZH	comp=Z,42nm,1.5s,mb5.2			pP	pP	12 28 07.8	+0.9
LZH	sP			sP	sP	12 28 11.6	-1.2
LZH	PP			PP	PP	12 29 11.7	-0.6
LZH	eS			eS	eS	12 33 18.4	-0.6
LZH	SS			SS	SS	12 35 25.6	+0.8
LZH	LR			LR	LR		
DLT	Dalhousie	35.07	329	eP	P	12 28 11.0	-0.3
FLH	Fitzroy Crossi	35.69	127	eP	P	12 28 14.9	-1.8
FITZ	Fitzroy Crossi	35.69	127	P	P	12 28 15.3	-1.4
FITZ	comp=Z,12nm,0.5s,mb5.1						
FITZ	Fitzroy Crossi	35.69	127	P	P	12 28 15.3	-1.4
FITZ	comp=Z,13nm,0.5s,mb5.2,baz=322,slow=4.7,SNR=47			LR	LR	12 46 11.8	
NJ2	Nanjing	35.85	34	eP	P	12 28 16.2	-1.7
NJ2	AP			pP	pP	12 28 26.9	-0.6
NJ2	XP			sP	sP	12 28 29.5	-2.9
NJ2	S			S	S	12 33 47.0	-5.8
NJ2	AMB			AMB	AMB		
NJ2	comp=Z,40nm,1.0s,mb5.3			AMB	AMB		
NJ2	comp=Z,1um,6.4s			LR	LR		
NJ2	comp=N,2um,18.9s,MS5.2			LR	LR		
NJ2	comp=E,4um,20.4s,MS5.2			LR	LR		
NJ2	comp=Z,1um,12.0s			LR	LR		
GTA	Gaotai	36.40	5	P	P	12 28 22.4	-0.1
GTA	AP			pP	pP	12 28 31.2	-0.8
GTA	XP			sP	sP	12 28 36.0	0.0
GTA	PP			PP	PP	12 29 48.5	+1.8
GTA	PcP			PcP	PcP	12 34 06.4	+5.2
GTA	S			S	S	12 38 36.2	+1.9
GTA	ScS			ScS	ScS		
GTA	AMB			AMB	AMB		
GTA	comp=Z,26nm,0.8s,mb5.2			AMB	AMB		
GTA	comp=Z,185nm,9.9s			LR	LR		
GTA	comp=N,729nm,14.8s,MS4.7			LR	LR		
GTA	comp=E,577nm,12.9s,MS4.7			LR	LR		
GTA	comp=Z,841nm,15.2s,MS4.6			LR	LR		
SSE	Sheshan	36.51	37	P	P	12 28 21.3	-2.2
SSE	AP			pP	pP	12 28 30.0	-3.0
SSE	XP			sP	sP	12 28 46.3	+1.6
SSE	S			S	S	12 34 01.8	-1.1
SSE	AMB			AMB	AMB		
SSE	comp=Z,18nm,0.7s,mb5.0			AMB	AMB		
SSE	comp=Z,174nm,3.5s			LR	LR		
SSE	comp=N,738nm,21.6s,MS4.7			LR	LR		
SSE	comp=E,1um,21.6s,MS4.7			LR	LR		
SSE	comp=Z,941nm,14.6s			LR	LR		
SSE	Sheshan	36.51	37	P	P	12 28 21.3	-2.2
SSE	comp=Z,18nm,0.7s,mb5.0			pP	pP	12 28 30.0	-3.0
SSE	PP			PP	PP	12 29 46.3	+1.6
SSE	S			S	S	12 34 01.8	-1.1
SSE	SS			SS	SS	12 34 17.3	
SSE	SS			SS	SS	12 36 42.4	+1.3
SSE	LR			LR	LR		
SSE	comp=Z,940nm,14.6s,MS4.7						
BTO	Baotou	39.45	16	P	P	12 28 48.6	+0.6
BTO	P			S	S	12 34 46.2	-1.3
BTO	AMB			AMB	AMB		
MUN	Mundaring	39.57	153	eP	P	12 28 50.4	+1.3
MUN	comp=Z,9.0nm,0.5s,mb4.8						
MUN	Mundaring</						

Table with columns: STA, Name, Time, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and other parameters. Includes stations like CTAs, CTAs, CTAs, etc.

Table with columns: STA, Name, Time, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and other parameters. Includes stations like OBN, OBN, OBN, etc.

Table with columns: STA, Name, Time, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and other parameters. Includes stations like ULM, RKT, NVAR, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes station WRA Warramunga Arr.

NIED 03 12:40:00, 37.20N, 139.90E, h14km, Mw3.7, Best double couple: M4.13x10^14 NP1.9x10^18, 888°, λ.16°: NP2: 6x236°, 874°, λ.178°

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes station JSB Shiba.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes station MA2 Magadan.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes station MKAR Makanchi Array.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes station ZAL Zalesov.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes station ZAI Zaio.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes station ZAI Zaio, ZAI Zaio, EMEL Melilla, etc.







**BUJ 03** 14:42:47.8, 9.62N-93.44E, h39km, mb5.3, mb5.0, Ms4.9, Ms4.7  
**MOS 03** 14:42:48.7, 0.9, 9.83N-93.72E, h33km, mb5.4/4.4, Ms4.4/1.7, Error ellipse: s-maj=9.4km s-min=4.2km az=122.8  
**HRVD 03** 14:42:49.4, 0.2, 9.75N-93.71E, h12km, MW5.2/63, Centroid moment Tensor Solution. LP body waves: s29,c46;Mantle waves: sb3,c113; Half duration: 1s0 Moment tensor: Scale 10<sup>19</sup>Nm; M<sub>1</sub>-4.33±.15; M<sub>2</sub>-0.52±.12; M<sub>3</sub>-3.62±.14; M<sub>4</sub>-4.30±.41; M<sub>5</sub>-3.90±.11; M<sub>6</sub>-1.24±.38; Best double couple: M<sub>7</sub>-1.99±.1018 NP1;  $\phi_1=184^\circ$ ,  $\delta_1=37^\circ$ ,  $\lambda_1=140^\circ$ ; NP2 $\phi_2=60^\circ$ ,  $\delta_2=7^\circ$ ,  $\lambda_2=60^\circ$ ; Principal axes: T 7.467, P1g17°, Azm129°; N -531, P1g27°; Azm228°; P -6.931, P1g57°, Azm10°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

**NEIC 03** 14:42:49.4, 0.1, 9.78N-93.66E, mb5.2/82, MS4.3/10 Error ellipse: s-maj=5.5km s-min=3.6km az=220.0  
**IDC 03** 14:42:50.4, 1.7, 9.77N-93.59E, h32km, mb4.5/21, mb1 4.6/21, mb1mx4.5/23, mbtmp4.7/21, MS4.6/6, Ms1 4.3/6, ms1mx4.2/11, Error ellipse: s-maj=17.6km s-min=9.9km az=59.0

**ISC 03** 14:42:47.5, 0.2, 9.76N-93.72E, 0.03, h24km, h24km, 1.2km; P-P, n409, e1s04/409, mb5.0/121, MS4.5/34, 38C-45D, Nicobar Islands region

Code	Station Name	$\Delta^\circ$	AZ $^\circ$	Phase ID	Time	Res
					h	ISC
NNT	Nongplab	6.54	64	Op	14 44 25.3	+0.6
SNG	Songkhla	7.29	110	P	14 44 34.0	-1.3
KULM	Kulim	8.18	122	eP	14 44 45.9	-1.8
BDT	Bhumibol Dam	9.04	34	P	14 45 02.0	+2.4
KKTK	Khon Kaen	11.02	53	P	14 45 27.0	+0.2
NANT	Nan	11.24	36	↑P	14 45 33.0	+3.0
VIS	Vishakhapatnam	12.82	309	eP	14 45 48.9	-2.2
VIS				eS	14 47 58.9	-1.5
VIS				e	14 48 06.3	
VIS				e	14 48 10.1	
VIS				e	14 49 03.4	
PALK	Pallekele	13.11	260	iP	14 45 57.0	+2.0
MDRS	Chennai	13.61	285	eP	14 46 05.6	-1.5
MDRS				e	14 46 02.0	+0.3
AGT	Agartala	14.24	351	eP	14 46 17.0	+1.7
SALM	Salem	15.37	278	eP	14 46 27.0	+2.3
SALM				e	14 49 07.4	
SHL	Shillong	16.52	354	eP	14 46 29.0	-1.5
BLSP	Bilaspur	16.58	319	eP	14 46 40.8	+0.6
BLSP				e	14 46 55.9	
BLSP				e	14 49 34.4	
BLSP				e	14 51 05.6	
HYB	Hyderabad	16.58	299	eP	14 46 40.0	-0.2
HYB				eS	14 49 44.0	+1.2
HYB				e	14 49 33.0	
HYB	Hyderabad	16.58	299	iP	14 49 44.0	+1.2
HYB				eS	14 49 33.0	
HYB				e	14 49 47.2	
TRD	Trivandrum	16.60	267	eP	14 46 43.2	+2.8
TRD				e	14 49 47.2	
KMI	Kunming	17.52	28	P	14 46 55.9	+3.9
KMI				AP	14 47 02.0	+1.0
KMI				XP	14 47 06.9	
KMI				PP	14 47 11.6	+5.1
KMI				PPP	14 47 20.0	+5.0
KMI				S	14 50 13.8	+1.0
KMI				XS	14 50 13.8	+1.0
KMI				AMB	14 50 24.7	
KMI				AMB	14 49 33.0	
KMI				AMB	14 49 44.0	+1.2
KMI				AMB	14 46 55.9	+3.9
KMI				AMB	14 47 02.0	+1.0
KMI				AMB	14 47 06.9	
KMI				AMB	14 47 11.6	+5.1
KMI				AMB	14 47 20.0	+5.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 24.7	
KMI				AMB	14 49 33.0	
KMI				AMB	14 49 44.0	+1.2
KMI				AMB	14 46 55.9	+3.9
KMI				AMB	14 47 02.0	+1.0
KMI				AMB	14 47 06.9	
KMI				AMB	14 47 11.6	+5.1
KMI				AMB	14 47 20.0	+5.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 24.7	
KMI				AMB	14 49 33.0	
KMI				AMB	14 49 44.0	+1.2
KMI				AMB	14 46 55.9	+3.9
KMI				AMB	14 47 02.0	+1.0
KMI				AMB	14 47 06.9	
KMI				AMB	14 47 11.6	+5.1
KMI				AMB	14 47 20.0	+5.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 24.7	
KMI				AMB	14 49 33.0	
KMI				AMB	14 49 44.0	+1.2
KMI				AMB	14 46 55.9	+3.9
KMI				AMB	14 47 02.0	+1.0
KMI				AMB	14 47 06.9	
KMI				AMB	14 47 11.6	+5.1
KMI				AMB	14 47 20.0	+5.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 24.7	
KMI				AMB	14 49 33.0	
KMI				AMB	14 49 44.0	+1.2
KMI				AMB	14 46 55.9	+3.9
KMI				AMB	14 47 02.0	+1.0
KMI				AMB	14 47 06.9	
KMI				AMB	14 47 11.6	+5.1
KMI				AMB	14 47 20.0	+5.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 24.7	
KMI				AMB	14 49 33.0	
KMI				AMB	14 49 44.0	+1.2
KMI				AMB	14 46 55.9	+3.9
KMI				AMB	14 47 02.0	+1.0
KMI				AMB	14 47 06.9	
KMI				AMB	14 47 11.6	+5.1
KMI				AMB	14 47 20.0	+5.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 24.7	
KMI				AMB	14 49 33.0	
KMI				AMB	14 49 44.0	+1.2
KMI				AMB	14 46 55.9	+3.9
KMI				AMB	14 47 02.0	+1.0
KMI				AMB	14 47 06.9	
KMI				AMB	14 47 11.6	+5.1
KMI				AMB	14 47 20.0	+5.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 24.7	
KMI				AMB	14 49 33.0	
KMI				AMB	14 49 44.0	+1.2
KMI				AMB	14 46 55.9	+3.9
KMI				AMB	14 47 02.0	+1.0
KMI				AMB	14 47 06.9	
KMI				AMB	14 47 11.6	+5.1
KMI				AMB	14 47 20.0	+5.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 24.7	
KMI				AMB	14 49 33.0	
KMI				AMB	14 49 44.0	+1.2
KMI				AMB	14 46 55.9	+3.9
KMI				AMB	14 47 02.0	+1.0
KMI				AMB	14 47 06.9	
KMI				AMB	14 47 11.6	+5.1
KMI				AMB	14 47 20.0	+5.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 24.7	
KMI				AMB	14 49 33.0	
KMI				AMB	14 49 44.0	+1.2
KMI				AMB	14 46 55.9	+3.9
KMI				AMB	14 47 02.0	+1.0
KMI				AMB	14 47 06.9	
KMI				AMB	14 47 11.6	+5.1
KMI				AMB	14 47 20.0	+5.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 24.7	
KMI				AMB	14 49 33.0	
KMI				AMB	14 49 44.0	+1.2
KMI				AMB	14 46 55.9	+3.9
KMI				AMB	14 47 02.0	+1.0
KMI				AMB	14 47 06.9	
KMI				AMB	14 47 11.6	+5.1
KMI				AMB	14 47 20.0	+5.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 24.7	
KMI				AMB	14 49 33.0	
KMI				AMB	14 49 44.0	+1.2
KMI				AMB	14 46 55.9	+3.9
KMI				AMB	14 47 02.0	+1.0
KMI				AMB	14 47 06.9	
KMI				AMB	14 47 11.6	+5.1
KMI				AMB	14 47 20.0	+5.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 24.7	
KMI				AMB	14 49 33.0	
KMI				AMB	14 49 44.0	+1.2
KMI				AMB	14 46 55.9	+3.9
KMI				AMB	14 47 02.0	+1.0
KMI				AMB	14 47 06.9	
KMI				AMB	14 47 11.6	+5.1
KMI				AMB	14 47 20.0	+5.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 24.7	
KMI				AMB	14 49 33.0	
KMI				AMB	14 49 44.0	+1.2
KMI				AMB	14 46 55.9	+3.9
KMI				AMB	14 47 02.0	+1.0
KMI				AMB	14 47 06.9	
KMI				AMB	14 47 11.6	+5.1
KMI				AMB	14 47 20.0	+5.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 13.8	+1.0
KMI				AMB	14 50 24.7	
KMI				AMB	14 49 33.0	
KMI				AMB	14 49 44.0	+1.2
KMI				AMB	14 46 55.9	+3.9
KMI				AMB	14 47 02.0	+1.0

MDJ	comp=Z,12nm,2.1s,mb4.5	AMB	AMB		
MDJ	comp=Z,210nm,6.4s	AMB	AMB		
MDJ	comp=N,441nm,14.0s,MS4.7	LR	LR		
MDJ	comp=E,396nm,14.6s,MS4.7	LR	LR		
MDJ	comp=Z,523nm,16.9s,MS4.6	P	P	14 51 18.4	-0.8
BVAR	Borovoye Array 47.08 341	P	P		
BVAR	comp=Z,12nm,0.8s,mb4.9,baz=143,slow=7.4,SNR=50	P	P	14 52 51.2	-0.1
BVAR	comp=Z,7.1nm,0.8s,baz=180,slow=3.0,SNR=4.1	S	S	14 58 08.7	-0.2
KLBR	Kellerberrin 47.12 152	eP	P	14 51 19.9	+0.1
CHKZ	Chkalovo 47.56 342	iP	P	14 51 22.4	-0.6
CHKZ	comp=Z,38nm,0.9s,mb5.4	ScP	P		
RAYN	Ar Rayn 47.96 293	P	P	14 51 28.9	+2.4
RAYN	comp=Z,329nm,0.9s,SNR=36	ScP	P		
NWAO	Narrogin (SRO) 48.01 153	P	P	14 51 25.7	-1.1
NWAO	comp=Z,8.5nm,1.0s,mb4.7,baz=73,slow=6.1,SNR=4.6	P	P		
NWAO	Narrogin (SRO) 48.01 153	eP	P	14 51 25.7	-1.1
MAT	Matsushiro 48.23 49	eP	P	14 51 29.0	+0.6
MAT	comp=Z,65nm,1.7s,mb5.4	P	P	14 51 29.0	+0.6
MAT	Matsushiro 48.23 49	eP	P	14 51 29.0	+0.6
WRA	Warramunga Arr 49.70 127	iP	P	14 51 38.7	+0.3
WRA	comp=Z,4.7nm,0.3s,mb4.9,baz=300,slow=10,SNR=47	PP	PP	14 53 38.6	+3.4
WRA	comp=Z,2.1nm,0.9s,baz=300,slow=12,SNR=4.6	PP	PP		
WRA	comp=Z,0.6nm,0.7s,baz=316,slow=3.6,SNR=5.4	P	P	14 56 51.6	
WRAB	Tennant Creek 49.70 127	iP	P	14 51 40.3	+0.3
WRAB	Tennant Creek 49.70 127	eP	P	14 51 40.1	+0.1
WRAB	comp=Z,16nm,0.6s,ms2	LR	LR		
WB2	Warramunga Arr 49.71 127	iP	P	14 51 40.3	+0.3
ATD	Arta Tunnel 49.98 277	P	P	14 51 40.1	-2.0
BOD	Bodaibo 50.42 14	eP	P	14 51 43.7	-1.3
BOD	comp=Z,13nm,1.7s,mb4.7	P	P	14 51 52.9	-0.3
ASPA	Alice Springs 51.44 131	eP	P	14 51 52.9	-0.4
ASPA	comp=Z,2.0nm,0.3s,mb4.5,baz=318,slow=4.6,SNR=68	LR	LR	15 18 52.7	
ASAR	comp=Z,235nm,18.2s,MS4.2,baz=297,slow=42	LR	LR		
CLNS	Chul'man 52.83 21	eP	P	14 52 02.4	-0.8
CLNS	comp=N,14nm,0.7s	P	P		
CLNS	comp=Z,31nm,0.7s,mb5.3	P	P		
CLNS	comp=E,16nm,0.8s	P	P		
CLNS	comp=N,90nm,13.0s,MS5.0	MLR	MLR		
CLNS	comp=E,200nm,13.0s,MS5.0	MLR	MLR		
CLNS	comp=Z,1µm,13.0s,MS5.2	MLR	MLR		
GNI	Garni 52.84 313	eP	P	14 52 04.5	+1.0
GNI	comp=Z,79nm,1.0s	P	P	14 52 04.5	+1.1
GNI	Garni 52.84 313	eP	P	14 52 04.5	+1.1
GNI	comp=Z,79nm,1.0s,mb5.6	P	P	14 52 07.8	+0.4
MTA	Mtatsminda 53.37 315	P	P	14 52 08.2	+0.5
TIZ	Tizpekhov 53.41 315	iP	P	14 52 08.2	+0.5
TIZ	comp=Z,80nm,0.8s,mb5.7	P	P	14 52 08.1	+0.4
TBLG	Delisi 53.42 315	P	P	14 52 08.0	-0.1
SVE	Sverdlovsk 53.51 338	iP	P	14 52 16.0	
SVE	comp=Z,66nm,1.4s,mb5.4	P	P	14 53 16.0	
SVE	comp=N,500nm,21.0s,MS4.7	MLR	MLR		
SVE	comp=E,500nm,21.0s,MS4.7	MLR	MLR		
SVE	comp=Z,600nm,21.0s,MS4.8	MLR	MLR		
DUSheti	53.58 316	P	P	14 52 08.9	-0.1
DUSheti	comp=Z,500nm,14.0s,MS4.8	P	P	14 52 08.9	-1.4
AMOHidratompo	53.85 238	P	P	14 52 11.3	-0.5
AMOHidratompo	comp=Z,0.8nm,0.3s,mb4.1,baz=312,slow=12,SNR=2.3	P	P	14 52 11.3	-0.5
Arti	54.00 337	eP	P	14 52 11.0	-0.8
Arti	54.00 337	iP	P	14 52 22.8	-0.6
YSS	Yuzh-Sakhalins 55.57 391	eP	P	14 52 29.4	-1.5
YSS	comp=Z,20nm,0.8s,mb5.2	P	P	14 52 29.8	-1.7
YSS	comp=Z,500nm,14.0s,MS4.8	MLR	MLR	14 52 29.8	-1.7
YSS	Yuzh-Sakhalins 55.57 39	eP	P	14 52 24.0	+0.6
YSS	comp=Z,9.4nm,0.6s,ms2	P	P	14 52 23.6	-0.4
KIV	Kislovodsk 55.65 317	iP	P	14 52 36.9	+5.4
KIV	comp=Z,103nm,0.8s,ms5.9	P	P	14 52 20.5	
KIV	comp=Z,137nm,1.0s,ms5.9	MLR	MLR	14 52 09.0	+2.1
KIV	comp=Z,103nm,0.8s,ms5.9	P	P	15 03 57.1	+4.9
KIV	comp=Z,390nm,21.0s,MS4.3	MLR	MLR		
KIV	Kislovodsk 55.65 317	eP	P	14 52 24.1	0.0
KIV	comp=Z,103nm,0.8s,ms5.9	P	P	14 52 24.1	0.0
KIV	comp=Z,79nm,21.0s,MS3.8	LR	LR	14 52 25.4	0.0
GOF	Gofitskoye 55.84 318	iP	P	14 52 25.4	0.0
GOF	comp=Z,80nm,1.0s,mb5.7	P	P	14 52 32.1	+1.6
PMG	Port Moresby 56.49 108	P	P	14 52 32.9	-0.5
PMG	comp=Z,1.6nm,0.7s,mb5.1,baz=295,slow=19,SNR=3.4	P	P	14 52 38.4	+2.5
MALT	Malatya 56.94 310	iP	P	14 52 38.4	+2.5
KMBO	Kilima Mbogo 57.24 262	P	P	15 15 52.1	
KMBO	comp=Z,6.1nm,1.0s,mb4.6,baz=50,slow=10.0,SNR=12	LR	LR	14 52 36.0	-0.4
GZT	Gaziantep 57.37 308	iP	P	14 52 35.1	-2.4
SOC	Sochi 57.54 316	eP	P	14 53 22.8	
SOC	comp=Z,41nm,0.8s,mb5.5	P	P	14 54 42.8	
SOC	comp=N,30nm,1.0s	P	P	14 54 04.4	-3.7
SOC	comp=E,13nm,0.9s	P	P	15 00 30.1	-1.7
SOC	comp=N,379nm,20.0s,MS4.6	MLR	MLR	15 02 24.0	
SOC	comp=Z,501nm,20.0s,MS4.6	MLR	MLR	15 04 21.6	-1.8
SOC	comp=E,347nm,21.0s,MS4.6	P	P	14 52 39.8	-0.7
KAHT	Ahir Dag 57.97 308	iP	P	14 52 42.1	+0.2
EIL	Elat 58.15 299	eP	P	14 52 41.6	-1.3
YAK	Yakutsk 58.35 19	eP	P	14 52 41.6	-1.3
YAK	comp=Z,44nm,0.8s,mb5.5	P	P	14 52 41.6	-1.3
YAK	comp=Z,44nm,0.8s,mb5.5	P	P	14 52 50.0	-0.6
ANN	Anapa 59.48 317	eP	P	15 01 00.9	+3.7
ANN	comp=Z,45nm,1.0s,mb5.5	P	P	14 52 52.0	-1.1
AVNT	Avonos 59.77 309	iP	P	14 52 55.0	-0.9
CSS	Prochudom 60.26 305	eP	P	14 52 57.0	-1.6
CSS	comp=Z,32nm,1.0s,ms3.8	P	P	14 53 07.0	+0.8
VRSR	Storozhevoye 60.61 324	eP	P	14 53 07.0	+0.8
VRSR	comp=Z,14nm,0.9s,mb4.9	P	P		

VRSR	comp=Z,20nm,0.8s,mb5.3	P	P	14 53 41.3	
VRSR	comp=N,10.0nm,0.9s	P	P	14 55 11.9	
VRSR	comp=E,20nm,0.7s	P	P	15 01 09.4	-2.2
VRSR	comp=N,10.0nm,0.9s	P	P	15 01 25.5	
VRSR	comp=Z,20nm,0.8s,mb5.3	P	P		
VRSR	comp=N,10.0nm,0.9s	P	P		
VRSR	comp=E,20nm,0.7s	P	P		
VRSR	comp=N,10.0nm,0.9s	P	P		
VRSR	comp=Z,5.0nm,0.9s	P	P		
VRSR	comp=E,6.0nm,0.8s	P	P		
VRSR	comp=Z,330nm,21.0s,MS4.5	MLR	MLR		
VRSR	comp=N,270nm,19.0s,MS4.6	MLR	MLR		
VOR	Voronozh 60.81 325	P	P	14 52 59.0	-1.0
VOR	comp=Z,60nm,1.3s,mb5.6	P	P	14 53 06.0	-1.6
VOR	comp=Z,360nm,21.0s,MS4.6	P	P		
VOR	comp=Z,60nm,1.3s,mb5.6	P	P	14 52 59.0	-1.0
BRTR	Keskin Array B 60.90 310	P	P	14 52 59.0	-1.6
BRTR	comp=Z,19nm,0.8s,ms5.3,baz=122,slow=7.2,SNR=64	P	P	14 57 42.4	
BRTR	comp=Z,2.2nm,1.0s,baz=127,slow=6.2,SNR=4.3	P	P	14 53 01.4	-1.6
ELDT	Eldivan 61.22 311	iP	P	14 52 58.0	-6.7
BALTA	Dayad 61.48 312	P	P	14 53 07.0	-0.7
SKA	Stephens Creek 61.71 134	P	P	15 18 50.6	
SKA	comp=Z,1.5nm,0.3s,mb4.7,baz=341,slow=14,SNR=4.6	LR	LR	15 18 50.6	
SKA	comp=Z,385nm,21.6s,MS4.5,baz=116,slow=35	LR	LR		
SIM	Simferopol' 61.79 316	eP	P	14 53 06.0	-0.7
SIM	comp=Z,30nm,0.8s,ms5.5	P	P	14 53 12.5	-2.1
ISP	Isparta 62.96 307	eP	P	14 53 12.5	-2.1
ISP	comp=Z,43nm,1.0s,mb5.5	P	P	14 53 12.5	-2.1
ISP	comp=Z,43nm,1.0s,mb5.5	P	P	14 53 14.8	-1.5
MOS	Moscow 63.26 328	eP	P	14 55 39.2	
MOS	comp=Z,45nm,0.7s,ms5.7	P	P	14 53 19.5	+0.8
MBAR	Mbarara 63.51 264	eP	P	14 53 19.4	+0.8
MBAR	comp=Z,40nm,1.2s,mb5.3	P	P	14 53 17.5	-0.9
MBAR	Mbarara 63.51 264	eP	P	14 53 17.5	-0.9
MBAR	comp=Z,40nm,1.2s,mb5.3	P	P	14 55 34.5	
OBN	Obninsk 63.57 327	iP	P	15 01 49.1	+0.2
OBN	comp=Z,43nm,1.2s,mb5.3	MLR	MLR	14 53 15.5	-2.9
OBN	comp=Z,400nm,21.0s,MS4.6	P	P	14 53 21.5	-2.4
ULDT	Uludag 64.38 310	iP	P	14 53 29.3	-0.2
MA2	Magadan 64.30 28	eP	P	14 53 29.3	-0.2
MA2	comp=Z,5.0nm,0.8s,mb4.6	P	P	14 53 28.9	-1.6
MA2	comp=Z,5.5nm,0.8s,mb4.6	P	P	14 53 30.9	-1.1
TIXI	Tiksi 65.48 12	iP	P	14 53 30.9	-1.1
TIRR	Tirgusor 65.64 314	iP	P	14 53 32.0	-0.1
PSN	Prelesentsi 65.67 314	eP	P	14 53 31.0	-2.3
KIS	Kishinev 65.86 317	eP	P	14 53 33.0	-0.7
KIS	comp=Z,300nm,18.0s,MS4.5	MLR	MLR	14 53 33.0	-0.7
CFR	Caracul 65.97 315	P	P	14 53 33.0	-0.7
CFR	Caracul 65.97 315	iP	P	14 53 33.1	-0.9
CFR	Caracul 65.97 315	iP	P	14 53 35.0	-0.2
PRD	Provdia 66.15 313	eP	P	14 53 35.0	-1.9
AKASG	Malin Array Be 66.43 321	P	P	14 55 54.8	-10
AKASG	comp=Z,9.6nm,0.7s,mb4.9,baz=88,slow=5.0,SNR=31	PP	PP	14 53 37.0	-1.3
AKASG	comp=Z,0.4nm,0.4s,baz=100,slow=5.6,SNR=4.6	P	P	14 53 41.0	0.0
JMB	Yambol 66.63 312	eP	P	14 53 41.0	0.0
VRI	Vrincioara 67.06 316	iP	P	14 53 41.0	0.0
ISR	Istrita 67.07 315	iP	P	14 53 42.0	-0.1
SZH	Sirazhka 67.22 313	iP	P	14 53 42.0	-0.1
KDZ	Kudzhali 67.38 311	iP	P	14 53 42.2	+0.1
MLR	Muntele Rosu 67.54 315	iP	P	14 53 45.7	-0.1
SNX	Sinaia 67.82 315	P	P	14 53 46.0	-0.4
RZN	Rozhen 67.91 311	iP	P	14 53 51.0	+4.2
PLD	Plodiv 68.18 325	iP	P	14 53 49.0	-0.5
MINK	Minerale 68.18 325	iP	P	14 53 49.0	-0.5
BURAR	Bucovina Array 68.38 317	iP	P	14 53 51.0	+0.1
BURAR	Bucovina Array 68.38 317	iP	P	14 53 53.2	-0.7
PGB	Panagyurishte 68.41 312	eP	P	14 53 53.2	-0.7
MMB	Musomiste 68.63 311	iP	P	14 53 53.2	-0.7
VTS	Vitosha 69.12 312	iP	P	14 53 53.2	-0.7
KKB	Krupnik 69.14 311	iP	P	14 53 58.9	-1.3
LVV	L'vov 69.52 320	eP	P	14 54 00.5	-0.7
BOLS	Boljear 70.15 313	iP	P	14 54 00.5	-0.7
KWP	Kalwaria 70.34 319	eP	P	14 54 00.5	-0.7
KWP	comp=Z,69nm,1.4s,mb5.4	P	P	14 54 02.0	-0.3
KWP	Kalwaria 70.34 319	eP	P	14 54 02.0	-0.3
KWP	comp=Z,69nm,1.4s,mb5.4	P	P	14 54 02.0	-0.3
KOLS	Kolonické sedl 70.52 318	iP	P	14 54 02.0	-0.3
BZS	Buzias 70.58 315	iP	P	14 54 02.1	-1.5
SUW	Suwali 70.74 324	eP	P	14 54 05.1	+0.6
MATP	Matopo 70.79 244	P	P	14 54 05.1	+0.6
MATP	Matopo 70.79 244	P	P	14 54 03.2	-1.0
FINES	Fines Array B 70.86 332	P	P	14 54 03.5	-1.1
FINES	comp=Z,3.8nm,0.6s,mb4.5,baz=56,slow=8.1,SNR=7.0	P	P	14 54 03.5	-1.1
KAF	Kangasniemi 70.93 333	eP	P	14 54 03.5	-1.1
KAF	comp=Z,1.4nm,1.1s,mb4.8,baz=104,slow=7.9,SNR=23	P	P	14 54 03.5	-1.1
KAF	Kangasniemi 70.93 333	eP	P	14 54 03.5	-1.1
KAF	comp=Z,1.4nm,1.1s,mb4.8,baz=104,slow=7.9,SNR=23	P	P	14 54 05.3	-0.2
CRVS	Cervenica-Dub 71.05 318	eP	P	14 54 05.3	-0.2
CRVS	comp=Z,14nm,1.1s,mb4.8	P	P	14 54 04.6	-1.1
GRUS	Gruza 71.06 313	iP	P	14 54 04.6	-1.1
DVS	Dvare 71.59 313	iP	P	14 54 05.0	-0.6
KECS	Kecovo 71.64 318	eP			

Table with columns: MAW, Mawson, 80.29 192 P, P, 14 54 57.1 -0.5, etc. Lists various stations and their coordinates.

Table with columns: LPAZ, La Paz, 161.17 248 PKP, PKPdf, 15 02 48.7 -2.3, etc. Lists stations in La Paz and other locations.

Table with columns: EMAZ, Espera, 3.83 127 Pn, Pn, 15 07 30.7 -6.1, etc. Lists stations in Espera and other locations.

Table with columns for station name, frequency, and coordinates. Includes stations like NIZ, LSTR, LKST, CIT, YOA, UKT, ARS, SVKR, ZAK, KPC, and KPM.

Table with columns for station name, frequency, and coordinates. Includes stations like MOY, ORL, NLYR, BOD, PACI, PULI, PENI, KULM, JIRN, PKI, DMN, KKN, GKN, KOLN, WRA, MKAR, SONM, ULN, KURK, ZAL, CHKZ, MXZ, MXZ, PUZ, PUKETITI, MWZ, MWZ, URZ, URZ, KNZ, KNZ, BKZ, BKZ, FWZ, FWZ, MOVZ, MOVZ, PWZ, PWZ.

Table with columns for station name, frequency, and coordinates. Includes stations like TSZ, MRZ, MTW, CAW, NNZ, KULM, FITZ, WRA, WRAB, ASAR, SONM, MKAR, STKA, CMAR, WRA, ASAR, SONM, MKAR, ZAL, WRA, ASAR, SONM, MKAR, TXAR, LVC, LVC, LVC, LVC, SPCH, ANCH, CPN1, LPAZ, SIV, SIV, CFAA, SFAA, TRAQ, DBIC, DBIC, YKA, YKA, YKA.

3d 16h

ellipse: s-maj=40.5km s-min=11.7km az=123.7
BUJ 03 16:10:18.7, 2.70N-97.40E, h30km, mb4.9, mb4.3, Ms4.6, Ms2.4.2

NEIC 03 16:10:18.7, 0.4, 2.72N-97.41E, h30km, mb4.5/9, Error ellipse: s-maj=15.5km s-min=6.7km az=49.0

ISC 03 16:10:15.8, 2.5, 2.62N-0.07, 97.28E, 0.08, h26km, mb17km, n50, c1905/49, mb4.3/25, MS4.2/2, 4C, Northern Sumatera

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

IDC 03 16:25:9.4, 2.3, 0.5N-96.63E, mb3.5/3, mb1 3.6/3, mb1mx3.4/15, mb1mp3.5/3, Error ellipse: s-maj=156.6km s-min=28.8km az=59.0, Northern Sumatera

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists seismic stations for the IDC event.

IDC 03 16:20:44.3, 3.7, 0.92N-97.88E, mb3.5/5, mb1 3.7/5, mb1mx3.5/15, mb1mp3.5/5, 1D, Error ellipse: s-maj=152.2km s-min=22.5km az=58.0, Northern Sumatera

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists seismic stations for the IDC event.

2005 APR

ZAL Zalesovo 53.93 350 P P 16 30 08.4 -3.3

0.7nm, 0.3s, baz=359, slow=2.2, SNR=3.1

BUJ 03 16:21:41.4, 1.2, 23N:96.23E, h26km, mb4.9, mb4.7, Ms5.0, Ms2.6

MOS 03 16:21:50.4, 0.9, 2.19N:96.29E, h30km, mb4.7/24, Error ellipse: s-maj=13.7km s-min=7.0km az=110.3

NEIC 03 16:21:51.5, 0.2, 2.20N:96.27E, mb4.7/27, Error ellipse: s-maj=6.6km s-min=4.3km az=220.0

IDC 03 16:21:54.9, 9.3, 2.25N:96.31E, h56km, mb6km, mb4.3/17, Ms1 4.4/17, mb1mx4.3/21, mb1mp4.6/17, MS4.1/3, Ms1 4.1/3, ms1mx3.5/19, Error ellipse: s-maj=20.0km s-min=12.7km az=50.0

ISC 03 16:21:49.7, 0.3, 2.19N:0.05, 96.28E, 0.04, h27km, h27km, 1.2km, pP, n120, c091/123, mb4.6/57, MS4.3/8, 9C-2D, Northern Sumatera

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

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



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like MAT Matushiro, CN2 Changchun, GTA Gaotai, etc.

IDC 03 16:25:18.1±0.6, 22.47N±118.72E, mb4.2/13, mb1 4.4/13, mb1mx4.3/19, mbmp4.2/13, MS3.7/2, Ms1 3.7/2, ms1mx3.1/20, Error ellipse: s-maj=45.2km s-min=14.6km az=63.0

NEIC 03 16:25:19.9±0.3, 22.39N±118.67E, h10km, mb4.5/19, Error ellipse: s-maj=6.9km s-min=6.3km az=114.0

BUI 03 16:25:20.4, 22.44N±118.67E, h19km, mb4.6, mb4.5, ML5.2, Ms4.5, Ms2.4

MOS 03 16:25:21.5±1.3, 22.39N±118.68E, h33km, mb4.7/17, Error ellipse: s-maj=15.2km s-min=6.4km az=102.0

ISC 03 16:25:18.9±1.8, 22.40N±118.65E±0.05, h15km±13km, h19km±4.3km, pP-P, n78, s0595/83, mb4.3/30, MS3.8/3, 3C-1D, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like OZH Quanzhou, QZH Qiongzong, WHN Wuhuan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like MAT Matushiro, CN2 Changchun, GTA Gaotai, etc.

IDC 03 16:27:43.5±2.8, 1.14N±97.04E, mb3.9/6, mb1 4.1/6, mb1mx3.8/17, mbmp3.9/6, Error ellipse: s-maj=122.3km s-min=20.4km az=57.0

NEIC 03 16:27:49.5±0.8, 1.22N±97.15E, h30km, mb4.3/1, Error ellipse: s-maj=21.2km s-min=10.7km az=57.0

ISC 03 16:27:46.4±1.0, 1.3N±101.97E±0.2, h30km, n11, s060/11, mb4.0/7, 1C, Northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like KULM Kulim, WRA Warramunga Arr, WRAB Tennant Creek, etc.

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

BUI 03 16:38:58.6, 2.29N±96.20E, h41km, mb5.1, mb4.8, Ms4.6, Ms2.3

MOS 03 16:39:02.4±1.0, 2.95N±96.32E, h33km, mb5.0/35, Error ellipse: s-maj=13.0km s-min=5.9km az=109.3

IDC 03 16:39:03.5±3.9, 2.94N±96.36E, h27km±26km, mb4.4/18, mb1 4.4/19, mb1mx4.4/22, mbmp4.5/19, ML4.3/1, MS4.0/8, Ms1 4.0/8, ms1mx3.9/15, Error ellipse: s-maj=21.6km s-min=11.8km az=52.0

NEIC 03 16:39:03.0±2.2, 91N±96.31E, mb4.8/35, Error ellipse: s-maj=6.7km s-min=5.0km az=47.0

ISC 03 16:39:01.5±0.3, 2.89N±100.05E±96.33E±0.05, h27km, h27km±1.1km, pP-P, n159, s100/165, mb4.8/72, MS4.1/16, 7C-8D, Northern Sumatra

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

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Thein Dam, Fitzroy Crossi, Nanjing, etc.

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

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Piszketsto, Moravsky Berou, etc.

Table with columns for station name, coordinates, and various parameters. Includes stations like IPM Iphoh, KULM Kulim, KGM Klang, etc.

Table with columns for station name, coordinates, and various parameters. Includes stations like ASAR comp=Z,0.9nm,0.4s, etc.

Table with columns for station name, coordinates, and various parameters. Includes stations like IDC 03 17:21:06.8, NEIC 03 17:21:11, etc.

Table with columns for city names (e.g., JOU, JSB, JYS, JMK, OFUJ, etc.), numerical values, and status indicators (e.g., P, S, M, etc.).

Table with columns for city names (e.g., SNY, DL2, DL1, etc.), numerical values, and status indicators (e.g., P, S, M, etc.).

Table with columns for city names (e.g., SEY, XAN, ULN, etc.), numerical values, and status indicators (e.g., P, S, M, etc.).







2.5nm,0.8s,mb4.3
BRTR Keskin Array B 70.03 312 P 18 27 57.8 -0.3

IDC 03 18:20:54.8,0.1,51.24N-150.26E,h354km,33km,mb3.0/8,
mb1 3.9/9,mb1mx3.0/23,mbtmp3.8/9, Error ellipse:
s-maj=28.1km s-min=12.5km az=121.0

KRSC 03 18:20:57.6:1.2,49.86N-152.16E,h42km,13km,ML1.1
MOS 03 18:20:59.1:2.1,50.29N-151.32E,h487km,mb4.1/1, Error
ellipse: s-maj=45.6km s-min=14.3km az=57.6

NEIC 03 18:21:04.0:0.8,51.33N-150.77E,h458km,12km,mb3.9/1,
Error ellipse: s-maj=23.8km s-min=11.9km az=141.0

ISC 03 18:21:04.1:0.7,50.9N,0.1x151.5E:0.2,h459km,8km,n41,
e193/54,mb3.8/1,C,Northwest of Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like APC, GRL, RUS, GNL, PET, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like YSS, KMN, KOZ, MKZ, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like KBT, KBR, KBA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like INK, INK, INK, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like YKA, YKA, YKA, etc.

NEIC 03 18:39:37.0,49.85N-130.09W,h10km,mb3.6/2,
ML3.9(PGC), After PGC.
PGC 03 18:39:37.1,49.85N-130.09W,h10km,MLSn3.1,Mw3.9,
West of Vancouver Island, British Columbia

IDC 03 18:39:40.2:6.9,49.82N-129.75W,mb3.4/2,mb1 3.7/8,
mb1mx3.5/24,mbtmp3.4/8,ML3.4/6,MS3.3/4,MS1 3.4/3,
ms1mx3.0/16, Error ellipse: s-maj=50.1km s-min=16.4km
az=63.0

ISC 03 18:39:39.2:1.3,49.95N-129.63W,0.09,h8km,mb3.12km,
n33,i124/49,mb3.4/4,1D,Vancouver Island region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like HOLB, HOE, BPBC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like PHC, PHC, PHC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like EDB, EDB, EDB, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like MAYB, MAYB, MAYB, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like MGB, MGB, MGB, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like SHB, SHB, SHB, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like WSLR, WSLR, WSLR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like RUBB, RUBB, RUBB, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like BMBC, DLBC, DLBC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like YBH, YBH, YBH, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like NVAR, NVAR, NVAR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like YKA, YKA, YKA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like PDAR, PDAR, PDAR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like ILAR, ILAR, ILAR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like INK, INK, INK, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like FITZ, FITZ, FITZ, etc.

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like MKAR, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like IDC 03 18:42:13.9, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like WRAB, WRAB, WRAB, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like BJT, BJT, BJT, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like SONM, SONM, SONM, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like MKAR, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like MKAR, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like Ulaanbaatar, Ulaanbaatar, Ulaanbaatar, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like ULN, ULN, ULN, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like ZAK, ZAK, ZAK, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like CN2, CN2, CN2, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like TLY, TLY, TLY, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like KURK, KURK, KURK, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like KURK, KURK, KURK, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like CTA, CTA, CTA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like ZAL, ZAL, ZAL, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like ZAL, ZAL, ZAL, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, DGR, Res. Includes stations like Ouranopolis, Polygryos, Sokhos, etc.

MEX 03 19:49:30.4-0.4, 13.69N-92.77W, h75km, 173km, MD4.4, NEIC 03 19:49:42.9-2.5, 14.49N-92.10W, h114km, 25km, mb4.1/8, Error ellipse: s-maj=37.0km s-min=11.1km az=57.0

ISC 03 19:49:44.2-4.7, 14.33N-92.28W, h123km, 44km, mb3.5/6, mb1 3.7/6, mb1mx3.4/22, mbmp3.9/8, MS3.5/1, Ms1 3.4/1, ms1mx2.6/20, Error ellipse: s-maj=89.2km s-min=17.5km az=48.0

ISC 03 19:49:27.0-2.3, 13.87N-106.92E, h21km, 16km, n33, c15137, mb4.0/11, MS3.5/1, 4C, Off coast of Chiapas

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, DGR, Res. Includes stations like Jato, Tecpan 2, Ixcap, Comitán, etc.

ISC 03 19:51:39.1-1.0, 7.46N-123.94E, mb3.8/7, mb1 4.0/7, mb1mx3.8/18, mbmp3.8/7, Error ellipse: s-maj=80.6km s-min=18.7km az=72.0

NEIC 03 19:51:41.6-0.7, 7.36N-123.70E, h15km, mb4.3/1, Error ellipse: s-maj=21.0km s-min=13.5km az=66.0

MAN 03 19:51:42.3, 7.34N-123.41E, h14km, mb4.8, ML3.7, MS3.7, ISC 03 19:51:41.3-1.1, 7.23N-104.123.43E, h21km, 8km, n26, c1909/31, mb3.9/8, 2C-2D, Mindanao

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, DGR, Res. Includes stations like Pagadian, Ipi, Zamboanga City, etc.

MOS 03 19:56:24.6-1.5, 6.01N-61.01E, h10km, mb4.9/3, Error ellipse: s-maj=24.4km s-min=15.3km az=108.2

ISC 03 19:56:26.7-1.2, 6.12N-60.82E, mb3.9/11, mb1 4.0/11, mb1mx3.9/18, mbmp3.9/11, MS3.5/6, Ms1 3.5/6, ms1mx3.3/25, Error ellipse: s-maj=29.4km s-min=23.9km az=160.0

BUI 03 19:56:27.2, 5.90N-60.90E, h10km, mb5.1, mb4.4, NEIC 03 19:56:27.2-0.5, 5.93N-60.89E, h10km, mb4.6/2, Error

ellipse: s-maj=14.7km s-min=12.5km az=82.0, ISC 03 19:56:25.3-0.6, 5.95N-60.10, 60.8E, 0.1, h10km, n28, c1915/25, mb3.9/13, MS3.6/5, Carlsberg Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, DGR, Res. Includes stations like Diego Garcia, Arta Tunnel, Hyderabad, etc.

NEIC 03 20:01:04.8-0.7, 8.67S: 116.80E, h167km, 16km, mb4.4/2, Error ellipse: s-maj=25.6km s-min=18.0km az=179.0

DJA 03 20:01:08.5-0.7, 8.41S: 116.50E, h160km, MD4.6/4, ML5.4/3, Error ellipse: s-maj=56.1km s-min=25.4km az=4.0

ISC 03 20:01:10.8-3.6, 9.19S: 116.83E, h194km, 29km, mb3.5/4, mb1 3.6/5, mb1mx3.2/15, mbmp4.0/5, Error ellipse: s-maj=64.9km s-min=28.8km az=16.0

ISC 03 20:01:04.3-0.3, 8.8S-0.2, 116.8E-0.1, h165km, 9km, n18, c1906/29, mb4.2/3, 6C-1D, Sumbawa region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, DGR, Res. Includes stations like Kedondong, KEDI, Rata, etc.

KRJC 03 20:01:23.3-1.2, 5.33N-162.15E, h17km, 2km, ML3.8, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, DGR, Res. Includes stations like Mys Kozlova, Mys Shipunov, Nalytchevo, etc.

Table with columns: BKI, Bering, Klyuchi, GRL, Sredinny, Esso, APC, Apache. Includes values like 2.62 57 eP, 2.63 342 eS, etc.

ISC 03 20:14:7.0-0.9, 2.73N-96.08E, mb4.1/12, mb4.1/12, ML4.0/1, Error ellipse: s-maj=43.8km s-min=14.4km az=52.0

MOS 03 20:17.2-1.2, 2.67N-96.04E, h33km, mb4.8/10, Error ellipse: s-maj=23.5km s-min=8.4km az=103.8

BUI 03 20:18.4, 2.80N-96.20E, h30km, mb4.9, mb4.3, Ms4.7, Ms2.4

NEIC 03 20:19.5-0.5, 2.76N-96.20E, h30km, mb4.6/12, Error ellipse: s-maj=14.0km s-min=6.9km az=47.0

ISC 03 20:18.4-0.5, 2.80N-96.20E, h30km, (h32km, 8km, pp-P), n70, c1908/67, mb4.3/32, MS4.1/2, 2D, Northern Sumatra

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, DGR, Res. Includes stations like Kulm, SNG, KKTK, CMAR, NANT, KKM, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include BVAR Borovoye Array, CHKZ Chkalovo, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include KURK Kurchatov, KURK Kurchatov, KURK Kurchatov, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include LSA Lhasa, MBWA Marble Bar, MBWA Marble Bar, etc.

IDC 03 20:23:03.0, 0.9, 2.03N-96.68E, mb4.3/11, mb1 4.5/14, mb1mx4.3/19, mbtmp4.3/14, ML4.5/1, MS3.7/1, Ms1 3.7/1, ms1mx2.9/14, Error ellipse: s-maj=42.4km s-min=13.4km az=50.0

MOS 03 20:23:06.4, 0.9, 2.11N-96.81E, h33km, mb4.9/12, Error ellipse: s-maj=19.6km s-min=8.9km az=106.8

GAOTAI 03 20:23:04.8, 1.77N-96.93E, h40km, mb5.0, mb4.8, Ms4.4, Msz4.4

ISC 03 20:23:06.5, 0.5, 2.06N, 10.07E, h6.75E, 0.08, h35km, h35km, 1.81km, pP, pP, m66, c085/64, mb4.6/37, MS4.2/6, 3C-2D, Northern Sumatra

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include KULM Kulim, CMAR Chiang Mai Arr, NANT Nan, SHL Shillong, GYA Gyang, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include YSS Yuzh-Sakhalins, KIV Kislovodsk, KURK Kurchatov, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include HHC Hu-ho-hao-te, WRA Warrunganga Arr, WRAB Tennant Creek, etc.

ISC 03 20:23:27.9, 0.3, 2.09N-96.75E, mb4.9/14 Error ellipse: s-maj=10.6km s-min=6.1km az=54.0

ISC 03 20:23:27.9, 0.4, 2.07N, 10.06E, h6.75E, 0.07, h27km, h27km, 1.0km, pP, pP, n88, c19/18/83, mb4.8/43, MS4.4/9, 7C, Northern Sumatra

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include WRA Warrunganga Arr, WRAB Tennant Creek, WRAB Tennant Creek, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include KULM Kulim, KKTK Khun Kaen, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include KURK Kurchatov, PMG Port Moresby, ZAL Zalesovo, etc.

2005 APR

Table with columns: YAK, Yaktus, Time, Res, P, WRA, Warramunga Arr, etc. Includes data for stations like Warramunga Arr, Fitzroy Creek, Fitzroy Cross, etc.

Table with columns: WRA, Warramunga Arr, Time, Res, P, CHKZ, Chkalovo, etc. Includes data for stations like Chkalovo, Borovoye Array, Borovoye Arr, etc.

Table with columns: CHKZ, Chkalovo, Time, Res, P, MOS 03 20:42:04.1, etc. Includes data for stations like Wadi Hawf, Aybut, Edmonton, etc.

IDC 03 20:29:46.9, 3.8, 2.92N, 96.01E, mb4.0/5, mb1 1mx3.7/18, mbmp4.0/6, ML3.9/1, Error ellipse: s-maj=90.9km s-min=70.7km az=119.0

NEIC 03 20:29:49.8, 0.9, 2.74N, 96.13E, h30km, mb4.2/3, Error ellipse: s-maj=17.9km s-min=12.8km az=214.0

Table with columns: Code, Station Name, Time, Res, P, YOA, Uoyan, etc. Includes data for stations like Uoyan, Kumura, Uaibat, etc.

IDC 03 20:29:49.9, 6.4, 2.8N, 93.9E, mb2.0/4, h46km, 64km, n11, 0:46/11, mb4.1/8, Northern Sumatra

IDC 03 20:53:22.5, 2.9, 0.05S, 97.95E, mb3.8/5, mb1 3.9/6, mb1mx3.7/15, mbmp3.7/6, ML3.8/1, Error ellipse: s-maj=122.3km s-min=21.4km az=59.0

IDC 03 20:53:25.0, 1.4, 0.15S, 101.97E, 0.3, h33km, n9, 0:09/28, mb3.8/6, Southwest of Sumatra

IDC 03 20:32:29.9, 12.39N, 143.02E, h110km, mb4.8, mb5.1, IDC 03 20:32:32.9, 0.6, 12.52N, 142.64E, h97km, 4km, mb4.2/17, mb1 4.4/18, mb1mx4.3/25, mbmp4.6/18, MS3.6/1, Ms1 3.6/1, ms1mx2.7/25, Error ellipse: s-maj=15.8km s-min=10.2km az=83.0

IDC 03 20:57:53.4, 0.9, 2.88N, 96.16E, mb3.8/1/1, mb1 3.9/12, mb1mx3.9/17, mbmp3.8/12, ML3.9/1, Error ellipse: s-maj=33.4km s-min=19.3km az=51.0

IDC 03 20:57:55.8, 1.3, 2.88N, 96.14E, h33km, mb4.5/5, Error ellipse: s-maj=60.4km s-min=19.6km az=119.8

Table with columns: Code, Station Name, Time, Res, P, GUMO, Guam, etc. Includes data for stations like Guam, Kunigami, Lubang, etc.

















Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MKAR Zalesovo, KURK Kurchatov, KK31 Kurchatov Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YKA Yellowknife Arr, FINES FINES Array B, AKASE Malin Array Be, etc.

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

IDC 04 02:16:59.2.2.6, 2.96N-96.09E, mb3.8/5, mb1 3.9/6, mb1mx3.6/19, mbtmp3.7/6, ML4.1/1, Error ellipse: s-maj=95.4km s-min=28.1km az=57.0, Northern Sumatara

IDC 04 02:31:06.8.1.2.0, 8.7N-97.38E, mb3.9/10, mb1 4.1/11, mb1mx3.9/20, mbtmp3.9/11, ML4.2/1, MS3.4/1, M1 3.6/1, ms1mx2.6/27, Error ellipse: s-maj=55.4km s-min=16.1km az=54.0

IDC 04 02:31:09.4.0.7, 0.9N.0.1.97.4E.0.1, h30km, m1r, 0.074/16, mb3.9/12, Northern Sumatara

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, CMAR Chiang Mai Arr, FITZ Fitzroy Crossi, etc.

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

IGQ 04 02:25:03.0.0.95N-78.43W, h12km, 3km, mb4.0, 5C-7D, Error ellipse: s-maj=2.8km s-min=1.7km az=128.0, Colombia-Ecuador border region

JMA 04 02:32:42.0.4.0.4, 34.14N x 142.53E, h18km, M3.5, Off east coast of Honshu

IDC 04 02:36:12.9.2.6, 1.90N-96.75E, mb3.9/5, mb1 4.0/6, mb1mx3.7/19, mbtmp3.8/6, ML4.2/1, Error ellipse: s-maj=94.8km s-min=26.2km az=57.0, Off west coast of northern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ECEN Cerro Negro, LORE San Lorenzo, COTA Cotacachi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BSO1 Boso 1, BSO2 Boso 2, BSO3 Boso 3, etc.

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

NIED 04 02:26:00.34.10N, 142.40E, h8km, Mw3.9 Best double couple: Mo: 7.98x10^14 NP1: 175°, 86°, -102°. NP2: 081°, 832°, -70°

IDC 04 02:45:00.34.10N, 142.50E, h8km, Mw4.0 Best double couple: Mo: 1.13x10^15 NP1: 171°, 857°, -98°. NP2: 05°, 834°, -78°

IDC 04 02:45:00.34.10N, 142.50E, h8km, Mw4.0 Best double couple: Mo: 1.13x10^15 NP1: 171°, 857°, -98°. NP2: 05°, 834°, -78°

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BSO1 Boso 1, BSO2 Boso 2, BSO3 Boso 3, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHZK Chkalovo, BVAR Borovoye Array, WRAB Tennant Creek, etc.

NIED 04 02:45:00.34.10N, 142.50E, h8km, Mw4.0 Best double couple: Mo: 1.13x10^15 NP1: 171°, 857°, -98°. NP2: 05°, 834°, -78°

IDC 04 02:45:18.6.0.7, 34.11N x 142.41E, mb4.1/16, mb1 4.2/19, mb1mx4.2/24, mbtmp4.1/19, ML4.0/3, Error ellipse: s-maj=20.0km s-min=8.2km az=83.0

IDC 04 02:45:18.6.0.7, 34.11N x 142.41E, mb4.1/16, mb1 4.2/19, mb1mx4.2/24, mbtmp4.1/19, ML4.0/3, Error ellipse: s-maj=20.0km s-min=8.2km az=83.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JHO Hitachi, JHO Hitachi, JOD2 Odawara 2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BSO1 Boso 1, BSO2 Boso 2, BSO3 Boso 3, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FINES FINES Array B, AKASE Malin Array Be, NB2 NORARS Subarra, etc.

NIED 04 02:52:00.34.10N, 142.50E, h8km, Mw4.1 Best double couple: Mo: 1.56x10^15 NP1: 166°, 860°, -99°. NP2: 05°, 831°, -74°

IDC 04 02:52:48.1.0.7, 34.11N x 142.33E, mb4.0/14, mb1 4.2/17, mb1mx4.2/22, mbtmp4.0/17, ML4.0/3, MS3.4/1, M1 3.4/1, ms1mx2.8/22, Error ellipse: s-maj=18.3km s-min=15.9km az=109.0

IDC 04 02:52:48.1.0.7, 34.11N x 142.33E, mb4.0/14, mb1 4.2/17, mb1mx4.2/22, mbtmp4.0/17, ML4.0/3, MS3.4/1, M1 3.4/1, ms1mx2.8/22, Error ellipse: s-maj=18.3km s-min=15.9km az=109.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BSO1 Boso 1, BSO2 Boso 2, BSO3 Boso 3, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JOD2 Odawara 2, JIZS Izushimoda, JAG Ashikaga, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BSO1 Boso 1, BSO2 Boso 2, BSO3 Boso 3, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BSO4, CHOI, Mitsune, Hachijo jima 2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like LPAZ, IDC 04 03:05:44.0, etc.

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









LVV	ePPP	PPP	04 50 26.1	-7.3
LVV	eS	S	04 55 26.9	-10
LVV	MLR	MLR		
LVV	comp=Z,500nm,18.0s,MS4.9	MLR	MLR	
LVV	comp=E,700nm,10.0s	MLR	MLR	
LVV	comp=N,600nm,18.0s	MLR	MLR	
LVZ	<b>78.71 340</b>	eP	<b>04 45 45.3</b>	<b>-0.5</b>
LVZ	Lovozero	eS	04 55 54.6	-4.9
LVZ		e	04 55 50.7	
LVZ	comp=Z,49nm,0.8s,mb5.5	pmx	pmx	
LVZ	comp=E,12nm,0.9s	pmx	pmx	
LVZ	comp=N,386nm,3.3s	smx		
LVZ	comp=E,584nm,3.9s	smx		
LVZ	comp=Z,2um,21.0s,MS5.4	MLR	MLR	
BOLS	comp=E,845nm,15.0s	MLR	MLR	
BZS	Boljevac	iP	<b>04 45 45.6</b>	<b>-1.1</b>
SKO	Skopje	iP	<b>04 45 46.0</b>	<b>-1.3</b>
RPZ	Rata Peaks	iP	<b>04 45 47.9</b>	<b>+0.2</b>
APA	comp=E,70nm,0.8s,mb5.6,baz=270,slow=1.8,SNR=24			
APA	Apaitiy	iP	<b>04 45 46.7</b>	<b>-0.8</b>
APA		eS	04 55 42.0	-0.7
APA	comp=Z,59nm,0.9s,mb5.5	pmx	pmx	
APA	comp=Z,2um,19.0s,MS5.4	MLR	MLR	
KWP	Kalwaria	eP	<b>04 45 48.9</b>	<b>-0.1</b>
BZS	Buzias	iP	<b>04 45 48.9</b>	<b>-0.5</b>
KOLS	Kolonické sedl	iP	<b>04 45 50.6</b>	<b>+0.7</b>
GRUS	Gruza	iP	<b>04 45 50.9</b>	<b>-0.6</b>
SUW	Suwalki	iP	<b>04 45 51.1</b>	<b>-0.7</b>
SUW	comp=Z,180nm,1.0s,mb6.0	pmx	pmx	
SUW	Suwalki	iP	<b>04 45 51.0</b>	<b>-0.8</b>
SUW	Suwalki	iP	<b>04 45 52.5</b>	<b>+0.3</b>
FX1	Attu Island-F	iP	<b>04 45 52.5</b>	<b>+0.3</b>
CRVS	comp=Z,28nm,0.6s,mb5.6,baz=264,slow=4.9,SNR=11			
CRVS	Cervenica-Dubn	iP	<b>04 45 53.4</b>	<b>+0.7</b>
CRVS	FINES Array B	eP	<b>04 46 07.5</b>	<b>+1.2</b>
FINES	comp=Z,57nm,0.8s,mb5.6,baz=98,slow=5.7,SNR=205			
FINES	comp=Z,1.4nm,0.9s,baz=297,slow=6.2,SNR=6.2	PKKpb	05 04 39.1	
FINES	comp=Z,278nm,18.1s,MS4.6,baz=301,slow=4.3	LR	05 30 48.7	
PVY	Plabino	iP	<b>04 45 52.5</b>	<b>-1.1</b>
KAF	Kangasniemi	eP	<b>04 45 52.7</b>	<b>-0.5</b>
KAF	Kangasniemi	eP	<b>04 45 52.7</b>	<b>-0.5</b>
KAF	comp=Z,47nm,0.6s,mb5.6	pmx	pmx	
IVA	Berane	iP	<b>04 45 53.1</b>	<b>-0.9</b>
DIVS	Divcibare	iP	<b>04 45 54.1</b>	<b>-0.4</b>
KECS	Keccovo	iP	<b>04 45 55.3</b>	<b>+0.5</b>
KECS	Ulcinj	eP	<b>04 46 09.8</b>	<b>+0.4</b>
BILL	Bilibino	iP	<b>04 45 55.0</b>	<b>+1.1</b>
BILL	Bilibino	iP	<b>04 45 54.7</b>	<b>-0.9</b>
BILL	Bilibino	iP	<b>04 46 01.9</b>	
BILL	comp=Z,20nm,1.1s,mb5.0	pmx	pmx	
BILL	Bilibino	eP	<b>04 45 55.3</b>	<b>-0.3</b>
BILL	comp=Z,12nm,0.7s,mb4.9	LR	LR	
PYO	Pijevlja	iP	<b>04 45 56.2</b>	<b>-0.1</b>
SLE	Syowa Base	iP	<b>04 45 55.5</b>	<b>-0.5</b>
NIE	Niedzica	eP	<b>04 45 55.7</b>	<b>-1.3</b>
NKY	Niksic	iP	<b>04 45 56.0</b>	<b>-1.5</b>
PSZ	Piszkesteto	iP	<b>04 45 56.8</b>	<b>-0.6</b>
PSZ	comp=Z,33nm,0.9s,mb5.3	pmx	pmx	
PSZ	Piszkesteto	iP	<b>04 45 57.6</b>	<b>+0.2</b>
PSZ	Piszkesteto	iP	<b>04 45 57.3</b>	<b>-0.1</b>
PSZ	Piszkesteto	iP	<b>04 45 57.6</b>	<b>+0.2</b>
BUM	Brajci-Budva	iP	<b>04 45 56.7</b>	<b>-0.9</b>
UPM	Unac-Novi	iP	<b>04 45 57.1</b>	<b>-1.0</b>
HCV	Herczeg Hivi	iP	<b>04 45 58.0</b>	<b>+1.2</b>
BRY	Bratogost	iP	<b>04 45 58.1</b>	<b>-1.2</b>
SNZO	South Karori	PFAKE	<b>04 46 10.0</b>	<b>+1.1</b>
SNZO		LR	LR	
OJC	Ojcow	iP	<b>04 45 59.1</b>	<b>-0.3</b>
OJC		eS	04 56 05.4	-0.3
OJC		MLR	05 31 14.8	
PKSM	Moragy	iP	<b>04 46 00.7</b>	<b>-0.1</b>
PKSM	Moragy	iP	<b>04 46 00.8</b>	<b>-0.2</b>
VYHS	Vyhne	iP	<b>04 46 01.3</b>	<b>-0.2</b>
VYHS		e	04 46 08.0	
SRO	Srobarova	iP	<b>04 46 03.5</b>	<b>+0.7</b>
SRO1	Iza	iP	<b>04 46 03.9</b>	<b>+0.8</b>
KEV	Kevo	eP	<b>04 46 01.8</b>	<b>-1.3</b>
KEV	comp=Z,25nm,0.8s,mb5.2	pmx	pmx	
KEV	Kevo	eP	<b>04 46 01.8</b>	<b>-1.3</b>
TIP	comp=Z,25nm,0.8s,mb5.2	pmx	pmx	
OKC	Timpaqande	eP	<b>04 46 04.6</b>	<b>0.0</b>
OKC	Ostrava-Krasne	iP	<b>04 46 04.8</b>	<b>+0.2</b>
OKC		eS	04 56 16.4	+0.4
ORZ	Urewera	AMS	05 32 30.0	
URZ	comp=Z,300nm,17.9s			
MORC	Moravsky Berou	iP	<b>04 46 06.2</b>	<b>-0.3</b>
MORC	comp=Z,19nm,0.6s,mb5.2,baz=259,slow=2.8,SNR=16			
MORC	Moravsky Berou	eP	<b>04 46 06.7</b>	<b>+0.1</b>
MORC	comp=Z,34nm,1.1s,mb5.3	pmx	pmx	
MORC	Moravsky Berou	iP	<b>04 46 07.2</b>	<b>+0.6</b>
ZST	Bratislava	iP	<b>04 46 07.6</b>	<b>+0.3</b>
FGMS	Monte Sant Ang	iP	<b>04 46 08.3</b>	<b>-0.4</b>
KTK1	Kautokeino	eP	<b>04 46 08.4</b>	<b>-0.3</b>
KTK1	Kautokeino	iP	<b>04 46 08.8</b>	<b>0.0</b>
KTK1		Amb	04 46 09.6	
KTK1	comp=Z,98nm,0.7s,mb5.9	pmx	pmx	
KTK1	Sala Consiliina	eP	<b>04 46 18.5</b>	<b>-0.5</b>
SLCN	Kog	iP	<b>04 46 10.4</b>	<b>+0.9</b>
KOGS	Kog	iP	<b>04 46 09.5</b>	<b>0.0</b>
MGR	Morigerati	iP	<b>04 46 09.1</b>	<b>-0.7</b>
GKP	Gorka Klasztor	eP	<b>04 46 09.6</b>	<b>0.0</b>
MRLC	Muro Luciano	eP	<b>04 46 10.2</b>	<b>0.0</b>
FG4	Candela	iP	<b>04 46 10.6</b>	<b>+0.4</b>
SGO	Sicignano	eP	<b>04 46 10.8</b>	<b>0.0</b>
DPC	Dobruska-Polom	iP	<b>04 46 11.6</b>	<b>+0.7</b>
DPC		eP	04 46 20.0	-1.2
DPC		eS	04 56 28.0	-0.4
DPC		AMS	05 32 30.0	
KSP	Ksiaz	iP	<b>04 46 11.6</b>	<b>+0.4</b>
KSP		e	04 56 28.0	
CSSN	Cassano Irpino	eP	<b>04 46 12.1</b>	<b>0.0</b>
UPC	Uppone	eP	<b>04 46 12.4</b>	<b>+0.4</b>
ARSA	Arzberg	iP	<b>04 46 12.6</b>	<b>+0.3</b>
BOJS	Bojanci	iP	<b>04 46 12.5</b>	<b>-0.1</b>
BOJS		e	04 46 28.6	
PERS	Pernice	eP	<b>04 46 13.7</b>	<b>+0.1</b>
LJU	Ljubljana	iP	<b>04 46 15.6</b>	<b>+0.3</b>
OBKA	Obir	iP	<b>04 46 15.7</b>	<b>+0.3</b>
PRU	comp=Z,56nm,1.8s,mb5.4			
PRU	Pruhonice	eP	<b>04 46 16.7</b>	<b>+0.2</b>
PRU		eP	04 46 30.7	+3.9
PRU		eS	04 56 38.9	-0.6
PRU		AMS	05 33 10.0	
PVCC	comp=Z,400nm,19.5s			
PVCC	Panska Ves	eP	<b>04 46 16.6</b>	<b>0.0</b>
PVCC		eS	04 56 40.6	+0.9
PVCC		AMS	05 33 20.0	
SDI	San Donato	eP	<b>04 46 16.5</b>	<b>-0.4</b>
MOA	Molin	iP	<b>04 46 16.5</b>	<b>-0.3</b>
MIDW	Midway	AMS	05 33 20.0	
MIDW	Midway	PFAKE	<b>04 46 30.0</b>	<b>+1.3</b>
MIDW		LR	LR	
TRO	Tromso	comp=Z,100nm,21.0s,MS5.3		
TRO		eP	<b>04 46 15.9</b>	<b>-1.0</b>
TRO		LR	LR	

TRO	comp=Z,635um,15.8s			
TRO	Tromso	eP	<b>04 46 14.8</b>	<b>-2.1</b>
TRO		eP	04 46 15.9	
TRO		eS	04 56 33.2	
TRO		AMS	05 27 47.6	
BSD	comp=Z,635nm,15.8s,MS5.1			
BSD	Bornholm Skovb	iP	<b>04 46 16.8</b>	<b>-0.5</b>
BSD		pmx	pmx	
BSD	comp=Z,28nm,0.8s,mb5.4			
BSD	Bornholm Skovb	iP	<b>04 46 16.8</b>	<b>-0.5</b>
VOY	Vojsko	iP	<b>04 46 17.4</b>	<b>-0.2</b>
VOY		e	04 46 31.9	
PTQR	Pietraquaria	eP	<b>04 46 18.6</b>	<b>+0.1</b>
AQU	L'Aquila	eP	<b>04 46 18.6</b>	<b>+0.1</b>
AQU		pmx	pmx	
AQU	comp=Z,62nm,0.9s,mb5.7			
AQU	L'Aquila	eP	<b>04 46 18.6</b>	<b>+0.1</b>
BRG	Berggiesshobel	iP	<b>04 46 19.3</b>	<b>+0.6</b>
BRG		eP	04 46 28.5	-0.5
BRG		eS	04 56 44.0	+0.2
BRG	comp=Z,20nm,0.9s,mb5.2	pmx	pmx	
BRG	comp=N,340nm,14.6s,MS5.1	MLR	MLR	
BRG	comp=E,480nm,14.6s,MS5.1	MLR	MLR	
BRG	comp=Z,650nm,14.6s,MS5.2	MLR	MLR	
BRG	Berggiesshobel	iP	<b>04 46 19.3</b>	<b>+0.6</b>
BRG		pmx	pmx	
BRG	comp=Z,20nm,0.9s,mb5.2	i	04 46 28.5	-0.5
BRG		eS	04 56 44.0	+0.2
ROBS	Robic	eP	<b>04 46 18.6</b>	<b>-0.3</b>
GECC	GERESS Array S	eP	<b>04 46 19.3</b>	<b>+0.4</b>
GECC		eS	04 56 43.4	-0.8
GECC		pmx	pmx	
GECC	comp=Z,40nm,1.1s,mb5.5			
GECC	GERESS Array S	eP	<b>04 46 19.3</b>	<b>+0.4</b>
GERES	comp=Z,40nm,1.1s,mb5.5	eS	04 56 43.4	-0.8
GERES	GERESS Array B	eP	<b>04 46 19.2</b>	<b>+0.3</b>
GERES	comp=Z,24nm,0.9s,mb5.3,baz=104,slow=5.5,SNR=106			
GERES		LR	05 31 11.4	
KHC	Kasperke Hory	eP	<b>04 46 19.5</b>	<b>+0.1</b>
KHC		eP	04 46 32.6	+2.9
KHC		eS	04 56 44.9	-0.2
KHC	comp=Z,300nm,20.1s,MS4.7	MLR	MLR	
KHC	Kasperke Hory	eP	<b>04 46 19.5</b>	<b>+0.1</b>
KHC		eP	04 47 32.6	+2.9
KHC		eS	04 56 44.9	-0.2
KHC	comp=Z,300nm,20.1s,MS4.7	LR	LR	
KHC	Kasperke Hory	eP	<b>04 46 19.5</b>	<b>+0.1</b>
KHC		eP	04 46 32.6	+2.9
KHC		eS	04 56 44.9	-0.2
KHC	comp=Z,300nm,20.1s,MS4.7	AMS	AMS	
KHC	Kasperke Hory	eP	<b>04 46 19.5</b>	<b>+0.1</b>
KHC		eP	04 46 32.6	+2.9
KHC		eS	04 56 44.9	-0.2
KHC	comp=Z,300nm,20.1s,MS4.7	AMS	AMS	
PTCC	Patocco-Chiusa	eP	<b>04 46 19.5</b>	<b>0.0</b>
NRCA	Norcia	iP	<b>04 46 19.7</b>	<b>0.0</b>
KBA	Koelnbreinspre	iP	<b>04 46 19.3</b>	<b>-0.4</b>
KBA	comp=Z,20nm,1.2s,mb5.1	pmx	pmx	
KBA	Koelnbreinspre	iP	<b>04 46 19.3</b>	<b>-0.4</b>
KBA		pmx	pmx	
GMNA	Gemona	eP	<b>04 46 20.0</b>	<b>+0.1</b>
SNTO	Esanoglia	eP	<b>04 46 20.9</b>	<b>+0.5</b>
ARV	Arcevia	eP	<b>04 46 21.0</b>	<b>+0.6</b>
FSSB	Fossombrone	eP	<b>04 46 21.8</b>	<b>+0.7</b>
MNS	Montasola	eP	<b>04 46 20.5</b>	<b>-0.7</b>
ASS	Assisi	eP	<b>04 46 20.9</b>	<b>-0.5</b>
FVI	Forni Avoltri	eP	<b>04 46 21.3</b>	<b>-0.2</b>
WET	Wetzell	eP	<b>04 46 21.9</b>	<b>+0.2</b>
WET		eS	04 56 49.7	+0.1
WET		pmx	pmx	
WET	comp=Z,27nm,0.8s,mb5.5			
WET	Wetzell	eP	<b>04 46 21.9</b>	<b>+0.2</b>
WET	comp=Z,27nm,0.8s,mb5.5	eS	04 56 49.7	+0.1
CLL	Collm	iP	<b>04 46 21.6</b>	<b>-0.2</b>
CLL		eS	04 56 48.0	-1.8
CLL		pmx	pmx	
CLL	comp=Z,16nm,1.0s,mb5.2	MLR	MLR	
CLL	comp=Z,400nm,19.6s,MS4.8			
CLL	Collm	iP	<b>04 46 21.6</b>	<b>-0.2</b>
CLL	comp=Z,16nm,1.0s,mb5.2	i	04 46 24.7	
CLL		eS	04 56 48.0	-1.8
CLL		LR	LR	
CLL	comp=Z,400nm,19.6s,MS4.8			
CLL	Collm	iP	<b>04 46 21.6</b>	<b>-0.2</b>
CLL	comp=logA/T=1.2,mb5.2	iPCP	04 46 24.7	-0.4
CLL		iPP	04 46 29.7	-2.4
CLL		eP	04 46 36.2	
CLL		e	04 56 48.0	-1.8
CLL		eS	04 46 22.5	+0.2
RSM	Repubblica di	eP	<b>04 49 45.2</b>	<b>+1.9</b>
HFS	comp=Z,33nm,0.6s,mb5.7,baz=124,slow=5.3,SNR=86			
NKC	Novy Kostel	eP	<b>04 46 23.8</b>	<b>+0.5</b>
NKC		eP	04 46 33.4	-0.2
NKC		eS	04 56 52.9	+0.2
NKC		AMS	05 31 00.0	
NKC	comp=Z,500nm,21.3s	AMS	AMS	
MOR8	Moi Rana	eP	<b>04 46 23.4</b>	<b>+0.3</b>
MOR8	Moi Rana	eP	<b>04 46 22.6</b>	<b>-0.5</b>
MOR8		Amb	04 46 23.5	
VNDA	Vanda	eP	<b>04 46 25.0</b>	<b>+1.3</b>
VNDA	comp=Z,30nm,0.9s,mb4.5,baz=300,slow=5.6,SNR=13			











EQES	10.0nm,0.3s,SNR=7.9	S	Sn	07 06 51.8 -0.1
EHUE	Huescar	2.95 19	P Pn	07 06 19.9 +0.9
EHUE	Huescar	2.95 19	S P	07 06 56.5 +1.6
EHUE	Huescar	2.95 19	S P	07 06 19.9 +0.9
EHUE	1.0nm,0.1s,SNR=4.0	S	Sn	07 06 54.0 -0.9
EHUE	Huescar	2.95 19	P Pn	07 06 19.9 +0.9
EHUE	1.0nm,0.1s,SNR=4.0	S	Sn	07 06 53.5 -1.4
EHOR	Hornachos	3.01 338	P Pn	07 06 20.3 +0.5
EHOR	2.3nm,0.4s,SNR=7.9	S	Sn	07 06 55.1 -1.2
EHOR	3.5nm,0.4s,SNR=7.9	S	Sn	07 06 55.1 -1.2
KIB	Ei Kisiba	3.06 218	i P	07 06 20.0 -0.5
KIB	Ei Kisiba	3.13 1	P	07 06 56.0 -1.5
EBAN	Banos Encina	3.13 1	P	07 06 22.0 +0.5
EBAN	1.2nm,0.6s,SNR=7.9	S	Sn	07 06 58.8 -0.5
EBAN	6.6nm,0.4s,SNR=7.9	S	Sn	07 06 21.5 -0.8
EADA	Adamuz	3.19 349	P Pn	07 07 00.8 0.0
EADA	Adamuz	3.19 349	P Pn	07 06 22.3 -0.1
EADA	Adamuz	3.19 349	P Pn	07 06 22.3 -0.1
EADA	0.9nm,0.1s,SNR=7.9	S	Sn	07 06 59.7 -1.1
EADA	2.3nm,0.2s,SNR=7.9	S	Sn	07 06 22.3 0.0
EADA	Adamuz	3.19 349	P Pn	07 06 22.3 0.0
EADA	0.9nm,0.1s,SNR=7.9	S	Sn	07 07 00.8 0.0
ECAB	Ei Cabril	3.30 338	P Pn	07 06 23.6 -0.3
ECAB	Ei Cabril	3.30 338	P Pn	07 06 23.6 -0.3
AVE	Averroes	3.43 241	P Pn	07 06 25.5 -0.3
EMUR	La Murta	3.50 36	P Pn	07 06 28.1 +1.4
EMUR	La Murta	3.50 36	P Pn	07 06 28.1 +1.4
EMUR	La Murta	3.50 36	P Pn	07 06 28.1 +1.4
EMUR	5.8nm,0.4s,SNR=4.0	S	Sn	07 07 07.4 -1.2
EMUR	2.8nm,0.2s,SNR=7.9	S	Sn	07 06 28.1 +1.4
EMUR	La Murta	3.50 36	P Pn	07 06 28.1 +1.4
EMIN	Mina Concepcio	3.57 321	P Pn	07 06 26.2 -2.5
EMIN	Mina Concepcio	3.57 321	P Pn	07 06 26.2 -2.5
EMIN	Mina Concepcio	3.57 321	P Pn	07 06 26.2 -2.5
EMIN	1.4nm,0.2s,SNR=25	S	Sn	07 06 26.2 -2.5
EMIN	1.5nm,0.1s,SNR=7.9	S	Sn	07 07 07.4 -2.9
EMIN	Mina Concepcio	3.57 321	P Pn	07 06 26.2 -0.6
EMIN	1.4nm,0.2s,SNR=25	S	Sn	07 06 26.2 -0.6
TZC	Tazerconce	3.63 218	i P	07 07 10.0 -2.0
TZC	Tazerconce	3.63 218	i P	07 07 10.0 -2.0
EVIA	Vianos	3.76 16	P Pn	07 06 30.0 -0.1
EVIA	3.0nm,0.4s,SNR=7.9	S	Sn	07 07 12.9 -2.3
EVIA	9.5nm,0.5s,SNR=7.9	S	Sn	07 07 12.9 -2.3
EGRO	Ei Granado	3.87 311	P Pn	07 06 30.4 -1.5
EGRO	Ei Granado	3.87 311	P Pn	07 07 12.7 -5.2
EGRO	Ei Granado	3.87 311	P Pn	07 06 30.6 -1.4
EGRO	5.3nm,0.2s,SNR=13	S	Sn	07 07 13.5 -4.4
EGRO	6.9nm,0.2s,SNR=7.9	S	Sn	07 06 30.5 -1.4
EGRO	Ei Granado	3.87 311	P Pn	07 06 30.5 -1.4
ETOB	Tobarra	4.05 26	P Pn	07 06 35.4 +0.9
ETOB	Tobarra	4.05 26	P Pn	07 07 21.9 -0.6
ETOB	Tobarra	4.05 26	P Pn	07 06 35.2 +0.7
ETOB	1.4nm,0.2s,SNR=12	S	Sn	07 07 20.6 -2.0
ETOB	1.2nm,0.2s,SNR=7.9	S	Sn	07 06 35.2 +0.7
ETOB	1.4nm,0.2s,SNR=12	S	Sn	07 06 35.2 +0.7
ETOB	1.2nm,0.2s,SNR=7.9	S	Sn	07 07 20.5 -2.0
PBEJ	Beja	4.42 314	ePn	07 06 37.7 -2.1
PBEJ	Beja	4.42 314	ePn	07 07 26.7 -5.2
PBEJ	Beja	4.42 314	ePn	07 06 37.7 -2.1
PBEJ	Beja	4.42 314	ePn	07 07 26.7 -5.2
EBAD	Badajoz	4.51 327	P Pn	07 06 40.2 -0.9
EBAD	Badajoz	4.51 327	P Pn	07 07 29.5 -4.7
EBAD	Badajoz	4.51 327	P Pn	07 06 39.8 -1.3
EBAD	5.4nm,0.3s,SNR=7.1	S	Sn	07 07 29.8 -4.4
EBAD	7.4nm,0.2s,SNR=7.9	S	Sn	07 06 40.2 -0.9
EBAD	Badajoz	4.51 327	P Pn	07 06 40.2 -0.9
ESDC	Sonseca Array	4.64 359	P Pn	07 06 43.4 +0.5
ESDC	Sonseca Array	4.64 359	P Pn	07 06 42.6 -0.3
ESDC	Sonseca Array	4.64 359	P Pn	07 06 43.4 +0.5
ESDC	3.9nm,0.1s,baz=178,slow=12,SNR=3.5	S	Sn	07 07 33.5 -4.0
ESDC	1.7nm,0.4s,baz=182,slow=23,SNR=7.9	S	Sn	07 06 43.4 +0.5
ESDC	Sonseca Array	4.64 359	P Pn	07 06 43.4 +0.5
ELEN	Beniarda	4.67 37	P Pn	07 06 42.4 -1.0
ELEN	Beniarda	4.67 37	P Pn	07 07 31.1 -7.2
ELEN	Beniarda	4.67 37	P Pn	07 06 42.4 -1.0
ELEN	0.4nm,0.2s,SNR=7.9	S	Sn	07 07 35.0 -3.3
ELEN	0.4nm,0.2s,SNR=4.0	S	Sn	07 06 42.4 -1.0
ELEN	Beniarda	4.67 37	P Pn	07 06 42.4 -1.0
ELEN	0.4nm,0.2s,SNR=7.9	S	Sn	07 07 35.0 -3.3
ELEN	0.4nm,0.2s,SNR=4.0	S	Sn	07 07 35.0 -3.3
PTEO	Sao Teotonio	4.68 304	eSn	07 07 32.7 -5.9
PTEO	Sao Teotonio	4.68 304	eSn	07 07 32.7 -5.9
PTEO	Sao Teotonio	4.68 304	eSn	07 07 32.7 -5.9
PTEO	4.8nm,0.3s	S	Sn	07 07 45.2 -3.8
ECHE	Chera	5.09 26	P Pn	07 06 48.8 -0.5
ECHE	1.2nm,0.5s,SNR=7.9	S	Sn	07 07 45.2 -3.8
OUK	Oukaimeden	5.10 223	i P	07 06 48.0 -1.4
CIA	Chichaua	5.36 231	i P	07 06 52.0 -1.4
PCBR	Castello Branco	5.61 330	ePn	07 06 55.7 -0.9
PCBR	Castello Branco	5.61 330	ePn	07 07 56.9 -5.0
PCBR	Castello Branco	5.61 330	P Pn	07 06 55.7 -0.9
PCBR	Castello Branco	5.61 330	P Pn	07 07 56.9 -5.0
EIBI	Ibiza	5.75 45	S P	07 06 58.1 -0.5
EIBI	Ibiza	5.75 45	S P	07 07 59.7 -5.7
EIBI	Ibiza	5.75 45	S P	07 06 58.1 -0.5
EIBI	2.3nm,0.2s,SNR=7.9	S	Sn	07 08 00.1 -5.3
EIBI	1.2nm,0.2s,SNR=7.9	S	Sn	07 06 58.1 -0.5
PTOM	Tomas	5.86 323	ePn	07 06 58.3 -1.8
EMOS	Mosqueruela	5.95 26	S	07 08 06.4 -4.2
ECAL	Calabor	7.27 343	P Pn	07 07 19.0 -1.0
ECAL	Calabor	7.27 343	P Pn	07 07 18.4 -1.6
ECAL	1.1nm,0.2s,SNR=6.9	S	Sn	07 08 36.8 -6.6
ECAL	8.1nm,0.7s,SNR=7.9	S	Sn	07 07 19.0 -1.0
ECAL	Calabor	7.27 343	P Pn	07 07 19.0 -1.0
EPOB	Pobleit	7.40 30	P Pn	07 08 40.8 -6.0
EPOB	3.2nm,0.5s,SNR=7.9	S	Sn	07 07 22.7 -1.8
ELOB	Lobios	7.59 335	P Pn	07 07 22.7 -1.8
ELOB	2.5nm,0.4s,SNR=7.9	S	Sn	07 08 43.9 -7.6
EARI	Arriondas	8.33 353	P Pn	07 07 33.2 -1.6
EARI	4.4nm,1.4s,SNR=7.9	S	Sn	07 07 34.2 -1.2
EALK	Alkurruntz	8.38 12	P P	07 07 34.2 -1.2
EPON	Pontenova	8.68 344	P P	07 07 38.1 -1.5
EPON	3.3nm,0.6s,SNR=7.9	S	Sn	07 07 38.1 -1.5

SOMN	Songino Array	45.84 9	P P	07 36 34.1 -1.8
ZAL	Zalesovo	52.15 351	P P	07 37 21.9 -2.6
ZAL	1.0nm,0.5s,baz=331,slow=6.1,SNR=3.9	S	Sn	
IDC 04 07:50:50.82,4.8,28.235;178.57W,h203km,63km,mb3.3/2,mb1.3,8/12,mb1mx3.3/12,mbtmp3.9/2,Error ellipse: s-maj=222.2km s-min=46.3km az=172.0				
ISC 04 07:50:51.6,2.3,29.9S;0.1x178.4W,0.7,h222km,24km,n11,+f33/13,mb3.4/2,Kermadec Islands				
Code	Station Name	Δ° AZ°	Phase ID	Time Res h m s ISC
RAO	Raoul Island	0.71 34	Op	07 51 23.9 +1.6
RAO	734nm,0.3s,baz=281,slow=22,SNR=40	S	Sn	
RAO	325nm,0.3s,baz=66,slow=22,SNR=4.2	S	Sn	07 51 45.2 -1.1
MXZ	Matakaoa Point	8.18 199	SN	07 54 20.0 +1.1
PUZ	Puketiti	8.67 198	SN	07 52 52.9 -1.3
PUZ	Puketiti	8.67 198	SN	07 54 26.2 +2.5
MWZ	Matawai	9.12 201	PN	07 52 59.1 -0.9
MWZ	Matawai	9.12 201	PN	07 54 43.0 +2.4
KNZ	Kokohu	9.27 199	SN	07 54 53.2 -0.9
KNZ	Kokohu Island	12.27 199	SN	07 55 51.7 -1.4
KNZ	Nelson	13.17 208	SN	07 55 12.7 -0.7
MOZ	McQueen's Vall	15.57 205	SN	07 57 03.2 -3.8
ASAR	Alice Springs	42.82 267	P P	07 58 29.7 +0.4
WRA	Warramunga Arr	43.76 272	P P	07 58 37.2 +0.3
WRA	4.0nm,0.4s,mb3.2,baz=99,slow=6.0,SNR=5.5	S	Sn	
FINES	FINES Array B	144.52 340	PKP	08 10 01.1 +0.6
FINES	0.7nm,0.4s,baz=45,slow=7.2,SNR=9.1	S	Sn	
IDC 04 08:00:39.5,2.0,17.48S;178.67W,h514km,24km,mb3.6/9,mb1.3,8/11,mb1mx3.6/11,mbtmp4.5/11,Error ellipse: s-maj=57.4km s-min=12.0km az=154.0				
NEIC 04 08:00:39.5,1.0,17.49S;178.67W,h518km,13km,mb4.1/5,Error ellipse: s-maj=48.6km s-min=8.9km az=154.0				
ISC 04 08:00:38.4,1.4,17.2S;0.5x178.9W,0.2,h508km,20km,n22,+o89/21,mb4.0/13,4D,Fiji Islands region				
Code	Station Name	Δ° AZ°	Phase ID	Time Res h m s ISC
AFI	Afiamau	7.58 66	Op	08 02 31.0 -0.7
DZM	Mont Dzumac	14.65 248	P P	08 03 47.9 +2.7
DZM	0.4nm,0.3s,baz=90,slow=19,SNR=3.4	S	Sn	
ARMA	Armidale	29.93 238	eP	08 06 06.3 +0.2
CTA	Charters Tower	33.12 259	P P	08 06 34.1 +0.8
CTA	3.5nm,0.3s,mb4.0,baz=85,slow=5.1,SNR=3.6	S	Sn	
PMG	Port Moresby	33.88 279	P P	08 06 43.2 +3.5
PMG	18nm,0.8s,mb4.6,baz=84,slow=10,SNR=3.7	S	Sn	
STKA	Stevens Creek	38.59 240	i P	08 07 18.7 +0.3
STKA	Stevens Creek	38.59 240	i P	08 07 18.8 +0.4
STKA	5.9nm,0.4s,mb4.3,baz=91,slow=9.3,SNR=34	S	Sn	
WB2	Warramunga Arr	44.31 259	i P	08 08 03.5 -0.7
WRAB	Tennant Creek	44.31 259	i P	08 08 03.6 -0.7
WRAB	6.3nm,0.3s,mb4.2	S	Sn	
WRA	Warramunga Arr	44.32 259	P P	08 08 03.8 -0.6
WRA	2.2nm,0.4s,mb3.9,baz=96,slow=7.1,SNR=26	S	Sn	
ASAR	Alice Springs	44.55 254	P P	08 08 05.9 -0.2
ASAR	3.9nm,0.6s,mb4.9,baz=88,slow=8.1,SNR=540	S	Sn	
ASPA	Alice Springs	44.55 254	i P	08 08 05.9 -0.3
FITZ	Fitzroy Crossi	52.70 260	i P	08 09 06.7 -0.5
FITZ	3.8nm,0.4s,mb4.1	S	Sn	
MBWA	Marble Bar	57.81 255	eP	08 09 41.4 -1.5
MBWA	3.1nm,0.3s,mb4.1	S	Sn	
YBH	Yreka Blue Hor	78.24 39	P P	08 11 46.6 +0.2
YBH	1.2nm,0.8s,mb3.4,baz=177,slow=3.2,SNR=2.7	S	Sn	
NVAR	Mina Array Bea	79.21 44	P P	08 11 52.0 +0.5
NVAR	1.3nm,0.6s,mb4.9,baz=228,slow=6.6,SNR=6.9	S	Sn	
NVAR	Mina Array Bea	79.21 44	P P	08 11 52.0 +0.5
HLID	Hailey	84.37 41	eP	08 12 18.3 +0.7
HLID	0.7nm,0.7s,mb3.3	S	Sn	
TXAR	Lajitas Array	85.99 58	P P	08 12 26.4 +0.6
TXAR	1.4nm,0.6s,mb4.6,baz=217,slow=12.9,SNR=17	S	Sn	
YKA	Yellowknife Arr	93.85 25	P P	08 13 00.9 -0.5
YKA	0.4nm,0.7s,mb3.5,baz=247,slow=4.4,SNR=10	S	Sn	
YKA	Yellowknife Arr	93.85 25	P P	08 13 00.9 -0.5
GERES	GERESS Array B	146.77 345	PKPbc	08 19 23.8 +1.8
GERES	0.5nm,0.3s,baz=297,slow=3.0,SNR=3.7	S	Sn	
BUJ 04 08:04:56.5,0.41N;97.49E,h40km,mb5.0,mb4.7,Ms4.6,Ms2.4				
MOS 04 08:04:59.0,1.3,0.86N;97.34E,h33km,mb5.0/13,Error ellipse: s-maj=12.5km s-min=6.9km az=105.0				
NEIC 04 08:05:00.5,0.4,0.84N;97.35E,h30km,mb4.7/26,Error ellipse: s-maj=12.2km s-min=6.5km az=52.0				
NEIC Feilij at Padang Sumatera				
IDC 04 08:05:03.2,7.2,0.93N;97.40E,h53km,65km,mb4.1/14,mb1.4,3/15,mb1mx4.2/19,mbtmp4.4/15,ML4=1.1,MS3.9/5,Ms1.4/0/5,ms1mx3.5/27,Error ellipse: s-maj=26.7km s-min=13.1km az=59.0				
ISC 04 08:04:58.7,1.7,0.85N;0.05-97.37E,0.06,h31km,12km,h33km,1.2km,pp-P,n107,+f17/113,mb4.6/51,MS4.1/14,6C-3D,Northern Sumatra				
Code	Station Name	Δ° AZ°	Phase ID	Time Res h m s ISC
PPI	Padang Panjang	3.29 113	Op	08 05 54.0 +4.6
IPM	Ipoh	5.20 44	P Pn	08 06 17.3 +0.8
KULM	Kulim	5.49 361	eP	08 06 20.5 -0.1
KGM	Kluang	6.05 79	P Pn	08 06 30.1 +1.5
PENI	Pendang	10.06 129	i P	08 07 19.3 -5.2
PENI	comp=Z,71nm,0.5s	S	Sn	
PENI	Pendang	10.06 129	i P	08 07 19.3 -5.2
PENI	comp=Z,71nm,0.5s	S	Sn	
PASI	Pasiripis	11.11 133	i P	08 07 31.5 -7.2
PULI	Pulau	11.17 130	i P	08 07 33.6 -6.0
CMAR	Chiang Mai Arr	17.56 5	P P	08 09 02.5 -0.5
CMAR	comp=Z,0.6nm,0.3s,baz=193,slow=12,SNR=15	S	Sn	
CMAR	comp=Z,546nm,18.5s,baz=195,slow=39	S	Sn	
KKM	Kota Kinabalu	19.50 74	eP	08 09 26.0 -0.5
VIS	Vishakhapatnam	21.72 321	eP	08 09 52.0 +2.6
TANI	Tanete Lujapan	22.41 101	eP	08 09 56.3 0.0
NINI	Niniconang			

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MKAR Makanchi Array, ZAK Zakamensk, TLY Talaya, etc.

IDC 04 08:57.58.9.3.6, 1.06N-97.41E, mb3.8/5, mbl 3.9/5, mb1mx3.7/16, mbtmp3.8/5, Error ellipse: s-maj=150.5km s-min=21.5km az=58.0, Northern Sumatara

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, SONM Songina Array, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like RAO Raoul Island, AFU Afiamalu, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga, FORT Forrest, GUMU Guam, etc.

























Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NVAR Mina Array Bea, QLMT Earthquake Lak, YMR Madison River, etc.

NEIC 04 13:25:19.9, 17.15N, 101.33W, h47km, MD3.6(MEX), After-MEX

MEX 04 13:25:20.1-0.7, 17.07N-101.34W, h16km, 22km, MD3.6, 1D, Near coast of Guerrero

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

ISC 04 13:52:46.6-1.2, 8.6N-97.73E, mb3.4/4, mb1 3.6/4, mb1mx3.4/16, mbtpp3.4/4, Error ellipse: s-maj=308.5km s-min=24.9km az=56.0, Northern Sumatara

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, ZAL Zalesovo.

NEIC 04 13:55:47.6-0.8, 18.11N-68.85W, h88km, 11km, mb3.9/2, MD3.9(RSPR), Error ellipse: s-maj=12.5km s-min=7.2km

ISC 04 13:55:48.2-2.3, 18.09N-68.69W, h97km, 31km, mb3.5/4, mb1 3.9/7, mb1mx3.5/22, mbtpp4.0/7, Error ellipse: s-maj=26.2km s-min=18.6km az=130.0

RSPR 04 13:55:50.0, 17.71N-68.75W, h217km, 53km, MD3.9/15, MD3.9/15

ISC 04 13:55:47.4-0.8, 18.05N-107.68W, 0.09, h107km, 11km, n28, d070/42, mb3.9/6, 12C-3D, Mona

Passage

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CRPR Cabo Rojo, CRPR Cabo Rojo, CRPR Cabo Rojo, etc.

ISC 04 14:06:06.0-1.7, 5.41N-94.39E, mb3.8/7, mb1 3.9/7, mb1mx3.8/18, mbtpp3.8/7, Error ellipse: s-maj=75.7km s-min=21.0km az=56.0

NEIC 04 14:06:09.5-0.8, 5.18N-94.12E, h30km, mb4.3/3, Error ellipse: s-maj=20.0km s-min=10.2km az=50.0

ISC 04 14:06:07.8-1.0, 5.2N-101.94E, 0.1, h30km, n12, d076/12, mb3.9/10, Northern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KULM Kulim, KULM Chiang Mai Arr, MKAR Makanchi Array.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SONM Songino Array, WRA Warramunga Arr, WRAB Tennant Creek, etc.

ISC 04 14:20:16.3-1.4, 1.42N-98.17E, mb3.9/9, mb1 4.1/9, mb1mx4.0/17, mbtpp3.9/9, MS3.3/1, Ms1 3.5/1, ms1mx2.9/17, Error ellipse: s-maj=73.6km s-min=16.6km az=53.0

NEIC 04 14:20:19.0-0.9, 0.94N-97.57E, h30km, mb4.1/3, Error ellipse: s-maj=27.3km s-min=12.4km az=62.0

ISC 04 14:20:16.1-0.9, 0.9N-101.97E, 0.2, h30km, n15, d092/15, mb3.9/12, Northern Sumatara

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

ISC 04 14:32:26.2-3.7, 2.22N-97.41E, mb3.8/3, mb1 4.0/4, mb1mx3.5/18, mbtpp3.7/4, ML3.8/1, Error ellipse: s-maj=151.1km s-min=25.7km az=59.0, Northern Sumatara

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

ISC 04 14:33:09.5-2.4, 12.93S-167.45E, mb4.0/7, mb1 4.1/7, mb1mx4.0/16, mbtpp4.0/7, Error ellipse: s-maj=85.3km s-min=24.5km az=132.0

ISC 04 14:33:13.1-2.2, 13.0S-167.4E, 0.4, h33km, n7, d059/7, mb3.8/7, Vanuatu Islands

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

ISC 04 15:12:21.0-0.7, 14.60N-93.43E, mb4.0/13, mb1 4.1/14, mb1mx4.1/20, mbtpp4.0/14, ML4.1/1, MS3.7/5, Ms1 3.8/5, ms1mx3.5/21, Error ellipse: s-maj=27.9km s-min=13.3km az=52.0

BJJ 04 15:12:24.1, 14.94N-93.62E, h7km, mb4.7, mb4.5, Ms4.2, Ms2.9

MOS 04 15:12:24.0-1.1, 14.72N-93.50E, h33km, mb4.7/14, Error ellipse: s-maj=13.4km s-min=8.1km az=105.9

NEIC 04 15:12:24.7-0.5, 14.70N-93.47E, mb4.5/15, Error ellipse: s-maj=11.3km s-min=7.1km az=46.0

ISC 04 15:12:22.8-0.5, 14.68N-106.93E, 0.04, h25km, h25km, n7, 9km, p-P, n7e, d1923/82, mb4.3/32, MS3.7/8, 2D, Andaman Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BDT Bhumbiol Dam, NNT Nonpang, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like LSA Lhasa, GKN Gorkha, KOLN Koldan, etc.

ISC 04 15:22:00.0-0.8, 15.14N-88.17E, mb3.9/9, mb1 4.1/9, mb1mx4.0/17, mbtpp3.9/9, MS3.3/1, Ms1 3.5/1, ms1mx2.9/17, Error ellipse: s-maj=73.6km s-min=16.6km az=53.0

NEIC 04 15:22:00.0-0.8, 15.14N-88.17E, mb3.9/9, mb1 4.1/9, mb1mx4.0/17, mbtpp3.9/9, MS3.3/1, Ms1 3.5/1, ms1mx2.9/17, Error ellipse: s-maj=73.6km s-min=16.6km az=53.0

ISC 04 15:22:00.0-0.8, 15.14N-88.17E, mb3.9/9, mb1 4.1/9, mb1mx4.0/17, mbtpp3.9/9, MS3.3/1, Ms1 3.5/1, ms1mx2.9/17, Error ellipse: s-maj=73.6km s-min=16.6km az=53.0

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

4d 16h

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

4d 15:21:08.9,30.0,20.97S,178.87W,mb4.5/4,mb1 4.6/4, mb1mx4.1/15,mbtmp4.5/4,4D, Error ellipse: s-maj=566.4km s-min=130.7km az=89.0,Fiji Islands region

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

CASC 04 15:35:41.6;2.0,13.14N,90.43W,h25km,6km,MD4.0, 6C-5D, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IXC Ixpaco, SBL S El Retiro, etc.

4d 15:53:42.7,1.3,26.53N,142.51E,mb3.9/6,mb1 4.0/6, mb1mx3.6/21,mbtmp3.9/6, Error ellipse: s-maj=47.0km s-min=13.1km az=70.0,Bonin Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CBJ Chichi jima, HNR Honiara, etc.

TAP 04 15:56:16.3,0.4,24.09N,121.83E,h18km,ML3.4 TAP Fellt IV at Nanau, I J at Suao, I J at Nioudou, I J at Nanshan.

JMA 04 15:56:16.3,0.4,24.09N,121.83E,h27km,ML2.4 ISC 04 15:56:17.0,4.2,24.50N,121.92E,0.02,h14km,2km, n52,0;68779,2C-4D,Taiwan

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

2005 APR

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TAP Taipei, TWP Tachien, ESLS Shilin, etc.

4d 16:05:28.6;2.1,6.64S,129.40E,mb3.4/1,mb1 3.9/4, mb1mx3.6/14,mbtmp3.7/4,ML3.7/3,MS4.4/1,Ms1 4.4/1, ms1mx2.9/17, Error ellipse: s-maj=79.9km s-min=28.1km az=76.0,Banda Sea

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

LDG 04 16:13:43.8;0.4,14.44S,169.43E,h10km, Error ellipse: s-maj=78.8km s-min=3.8km az=104.0

4d 16:13:53.7,7.7,14.68S,167.22E,h83km,80km,mb3.8/7, mb1 4.0/8,mb1mx3.8/17,mbtmp4.1/8,ML4.5/1, Error ellipse: s-maj=61.7km s-min=29.3km az=149.0

NEIC 04 16:13:54.3;2.8,14.70S,167.17E,h86km,27km, Error ellipse: s-maj=30.7km s-min=14.1km az=161.0

ISC 04 16:13:53.2;3.7,14.75S,0.2;167.2E,0.2,h90km,39km,n32, 0;675/17,mb3.8/7,13C,Vanuatu Islands

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

LDG 04 16:31:54.9;3.0,0.33S,96.98E,mb3.9/6,mb1 4.0/7, s-maj=117.1km s-min=19.2km az=55.0

NEIC 04 16:31:59.0;9.0,0.28S,97.06E,h30km,mb4.1/1, Error ellipse: s-maj=25.4km s-min=11.1km az=66.0

ISC 04 16:31:57.2;1.2,0.35S,0.1;97.0E,0.2,h30km,n11, 0;659/10,mb3.9/7,Southeast of Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, CMAR Chiang Mai Arr, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, SONM 0.7mg, MKAR Makanchi Array, etc.

NIED 04 16:59:00.32,90N,141.80E,h5km,Mw4.4 Best double couple: M=5.25x10^15 NP1 phi=175, delta=1, lambda=0. NP2 phi=355, delta=2, lambda=0

IDC 04 16:59:29.2;0.6,32.72N,141.75E,mb4.1/18,mb1 4.3/19, mb1mx4.2/25,mbtmp4.2/19,ML4.2/1,MS3.9/9,Ms1 3.9/9, ms1mx3.5/31, Error ellipse: s-maj=18.5km s-min=14.1km az=83.0

JMA 04 16:59:29.5;0.5,32.90N,141.83E,M3.9 MOS 04 16:59:31.9;1.2,32.72N,141.76E,h33km,mb4.6/8, Error ellipse: s-maj=19.5km s-min=8.4km az=115.4

BUJ 04 16:59:32.3;2.80N,141.80E,h33km,mb4.6,mb3.9, ms1mx3.5/31,Ms24.0

NEIC 04 16:59:34.3;3.8,32.76N,141.75E,h33km,26km,mb4.5/13, MW4.4(NIED), Error ellipse: s-maj=11.7km s-min=8.0km az=91.0

ISC 04 16:59:29.8;1.6,32.79N,0.0;141.83E,0.06,h18km,12km, n79,0;f101/86,mb4.3/32,MS3.9/10,Southeast of Honshu

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



<b>4d 17h</b>									
<b>BAIF</b>	<b>Baives</b>	5.61 40	Pn	Pn	17 09 16.4	-4.1			
BAIF			Sn	Sg	17 10 15.6	-10			
BAIF			Sg	Sg	17 10 48.3	-13			
	11nm,0.5s								
<b>PBRG</b>	<b>Braganca</b>	5.63 225	ePn	Pn	17 09 16.9	-3.9			
PBRG			eSn	Sn	17 10 17.4	-8.9			
	6.0nm,0.4s								
<b>PBRG</b>	<b>Braganca</b>	5.63 225	ePn	Pn	17 09 16.9	-3.9			
PBRG			eSn	Sn	17 10 17.4	-8.9			
	6.0nm,0.4s								
<b>HAU</b>	<b>Haudompre</b>	5.72 66	ePn	Pg	17 09 16.4	-5.7			
HAU			ePg	Pg	17 09 39.2	-10			
HAU			Pn	Pg	17 09 16.4	-5.7			
<b>HAU</b>	<b>Haudompre</b>	5.72 66	ePn	Pg	17 09 16.4	-5.7			
HAU			ePg	Pg	17 09 39.2	-10			
HAU			Pn	Pg	17 09 16.4	-5.7			
<b>HAU</b>	<b>Haudompre</b>	5.72 66	ePn	Pg	17 09 16.4	-5.7			
HAU			ePg	Pg	17 09 39.2	-10			
HAU			Pn	Pg	17 09 16.4	-5.7			
<b>LPL</b>	<b>La Plagne</b>	5.73 91	ePg	Pg	17 09 40.6	-8.8			
LPL			eSg	Sg	17 10 52.8	-13			
	28nm,0.5s								
<b>LPL</b>	<b>La Plagne</b>	5.73 91	Pg	Pg	17 09 42.5	-6.9			
LPL			Lg	Lg	17 10 52.8				
	14nm,0.5s								
<b>LPG</b>	<b>La Plagne</b>	5.75 91	ePn	Pn	17 09 19.4	-3.1			
LPG			eSg	Sg	17 10 52.9	-13			
	34nm,0.5s								
<b>LPG</b>	<b>La Plagne</b>	5.75 91	Pn	Pn	17 09 20.4	-2.1			
MBDF			ePn	Pn	17 09 19.9	-4.9			
MBDF			eSn	Sg	17 10 23.1	-10			
MBDF			eSg	Sg	17 10 56.8	-15			
	24nm,0.7s								
<b>GIVF</b>	<b>Givet</b>	5.92 43	ePn	Pn	17 09 20.4	-4.6			
GIVF			eSn	Sn	17 10 24.2	-10			
GIVF			eSg	Sg	17 10 58.8	-13			
	45nm,0.5s								
<b>GIVF</b>	<b>Givet</b>	5.92 43	Pn	Pn	17 09 20.4	-4.6			
GIVF			Lg	Lg	17 10 24.2	-10			
GIVF			Sg	Sg	17 10 58.8	-13			
	11nm,0.5s								
<b>STS</b>	<b>Santiago</b>	5.93 242	Pn	Pn	17 09 21.8	-3.3			
STS			Sn	Pn	17 10 24.3	-10			
<b>STS</b>	<b>Santiago</b>	5.93 242	Pn	Pn	17 09 21.8	-3.3			
STS			Sn	Pn	17 10 24.9	-9.0			
	11nm,0.2s,SNR=6.6								
<b>HINF</b>	<b>Hinterfeld</b>	5.99 69	ePn	Pn	17 09 20.6	-5.3			
HINF			ePg	Pg	17 09 44.3	-10			
HINF			eSn	Sg	17 10 25.1	-10			
HINF			eSg	Sg	17 10 59.8	-15			
	5.4nm,0.2s								
<b>HINF</b>	<b>Hinterfeld</b>	5.99 69	ePn	Pn	17 09 20.6	-5.3			
HINF			ePg	Pg	17 09 44.3	-10			
HINF			eSn	Sg	17 10 25.1	-10			
HINF			eSg	Sg	17 10 59.8	-15			
	52nm,0.4s								
<b>HINF</b>	<b>Hinterfeld</b>	5.99 69	ePn	Pn	17 09 20.6	-5.3			
HINF			ePg	Pg	17 09 44.3	-10			
HINF			eSn	Sg	17 10 25.1	-10			
HINF			eSg	Sg	17 10 59.8	-15			
	26nm,0.4s								
<b>EMAZ</b>	<b>Mazaricos</b>	6.17 244	Pn	Pn	17 09 24.7	-3.7			
EMAZ			Sn	Sn	17 10 30.1	-10			
	7.2nm,0.1s,SNR=9.3								
<b>EMAZ</b>	<b>Mazaricos</b>	6.17 244	Pn	Pn	17 09 24.7	-3.7			
EMAZ			Sn	Pn	17 10 30.1	-10			
	11nm,0.2s								
<b>FRF</b>	<b>La Foret Royal</b>	6.22 109	ePn	Pn	17 09 24.8	-4.3			
FRF			eSn	Sg	17 10 30.7	-10			
FRF			eSg	Sg	17 11 07.4	-15			
	21nm,0.7s								
<b>FRF</b>	<b>La Foret Royal</b>	6.22 109	Pn	Pn	17 09 25.5	-3.6			
FRF			Sn	Pn	17 10 30.7	-10			
FRF			Lg	Lg	17 11 06.8				
<b>FRF</b>	<b>La Moure</b>	6.23 112	ePn	Pn	17 09 25.5	-3.8			
FRF			ePg	Pg	17 09 49.2	-10			
FRF			eSn	Sg	17 10 30.8	-10			
FRF			eSg	Sg	17 11 08.4	-14			
	21nm,0.9s								
<b>LMR</b>	<b>La Moure</b>	6.23 112	Pn	Pg	17 09 25.5	-3.8			
LMR			Lg	Lg	17 11 07.3				
LMR			Pn	Pn	17 09 25.5	-3.8			
LMR			Sn	Sn	17 10 30.1	-10			
LMR			Lg	Lg	17 11 08.4				
	10nm,0.9s								
<b>LMR</b>	<b>La Moure</b>	6.23 112	Pg	Pg	17 09 25.5	-3.8			
ELOB			Pn	Pn	17 09 26.3	-3.6			
ELOB			Sn	Pn	17 10 32.7	-10			
<b>ELOB</b>	<b>Lobios</b>	6.27 232	Pn	Pn	17 09 26.3	-3.6			
ELOB			Sn	Pn	17 10 33.0	-9.5			
	2.4nm,0.1s,SNR=12								
<b>ELOB</b>	<b>Lobios</b>	6.27 232	Pn	Pn	17 09 26.3	-3.6			
ELOB			Sn	Pn	17 10 33.0	-9.5			
	3.8nm,0.2s								
<b>ELOB</b>	<b>Lobios</b>	6.27 232	Pn	Pn	17 09 26.3	-3.6			
ELOB			Sn	Pn	17 10 33.0	-9.5			
	2.4nm,0.1s,SNR=12								
<b>ECHE</b>	<b>Chera</b>	6.33 177	Sn	Pn	17 10 34.1	-10			
	1.8nm,0.4s,SNR=7.9								
<b>CDF</b>	<b>Champ du Feu</b>	6.44 64	ePn	Pn	17 09 25.7	-6.5			
CDF			ePg	Pg	17 09 52.0	-12			
CDF			eSn	Sg	17 10 35.4	-11			
CDF			eSg	Sg	17 11 15.3	-14			
	34nm,0.4s								
<b>CDF</b>	<b>Champ du Feu</b>	6.44 64	Pn	Pg	17 09 25.7	-6.5			
CDF			Pg	Pg	17 09 52.0	-12			
CDF			Sn	Pg	17 10 34.7	-12			
CDF			Lg	Lg	17 11 15.3				
	0.0nm,0.4s								
<b>EZAM</b>	<b>Zamans</b>	6.45 237	Pn	Pn	17 09 28.7	-3.7			
EZAM			Sn	Sn	17 10 37.7	-9.2			
	3.6nm,0.4s,SNR=7.9								
<b>EZAM</b>	<b>Zamans</b>	6.45 237	Pn	Pn	17 09 28.7	-3.7			
EZAM			Sn	Pn	17 10 37.7	-9.2			
	8.0nm,0.5s,SNR=7.9								
<b>WLS</b>	<b>Welschbruch</b>	6.49 64	Pn	Pn	17 09 28.4	-4.5			
<b>ESDC</b>	<b>Sonsec Array</b>	6.51 197	Pn	Pn	17 09 29.3	-4.0			
ESDC			Sn	Pn	17 10 37.6	-11			
ESDC			Pn	Pn	17 09 29.3	-4.0			
	0.4nm,0.2s,baz=16,slow=13,SNR=52								
<b>ESDC</b>	<b>Sonsec Array</b>	6.51 197	Pn	Pn	17 09 29.3	-4.0			
ESDC			Sn	Pn	17 10 38.9	-10			
	baz=18,slow=23,SNR=7.9								
<b>ESDC</b>	<b>Sonsec Array</b>	6.51 197	Pn	Pn	17 09 29.3	-4.0			
RUP			Pn	Pn	17 09 33.7	-4.4			
<b>ETOS</b>	<b>Mallorca</b>	6.89 152	Pn	Pn	17 09 35.3	-3.4			
ETOS			Sn	Pn	17 10 49.0	-9.0			
ETOS			Sn	Pn	17 09 35.3	-3.4			
	2.8nm,0.3s,SNR=4.0								
<b>ETOS</b>	<b>Mallorca</b>	6.89 152	Pn	Pn	17 09 35.3	-3.4			
ETOS			Sn	Pn	17 10 47.6	-10			
	3.2nm,0.3s,SNR=4.0								
<b>ETOS</b>	<b>Mallorca</b>	6.89 152	Pn	Pn	17 09 35.3	-3.4			
ETOS			Sn	Pn	17 10 49.0	-9.0			
	1.8nm,0.4s,SNR=4.0								
<b>MTE</b>	<b>Manteigas</b>	7.10 221	eSn	Sn	17 10 52.1	-11			
	4.5nm,0.5s								
<b>MTE</b>	<b>Manteigas</b>	7.10 221	eSn	Sn	17 10 52.1	-11			
MTE			Pn	Pn	17 09 38.3	-4.4			
<b>EIBI</b>	<b>Ibiza</b>	7.19 162	Pn	Pn	17 10 55.0	-10			
EIBI			Sn	Pn	17 09 38.3	-4.4			
<b>EIBI</b>	<b>Ibiza</b>	7.19 162	Pn	Pn	17 10 55.0	-10			
EIBI			Sn	Pn	17 10 53.6	-12			
	1.8nm,0.2s,SNR=4.0								
<b>EIBI</b>	<b>Ibiza</b>	7.19 162	Pn	Pn	17 09 38.3	-4.4			
EIBI			Sn	Pn	17 10 55.0	-10			
<b>EIBI</b>	<b>Ibiza</b>	7.19 162	Pn	Pn	17 09 38.3	-4.4			
EIBI			Sn	Pn	17 10 53.6	-12			





Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Rows include IVRN, AKASG, IDI, MKAR, FINES, DBIC.

MOS 04 17:34:18.3:0.7, 1.83N-97.04E, h33km, mb4.6/7, Error ellipse: s-maj=38.5km s-min=13.4km az=101.1

IDC 04 17:34:19.5:0.8, 1.83N-96.87E, h26km, mb3.8/12, mb1.3/13, mb1mx3.9/19, mbtmp3.9/13, MS3.7/1, MS3.5/2, Ms1.3/2, ms1mx3.1/18, Error ellipse: s-maj=36.2km s-min=11.8km az=53.0

NEIC 04 17:34:19.7:0.4, 1.85N-96.92E, mb4.3/13, Error ellipse: s-maj=11.3km s-min=6.2km az=56.0

ISC 04 17:34:17.8:0.6, 1.87N-10.09-96.9E, 0.1, h27km, h27km, 8km; p-P, n38, o8:87/35, mb4.2/25, MS3.5/2, Off west coast of northern Sumatara

Main table for the left column containing station data for KULM, CMAR, JIRN, GUN, DMN, KKN, LSA, ENH, FITZ, NWAO, WRA, WRAB, WRAB, ASAR, AAK, SONM, MKAR, ZAL, STKA, ATD, BVAR, CHKZ, YSS, YAK, BTR, AKASG, FINES, GERES, CFAA.

IDC 04 17:54:29.1:2.3, 0.20N-97.01E, h33km, mb3.6/6, mb1.3/7, mb1mx3.5/16, mbtmp3.7/7, ML3.6/1, MS2.7/1, Ms1.2/9, ms1mx2.7/16, Error ellipse: s-maj=91.8km s-min=15.6km az=60.0

NEIC 04 17:54:30.0:0.9, 0.29N-97.21E, mb4.1/1, Error ellipse: s-maj=24.1km s-min=8.7km az=70.0

ISC 04 17:54:27.8:1.2, 0.30N-1.97-2E, 0.2, h33km, (h37km, 9km; p-P), n11, o5:51/11, mb3.9/7, Northern Sumatara

Table for the bottom left column containing station data for KULM, CMAR, WRA, WRA, WRAB, WB2, ASAR, SONM, SONM, MKAR, MKAR, STKA, STKA, ZAL, CHKZ, BRTR, BRTR, MATP.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Rows include STKA, ZAL, ZAL.

IDC 04 17:57:26.3:57.0, 18.87S-175.73W, mb4.1/3, mb1.4/3, s-maj=1064.0km s-min=163.9km az=82.0, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Rows include STKA, WRA, ASAR.

IDC 04 18:12:27.2:1.0, 13.82N-93.14E, mb3.6/7, mb1.3/8, mb1mx3.7/17, mbtmp3.6/8, ML4.1/1, MS3.3/1, Ms1.3/3, ms1mx2.7/20, Error ellipse: s-maj=39.5km s-min=18.3km az=59.0

NEIC 04 18:12:31.7:1.0, 13.94N-93.17E, h30km, mb3.9/7, Error ellipse: s-maj=25.1km s-min=12.1km az=47.0

ISC 04 18:12:29.8:0.8, 13.99N-109.93-30E, 0.07, h30km, n16, o12:3/17, mb3.6/8, MS3.3/1, Andaman Islands region

Main table for the middle column containing station data for CMAR, VIS, JIRN, GUN, DMN, KKN, GKN, KOLN, MKAR, SONM, ZAL, ZAL, WRA, ASAR, FINES, GERES.

IDC 04 18:16:14.4:0.7, 0.10N-96.82E, h31km, mb3.9/11, mb1.4/12, mb1mx4.0/16, mbtmp4.1/12, ML4.3/1, MS3.0/1, Ms1.3/2, ms1mx4.5/22, Error ellipse: s-maj=34.4km s-min=11.7km az=82.0

BUI 04 18:16:15.1, 0.30N-97.10E, h31km, mb5.2, mb4.3, Ms4.3, Ms3.9

NEIC 04 18:16:15.1:0.5, 0.31N-97.10E, mb4.3/9, Error ellipse: s-maj=16.3km s-min=8.4km az=50.0

ISC 04 18:16:12.9:0.6, 0.20N-1.97-0E, 0.1, h32km, h32km, 9km; p-P, n33, o8:86/29, mb4.2/21, MS3.7/1, Off west coast of northern Sumatara

Main table for the right column containing station data for OLEF, LRYF, CHIF, LCHF, MFF, MFF, LFF, LFF, LFF, RJJ, RJJ, RJJ, QUIF, QUIF, QUIF, GGMF, GGMF, GRR, TCF, TCF, CAF, CAF, CAF, ROSF, ROSF, ROSF, LDF, LDF, LDF, SJPF, SJPF, FLN, FLN, BGF, BGF, ELAN, ELAN, ETSF, ETSF, ETSF, EPF, EPF, EPF, AVF, AVF, AVF, EBIE, EBIE, EBIE, MATP.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Rows include AKASG, AKASG, FINES, GERES, GERES, NOA, NOA, ULM, ULM, TXAR, TXAR.

IDC 04 18:49.8:2.4, 0.22N-97.05E, h33km, mb3.6/6, mb1.3/9, mb1mx3.7/16, mbtmp3.9/7, ML3.5/1, Error ellipse: s-maj=104.0km s-min=15.1km az=59.0

NEIC 04 18:18:50.3:0.8, 0.29N-97.15E, mb4.2/2, Error ellipse: s-maj=21.6km s-min=8.4km az=67.0

ISC 04 18:18:48.0:1.1, 0.30N-1.97-1E, 0.2, h33km, (h35km, 5km; p-P), n13, o5:62/13, mb4.0/8, Northern Sumatara

Main table for the top right column containing station data for KULM, CMAR, WRA, WRAB, WB2, ASAR, SONM, MKAR, MKAR, MKAR, ZAL, ZAL, ZAL, ZAL, CHKZ.

LDG 04 18:23:44.6:0.1, 45.93N-1.39W, h5km, Md2.6/1, Ml2.4/2, Error ellipse: s-maj=2.0km s-min=1.4km az=60.0

NEIC 04 18:23:45.6, 45.94N-1.37W, h10km, Ml2.8(STR), Ml2.4(LDG), After STR

MDD 04 18:23:45.3:0.7, 45.93N-1.36W, h10km, mb2.2/3, Error ellipse: s-maj=5.4km s-min=4.3km az=68.0, PRXIMO STR 04 18:23:45.6:0.6, 45.94N-1.37W, h10km, Ml2.4, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0, France

Main table for the bottom right column containing station data for OLEF, LRYF, CHIF, LCHF, MFF, MFF, LFF, LFF, LFF, RJJ, RJJ, RJJ, QUIF, QUIF, QUIF, GGMF, GGMF, GRR, TCF, TCF, CAF, CAF, CAF, ROSF, ROSF, ROSF, LDF, LDF, LDF, SJPF, SJPF, FLN, FLN, BGF, BGF, ELAN, ELAN, ETSF, ETSF, ETSF, EPF, EPF, EPF, AVF, AVF, AVF, EBIE, EBIE, EBIE, MATP.



Table with columns for flight codes (e.g., KKM, KMI, KMA), destinations (e.g., Kota Kinabalu, Kunming), times, and status indicators (e.g., eP, P, S).

Table with columns for flight codes (e.g., NJ2, FITZ, KSH), destinations (e.g., comp=Z,50nm,1.0s,mb5.4), times, and status indicators (e.g., S, AMB, P).

Table with columns for flight codes (e.g., CHMS, EKS2, USP), destinations (e.g., Chumysh, Erkin-Say, Osenovka), times, and status indicators (e.g., P, P, P).

KMBO	LR	LR	20 07 32.6		
KMBO	comp-Z,159nm,20.8,MS4.1,baz=100,slow=32	P			
KMBO	Kilima Mbogo 57.80 266 eP	P	19 46 58.7 +1.0		
KMBO	comp-Z,17nm,0.9s,mb5.1				
KMBO	Sve	e	pP	19 47 13.3 +1.4	
SVE	Sve	e	P	19 47 02.0 -0.3	
SVE	Sve	e		19 47 23.0	
SVE	comp-Z,44nm,1.0s,mb5.4				
SVE	comp=N,100nm,17.0s	MLR	MLR		
SVE	comp-Z,400nm,17.0s,MS4.6				
ZEI	Tsey 58.79 318 eP	P	19 47 03.8 -0.4		
ZEI		i	pP	19 47 20.5 +2.1	
ZEI		i	P	19 49 13.1	
ZEI	comp-Z,20nm,0.9s,mb5.2				
YSS	Yuzh-Sakhalins 58.86 36 iP	P	19 47 04.4 -0.3		
YSS		e	pP	19 47 18.2 -0.7	
YSS	comp-Z,60nm,1.0s,mb5.6				
YSS	Yuzh-Sakhalins 58.86 36 eP	P	19 47 03.5 -1.1		
YSS	comp-Z,58nm,1.0s,mb5.6				
ARU	Arti 59.02 337 iP	P	19 47 04.7 -0.9		
ARU		e	P	19 47 53.4	
ARU		eS	S	19 49 13.6	
ARU		eSS	SS	19 55 09.5 +2.8	
ARU		eSS	SS	19 59 02.8 -0.1	
ARU	comp-Z,14nm,1.2s,mb4.9				
ARU	Arti 59.02 337 eP	P	19 47 03.9 -1.7		
KIV	Kislovodsk 60.09 319 iP	P	19 47 12.0 -1.2		
KIV	comp-Z,6.1nm,0.6s,mb4.8				
KIV	comp-Z,65nm,1.3s,mb5.5				
KIV	Kislovodsk 60.09 319 eP	P	19 47 12.3 -0.9		
KIV	comp-Z,50nm,1.1s,mb5.0				
GOF	Gofitskoye 60.33 320 iP	P	19 47 12.7 -2.2		
GOF	comp-Z,30nm,1.0s,mb5.3				
ASF	Jabal al Asfar 60.50 304 P	P	19 47 16.9 +0.8		
ASF	comp-Z,4.6nm,0.6s,mb4.31,slow=5.9,SNR=4.9				
ASF	LR	LR	20 13 05.3		
MALT	Malatya 61.01 312 iP	P	19 47 19.3 -0.2		
GZT	Gaziantep 61.36 310 iP	P	19 47 22.1 +0.1		
EIL	Eilat 61.58 301 eP	P	19 47 23.6 +0.1		
EIL	comp-Z,36nm,1.2s,mb5.4				
SOC	Sochi 61.91 318 iP	P	19 47 24.0 -1.5		
SOC		e	pP	19 48 02.8	
SOC		ePPP	PPP	19 51 08.1 -5.5	
SOC		eS	S	19 55 47.5 +3.6	
SOC		eS	S	19 57 12.2	
SOC		eSS	SS	19 59 48.5 +0.1	
SOC	comp-Z,47nm,1.0s,mb5.6				
SOC	comp=N,11nm,0.8s				
SOC					
COBT	iskender-E 62.13 309 iP	P	19 47 26.9 -0.2		
YAK	Yakutsk 62.75 18 d iP	P	19 47 28.7 -2.2		
YAK		e	pP	19 47 41.0 -4.2	
YAK		e	S	19 48 04.4	
YAK		eS	S	19 55 52.1 -2.1	
YAK		e'SS	SS	19 56 12.4	
YAK		e		19 56 30.6	
YAK	comp-Z,28nm,1.0s,mb5.3				
YAK	comp=N,11nm,1.1s				
YAK	comp=E,7.0nm,1.1s				
YAK	comp-Z,7.0nm,0.9s,mb4.8				
YAK	comp=N,4.0nm,1.0s				
YAK	comp=E,2.0nm,0.9s				
YAK	comp=N,10.0nm,1.1s				
YAK	comp=E,1.0nm,0.9s				
YAK	comp=N,83nm,14.0s,MS4.2				
YAK	comp-Z,136nm,14.0s,MS4.3				
YAK	comp=E,94nm,17.0s,MS4.2				
YAK	Yakutsk 62.75 18 eP	P	19 47 28.7 -2.2		
YAK	comp=E,67nm,1.1s,mb5.7				
MEST	Erdemli 63.79 309 iP	P	19 47 37.6 -0.6		
ANN	Anapa 63.89 318 eP	P	19 47 35.0 -3.6		
ANN	comp-Z,30nm,1.2s,mb5.2				
MBAR	Mbarara 64.22 267 P	P	19 47 41.4 +0.1		
MBAR	comp-Z,78nm,0.9s,mb5.7,SNR=8.8				
MBAR	Mbarara 64.22 267 eP	P	19 47 41.5 +0.2		
MBAR		e	pP	19 47 56.4 +0.7	
MBAR		e			
MBAR	comp-Z,20nm,1.1s,mb5.1				
MBAR	Mbarara 64.22 267 eP	P	19 47 41.5 +0.2		
MBAR	comp-Z,20nm,1.1s,mb5.1				
MBAR	BOYAT 64.54 314 iP	P	19 47 56.4 +0.7		
BRTR	Keskin Array B 64.98 312 P	P	19 47 42.1 -0.8		
BRTR	comp-Z,25nm,0.7s,mb5.3,baz=126,slow=7.3,SNR=107				
VRSR	Storozhevoye 65.31 325 d iP	P	19 47 45.6 -2.1		
VRSR		eS	S	19 56 28.0 +2.1	
VRSR		eSS	SS	20 00 45.5 +4.2	
VRSR		eSSS	SSS	20 03 33.6 -0.7	
VRSR	comp-Z,40nm,0.8s,mb5.5				
VRSR	comp=N,10.0nm,1.0s				
VRSR	comp=E,40nm,0.9s				
VRSR	comp=N,120nm,4.1s				
VRSR	comp-Z,60nm,4.4s				
VRSR	comp=E,90nm,3.6s				
VRSR	Storozhevoye 65.31 325 eP	P	19 48 00.9 -1.2		
VRSR	comp-Z,10.0nm,0.8s,mb4.9				
VRSR	comp=N,10.0nm,0.9s				
VRSR	comp=E,20nm,0.8s				
ELDT	Eldivan 65.35 313 iP	P	19 47 47.4 -0.7		
VOR	Voronezh 65.52 326 eP	P	19 47 47.0 -2.0		
VOR	comp=N,30nm,1.2s				
VOR	comp=E,30nm,1.2s				
BALT	Daday 65.66 314 iP	P	19 47 49.6 -0.6		
SIM	Simferopol 66.16 317 eP	P	19 47 52.1 -1.1		
SIM	comp-Z,31nm,0.9s,mb5.3				
ESKT	Esiksehir 67.02 311 P	P	19 47 57.9 -0.8		
MOS	Moscow 68.09 329x iP	P	19 48 04.5 -0.7		
MOS		e	pP	19 48 12.1	
MOS		e	P	19 48 23.3 +3.6	
MOS		e		19 48 31.3	
MOS	comp-Z,82nm,0.7s,mb5.9				
OBN	Obninsk 68.38 328x iP	P	19 48 05.8 -1.1		
OBN		i	pP	19 48 24.6 +3.1	
OBN		i	S	19 57 00.1 -2.8	
OBN		eS			
OBN	comp-Z,106nm,1.6s,mb5.6				
OBN	comp-Z,100nm,21.0s,MS4.0				
OBN	Obninsk 68.38 328 eP	P	19 48 05.4 -1.5		
ULDT	Uludag 68.44 311 iP	P	19 48 07.0 -0.7		
LSZ	Lusaka 68.89 252 eP	P	19 48 11.0 +0.3		
LSZ		e	pP	19 48 26.3 +1.0	
LSZ		e			

LSZ	comp-Z,22nm,0.9s,mb5.1				
LSZ	Lusaka 68.89 252 eP	P	19 48 11.0 +0.3		
LSZ	comp-Z,22nm,0.9s,mb5.1				
MA2	Magadan 69.23 27 d iP	P	19 48 26.2 +0.9		
MA2		e	pP	19 48 41.1 -0.7	
MA2		e	pP	19 48 24.9 -1.8	
MA2	comp-Z,20nm,0.7s,mb5.2				
MA2	comp=E,4.0nm,0.8s				
MA2	comp=N,9.0nm,1.2s				
MA2	Magadan 69.23 27 eP	P	19 48 11.2 -0.9		
MA2	comp=N,28nm,0.7s,mb5.3				
MA2	Bornova 69.52 309 iP	P	19 48 24.8 -2.0		
MA2	Matopo 69.69 246 LR	LR	19 48 14.3 +0.1		
MA2	comp=N,22nm,19.6s,MS4.4,baz=48,slow=32				
PSN	Preselentsi 69.92 315 eP	P	19 48 16.0 -0.6		
TIRX	Tirgusor 69.94 316 iP	P	19 48 15.7 -1.0		
TIXI	Tiksi 70.16 11 iP	P	19 48 16.2 -1.4		
CFR	Carcailiu 70.30 316 iP	P	19 48 18.2 -0.7		
HARR	Harsova 70.33 316 iP	P	19 48 18.9 -0.2		
PRD	Provdia 70.37 314 eP	P	19 48 19.0 -0.4		
JMB	Jambou 70.72 312 eP	P	19 48 22.0 0.0		
AKASG	Malin Array Be 71.02 322 P	P	19 48 21.4 -1.8		
AKASG	comp=N,19nm,0.6s,mb5.2,baz=89,slow=5.3,SNR=82				
AKASG	comp=N,5.7nm,0.5s,baz=87,slow=5.5,SNR=7.7				
ISR	Irish 71.38 316 iP	P	19 48 24.4 -1.0		
VRI	Vrincioia 71.42 317 iP	P	19 48 26.1 +0.5		
CASY	Casey 71.75 173 eP	P	19 48 27.5 +0.2		
MLR	Murtele 71.88 316 iP	P	19 48 28.6 +0.3		
RZN	Rozhen 72.03 312 eP	P	19 48 29.0 -0.3		
PLD	Ploudiv 72.11 313 eP	P	19 48 29.0 -0.8		
OUR	Ouranopolis 72.36 311 eP	P	19 48 29.8 -1.5		
PAIG	Pailouri 72.52 310 eP	P	19 48 32.0 -0.4		
MMB	Musomiste 72.74 312 eP	P	19 48 32.0 -1.6		
SRG	Sarai 72.77 312 eP	P	19 48 33.0 0.0		
BURAR	Bucuvina Array 72.81 318 iP	P	19 48 34.4 +0.5		
BURAR	Bucuvina Array 72.81 318 iP	P	19 48 34.3 +0.4		
SOH	Sokhos 72.90 311 eP	P	19 48 33.6 -1.0		
KKB	Krupnik 73.26 312 eP	P	19 48 35.0 -1.7		
VTS	Vitosh 73.28 313 iP	P	19 48 35.9 -0.9		
VTS	Vitosh 73.28 313 iP	P	19 48 36.0 -0.8		
VTS	Vitosh 73.28 313 iP	P	19 48 35.9 -0.9		
KNT	Kendrikon 73.30 311 eP	P	19 48 36.0 -0.9		
LBTB	Lobatse 73.36 242 eP	P	19 48 38.2 +0.7		
LBTB		e'PP	pP	19 48 53.4 +1.2	
LBTB		e	pmax		
LBTB	comp-Z,39nm,0.8s,mb5.4				
LBTB	Lobatse 73.36 242 eP	P	19 48 38.1 +0.6		
LBTB	comp-Z,39nm,0.8s,mb5.4				
LBTB	Agios Georgios 73.43 309 eP	P	19 48 53.4 +1.2		
LIT	Lifokhoron 73.45 310 eP	P	19 48 36.6 -1.2		
GRG	Griva 73.64 311 eP	P	19 48 37.9 -1.0		
JOF	Joensuu 73.95 335 eP	pP	19 48 49.8 -5.1		
JOF	Joensuu 73.95 335 eP	pmax	19 48 49.8 -5.1		
JOF	comp-Z,124nm,0.4s,mb6.2				
BNS	Bojivac 74.38 314 iP	P	19 48 42.5 -0.6		
FOLA	Florina 74.39 311 iP	P	19 48 41.8 -1.4		
LKD	Lekvas 74.70 309 eP	P	19 48 42.2 -2.8		
LVZ	Lovozero 74.72 340 eP	P	19 48 40.0 -8.6		
KWP	Kalvaria 74.84 320 iP	P	19 48 45.9 +0.2		
SVIS	Svilajnac 74.97 315 eP	P	19 48 45.7 -0.8		
KOLS	Kolonickie sedl 75.00 319 iP	P	19 48 47.4 +0.9		
APA	Apajew 75.00 340 iP	P	19 48 45.8 -0.4		
APA		i	pP	19 48 54.4	
APA		i	pmax	19 48 03.5 +2.6	
IGT	Igoumenitsa 75.03 310 eP	P	19 48 45.8 -1.1		
SUW	Suwalki 75.49 325 eP	P	19 48 41.4 -0.5		
CRVS	Cervenica-Dubn 75.52 319 eP	P	19 48 50.2 +0.7		
MAW	Mawson 75.62 192 LR	LR	20 14 08.2		
MAW	comp-Z,250nm,18.5s,MS4.5,baz=197,slow=29				
FINES	FINESS Array B 75.78 332 P	P	19 48 50.2 -0.5		
FINES	comp-Z,9.2nm,0.5s,mb5.0,baz=94,slow=5.7,SNR=98				
FINES	comp-Z,4.2nm,0.4s,baz=98,slow=5.5,SNR=6.6				
FINES	comp-Z,121nm,18.3s,MS4.2,baz=153,slow=39				
DIVS	Diviche 75.82 314 iP	P	19 48 50.7 -0.7		
KAF	Kangasniemi 75.87 333 eP	P	19 48 49.7 -1.6		
KAF	Kangasniemi 75.87 333 eP	pmax	19 48 49.7 -1.6		
KAF	comp-Z,3.0nm,0.4s,mb4.6				
KECS	Kecco 76.09 319 iP	P	19 48 53.2 +0.4		
NIE	Niedzica 76.34 320 eP	P	19 48 53.4 -0.8		
PSZ	Piszkesteto 76.40 318 iP	P	19 48 54.7 +0.1		
PSZ	Piszkesteto 76.40 318 iP	P	19 48 54.1 -0.5		
OJC	Ojcow 76.79 320 iP	P	19 48 56.9 +0.2		
PKSM	Moragy 77.03 316 iP	P	19 48 57.4 -0.7		
VYHS	Vyhne 77.18 319 iP	P	19 48 59.0 +0.1		
SROZ	Sroca 77.38 318 eP	P	19 49 00.5 +0.5		
SRO	Srobarova 77.44 318 iP	P	19 49 01.2 +0.8		
SRO		e	pP	19 49 13.4 -1.7	
OKC	Ostrava-Krasne 77.80 320 eP	P	19 49 01.9 +0.8		
KEV	Kevo 78.00 341 eP	P	19 49 02.5 -0.8		
KEV	comp-Z,1.2nm,0.4s,mb4.2				
KEV	Kevo 78.00 341 eP	pmax	19 49 02.2 -0.8		
MORC	Moravsky Berou 78.18 320 eP	P	19 49 04.6 +0.2		
MORC	comp-Z,1.0nm,0.4s,mb4.1				
MORC	Moravsky Berou 78.18 320 eP	pP	19 49 19.4 +0.3		
MORC	comp-Z,35nm,1.1s,mb5.2				
MORC	Moravsky Berou 78.18 320 eP	P	19 49 04.6 +0.2		
MORC	comp-Z,35nm,1.1s,mb5.2				
MORC					

4d 19h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Montbardon, La Plagne, Bardonecchia, etc.

2005 APR

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

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





Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AAK Ala-Archa, SONM Songino Array, MKAR Makanchi Array, etc.

PRU 04 20:35:09.6, 50.14N, 19.01E
WAR 04 20:35:08.0, 50.10N, 19.18E, h0km, ML2.4, Mining Induced, Poland

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like OJC Ojcow, Ostrava-Krasne, NIE Niedzica, etc.

JMA 04 20:52:38.3, 40.2, 28.75N, 128.32E, h5km, 4km, M3.1
IDC 04 20:52:39.5, 3.0, 28.69N, 127.98E, mb3.4/5, mb1 3.6/5, mb1mx3.4/21, mb1mp3.4/5, Error ellipse: s-maj=153.7km, s-min=16.5km az=68.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JTK Tokonushima, JAM Amami Oshima, JZK Kikashima, etc.

IDC 04 21:00:42.0, 40.2, 2.00N, 97.85E, mb4.7/18, mb1 4.7/19, mb1mx4.6/22, mb1mp4.7/19, ML5.0/1, MS3.8/10, M1 3.8/10, ms1mx3.6/19, Error ellipse: s-maj=23.4km s-min=12.2km az=56.0

BUI 04 21:00:44.6, 1.98N, 98.08E, h30km, mb5.0, mb4.9, Ms4.4, Ms4.0
MOS 04 21:00:44.9, 0.8, 1.97N, 97.88E, h33km, mb5.1/27, Error ellipse: s-maj=14.8km s-min=6.5km az=107.3

HRVD 04 21:00:46.5, 0.9, 2.04N, 97.59E, h66km, 6km, MW4.7/25, Centroid moment Tensor Solution. LP body waves: s10.c14, Mantle waves: s25.c37; Half duration: 0 Moment tensor: Scale 10^19Nm; Mw: 0.68; Mb: Mw-0.72; 11; Mw-0.05; 15; Mw-0.56; 07; Mw-0.94; 10; Mw-0.02; 10; Best double couple: M1, 2.41x10^19 NP1, 3.40x10^19, 1.48x10^19; NP2, 9.93x10^18, 6.68x10^18. Principal axes: T 1.021, P1g49, Azm317; N, 4.41, P1g38, Azm112; P, -1.461, P1g13, Azm212; nsta1 refers to body waves, cutoff=50s, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 04 21:00:46.5, 0.3, 1.97N, 97.86E, h30km, mb4.9/28 Error ellipse: s-maj=8.9km s-min=5.6km az=52.0
ISC 04 21:00:45.1, 0.3, 1.96N, 0.05, 97.88E, 0.05, h32km, h32km, 1.8km, pP-P, n146, s193/151, mb4.8/66, MS3.9/19, 10C-SD, Northern Sumatra

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IPM Iphoh, KULM Kulim, KGM Kluang, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GYA comp=N, 680nm, 18.9s, MS4.5, GYA comp=E, 970nm, 17.0s, MS4.5, GYA comp=Z, 750nm, 18.2s, MS4.3, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KSH eSCP, KSH ePCS, KSH eS, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like GOF Gofitskoye, YAK Yakutsk, MALT Malatyta, etc.

IDC 04 21:02:48.3.0.21.665:69.89W, mb3.6/1, mb1 3.9/2, mb1mx3.5/14, mbtpp3.6/2, ML3.6/1, Error ellipse: s-maj=139.7km s-min=65.3km az=111.0

NEIC 04 21:03:06.2.1.0.20.90S:68.67W, h114km, mb3.2/1, Error ellipse: s-maj=30.8km s-min=13.3km az=93.0

ISC 04 21:03:04.6.1.1.20.77S:09.69.3W:0.2, h114km, n8, 05627.7, mb3.2/1, Northern Chile

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like LVC Limon Verde, LPAZ La Paz, ARE Arequipa, etc.

NEIC 04 21:08:06.8.1.2.16.03S:177.47W, h10km, mb4.5/1, Error ellipse: s-maj=26.1km s-min=19.1km az=91.0

IDC 04 21:08:05.0.3.7.16.07S:177.44W, mb4.3/4, mb1 4.6/4, mb1mx4.0/14, mbtpp4.3/4, Error ellipse: s-maj=157.8km s-min=40.3km az=137.0, Fiji Islands region

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

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

IDC 04 21:42:48.2.8.1.32.25S:179.99E, h341km, 92km, mb2.7/2, mb1 3.2/3, mb1mx3.2/12, mbtpp3.8/3, Error ellipse: s-maj=105.3km s-min=40.5km az=2.0

ISC 04 21:42:53.0.1.8.32.6S:0.1x179.5E:0.3, h400km, n15, 01313/14, mb2.9/2, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MXZ Matakaoa Point, PUZ Putakaiti, MWZ Matawai, etc.

WRA Warramunga Arr 42.12 276 P 21 45 16.2 +0.7

KEV Kevo 139.78 348 ep PKPdf 22 01 41.2 +8.1

FINES FINES Array B 146.43 337 PKPbc PKPdf 22 01 47.1 +0.8

NB2 NORSTAR Subarray150.56 348 PKPbc PKPdf 22 01 57.3 +6.0

IDC 04 22:07:15.3.0.9.0.70N:97.23E, mb4.1/14, mb1 4.3/15, mb1mx4.2/19, mbtpp4.1/15, ML4.3/1, MS4.4/1, Ms1 3.6/1, ms1mx3.0/24, Error ellipse: s-maj=44.6km s-min=14.4km

BUJ 04 22:07:15.9.0.29N:97.67E, h42km, mb5.0, mb4.8, Ms4.4, Msz4.1

MOS 04 22:07:19.6.1.0.0.85N:97.14E, h33km, mb4.8/9, Error ellipse: s-maj=23.3km s-min=9.7km az=97.0

NEIC 04 22:07:20.3.0.4.0.79N:97.41E, h30km, mb4.5/4, Error ellipse: s-maj=12.2km s-min=6.5km az=55.0

ISC 04 22:07:15.3.1.0.73N:0.07:97.31E:0.07, h9km, 19km, n53, 0286:55, mb4.3/32, MS3.9/1, Northern Sumatra

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like IPM Iloh, KULM Kulum, KGM Kluang, etc.

CMAR Chiang Mai Arr 17.69 5 Pn 22 11 22.5 -1.0

CMAR Kunning 24.81 12 P 22 12 40.6 +1.6

CMAR Kuning 24.81 12 P 22 12 49.9 +1.6

CMAR Kuning 24.81 12 P 22 12 59.2 +0.5

CMAR Kuning 24.81 12 P 22 12 59.2 +0.5

CMAR Kuning 24.81 12 P 22 12 59.2 +0.5

CMAR Kuning 24.81 12 P 22 12 59.2 +0.5

CMAR Kuning 24.81 12 P 22 12 59.2 +0.5

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CMAR Kuning 24.81 12 P 22 12 59.2 +0.5

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CMAR Kuning 24.81 12 P 22 12 59.2 +0.5

CMAR Kuning 24.81 12 P 22 12 59.2 +0.5

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CMAR Kuning 24.81 12 P 22 12 59.2 +0.5

CMAR Kuning 24.81 12 P 22 12 59.2 +0.5

CMAR Kuning 24.81 12 P 22 12 59.2 +0.5

CMAR Kuning 24.81 12 P 22 12 59.2 +0.5

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like CHKZ Chkalovo, CHZK Chkalovo, CHZK Chkalovo, etc.

IDC 04 22:14:08.2.1.4.0.73N:96.99E, mb4.2/9, mb1 4.3/10, mb1mx4.1/17, mbtpp4.1/10, ML4.3/1, Error ellipse: s-maj=66.9km s-min=15.7km az=57.0

MOS 04 22:14:09.9.0.9.0.57N:96.92E, h33km, mb4.7/9, Error ellipse: s-maj=23.3km s-min=10.6km az=101.0

BUJ 04 22:14:11.7.0.86N:97.05E, h28km, mb5.3, mb4.5, Ms4.0, Msz4.0

NEIC 04 22:14:11.8.0.6.0.65N:97.05E, h30km, mb4.5/14, Error ellipse: s-maj=14.5km s-min=10.1km az=58.0

ISC 04 22:14:11.3.2.7.0.74N:0.10:97.71E:0.1, h37km, 22km, n49, 01506:48, mb4.3/26, MS4.0/1, Northern Sumatra

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like IPM Iloh, KULM Kulum, KGM Kluang, etc.

CMAR Chiang Mai Arr 17.71 6 Pn 22 18 17.4 +0.6

CMAR Kunning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

CMAR Kuning 24.85 12 P 22 19 34.4 +2.4

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like FITZ Fitzroy Crossi, WRAB Tennant Creek, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, KURK Kurchatov, BVAR Borovoye Array.

OTT 04 22:18:43.9.0.1, 64.71N-110.62W, h1km, MN2.5/17, 1C, Blast, Ekati Mine, Nt Mining explosion., Northwest Territories

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like EKTN Ekati Mine, DVKN DVK, ACKN Achilles Lake, YNEN Yamba Lake, YMBN Yamba Lake, LGSN Lac de Gras So, GLWN Glow Worm Lake, COWN Contwiyoto Lake, NODN Nodinka Narrow, MLON Mario Lake, BOXN Box Lake, CAMN Camnell Lake, LUPN Lupin Mine, MGTN Margaret Lake, GBLN Grizzly Bear L, SNPN Snap Lake, IHLN Indian Hill La, KNDN Kennady Lake, ILKN Indian Lake, DSMN Discovery Mine, CTLN Castor Lake, YKW3 Yellowknife Ar, GALN Gameti Lake, YRTN Rankin Inlet, QILN Qillugag Expl.

NEIC 04 22:37:42.8.2.6, 4.40S-153.46E, h15km, mb4.4/1, Error ellipse: s-maj=84.8km s-min=14.8km az=115.0  
IDC 04 22:37:43.9.4.0, 4.28S-152.90E, mb4.0/4, mb1 4/2/4, mb1mx3.8/15, mbtmp4.0/4, MS3.9/1, Ms1 3.9/1, ms1mx2.8/27, Error ellipse: s-maj=115.2km s-min=33.5km az=109.0

ISC 04 22:37:46.0.3.8, 4.35S-04.153.0E-0.8, h33km, n9, 0#70/8, mb3.9/5, MS3.9/1, New Ireland region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PMG Port Moresby, WRAB Tennant Creek, WRA Warramunga Arr, ASAR Alice Springs, RAR Raratonga, MKAR Makanchi Array, KURK Kurchatov, CHKZ Chkalovo.

IDC 04 22:38:49.5.1.5, 5.85S-148.02E, mb4.1/3, mb1 4/2/5, mb1mx3.8/15, mbtmp4.0/5, ML3.4/2, Error ellipse: s-maj=79.1km s-min=45.9km az=63.0, New Britain region

2.3nm, 0.8s, baz=11, slow=9.9, SNR=5.4  
BJJ 04 22:55:50.5, 0.16N-97.59E, h41km, mb4.9, mb4.9, Ms4.1, Ms2.9  
IDC 04 22:55:52.0.1.0, 0.79N-97.20E, mb4.1/12, mb1 4/2/13, mb1mx4.1/18, mbtmp4.1/13, ML4.3/1, MS3.6/1, Ms1 3.8/1, ms1mx2.9/21, Error ellipse: s-maj=45.3km s-min=16.0km az=51.0  
MOS 04 22:55:54.5.1.2, 0.84N-97.57E, h33km, mb4.7/9, Error ellipse: s-maj=23.8km s-min=9.4km az=100.1  
NEIC 04 22:55:56.3.0.5, 0.81N-97.46E, h30km, mb4.4/13, Error ellipse: s-maj=12.6km s-min=9.4km az=48.0  
ISC 04 22:55:54.9.0.6, 0.90N-108.97.48E-0.10, h30km, n52, 1#107/52, mb4.3/30, MS3.9/1, Northern Sumatera

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like KULM Kulim, CMAR Chiang Mai Arr, CMAR Kunning, KMI Kuning, SHL Shillong, JIRN Jiri, PKI Pulchoki, DMN Daman, KKN Kakani, LSA Lhasa, GOR Gorkha, KLN Koldanda, ENH Enshi, FITZ Fitzroy Crossi, XAN Xi'an, GTA Gaotai, WRA Warramunga Arr, WRAB Tennant Creek, WRAB Tennant Creek, BJI Beijing, BJI Beijing, ASAR Alice Springs, WMQ Urumqi, AAK Ala-Archa, AAK Ala-Archa, SONM Sogino Array, SONM Sogino Array, ULAN Ulanbaatar, ULAN Ulanbaatar, ULAN Ulanbaatar, MKAR Makanchi Array, ZAK Zakamensk, KURK Kurchatov, ZAL Zalesovo, NVS Novosibirsk, BLR Kul'dur, KVR Borovoye Array, CHKZ Chkalovo, CHKZ Chkalovo, CHKZ Chkalovo, BOD Bodaibo, KIV Kislovodsk, BRTR Keskin Array, SKR Severo-Kuril's, AKASA Malin Array, FINES FINESS Array, GERES GERES Array, NB2 NORSAR Subarra, NOA NORSAR Array, MAN 04 23:01:38.1, 8.54N-122.03E, h33km, mb4.4, ML3.2, MS3.0, 2C, Mindanao

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like IPIL Sibulan, PAGZ Pagadian, FBP Tagbilaran, GUMIM Jordan, LLP Lapu-Lapu, MSLP Maasin, ENPP El Nido.

MEX 04 23:03:36.7.0.7, 17.87N-99.71W, h97km, 1.4km, MD3.8, 1C, Guerrero

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PLIG Platanillo, CAIG El Cayaco, ACX Acapulco, ACM Popocatepeti.

IDC 04 23:31:50.9.4.1, 1.55N-99.52E, mb3.6/3, mb1 3.8/3, mb1mx3.5/15, mbtmp3.6/3, Error ellipse: s-maj=160.5km s-min=29.5km az=58.0, Northern Sumatera

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like WRA Warramunga Arr, SONM Sogino Array, MKAR Makanchi Array.

IDC 04 23:59:27.5.9.6, 0.66N-97.31E, mb3.8/3, mb1 4.0/4, mb1mx3.6/16, mbtmp3.8/4, ML4.4/1, Error ellipse: s-maj=192.0km s-min=125.7km az=138.0  
NEIC 04 23:59:31.9.0.9, 0.67N-97.47E, h30km, mb3.7/1, Error ellipse: s-maj=21.1km s-min=14.7km az=64.0  
ISC 04 23:59:29.8.1.4, 0.70N-0.2.97.4E-0.2, h30km, n11, 0#40/11, mb3.9/4, Northern Sumatera

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like KULM Kulim, CMAR Chiang Mai Arr, WRAB Tennant Creek, SONM Sogino Array, ULAN Ulanbaatar, MKAR Makanchi Array, KURK Kurchatov, ZAL Zalesovo, ZAL Zalesovo, CHKZ Chkalovo.

IDC 05 00:10:35.0.3.2, 1.35N-96.86E, mb3.5/5, mb1 3.7/5, mb1mx3.5/17, mbtmp3.5/5, MS3.0/1, Ms1 3.2/1, ms1mx2.5/15, Error ellipse: s-maj=127.1km s-min=25.5km az=55.0, Off west coast of northern Sumatera

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, WRA Warramunga Arr, MKAR Makanchi Array, SONM Sogino Array, ZAL Zalesovo, BVAR Borovoye Array.

IDC 05 00:10:35.0.3.2, 1.35N-96.86E, mb3.9/4, mb1 4.0/5, mb1mx3.7/16, mbtmp3.8/5, ML4.1/1, Error ellipse: s-maj=119.4km s-min=25.9km az=61.0, Southwest of Sumatera

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, ASAR Alice Springs, MKAR Makanchi Array, SONM Sogino Array, ZAL Zalesovo, TXAR Lajtas Array.

ISK 05 00:27:58.6, 39.08N-40.33E, h5km, MD3.6  
NEIC 05 00:27:58.7, 39.09N-40.36E, h5km, MD3.6 (ISK), After ISK

CSEM 05 00:27:59.7.0.1, 39.11N-40.35E, h5km, MD3.6, Error ellipse: s-maj=1.8km s-min=1.4km az=172.0  
ISC 05 00:28:00.3.0.5, 39.09N-0.04-40.37E-0.04, h5km, n29, 1#105/37, Turkey

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like BINT Bingol, PTK Pertek, ELZG Elazig, BTMT Batman, BELT Kelkit, BEST Besiri, GUMT Gumushane, MYA Malataya, MYA Malataya, MYA Malataya, VANB Van, TVAN Van, VANT Van, BACA Borcka, BCA Borcka, BGA Borcka, GZT Gaziantep, HTR Hakkari, HAK Hakkari, GAZ Gaziantep, TOKT Tokat, MISL Mosul, MSL Malataya, GNI Garni, GNI Garni, GNI Garni.

BUJ 0500:42:44.7, 0.98S:96.99E, h40km, mb5.2, mb4.9, Ms4.8, Ms2.3

IDC 0500:42:45.0, 0.7, 0.35S:96.76E, mb4.4/13, mb1.4/6/14, mb1mx4.5/18, mbtmp4.4/14, ML4.5/1, MS3.4/2, Ms1.3/5.2, ms1mx3.0/23, Error ellipse: s-maj=28.4km s-min=14.1km az=54.0

MOS 0500:42:48.4, 0.8, 0.30S:96.83E, h33km, mb4.7/9, Error ellipse: s-maj=20.9km s-min=9.8km az=103.7

NEIC 0500:42:50.2, 0.3, 0.30S:96.94E, h30km, mb4.6/16, Error ellipse: s-maj=3.8km s-min=5.8km az=57.0

ISC 0500:42:48.0, 0.4, 0.32S:96.93E, 0.07, h33km, (h35km, 2.0km; p-P), n73, c0997/11, mb4.5/36, MS4.6/3, 1C-1D, Southwest of Sumatra

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

Table with columns: ARU, Arti, MALT, Malatya, YAK, Yakutsk, YAK, Yakutsk, MATP, Matopo, BRTR, Keskin Array, AKASO, Malin Array, FINES, FINESS Array, VINA, Vanda, VYDA, Vanda, GERE, GERE Array, MIAR, Mount Ida, TXAR, Lajitas Array, TXAR, Lajitas Array, PLAL, Pickwick Lake, JCT, Junction City.

IDC 0501:06:12.6, 3.8, 16.54S:174.30W, h105km, 30km, mb3.6/6, mb1.3/9.7, mb1mx3.7/16, mbtmp4.0/7, Error ellipse: s-maj=116.1km s-min=17.3km az=146.0

NEIC 0501:06:13.2, 1.7, 16.35S:174.43W, h107km, 13km, mb4.7/6, Error ellipse: s-maj=75.5km s-min=10.8km az=146.0

ISC 0501:06:11.8, 2.4, 16.3S:174.5W, 0.5, h106km, 20km, n17, c0544/18, mb4.2/10, 1D, Tonga Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Lists seismic stations in the Tonga Islands region.

CASC 0501:07:12.2, 1.9, 12.70N:90.32W, h2km, 9km, MD4.0, 6C-2D, Off coast of central America

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Lists various seismic stations in the Cascadia region.

MSB 0501:22:49.7, 0.9, 18.88N:73.37W, MD4.5

IDC 0501:22:53.9, 1.1, 19.29N:75.0W, h60km, 49km, mb3.2/2, mb1.4/0.5, mb1mx3.4/22, mbtmp4.0/5, ML4.6/3, Error ellipse: s-maj=47.1km s-min=28.7km az=83.0

ISC 0501:22:55.3, 1.4, 18.23N:0.10, 73.46W, 0.06, h46km, 20km, n11, c144/13, mb3.4/2, Haiti region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Lists seismic stations in the Haiti region.

IDC 0501:24:38.1, 3.2, 0.04N:97.95E, mb4.0/5, mb1.4/1.6, mb1mx3.8/17, mbtmp3.9/6, Error ellipse: s-maj=133.8km s-min=20.5km az=58.0

NEIC 0501:24:41.3, 1.4, 0.16S:97.65E, h30km, mb4.3/2, Error ellipse: s-maj=57.1km s-min=10.1km az=58.0

ISC 0501:24:39.0, 1.8, 0.25S:97.6E, 0.4, h30km, n8, c0539/8, mb4.0/7, Southwest of Sumatra

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Lists seismic stations in the Southwest of Sumatra region.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Lists seismic stations in the 0.2nm, 0.5s, mb3.0, baz=298, slow=8.3, SNR=4.0 region.

IDC 0501:27:40.5, 1.0, 24.11S:66.92W, h172km, 9km, mb3.9/13, mb1.4/0.19, mb1mx4.0/21, mbtmp4.0/19, Error ellipse: s-maj=15.5km s-min=9.4km az=77.7

BUJ 0501:27:40.5, 2.4, 10.5S:66.90W, h173km, mb4.6, NEIC 0501:27:40.5, 0.6, 2.4, 12S:66.87W, h173km, mb4.5/8, Error ellipse: s-maj=10.4km s-min=6.0km az=85.0

GUC 0501:27:42.0, 1.1, 24.08S:67.46W, h209km, 14km, ML4.6

ISC 0501:27:39.4, 0.6, 24.17S:0.03, 66.98W, 0.07, h177km, 6km, n55, c1907/63, mb4.1/18, 4C-2D, Salta Province

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Lists seismic stations in the Salta Province region.

CPN1 Cerro Paranal, 3.16 261 f/P, S, 01 28 31.9 +1.4

ANCH Antofagasta, 3.18 278 f/P, P, 01 28 32.2 +1.5

ANCH Copiapo, 4.40 223 f/S, S, 01 28 08.9 -1.4

CPCH Las Campanas, 5.86 214 e/S, P, 01 29 36.6 -1.4

LCO Las Campanas, 5.86 214 e/S, P, 01 30 05.3 -0.1

CFAA Coronel Fontan, 7.49 188 f/P, S, 01 29 28.1 +1.2

CFAA Coronel Fontan, 7.49 188 f/P, S, 01 29 28.1 +1.2

CFAA La Paz, 7.91 352 f/S, S, 01 30 48.4 -2.4

CFAA La Paz, 7.91 352 f/S, S, 01 30 38.6 +1.1

LPAA La Paz, 7.91 352 f/S, S, 01 30 59.8 -0.9

LPAA La Paz, 7.91 352 e/Pn, P, 01 29 33.1 +0.6

ARE Arequipa, 8.76 300 f/P, P, 01 31 16.0 -4.5

SIV San Ignacio, 9.84 35 f/P, P, 01 29 56.9 -0.9

SIV San Ignacio, 9.84 35 f/P, P, 01 31 33.4 -1.3

TRQA Toruquist, 14.90 164 e/P, P, 01 30 56.8 -0.4

SAML Samuel, 15.56 14 e/P, P, 01 31 09.5 -1.3

PLCA Paso Flores, 16.79 189 f/P, P, 01 31 26.0 +0.4

PLCA Paso Flores, 16.79 189 e/P, P, 01 31 25.9 +0.4

BDFB Brasilia, 19.73 68 f/P, P, 01 31 57.0 -0.4

BAO Brasilia Array, 19.75 68 f/P, P, 01 31 54.0 -3.6

BAO Brasilia Array, 19.75 68 f/P, P, 01 32 53.0

JTS Juntas Abangare, 38.49 331 f/P, P, 01 34 46.0 -1.0

JTS Juntas Abangare, 38.49 331 f/P, P, 01 34 46.0 -1.0

SJG San Jose, 42.03 1 f/S, S, 01 35 14.6 -0.6

UNV Neumayer Olym, 56.99 161 f/P, P, 01 37 09.2 +0.9

UNV Neumayer-Watz, 57.55 160 f/P, P, 01 37 12.8 +0.6

SNAA Sanae, 59.19 161 f/P, P, 01 37 23.5 -0.1

SNAA Sanae, 59.19 161 f/P, P, 01 37 23.5 -0.1

JCT Junction City, 62.80 328 f/P, P, 01 37 47.0 -1.4

TXAR Lajitas Array, 64.87 324 f/P, P, 01 37 54.0 -1.1

QSPA South Pole Qu, 66.04 180 f/P, P, 01 38 10.0 +1.4

DBIC Dimbokro, 67.83 71 f/P, P, 01 38 19.7 -1.2

DBIC Dimbokro, 67.83 71 f/P, P, 01 38 18.8 -2.1

ANMO Albuquerque, 69.70 326 f/P, P, 01 38 32.3 +0.3

SYO Syowa Base, 73.39 159 f/P, P, 01 38 54.0 +0.3

PV10 Paradox Valley, 73.66 327 e/P, P, 01 38 55.4 -0.1

PNDA Vanda, 74.54 190 f/P, P, 01 39 01.1 +1.3

SRU San Rafael, 74.97 326 e/P, P, 01 39 02.6 -0.3

MSU Marysval, 75.38 325 e/P, P, 01 39 05.8 +0.6

PDAR Pinedale Array, 77.30 329 f/P, P, 01 39 15.8 0.0

ULM Lac du Bonnet, 78.39 342 f/P, P, 01 39 20.8 -0.8

SCHO Schefferville, 78.67 0 f/P, P, 01 39 22.2 -0.8

SCHO Schefferville, 78.67 0 f/P, P, 01 39 22.2 -0.8

NVAR Mina Array Bea, 78.68 321 f/P, P, 01 39 24.3 +0.9

NVAR Mina Array Bea, 78.68 321 f/P, P, 01 39 24.3 +0.9

HLID Halley, 80.84 327 e/P, P, 01 39 33.0 +1.3

MAW Mawson, 81.27 163 f/P, P, 01 39 38.3 +1.7

FCC Fort Churchill, 85.62 346 e/P, P, 01 39 58.9 +0.2

ESCD Seneca Array, 86.50 44 f/P, P, 01 40 08.4 +0.5

EDM Edmonton, 86.92 334 f/P, P, 01 40 04.1 -1.0

YKA Yellowstone Ar, 92.39 345 f/P, P, 01 40 39.1 +0.3

ASAR Alice Springs, 149.21 205 PKP PKPdf, 01 46 26.8 -1.0

WRA Warramunga Arr, 131.49 207 PKP PKPdf, 01 46 32.6 +1.0

FRIT Tennant Creek, 131.49 207 ePKP PKPdf, 01 46 33.3 +1.7

WAZ Fitzroy Crossi, 136.22 197 PKP PKPdf, 01 46 42.0 +1.6

CN2 Changchun, 157.92 336 ePKP PKPdf, 01 47 18.0 +3.6

MOS 0501:39:23.1, 1.0, 36.40N:71.59E, h117km, mb4.9/70, Error ellipse: s-maj=6.7km s-min=3.8km az=125.1

BUJ 0501:39:24.4, 36.51N:71.60E, h117km, mb5.0, mb4.8

NEIC 0501:39:25.1, 3.6, 36.37N:71.62E, h124km, 11km, mb4.8/87, Error ellipse: s-maj=7.7km s-min=4.2km az=202.0

NEIC Felt at Khorugh, Tajikistan.

NINC 0501:39:27.0, 3.4, 36.84N:70.78E, h88km, 44km, mpv5.3, Error ellipse: s-maj=37.1km s-min=28.2km az=81.0

IDC 0501:39:30.9, 3.7, 36.35N:71.4E, h180km, 34km, mb4.1/20, mb1.4/3.2, mb1mx3.4/20, mbtmp4.6/20, MS3.5/6, Ms1.3/5.6, ms1mx3.4/21, Error ellipse: s-maj=14.1km s-min=10.0km az=29.0

ISC 0501:39:21.0, 0.4, 36.22N:0.02, 71.60E, 0.03, h102km, 4km, h104km, 1.7km; p-P, n350, c1520/382, mb4.3/20, 36C-4D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Lists seismic stations in the Afghanistan-Tajikistan border region.





Table with columns: Station, Frequency, Power, Mode, and other technical details. Includes stations like Changchun, Dobruska-Polom, Ksiaz, Upiace, Kog, Kautokeino, Bornholm Skovb, etc.

Table with columns: Station, Frequency, Power, Mode, and other technical details. Includes stations like Clausthal, Sankt Quirin, Sankt Quirin, Sankt Quirin, etc.

Table with columns: Station, Frequency, Power, Mode, and other technical details. Includes stations like Esperas, Esperas, Saint Giles, Saint Giles, etc.

MAN 05 01:40:14.1, 13.51N-120.57E, h60km, mb3.8, ML2.5, MS2.1, 4C, Mindoro

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Tagaytay City, Los Banos, etc.

NEIC 05 01:42:32.7-0.7, 34.92S-70.32W, ML2.6(GUC), After GUC

GUC 05 01:42:32.7-0.7, 34.92S-70.32W, MD3.9, ML2.6, 2C-2D, Chile-Argentina border region

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







Table with columns: MOX, Moxa, 151.82 344, ePKIKP, PKPdf, pmax, 02 46 54.2 +7.6, etc.

CSEM 05 02:45:00.3, 32.28N-56.68E, h10km, ML3.6, After TEH

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

NEIC 05 02:50:30.5, 35.78S-70.54W, h3km, ML3.1(GUC), After GUC

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

NEIC 05 03:07:09.0, 0.9, 94N-98.46E, mb4.0/12, mb1 4.2/12

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

Table with columns: SONM, Songoing Array, 47.54 7 P, P, 03 15 40.1 -1.2, etc.

IDC 05 03:22:59.0, 8.22, 46N-92.22E, mb4.0/10, mb1 4.2/11

NEIC 05 03:23:02.8, 1.0, 22.52N-92.36E, h33km, mb4.5/6, Error ellipse: s-maj=19.2km s-min=6.9km az=119.4

ISC 05 03:23:04.5, 0.9, 22.61N, 0.04-92.26E, 0.04, h43km, gkm, m5, +19178, mb4.3/21, MS3.2/2, 1C-1D, India-Bangladesh border region

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

ISC 05 03:37:14.7, 2.1, 33N-0.4, 96.2E-0.5, h33km, n11, +089/11, mb4.2/10, Northern Sumatra

IDC 05 03:39:21.7, 0.6, 2.51N-96.12E, h30km, mb4.3/8, Error ellipse: s-maj=17.5km s-min=7.4km az=46.0

ISC 05 03:39:19.8, 0.9, 2.5N-10.1, 96.1E-0.1, h30km, n17, +056/17, mb4.3/14, Northern Sumatra

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

Table with columns: KURK, Kurchatov, 30.01 343 eP, P, 03 29 11.7 +0.4, etc.

IDC 05 03:37:14.7, 2.1, 33N-0.4, 96.2E-0.5, h33km, n11, +089/11, mb4.2/10, Northern Sumatra

IDC 05 03:39:21.7, 0.6, 2.51N-96.12E, h30km, mb4.3/8, Error ellipse: s-maj=17.5km s-min=7.4km az=46.0

ISC 05 03:39:19.8, 0.9, 2.5N-10.1, 96.1E-0.1, h30km, n17, +056/17, mb4.3/14, Northern Sumatra

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

IDC 05 03:42:23.9, 1.2, 2.71N-95.62E, h30km, mb4.3/5, Error ellipse: s-maj=34.8km s-min=16.4km az=54.0

IDC 05 03:42:23.9, 1.2, 2.71N-95.62E, h30km, mb4.3/5, Error ellipse: s-maj=34.8km s-min=16.4km az=54.0

ISC 05 03:42:23.9, 1.2, 2.71N-95.62E, h30km, mb4.3/5, Error ellipse: s-maj=34.8km s-min=16.4km az=54.0

ISC 05 03:42:23.9, 1.2, 2.71N-95.62E, h30km, mb4.3/5, Error ellipse: s-maj=34.8km s-min=16.4km az=54.0

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



SONM Sogingo Array 45.92 10 P P 03 50 42.0 -1.8
ZAL Zalesovo 51.84 352 P P 03 51 27.6 -2.0
CHKZ Chkalo 54.82 342 eP P 03 51 50.6 -1.0

NEIC 05 03:45:40.0-1.7, 9.59N-69.99W, h24km, 13km, mb3.7/1, MD3.8(CAR), Error ellipse: s-maj=14.8km s-min=11.6km az=127.0

FUNV 05 03:45:39.4, 9.71N-69.92W, MW3.2
IDC 05 03:45:41.0, 2.6, 9.55N-70.00W, h31km, 24km, mb3.6/6, m1 3.0/7, mb1mx3.2/6, mbtm3.9/7, ML4.2/1, MS3.0/2, Ms1 3.0/2, ms1mx2.2/5, Error ellipse: s-maj=34.0km s-min=22.8km az=162.0

ISC 05 03:45:38.9-0.6, 9.70N-0.02-69.92W-0.02, h9km, 4km, n35, e18/50, mb3.8/7, 5C-2Z, Venezuela

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CURV Curarigua, SANV Sanarito, TEPU Terepaima, etc.

IDC 05 04:04:33.0-3.2, 0.78N-97.28E, mb3.7/4, mb1 4.0/5, mb1mx3.6/17, mbtm3.7/5, ML4.3/1, MS2.8/1, Ms1 3.0/1, ms1mx2.7/25, Error ellipse: s-maj=114.1km s-min=30.3km az=59.0, Northern Sumatera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, WRA Warrungama Arr, etc.

NEIC 05 04:16:15.3, 46.19N-122.19W, h1km, MD3.3(SEA), After SEA

IDC 05 04:16:17.0-9.46, 03N-122.27W, mb3.5/3, mb1 3.9/10, mb1mx3.6/17, mbtm3.6/10, ML3.2/7, Error ellipse: s-maj=14.5km s-min=10.0km az=99.0

ISC 05 04:16:15.1-0.3, 46.20N-0.02-122.20W-0.04, h4km, 2km, n73, c088/73, mb3.5/3, 9C-18B, Washington

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like YEL Yellow Rock, SHW South Ridge, ESD East Dome, etc.

SSOR Sweet Springs 1.36 188 P Pb 04 16 39.7 -1.0
GMW Gold Mountain 1.41 343 P Pn 04 16 40.6 -0.9
TBM Table Mountain 1.47 48 P Pn 04 16 42.3 -0.1

IDC 05 04:04:17:54.9-1.1, 8.48S-116.30E, h111km, 6km, MD4.4/3, ML4.2/1, 3C-3D, Error ellipse: s-maj=62.3km s-min=19.0km az=173.0, Sumbawa region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KEDI Kedondong, RATI Rata, SRDI Scrawled, etc.

IDC 05 04:04:05:27.9, 31.42S-179.92E, h370km, 93km, mb3.1/4, mb1 3.4/5, mb1mx3.2/6, mbtm3.4/5, Error ellipse: s-maj=99.2km s-min=43.8km az=177.0

NEIC 05 04:04:05:31.0-5.3, 31.82S-179.81E, h434km, 45km, mb3.6/1, Error ellipse: s-maj=59.4km s-min=33.5km az=160.0

ISC 05 04:04:05:12.6, 32.0S-0.3-179.9W-0.5, h461km, 46km, n27, c087/31, mb3.5/5, Keradec Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MXZ Matakaoa Point, MXZ Matakaoa Pt, PUZ Puketiti, etc.

NEIC 05 04:42:21.0-6.0, 50.35N-18.87E, h5km, MG2.9(WAR), Error ellipse: s-maj=8.5km s-min=4.5km az=181.0

CSEM 05 04:42:21.0-1.0, 50.33N-18.90E, h0km, ML3.3/5, Error ellipse: s-maj=2.5km s-min=1.5km az=6.0

WAR 05 04:42:22.1, 50.26N-18.89E, h0km, ML2.8, Mining Induced

PRU 05 04:42:22.0, 50.30N-18.86E, IPEE 05 04:42:22.0, 50.31N-18.88E, h1km, 1km, ML2.3/3, Error ellipse: s-maj=2.5km s-min=1.1km az=169.0

MOS 05 04:42:22.0, 2.4, 50.32N-18.94E, h10km, mb3.8/1, Error ellipse: s-maj=8.2km s-min=8.1km az=52.8

IDC 05 04:42:23.0-0.9, 50.22N-18.79E, mb1 3.1/4, mb1mx3.0/20, mbtm3.0/4, ML2.8/4, Error ellipse: s-maj=24.7km s-min=8.3km az=153.0

ISC 05 04:42:20.6-0.5, 50.30N-0.04-18.87E-0.03, n49, c1935/73, 3C-7D, Poland

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like RAC Raciborz, OJC Ojcow, OKC Ostrava-Krasne, etc.

DPC Dobruska-Polom 1.63 273 ePg Pn 04 44 51.6 +0.9
DPC Dobruska-Polom 1.63 273 eSg Sg 04 45 13.5 -1.4
DPC Dobruska-Polom 1.63 273 ePn Pn 04 44 51.7 +1.0

IDC 05 04:05:51:1.2, 7.02N-97.19E, mb3.7/5, mb1 3.9/6, mb1mx3.2/19, mbtm3.7/6, ML3.9/1, MS3.8/2, Ms1 3.7/2, ms1mx2.8/19, Error ellipse: s-maj=97.4km s-min=28.8km az=57.0, Northern Sumatera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CRVS Cervenka-Dubn, PSZ Piskesteto, PSZ Piskesteto, etc.

IDC 05 04:04:31:4-1.6, 1.21N-96.90E, mb4.0/9, mb1 4.1/10, mb1mx3.9/20, mbtm3.9/10, ML4.4/1, MS3.7/3, Ms1 3.8/3, ms1mx3.3/10, Error ellipse: s-maj=72.9km s-min=15.4km az=57.0

NEIC 05 04:04:36:8-0.6, 1.30N-97.15E, h30km, mb4.5/6, Error ellipse: s-maj=17.8km s-min=8.6km az=53.0

ISC 05 04:04:34:8-0.7, 1.31N-0.09-97.2E-0.1, h30km, n23, c1502/23, mb4.2/15, MS3.7/2, Northern Sumatera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, CMAR Chiang Mai Arr, KKM Kota Kinabalu, etc.

IDC 05 04:04:31:4-1.6, 1.21N-96.90E, mb4.0/9, mb1 4.1/10, mb1mx3.9/20, mbtm3.9/10, ML4.4/1, MS3.7/3, Ms1 3.8/3, ms1mx3.3/10, Error ellipse: s-maj=72.9km s-min=15.4km az=57.0

NEIC 05 04:04:36:8-0.6, 1.30N-97.15E, h30km, mb4.5/6, Error ellipse: s-maj=17.8km s-min=8.6km az=53.0

ISC 05 04:04:34:8-0.7, 1.31N-0.09-97.2E-0.1, h30km, n23, c1502/23, mb4.2/15, MS3.7/2, Northern Sumatera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, CMAR Chiang Mai Arr, KKM Kota Kinabalu, etc.

IDC 05 04:04:31:4-1.6, 1.21N-96.90E, mb4.0/9, mb1 4.1/10, mb1mx3.9/20, mbtm3.9/10, ML4.4/1, MS3.7/3, Ms1 3.8/3, ms1mx3.3/10, Error ellipse: s-maj=72.9km s-min=15.4km az=57.0

NEIC 05 04:04:36:8-0.6, 1.30N-97.15E, h30km, mb4.5/6, Error ellipse: s-maj=17.8km s-min=8.6km az=53.0

ISC 05 04:04:34:8-0.7, 1.31N-0.09-97.2E-0.1, h30km, n23, c1502/23, mb4.2/15, MS3.7/2, Northern Sumatera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, KKM Kota Kinabalu, SHL Shillong, etc.

IDC 05 04:05:51:1.2, 7.02N-97.19E, mb3.7/5, mb1 3.9/6, mb1mx3.2/19, mbtm3.7/6, ML3.9/1, MS3.8/2, Ms1 3.7/2, ms1mx2.8/19, Error ellipse: s-maj=97.4km s-min=28.8km az=57.0, Northern Sumatera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, WRA Warrungama Arr, WRAB Warrungama Arr, etc.





















MAT	comp=Z,1µm,20.0s,MS4.9	<b>Matsushiro</b>	51.28	43	eP	P	09 46 24.0	-1.4
MAT	comp=Z,32nm,1.0s,mb5.2				eS	LR	09 53 53.0	+12
MAT	comp=Z,1µm,20.0s,MS4.9	<b>Matsushiro</b>	51.28	43	P	P	09 46 24.3	-1.1
MAT	comp=Z,25nm,0.8s,mb5.2,baz=220,slow=6.3,SNR=49	<b>Matsushiro Arr</b>	51.28	43	P	P	09 46 24.6	-0.8
MJAR	comp=Z,1µm,19.1s,MS4.9,baz=245,slow=38	<b>Mudanjiang</b>	51.34	29	P	P	09 46 25.0	-0.7
MDJ	comp=Z,1µm,19.1s,MS4.9,baz=245,slow=38	<b>Mudanjiang</b>	51.34	29	P	P	09 46 25.0	-0.7
MDJ	comp=Z,1µm,19.1s,MS4.9,baz=245,slow=38				AP	pP	09 46 31.6	-2.2
MDJ	comp=Z,1µm,19.1s,MS4.9,baz=245,slow=38				XP	sP	09 46 33.9	-3.0
MDJ	comp=Z,1µm,19.1s,MS4.9,baz=245,slow=38				PCP	pP	09 47 38.5	-2.0
MDJ	comp=Z,1µm,19.1s,MS4.9,baz=245,slow=38				PP	PP	09 48 21.4	-2.1
MDJ	comp=Z,1µm,19.1s,MS4.9,baz=245,slow=38				SCP	PP	09 51 34.6	
MDJ	comp=Z,1µm,19.1s,MS4.9,baz=245,slow=38				PCS	PP	09 51 37.3	
MDJ	comp=Z,1µm,19.1s,MS4.9,baz=245,slow=38				S	S	09 53 46.5	+4.7
MDJ	comp=Z,1µm,19.1s,MS4.9,baz=245,slow=38				SCS	SS	09 56 13.1	+2.0
MDJ	comp=Z,28nm,1.2s,mb5.1				AMB	AMB		
MDJ	comp=Z,316nm,5.6s				AMB	AMB		
MDJ	comp=N,854nm,16.8s,MS5.1				LR	LR		
MDJ	comp=E,1µm,17.5s,MS5.1				LR	LR		
MDJ	comp=Z,2µm,13.3s,MS5.4				LR	LR		
MDJ	comp=Z,60nm,1.1s,mb5.4				e	pP	09 46 25.7	0.0
MDJ	comp=Z,2µm,19.0s,MS5.1				e	LR	09 46 34.4	+0.6
ZAL	comp=Z,78nm,0.7s	<b>Zalesovo</b>	52.85	351	iP	P	09 46 36.1	-0.9
ZAL	comp=Z,78nm,0.7s,mb5.7,baz=301,slow=6.4,SNR=290	<b>Zalesovo</b>	52.85	351	P	P	09 46 36.1	-0.9
ZAL	comp=Z,49nm,0.9s,baz=298,slow=7.7,SNR=11				pP	pP	09 46 44.0	-1.1
ZAL	comp=Z,1.3nm,0.5s,baz=182,slow=21,SNR=11				S	S	09 54 02.6	+0.3
CTA	comp=Z,13nm,0.9s,mb4.8	<b>Charters Tower</b>	52.93	117	eP	P	09 46 37.6	-0.5
CTA	comp=Z,13nm,0.9s,mb4.8	<b>Charters Tower</b>	52.93	117	eP	P	09 46 37.6	-0.5
CTA	comp=Z,13nm,0.9s,mb4.8				e	LR	10 13 27.6	
CTA	comp=Z,1µm,18.5s,MS4.9,baz=21,slow=41	<b>Charters Tower</b>	52.93	117	eP	P	09 46 37.9	-0.2
CTA	comp=Z,13nm,0.7s,mb5.0				e	pmax	09 46 45.5	-0.7
CTA	comp=Z,13nm,0.7s,mb5.0				e	LR	09 46 45.5	-0.7
CTA	comp=Z,1µm,19.0s,MS5.0				e	LR	09 46 45.5	-0.7
CTA	comp=Z,1µm,19.0s,MS5.0				e	LR	09 46 45.5	-0.7
OPO	comp=Z,1µm,19.0s,MS5.0	<b>Ambohitrampito</b>	53.05	245	P	P	09 46 38.1	-1.0
STKA	comp=Z,0.9nm,0.3s,mb4.2,baz=275,slow=4.8,SNR=5.5	<b>Stevens Creek</b>	53.92	132	eP	P	09 46 44.9	-0.2
STKA	comp=Z,13nm,0.9s,mb4.8				e	LR	10 12 51.3	
STKA	comp=Z,5.4nm,0.9s,mb4.5,baz=307,slow=7.8,SNR=23	<b>Stevens Creek</b>	53.92	132	P	P	09 46 44.9	-0.2
STKA	comp=Z,5.4nm,0.9s,mb4.5,baz=307,slow=7.8,SNR=23				LR	LR	10 12 51.3	
NVS	comp=Z,1µm,20.2s,MS4.9,baz=122,slow=40	<b>Novosibirsk</b>	53.98	350	iP	P	09 46 43.7	-1.5
NVS	comp=Z,1µm,20.2s,MS4.9,baz=122,slow=40	<b>Novosibirsk</b>	53.98	350	iP	P	09 46 43.7	-1.5
NVS	comp=Z,82nm,1.0s,mb5.6				eS	S	09 54 11.3	-6.4
NVS	comp=N,51nm,0.9s				pmax	pmax		
NVS	comp=N,51nm,0.9s				pmax	pmax		
NVS	comp=E,29nm,0.8s				pmax	pmax		
NVS	comp=N,5.0nm,1.3s				smax			
RAYN	comp=Z,44nm,1.5s	<b>Ar Rayn</b>	54.31	298	P	P	09 46 48.0	-0.1
BVAO	comp=Z,153nm,0.9s,SNR=11	<b>Borovoye Array</b>	55.56	341	iP	P	09 46 55.3	-1.5
BVAO	comp=Z,4.0nm,0.8s,mb5.5				e	pmax		
BVAR	comp=Z,4.0nm,0.8s,mb5.5	<b>Borovoye Array</b>	55.56	341	P	P	09 46 55.1	-1.7
BVAR	comp=Z,4.1nm,0.7s,mb5.5,baz=143,slow=7.4,SNR=182				pP	pP	09 47 03.4	-1.5
KLR	comp=Z,28nm,0.9s,baz=172,slow=10,SNR=11	<b>Kul'dur</b>	55.70	27x	iP	P	09 46 54.7	-3.2
KLR	comp=Z,28nm,0.9s,baz=172,slow=10,SNR=11				eS	S	09 54 42.0	+1.1
KLR	comp=Z,28nm,0.9s,baz=172,slow=10,SNR=11				eSS	SS	09 58 31.0	+4.7
KLR	comp=N,64nm,1.8s				pmax	pmax		
KLR	comp=N,64nm,1.8s				pmax	pmax		
KLR	comp=E,85nm,1.1s				pmax	pmax		
KLR	comp=Z,130nm,1.8s,mb5.7				MLR	MLR		
KLR	comp=E,1µm,13.5s				MLR	MLR		
CHKZ	comp=Z,14µm,13.5s,MS5.7	<b>Chkalovo</b>	56.03	341	iP	P	09 46 58.9	-1.3
CHKZ	comp=Z,14µm,13.5s,MS5.7	<b>Chkalovo</b>	56.03	341	iP	P	09 46 58.9	-1.3
BOD	comp=Z,36nm,1.0s,mb5.4	<b>Bodaibo</b>	57.36	11	iP	P	09 47 08.6	-1.1
BOD	comp=Z,36nm,1.0s,mb5.4				e	pmax		
ASAJ	comp=Z,36nm,1.0s,mb5.4	<b>Asahikawa</b>	58.20	37	P	P	09 47 15.1	-0.6
ASAJ	comp=Z,25nm,0.7s,mb5.3,baz=232,slow=8.9,SNR=15	<b>Chul'man</b>	59.13	17	eP	P	09 47 20.9	-1.1
CLNS	comp=Z,25nm,0.7s,mb5.3,baz=232,slow=8.9,SNR=15				ePPP	pP	09 47 26.3	-3.9
CLNS	comp=Z,25nm,0.7s,mb5.3,baz=232,slow=8.9,SNR=15				e	S	09 48 09.1	
CLNS	comp=Z,25nm,0.7s,mb5.3,baz=232,slow=8.9,SNR=15				eS	PS	09 55 24.7	-1.1
CLNS	comp=Z,25nm,0.7s,mb5.3,baz=232,slow=8.9,SNR=15				eSS	SS	09 59 13.9	-7.9
CLNS	comp=N,31nm,0.8s				pmax	pmax		
CLNS	comp=E,26nm,0.8s				pmax	pmax		
CLNS	comp=Z,69nm,0.8s,mb5.7				pmax	pmax		
CLNS	comp=Z,6.0nm,1.0s,mb4.6				pmax	pmax		
CLNS	comp=N,10.0nm,0.8s				pmax	pmax		
CLNS	comp=E,6.0nm,0.8s				smax			
CLNS	comp=N,196nm,12.3s				smax			
CLNS	comp=Z,88nm,11.6s				smax			
CLNS	comp=E,45nm,12.7s				MLR	MLR		
CLNS	comp=Z,4µm,17.0s,MS5.5				MLR	MLR		
CLNS	comp=N,2µm,14.0s,MS5.3				MLR	MLR		
CLNS	comp=E,500nm,14.0s,MS5.3				MLR	MLR		
YSS	comp=Z,1µm,15.0s,MS5.0	<b>Yuzh-Sakhalins</b>	59.86	35	iP	P	09 47 27.0	-0.2
YSS	comp=Z,1µm,15.0s,MS5.0	<b>Yuzh-Sakhalins</b>	59.86	35	iP	P	09 47 27.0	-0.2
YSS	comp=Z,1µm,15.0s,MS5.0				eS	S	09 55 52.0	+1.7
YSS	comp=N,40nm,1.0s				pmax	pmax		
YSS	comp=Z,120nm,1.0s,mb5.9				pmax	pmax		
YSS	comp=E,30nm,0.9s				MLR	MLR		
YSS	comp=N,900nm,16.0s,MS5.2				MLR	MLR		
YSS	comp=E,1µm,16.0s,MS5.2				MLR	MLR		
YSS	comp=Z,1µm,16.0s,MS5.0				LR	LR		
YSS	comp=Z,121nm,1.0s,mb5.9				iP	P	09 47 27.1	-0.1
KMBO	comp=Z,713nm,21.0s,MS4.8	<b>Kilima Mbogo</b>	59.88	268	iP	P	09 47 27.8	+0.1
KMBO	comp=Z,7.0nm,0.8s				e	pmax		
KMBO	comp=Z,7.0nm,0.8s	<b>Kilima Mbogo</b>	59.88	268	P	P	09 47 28.1	+0.4
KMBO	comp=Z,6.5nm,0.8s,mb4.7,baz=60,slow=9.9,SNR=6.9				LR	LR	10 09 37.3	
KMBO	comp=Z,759nm,20.2s,MS4.8,baz=277,slow=32							

KMBO	comp=Z,9.2nm,0.8s,mb4.9	<b>Kilima Mbogo</b>	59.88	268	eP	P	09 47 27.8	+0.1
KMBO	comp=Z,9.2nm,0.8s,mb4.9				LR	LR		
GNI	comp=Z,799nm,21.0s,MS4.8	<b>Garni</b>	60.70	316	iP	P	09 47 32.0	-1.0
GNI	comp=Z,10.0nm,0.8s				e	pmax		
GNI	comp=Z,10.0nm,0.8s	<b>Garni</b>	60.70	316	P	P	09 47 32.8	-0.2
GNI	comp=Z,2.2nm,0.4s,mb4.7,baz=359,slow=18,SNR=4.2				ePPP	PPP	09 47 32.0	-1.1
GNI	comp=Z,2.6nm,0.9s,mb5.4				e	pmax		
GNI	comp=Z,382nm,20.0s,MS4.5				LR	LR		
TIZ	comp=Z,382nm,20.0s,MS4.5	<b>Plehanov</b>	61.38	318	eP	P	09 47 38.2	+0.6
SVE	comp=Z,382nm,20.0s,MS4.5	<b>Sverdlvovsk</b>	62.00	338	iP	P	09 47 40.6	-1.0
SVE	comp=Z,382nm,20.0s,MS4.5				e	pmax		
ZEI	comp=Z,58nm,1.0s,mb5.7	<b>Tsey</b>	62.39	318	eP	P	09 47 44.3	-0.1
ZEI	comp=Z,58nm,1.0s,mb5.7				i	pP	09 47 55.3	+2.6
ZEI	comp=Z,58nm,1.0s,mb5.7				i	p	09 48 00.1	
ZEI	comp=Z,8.0nm,0.9s,mb4.8				e	pmax		
ARU	comp=Z,8.0nm,0.9s,mb4.8	<b>Arti</b>	62.50	337	iP	P	09 47 44.3	-0.6
ARU	comp=Z,8.0nm,0.9s,mb4.8				e	p	09 48 20.3	
ARU	comp=Z,8.0nm,0.9s,mb4.8				e	S	09 50 05.1	
ARU	comp=Z,8.0nm,0.9s,mb4.8				eS	SS	09 56 12.2	+3.4
ARU	comp=Z,8.0nm,0.9s,mb4.8				eSS	SS	10 00 17.1	+2.2
ARU	comp=Z,38nm,1.0s,mb5.5				pmax	pmax		
ARU	comp=Z,600nm,22.0s,MS4.7				MLR	MLR		
ARU	comp=N,400nm,20.0s,MS4.7				MLR	MLR		
ARU	comp=E,400nm,21.0s,MS4.7				MLR	MLR		
ARU	comp=E,400nm,21.0s,MS4.7	<b>Arti</b>	62.50	337	iP	P	09 47 44.1	-0.8
HNR	comp=Z,158nm,21.0s,MS4.2	<b>Honiara</b>	63.63	101	PFAKE	LR	09 48 00.0	+6.9
HNR	comp=Z,158nm,21.0s,MS4.2				LR	LR		
KIV	comp=Z,355nm,20.0s,MS4.5	<b>Kislovodsk</b>	63.70	319	eP	P	09 47 52.4	-0.6
KIV	comp=Z,355nm,20.0s,MS4.5				i	pP	09 47 59.1	-2.2
KIV	comp=Z,355nm,20.0s,MS4.5				i	p	09 48 29.3	
KIV	comp=Z,355nm,20.0s,MS4.5				i	S	09 50 21.0	
KIV	comp=Z,355nm,20.0s,MS4.5				iS	SS	09 56 25.4	+1.3
KIV	comp=Z,355nm,20.0s,MS4.5				iSS	SS	10 00 36.0	+2.4
KIV	comp=Z,19nm,0.9s,mb5.1				pmax	pmax		
KIV	comp=Z,100nm,7.0s				MLR	MLR		
KIV	comp=Z,100nm,7.0s	<b>Kislovodsk</b>	63.70	319	eP	P	09 47 52.1	-0.9
KIV	comp=Z,63nm,1.0s,mb5.6				eP	pP	09 48 00.2	-1.0
KIV	comp=Z,63nm,1.0s,mb5.6				LR	LR		
GOF	comp=Z,82nm,22.0s	<b>Gofitskoye</b>	63.95	320	iP	P	09 48 00.0	+5.4
GOF	comp=Z,82nm,22.0s				pmax	pmax		
ASF	comp=Z,700nm,2.2s	<b>Jabal al Asfar</b>	63.96	305	P	P	09 47 54.9	0.0
ASF	comp=Z,700nm,2.2s				pP	pP	09 48 03.1	-0.1
ASF	comp=Z,9.9nm,0.9s,baz=23,slow=5.7,SNR=4.2	<b>Yakutsk</b>	64.80	16	eP	P	09 47 58.4	-1.5
ASF	comp=Z,9.9nm,0.9s,baz=23,slow=5.7,SNR=4.2				e	P	09 48 28.8	
YAK	comp=Z,9.9nm,0.9s,baz=23,slow=5.7,SNR=4.2				ePPP	PPP	09 50 23.5	
YAK	comp=Z,9.9nm,0.9s,baz=23,slow=5.7,SNR=4.2				eS	SS	09 52 02.9	+4.9
YAK	comp=Z,9.9nm,0.9s,baz=23,slow=5.7,SNR=4.2				eS	S	09 56 37.8	+0.4
YAK	comp=Z,9.9nm,0.9s,baz=23,slow=5.7,SNR=4.2				eSS	SS	10 00 54.4	+3.8
YAK	comp=Z,240nm,1.0s,mb6.2				pmax	pmax		
YAK	comp=N,68nm,1.1s				pmax	pmax		
YAK	comp=E,61nm,1.2s				pmax	pmax		
YAK	comp=Z,7.0nm,0.8s,mb4.7				pmax	pmax		
YAK	comp=N,5.0nm,1.3s				pmax	pmax		

KSP	comp=Z,300nm,18.7s	82.70 321	eP	P	09 49 44.4 +0.3
KSP	Ksiaz	82.70 321	eS	S	09 59 59.0 +0.3
KSP	Ksiaz	82.70 321	eP	P	09 49 45.1 +1.0
UPC	Upic	82.87 317	eP	P	09 49 45.8 +0.9
ARSA	Arzbergt	82.87 317	iP	P	09 49 45.5 +0.4
BOJS	comp=Z,14nm,1.0s,mb5.0	82.91 315	eP	P	09 49 45.5 +0.2
PERS	Bojanci	83.09 317	eP	P	09 49 47.0 +0.8
LJU	Pernice	83.46 316	eP	P	09 49 48.5 +0.4
OBKA	Ljubljana	83.49 316	iP	P	09 49 48.6 +0.4
SDI	comp=Z,8.8nm,0.9s,mb4.8	83.70 312	eP	P	09 49 49.5 0.0
PRU	San Donato	83.74 320	eP	P	09 49 49.9 +0.4
PRU	Pruhonice	83.74 320	eS	S	10 00 10.9 +0.8
PRU			AMS	AMS	10 34 00.0
PVCC	comp=Z,300nm,14.0s	83.77 320	eP	P	09 49 49.8 +0.2
PVCC	Panska Ves	83.77 320	eP	P	10 34 20.0
VOY	comp=Z,300nm,18.8s	84.30 316	eP	P	09 49 50.5 +0.1
BRG	Vojsko	84.19 321	iP	P	09 49 52.3 +0.6
BRG	Berggiesshubel	84.19 321	iP	P	09 49 52.3 +0.6
BRG	comp=Z,9.0nm,1.0s,mb4.8	84.19 321	iP	P	09 49 52.3 +0.6
BRG	Berggiesshubel	84.19 321	iP	P	09 49 52.3 +0.6
BRG	comp=Z,8.6nm,0.9s,mb4.9	84.19 321	iP	P	09 49 52.3 +0.6
GE2C	GERESS Array S	84.21 319	eP	P	09 49 52.4 +0.5
GE2C			AMS	AMS	
GERES	comp=Z,19nm,1.1s,mb5.1	84.21 319	eP	P	09 49 52.4 +0.5
GERES	GERESS Array S	84.21 319	eP	P	09 49 52.4 +0.5
GERES	comp=Z,12nm,0.9s,mb5.0,baz=104,slow=5.5,SNR=50	84.21 319	eP	P	09 49 52.1 +0.3
NRCA	Norcila	84.28 313	eP	P	09 49 52.8 +0.4
PTCC	Patocco-Chiusa	84.29 316	eP	P	09 49 52.8 +0.4
KHC	Kasperske Hory	84.31 319	eP	P	09 49 52.9 +0.5
KHC			eS	S	10 00 16.9 +2.1
KHC			MLR	MLR	
KHC	comp=Z,200nm,18.0s,MS4.5	84.31 319	eP	P	09 49 52.9 +0.5
KHC	Kasperske Hory	84.31 319	eP	P	09 50 19.0
KHC			eS	S	10 00 16.9 +2.1
KHC			AMS	AMS	10 38 30.0
KBA	comp=Z,200nm,18.0s	84.34 317	iP	P	09 49 52.7 +0.1
KBA	Koelnbreinsper	84.34 317	iP	P	09 49 52.7 +0.1
KBA	comp=Z,9.9nm,0.8s,mb4.9	84.34 317	iP	P	09 49 52.7 +0.1
KBA	Koelnbreinsper	84.34 317	iP	P	09 49 52.7 +0.1
ARV	comp=Z,10.0nm,0.9s,mb5.0	84.44 313	eP	P	09 49 54.1 +0.9
WET	Arevea	84.44 313	eP	P	09 49 55.1 +0.4
WET	Wetzell	84.44 313	eP	P	09 49 55.1 +0.4
WET			AMS	AMS	
WET	comp=Z,10.0nm,0.8s,mb5.0	84.77 319	eP	P	09 49 55.1 +0.4
WET	Wetzell	84.77 319	eP	P	09 49 55.1 +0.4
WET	comp=Z,10.0nm,0.8s,mb5.0	84.81 321	iP	P	09 49 55.2 +0.4
WET	Colim	84.81 321	iP	P	09 49 55.2 +0.4
WET			i	i	09 50 03.9 +0.6
WET			pP	pP	
WET			AMS	AMS	
WET	comp=Z,4.00nm,1.0s,mb4.9	84.81 321	iP	P	09 49 55.2 +0.4
WET	Colim	84.81 321	iP	P	09 49 55.2 +0.4
WET	comp=Z,10.0nm,1.0s,mb4.9	84.81 321	iP	P	09 49 55.2 +0.4
WET	Colim	84.81 321	iP	P	09 49 55.2 +0.4
WET	comp=Z,4.00nm,19.0s,MS4.8	84.81 321	iP	P	09 49 55.2 +0.4
WET	Colim	84.81 321	iP	P	09 49 55.2 +0.4
WET	comp=Z,logA/T=1.0,mb4.9	84.81 321	iP	P	09 50 03.9 +0.6
WET			i*PP	i*PP	09 50 03.9 +0.6
HFS	Hagfors	85.06 330	eP	P	09 49 56.2 +0.4
HFS			P	P	09 49 56.2 +0.4
NKC	Novy Kostel	85.10 320	eP	P	09 49 58.0 +1.7
NKC			eS	S	10 00 26.8 +4.2
NKC			MLR	MLR	
NKC	comp=N,400nm,22.4s	85.24 314	eP	P	09 49 58.8 +1.6
SFI	Santa Sofia	85.24 314	eP	P	09 49 58.8 +1.6
PGD	Poggio Sodo	85.33 314	eP	P	09 49 59.6 +2.0
VMG	Vicchio	85.47 314	eP	P	09 49 59.9 +1.6
WTTA	Wattenberg	85.51 317	iP	P	09 49 58.1 -0.3
WTTA	comp=N,12nm,0.8s,mb5.2	85.51 317	iP	P	09 49 58.1 -0.3
WTTA	Wattenberg	85.51 317	iP	P	09 49 58.1 -0.3
WTTA			AMS	AMS	
MOX	comp=Z,12nm,0.8s,mb5.2	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,20nm,1.4s,mb5.2	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,200nm,22.0s,MS4.5	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,20nm,1.4s,mb5.2	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,logA/T=1.1,mb5.1	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,200nm,22.0s,MS4.5	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,20nm,1.4s,mb5.2	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,200nm,22.0s,MS4.5	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,20nm,1.4s,mb5.2	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,200nm,22.0s,MS4.5	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,20nm,1.4s,mb5.2	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,200nm,22.0s,MS4.5	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,20nm,1.4s,mb5.2	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,200nm,22.0s,MS4.5	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,20nm,1.4s,mb5.2	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,200nm,22.0s,MS4.5	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,20nm,1.4s,mb5.2	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,200nm,22.0s,MS4.5	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,20nm,1.4s,mb5.2	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,200nm,22.0s,MS4.5	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,20nm,1.4s,mb5.2	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,200nm,22.0s,MS4.5	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,20nm,1.4s,mb5.2	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,200nm,22.0s,MS4.5	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,20nm,1.4s,mb5.2	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,200nm,22.0s,MS4.5	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,20nm,1.4s,mb5.2	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,200nm,22.0s,MS4.5	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,20nm,1.4s,mb5.2	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,200nm,22.0s,MS4.5	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,20nm,1.4s,mb5.2	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,200nm,22.0s,MS4.5	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,20nm,1.4s,mb5.2	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,200nm,22.0s,MS4.5	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,20nm,1.4s,mb5.2	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,200nm,22.0s,MS4.5	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,20nm,1.4s,mb5.2	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,200nm,22.0s,MS4.5	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,20nm,1.4s,mb5.2	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,200nm,22.0s,MS4.5	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,20nm,1.4s,mb5.2	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,200nm,22.0s,MS4.5	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,20nm,1.4s,mb5.2	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,200nm,22.0s,MS4.5	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,20nm,1.4s,mb5.2	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,200nm,22.0s,MS4.5	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,20nm,1.4s,mb5.2	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,200nm,22.0s,MS4.5	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,20nm,1.4s,mb5.2	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,200nm,22.0s,MS4.5	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,20nm,1.4s,mb5.2	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,200nm,22.0s,MS4.5	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,20nm,1.4s,mb5.2	85.65 320	eP	P	09 50 00.0 +1.0
MOX	Moxa	85.65 320	eP	P	09 50 00.0 +1.0
MOX	comp=Z,200nm				

Table with columns: DWPF, Disney, 150.14 357, PFAKE, LR, 09 57 20.0 +10, etc.

SKHL 05 09:39:54.0.0.1, 53.08N, 128.95E, h5km, 11km, mb3.5/5,

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

IGQ 05 10:02:39.1, 2.68S, 79.76W, h12km, 11km, mb4.4, 1C,

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

CSEM 05 10:02:51.0.0.1, 15.47N, 43.77E, h15km, ML3.1, Error ellipse: s-maj=5.6km s-min=1.6km az=68.0

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

ISC 05 10:10:41.4.1.0, 1.2N, 101.977E, 0.2, h30km, n11,

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

Table with columns: WRA, Warramunga Arr, 4207 122, P, 10 18 31.9 -0.7, etc.

WRA Warramunga Arr 4207 122 P 10 18 31.9 -0.7

1.2nm, 0.65mb, 7.0, baz=300, slow=1.1, SNR=18

WRRAB Tennant Creek 4208 122 eP P 10 18 32.9 +0.2

2.3nm, 0.65mb, 4.0, baz=42, slow=1.0, SNR=11

ASAR Alice Springs 4242 127 P P 10 18 44.6 +1.0

0.5nm, 0.4s, mb3.6, baz=239, slow=7.3, SNR=11

AAK Ala-Archa 4600 337 P P 10 19 03.6 -0.5

2.0nm, 0.9s, mb4.0, baz=47, 17 8 P P 10 19 14.1 +0.9

SONM Songino Array 4726 346 P P 10 19 14.2 +0.3

1.1nm, 0.65mb, 4.0, baz=160, slow=8.2, SNR=11

KURK Kurchatov 5181 345 eP P 10 19 48.3 -0.4

4.9nm, 1.0s, mb4.3, baz=10, 0.8s, mb4.1

CHKZ Chkalovo 56.74 341 eP P 10 20 24.5 -0.3

1.7nm, 0.8s, mb4.1

WRA Warramunga Arr 4207 122 P 10 18 31.9 -0.7

1.2nm, 0.65mb, 7.0, baz=300, slow=1.1, SNR=18

WRRAB Tennant Creek 4208 122 eP P 10 18 32.9 +0.2

2.3nm, 0.65mb, 4.0, baz=42, slow=1.0, SNR=11

ASAR Alice Springs 4242 127 P P 10 18 44.6 +1.0

0.5nm, 0.4s, mb3.6, baz=239, slow=7.3, SNR=11

AAK Ala-Archa 4600 337 P P 10 19 03.6 -0.5

2.0nm, 0.9s, mb4.0, baz=47, 17 8 P P 10 19 14.1 +0.9

SONM Songino Array 4726 346 P P 10 19 14.2 +0.3

1.1nm, 0.65mb, 4.0, baz=160, slow=8.2, SNR=11

KURK Kurchatov 5181 345 eP P 10 19 48.3 -0.4

4.9nm, 1.0s, mb4.3, baz=10, 0.8s, mb4.1

CHKZ Chkalovo 56.74 341 eP P 10 20 24.5 -0.3

1.7nm, 0.8s, mb4.1

WRA Warramunga Arr 4207 122 P 10 18 31.9 -0.7

1.2nm, 0.65mb, 7.0, baz=300, slow=1.1, SNR=18

WRRAB Tennant Creek 4208 122 eP P 10 18 32.9 +0.2

2.3nm, 0.65mb, 4.0, baz=42, slow=1.0, SNR=11

ASAR Alice Springs 4242 127 P P 10 18 44.6 +1.0

0.5nm, 0.4s, mb3.6, baz=239, slow=7.3, SNR=11

AAK Ala-Archa 4600 337 P P 10 19 03.6 -0.5

2.0nm, 0.9s, mb4.0, baz=47, 17 8 P P 10 19 14.1 +0.9

SONM Songino Array 4726 346 P P 10 19 14.2 +0.3

1.1nm, 0.65mb, 4.0, baz=160, slow=8.2, SNR=11

KURK Kurchatov 5181 345 eP P 10 19 48.3 -0.4

4.9nm, 1.0s, mb4.3, baz=10, 0.8s, mb4.1

CHKZ Chkalovo 56.74 341 eP P 10 20 24.5 -0.3

1.7nm, 0.8s, mb4.1

WRA Warramunga Arr 4207 122 P 10 18 31.9 -0.7

1.2nm, 0.65mb, 7.0, baz=300, slow=1.1, SNR=18

WRRAB Tennant Creek 4208 122 eP P 10 18 32.9 +0.2

2.3nm, 0.65mb, 4.0, baz=42, slow=1.0, SNR=11

ASAR Alice Springs 4242 127 P P 10 18 44.6 +1.0

0.5nm, 0.4s, mb3.6, baz=239, slow=7.3, SNR=11

AAK Ala-Archa 4600 337 P P 10 19 03.6 -0.5

2.0nm, 0.9s, mb4.0, baz=47, 17 8 P P 10 19 14.1 +0.9

SONM Songino Array 4726 346 P P 10 19 14.2 +0.3

1.1nm, 0.65mb, 4.0, baz=160, slow=8.2, SNR=11

KURK Kurchatov 5181 345 eP P 10 19 48.3 -0.4

4.9nm, 1.0s, mb4.3, baz=10, 0.8s, mb4.1

CHKZ Chkalovo 56.74 341 eP P 10 20 24.5 -0.3

1.7nm, 0.8s, mb4.1

WRA Warramunga Arr 4207 122 P 10 18 31.9 -0.7

1.2nm, 0.65mb, 7.0, baz=300, slow=1.1, SNR=18

WRRAB Tennant Creek 4208 122 eP P 10 18 32.9 +0.2

2.3nm, 0.65mb, 4.0, baz=42, slow=1.0, SNR=11

Table with columns: WMQ, Urumqi, 40.88 351, eP, P, 10 35 09.8 +0.1, etc.

WMQ Urumqi 40.88 351 eP P 10 35 09.8 +0.1

comp=Z, 1.30nm, 17.1s, MS3.8

WRA Warramunga Arr 44.09 123 P P 10 35 36.4 +0.1

comp=Z, 1.5nm, 0.6s, mb3.9

WRRAB Tennant Creek 44.10 123 eP P 10 35 36.7 +0.4

comp=Z, 1.4nm, 1.0s, mb4.7

WRRAB Tennant Creek 44.10 123 eP P 10 35 36.7 +0.4

comp=Z, 1.4nm, 1.0s, mb4.7

WB2 Warramunga Arr 44.10 123 eP P 10 35 36.0 -0.4

comp=Z, 1.4nm, 1.0s, mb4.7

MKAR Makanchi Array 44.81 346 P P 10 35 41.2 -0.6

comp=Z, 1.0nm, 0.4s

MKAR Makanchi Array 44.81 346 P P 10 35 41.4 -0.4

comp=Z, 2.6nm, 0.5s, mb4.3, baz=158, slow=8.5, SNR=14

SONM Songino Array 45.06 10 P P 10 35 42.9 -0.8

comp=Z, 0.5nm, 0.6s, mb3.5, baz=202, slow=7.8, SNR=2.5

ASAR Alice Springs 45.56 128 P P 10 35 48.1 +0.1

comp=Z, 1.2nm, 0.5s, mb4.0, baz=296, slow=7.7, SNR=13

ASAR Alice Springs 45.56 128 P P 10 35 48.1 +0.1

comp=Z, 1.2nm, 0.5s, mb4.0, baz=296, slow=7.7, SNR=13

KURK Kurchatov 49.35 345 P P 10 36 15.6 -1.7

comp=Z, 2.0nm, 0.5s, mb4.4

KURK Kurchatov 49.35 345 eP P 10 36 15.6 -1.7

comp=Z, 2.4nm, 0.5s, mb4.5

MDJ Mudanjiang 50.41 31 P P 10 36 26.4 +0.1

comp=Z, 6.0nm, 1.4s, mb4.4

MDJ Mudanjiang 50.41 31 P P 10 36 26.4 +0.1

comp=Z, 2.7nm, 4.5s

BVAO Borovoye Array 53.79 341 P P 10 36 49.8 -0.9

comp=Z, 2.3nm, 0.6s, mb4.3, baz=143, slow=7.4, SNR=7.2

BVAO Borovoye Array 53.79 341 P P 10 36 49.8 -0.9

comp=Z, 2.3nm, 0.6s, mb4.3, baz=143, slow=7.4, SNR=7.2

CHKZ Chkalovo 54.27 342 eP P 10 36 53.6 -0.6

comp=Z, 6.0nm, 0.6s, mb4.7

CHKZ Chkalovo 54.27 342 eP P 10 36 53.6 -0.6

comp=Z, 6.5nm, 0.6s, mb4.7

STKA Stephens Creek 55.62 133 P P 10 37 04.7 +0.3

comp=Z, 2.1nm, 1.0s, mb4.3, baz=104, slow=13, SNR=4.7

KMBO Kilima Mbogo 59.10 267 P P 10 37 33.9 +4.8

comp=Z, 3.0nm, 1.0s

KMBO Kilima Mbogo 59.10 267 P P 10 37 33.9 +4.8

comp=Z, 2.9nm, 1.0s, mb4.2

MALT Malatya 62.88 312 P P 10 37 55.4 +1.0

comp=Z, 3.0nm, 0.8s, mb4.5

MALT Malatya 62.88 312 P P 10 37 55.4 +1.0

comp=Z, 3.2nm, 0.8s, mb4.5

BRTR Keskin Array 66.86 312 P P 10 38 20.8 +0.5

comp=Z, 1.1nm, 0.5s, mb4.1, baz=117, slow=5.5, SNR=6.7

AKASE Main Array 72.86 322 P P 10 38 56.6 -0.1

comp=Z, 0.3nm, 0.2s, mb3.8, baz=55, SNR=4.7

LVV L'vov 75.89 321 eP P 10 39 17.0 +2.8

comp=Z, 1.2nm, 0.8s, mb4.1, baz=117, slow=5.5, SNR=6.7

LVV L'vov 75.89 321 eP P 10 39 17.0 +2.8

comp=Z, 1.2nm, 0.8s, mb4.1, baz=117, slow=5.5, SNR=6.7

GERES Geres Array 82.46 319 P P 10 39 51.5 +1.8

comp=Z, 2.9nm, 0.7s, mb4.8

LPG La Plagne 87.16 315 eP P 10 40 16.3 +3.0

comp=Z, 4.0nm, 0.7s, mb4.8

LPG La Plagne 87.16 315 eP P 10 40 16.3 +3.0

comp=Z, 4.0nm, 0.7s, mb4.8

NIED 05 11:02:00.36, 70N, 138.80E, h8km, Mw3.7, Best double couple: M3.87x10^14 NP1: 259, 883, lambda: 167, NP2: 167, 877, lambda: 8

ISC 05 11:02:43.2, 1.0, 36.49N, 138.75E, mb3.3/4, mb1 3.6/4, mb1mx3.4/22, mbtmp3.7/4, ML4.0/1, Error ellipse: s-maj=112.0km s-min=26.4km az=61.0, Off west coast of northern Sumatra

ISC 05 10:25:38.1, 3.0, 3.07N, 93.77E, mb3.7/3, mb1 3.9/4, mb1mx3.6/18, mbtmp3.7/4, ML4.0/1, Error ellipse: s-maj=112.0km s-min=26.4km az=61.0, Off west coast of northern Sumatra

Code Station Name Delta A Delta Z Phase ID Op ISC Time Res

CMAR Chiang Mai Arr 16.11 18 Op ISC P 10 29 26.2 -1.5

0.2nm, 0.3s, baz=214, slow=11, SNR=12

MKAR Makanchi Array 44.68 349 P P 10 33 52.7 -1.8

0.9nm, 0.5s, baz=162, slow=8.7, SNR=8.3

WRA Warramunga Arr 45.93 127 P P 10 34 03.5 -1.3

0.4nm, 0.5s, baz=300, slow=9.1, SNR=6.4

ASAR Alice Springs 47.52 126 P P 10 34 12.8 -2.4

0.6nm, 0.7s, baz=296, slow=7.6, SNR=8.2

ISC 05 10:27:26.4, 1.0, 3.57N, 96.28E, mb4.1/9, mb1 4.2/10, mb1mx4.0/18, mbtmp4.0/10, ML4.0/1, MS3.5/2, Ms1 3.6/2, ms1mx3.4/22, mbtmp3.7/4, Error ellipse: s-maj=47.9km s-min=16.5km az=52.0

BJI 05 10:27:30.6, 3.50N, 96.20E, h30km, mb5.1, mb4.5, Ms4.0, Ms3.8

MOS 05 10:27:30.3, 1.4, 3.71N, 96.48E, h33km, mb4.6/10, Error ellipse: s-maj=26.5km s-min=10.9km az=116.1

NEIC 05 10:27:30.6, 0.4, 3.51N, 96.22E, h30km, mb4.5/13, Error ellipse: s-maj=13.8km s-min=6.6km az=46.0

ISC 05 10:27:28.9, 0.5, 3.47N, 0.08, 96.20E, 0.08, h32km, h32km=2.7km, pp-P, P, N45, 0.995/47, mb4.3/25, MS3.7/3, Northern Sumatra

Code Station Name Delta A Delta Z Phase ID Op ISC Time Res

KULM Kulim 4.79 68 eP Pn 10 28 41.5 +0.7

0.439nm, 1.0s

SNG Songkhla 5.73 68 eP Pn 10 28 59.0 +4.9

0.2nm, 0.3s, baz=198, slow=11, SNR=2.7

CMAR Chiang Mai Arr 15.13 10 Pn LR 10 31 02.2 -0.1

comp=Z, 1.15nm, 19.5s, baz=205, slow=38

KMI Kota Kinabalu 20.11 82 eP P 10 32 02.6 -0.4

comp=Z, 1.1nm, 1.0s, mb4.2

KMI Kota Kinabalu 20.11 82 eP P 10 32 02.6 -0.4

comp=Z, 1.1nm, 1.0s, mb4.2

KMI Kota Kinabalu 20.11 82 eP P 10 32 02.6 -0.4

comp=Z, 1.1nm, 1.0s, mb4.2

KMI Kota Kinabalu 20.11 82 eP P 10 32 02.6 -0.4

comp=Z, 1.1nm, 1.0s, mb4.2

KMI Kota Kinabalu 20.11 82 eP P 10 32 02.6 -0.4

comp=Z, 1.1nm, 1.0s, mb4.2

KMI Kota Kinabalu 20.11 82 eP P 10 32 02.6 -0.4

comp=Z, 1.1nm, 1.0s, mb4.2

KMI Kota Kinabalu 20.11 82 eP P 10 32 02.6 -0.4

comp=Z, 1.1nm, 1.0s, mb4.2

KMI Kota Kinabalu 20.11 82 eP P 10 32 02.6 -0.4

comp=Z, 1.1nm, 1.0s, mb4.2

ISC 05 11:02:25.1, 1.3, 2.36N, 96.12E, mb4.1/10, mb1 4.2/11, mb1mx4.0/20, mbtmp4.0/11, Error ellipse: s-maj=61.0km s-min=15.3km az=56.0

NEIC 05 11:02:29.6, 0.6, 2.39N, 96.16E, h30km, mb4.4/2, Error ellipse: s-maj=17.0km s-min=8.9km az=58.0

ISC 05 11:02:19.0, 0.6, 2.46N, 108.9633E, 0.07, h33km, n20, 0.693/20, mb4.2/17, Northern Sumatra

Code Station Name Delta A Delta Z Phase ID Op ISC Time Res

KULM Kulim 5.14 57 eP Pn 10 11 47.7 +1.9

0.439nm, 1.0s

CMAR

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

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

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

IDC 05 11:12:10.5-0.9, 22.36N-121.28E, mb3.9/8, mb1 4.1/8, mb1mx3.9/21, mbtmp3.9/8, Error ellipse: s-maj=37.0km s-min=17.4km az=67.0

IDC 05 11:13:19.8-1.9, 27.31N-127.36E, mb3.8/4, mb1 3.9/4, mb1mx3.5/22, mbtmp3.8/4, Error ellipse: s-maj=96.2km s-min=16.0km az=36.0

MAN 05 12:06:18.2, 16.11N-120.92E, h32km, mb4.1, ML2.9, MS2.6, 1C, Luzon

TAP 05 11:12:17.2-2.2, 25.35N-120.97E, h39km, ML4.4, TAP Fell I J at Tawa, I J at Taimali, I J at Fanguilan, I J at Hengchun, I J, II at Lanau.

JMA 05 11:13:20.3-0.2, 26.14N-127.27E, h46km, 2km, M3.0, ISC 05 11:13:19.5-0.8, 26.13N-127.26E, 0.5, h4km, 5km, n14, c071/24, mb3.7/4, Ryukyus Islands

MAN 05 12:23:17.3-1.5, 16.41S-178.55W, mb4.1/7, mb1 4.5/7, mb1mx2.4/16, mbtmp4.1/7, Error ellipse: s-maj=101.8km s-min=19.6km az=148.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TAW Tawu, EAST Anshuo, TAI Taimali, etc.

JOW Kunigami, 1.15 52 Pn, 61nm, 0.3s, baz=211, slow=11, SNR=362, 69nm, 0.3s, baz=131, slow=19, SNR=19

IDC 05 12:23:17.3-1.5, 16.41S-178.55W, mb4.1/7, mb1 4.5/7, mb1mx2.4/16, mbtmp4.1/7, Error ellipse: s-maj=101.8km s-min=19.6km az=148.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TAW Tawu, EAST Anshuo, TAI Taimali, etc.

JOW Kunigami, 1.15 52 P, 69nm, 0.3s, baz=131, slow=19, SNR=19

IDC 05 12:23:17.3-1.5, 16.41S-178.55W, mb4.1/7, mb1 4.5/7, mb1mx2.4/16, mbtmp4.1/7, Error ellipse: s-maj=101.8km s-min=19.6km az=148.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TAW Tawu, EAST Anshuo, TAI Taimali, etc.

JOW Kunigami, 1.15 52 P, 69nm, 0.3s, baz=131, slow=19, SNR=19

IDC 05 12:23:17.3-1.5, 16.41S-178.55W, mb4.1/7, mb1 4.5/7, mb1mx2.4/16, mbtmp4.1/7, Error ellipse: s-maj=101.8km s-min=19.6km az=148.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TAW Tawu, EAST Anshuo, TAI Taimali, etc.

JOW Kunigami, 1.15 52 P, 69nm, 0.3s, baz=131, slow=19, SNR=19

IDC 05 12:23:17.3-1.5, 16.41S-178.55W, mb4.1/7, mb1 4.5/7, mb1mx2.4/16, mbtmp4.1/7, Error ellipse: s-maj=101.8km s-min=19.6km az=148.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TAW Tawu, EAST Anshuo, TAI Taimali, etc.

JOW Kunigami, 1.15 52 P, 69nm, 0.3s, baz=131, slow=19, SNR=19

IDC 05 12:23:17.3-1.5, 16.41S-178.55W, mb4.1/7, mb1 4.5/7, mb1mx2.4/16, mbtmp4.1/7, Error ellipse: s-maj=101.8km s-min=19.6km az=148.0

NIED 05 11:19:00, 37.20N-138.80E, h8km, Mw3.7, Best double couple: M4.4, 6x10^14 NP1, 3x10^14, 859, 1.72, NP2, 2x10^16, 836, 1.118

IDC 05 12:35:43.0-1.8, 20.26S-174.74W, mb4.1/5, mb1 4.3/5, mb1mx3.9/18, mbtmp4.1/5, 1C, Error ellipse: s-maj=333.9km s-min=135.3km az=82.0, Tonga Islands

IDC 05 11:19:49.1-0.9, 37.16N-138.94E, mb3.7/6, mb1 3.9/6, mb1mx3.7/22, mbtmp3.7/6, MS3.2/1, Ms1 3.2/1, ms1mx2.6/32, Error ellipse: s-maj=30.4km s-min=10.0km az=126.0

IDC 05 12:35:43.0-1.8, 20.26S-174.74W, mb4.1/5, mb1 4.3/5, mb1mx3.9/18, mbtmp4.1/5, 1C, Error ellipse: s-maj=333.9km s-min=135.3km az=82.0, Tonga Islands

NEIC 05 11:19:50.9-2.8, 37.12N-138.88E, h11km, 18km, mb4.0/4, Error ellipse: s-maj=24.2km s-min=19.2km az=76.0

IDC 05 12:35:43.0-1.8, 20.26S-174.74W, mb4.1/5, mb1 4.3/5, mb1mx3.9/18, mbtmp4.1/5, 1C, Error ellipse: s-maj=333.9km s-min=135.3km az=82.0, Tonga Islands

JMA 05 11:19:51.5, 37.19N-138.83E, h9km, 1km, M4.0, Broadband fault plane solution: P waves, NP1, 2x10^16, 866, 1.35, NP2, 3x10^17, 866, 1.86, Principal axes: T P1g49, Azm253, N P1g4, Azm348, P P1g41, Azm81

IDC 05 12:35:43.0-1.8, 20.26S-174.74W, mb4.1/5, mb1 4.3/5, mb1mx3.9/18, mbtmp4.1/5, 1C, Error ellipse: s-maj=333.9km s-min=135.3km az=82.0, Tonga Islands

JMA Fell II J, ISC 05 11:19:51.0-0.4, 37.20N-138.82E, 0.4, h24km, 4km, n25, c080/35, mb3.8/10, 1C-5D, Near west coast of eastern Honshu

IDC 05 12:35:43.0-1.8, 20.26S-174.74W, mb4.1/5, mb1 4.3/5, mb1mx3.9/18, mbtmp4.1/5, 1C, Error ellipse: s-maj=333.9km s-min=135.3km az=82.0, Tonga Islands

JMA Fell II J, ISC 05 11:19:51.0-0.4, 37.20N-138.82E, 0.4, h24km, 4km, n25, c080/35, mb3.8/10, 1C-5D, Near west coast of eastern Honshu

IDC 05 12:35:43.0-1.8, 20.26S-174.74W, mb4.1/5, mb1 4.3/5, mb1mx3.9/18, mbtmp4.1/5, 1C, Error ellipse: s-maj=333.9km s-min=135.3km az=82.0, Tonga Islands

JMA Fell II J, ISC 05 11:19:51.0-0.4, 37.20N-138.82E, 0.4, h24km, 4km, n25, c080/35, mb3.8/10, 1C-5D, Near west coast of eastern Honshu

IDC 05 12:35:43.0-1.8, 20.26S-174.74W, mb4.1/5, mb1 4.3/5, mb1mx3.9/18, mbtmp4.1/5, 1C, Error ellipse: s-maj=333.9km s-min=135.3km az=82.0, Tonga Islands

JMA Fell II J, ISC 05 11:19:51.0-0.4, 37.20N-138.82E, 0.4, h24km, 4km, n25, c080/35, mb3.8/10, 1C-5D, Near west coast of eastern Honshu

IDC 05 12:35:43.0-1.8, 20.26S-174.74W, mb4.1/5, mb1 4.3/5, mb1mx3.9/18, mbtmp4.1/5, 1C, Error ellipse: s-maj=333.9km s-min=135.3km az=82.0, Tonga Islands

JMA Fell II J, ISC 05 11:19:51.0-0.4, 37.20N-138.82E, 0.4, h24km, 4km, n25, c080/35, mb3.8/10, 1C-5D, Near west coast of eastern Honshu

IDC 05 12:35:43.0-1.8, 20.26S-174.74W, mb4.1/5, mb1 4.3/5, mb1mx3.9/18, mbtmp4.1/5, 1C, Error ellipse: s-maj=333.9km s-min=135.3km az=82.0, Tonga Islands

JMA Fell II J, ISC 05 11:19:51.0-0.4, 37.20N-138.82E, 0.4, h24km, 4km, n25, c080/35, mb3.8/10, 1C-5D, Near west coast of eastern Honshu

IDC 05 12:35:43.0-1.8, 20.26S-174.74W, mb4.1/5, mb1 4.3/5, mb1mx3.9/18, mbtmp4.1/5, 1C, Error ellipse: s-maj=333.9km s-min=135.3km az=82.0, Tonga Islands

JMA Fell II J, ISC 05 11:19:51.0-0.4, 37.20N-138.82E, 0.4, h24km, 4km, n25, c080/35, mb3.8/10, 1C-5D, Near west coast of eastern Honshu

IDC 05 12:35:43.0-1.8, 20.26S-174.74W, mb4.1/5, mb1 4.3/5, mb1mx3.9/18, mbtmp4.1/5, 1C, Error ellipse: s-maj=333.9km s-min=135.3km az=82.0, Tonga Islands

JMA Fell II J, ISC 05 11:19:51.0-0.4, 37.20N-138.82E, 0.4, h24km, 4km, n25, c080/35, mb3.8/10, 1C-5D, Near west coast of eastern Honshu

IDC 05 12:35:43.0-1.8, 20.26S-174.74W, mb4.1/5, mb1 4.3/5, mb1mx3.9/18, mbtmp4.1/5, 1C, Error ellipse: s-maj=333.9km s-min=135.3km az=82.0, Tonga Islands

JMA Fell II J, ISC 05 11:19:51.0-0.4, 37.20N-138.82E, 0.4, h24km, 4km, n25, c080/35, mb3.8/10, 1C-5D, Near west coast of eastern Honshu

IDC 05 12:35:43.0-1.8, 20.26S-174.74W, mb4.1/5, mb1 4.3/5, mb1mx3.9/18, mbtmp4.1/5, 1C, Error ellipse: s-maj=333.9km s-min=135.3km az=82.0, Tonga Islands

JMA Fell II J, ISC 05 11:19:51.0-0.4, 37.20N-138.82E, 0.4, h24km, 4km, n25, c080/35, mb3.8/10, 1C-5D, Near west coast of eastern Honshu

IDC 05 12:35:43.0-1.8, 20.26S-174.74W, mb4.1/5, mb1 4.3/5, mb1mx3.9/18, mbtmp4.1/5, 1C, Error ellipse: s-maj=333.9km s-min=135.3km az=82.0, Tonga Islands

JMA Fell II J, ISC 05 11:19:51.0-0.4, 37.20N-138.82E, 0.4, h24km, 4km, n25, c080/35, mb3.8/10, 1C-5D, Near west coast of eastern Honshu

IDC 05 12:35:43.0-1.8, 20.26S-174.74W, mb4.1/5, mb1 4.3/5, mb1mx3.9/18, mbtmp4.1/5, 1C, Error ellipse: s-maj=333.9km s-min=135.3km az=82.0, Tonga Islands

JMA Fell II J, ISC 05 11:19:51.0-0.4, 37.20N-138.82E, 0.4, h24km, 4km, n25, c080/35, mb3.8/10, 1C-5D, Near west coast of eastern Honshu

IDC 05 12:35:43.0-1.8, 20.26S-174.74W, mb4.1/5, mb1 4.3/5, mb1mx3.9/18, mbtmp4.1/5, 1C, Error ellipse: s-maj=333.9km s-min=135.3km az=82.0, Tonga Islands

JMA Fell II J, ISC 05 11:19:51.0-0.4, 37.20N-138.82E, 0.4, h24km, 4km, n25, c080/35, mb3.8/10, 1C-5D, Near west coast of eastern Honshu

IDC 05 12:35:43.0-1.8, 20.26S-174.74W, mb4.1/5, mb1 4.3/5, mb1mx3.9/18, mbtmp4.1/5, 1C, Error ellipse: s-maj=333.9km s-min=135.3km az=82.0, Tonga Islands

JMA Fell II J, ISC 05 11:19:51.0-0.4, 37.20N-138.82E, 0.4, h24km, 4km, n25, c080/35, mb3.8/10, 1C-5D, Near west coast of eastern Honshu

IDC 05 12:35:43.0-1.8, 20.26S-174.74W, mb4.1/5, mb1 4.3/5, mb1mx3.9/18, mbtmp4.1/5, 1C, Error ellipse: s-maj=333.9km s-min=135.3km az=82.0, Tonga Islands

JMA Fell II J, ISC 05 11:19:51.0-0.4, 37.20N-138.82E, 0.4, h24km, 4km, n25, c080/35, mb3.8/10, 1C-5D, Near west coast of eastern Honshu

IDC 05 12:35:43.0-1.8, 20.26S-174.74W, mb4.1/5, mb1 4.3/5, mb1mx3.9/18, mbtmp4.1/5, 1C, Error ellipse: s-maj=333.9km s-min=135.3km az=82.0, Tonga Islands

JMA Fell II J, ISC 05 11:19:51.0-0.4, 37.20N-138.82E, 0.4, h24km, 4km, n25, c080/35, mb3.8/10, 1C-5D, Near west coast of eastern Honshu







5d 14h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DAVOX Davos, LMG La Plagne, IPA Indian Mountain, etc.

IDC 05 13:05:25.7-1.1, 1.38N-40.34E, h6km, mb3.9/7, mb1 4/1.8, mb1mx3.9/19, mbtmp3.9/8, ML3.9/1, MS3.7/2, Ms1 3/7.2, ms1mx2.9/24, Error ellipse: s-maj=25.5km s-min=20.8km az=58.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ATD Arta Tunnel, ATD Arta Tunnel, ATD Arta Tunnel, etc.

IDC 05 13:10:11.2-2.0, 9.3N-94.64E, mb3.7/5, mb1 3/9.6, mb1mx3.7/20, mbtmp3.7/6, ML3.9/1, Error ellipse: s-maj=80.6km s-min=20.7km az=61.0, Off west coast of northern Sumatara

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

IDC 05 13:34:30.5-3.5, 0.27S-96.93E, mb3.9/2, mb1 3.8/3, mb1mx3.5/17, mbtmp3.7/3, ML3.3/1, Error ellipse: s-maj=137.2km s-min=29.7km az=61.0, Southwest of Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, ASAR Alice Springs, MKAR Makanchi Arr, etc.

IDC 05 13:48:28.4-3.1, 1.33N-97.57E, mb3.6/5, mb1 3.8/6, mb1mx3.7/18, mbtmp3.6/6, MS2.8/1, Ms1 3/0.1, ms1mx2.4/21, Error ellipse: s-maj=122.3km s-min=21.2km az=60.0

NEIC 05 13:46:31.5-1.0, 1.14N-97.19E, h30km, mb4.4/2, Error ellipse: s-maj=25.7km s-min=11.9km az=66.0

IDC 05 13:40:30.0-1.2, 2.12N-0.1, 97.2E-0.2, h33km, n9, 005579, mb3.8/7, Northern Sumatara

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

2005 APR

NEIC 05 13:58:37.5-2.0, 23.95N-121.70E, h6km, 13km, ML4.0(TAP), Error ellipse: s-maj=16.7km s-min=15.5km az=212.0

NEIC Recorded [4 TAP] in Hualien and [2 TAP] in I-lan Counties.

TAP 05 13:58:38.9, 24.06N-121.65E, h8km, ML4.0

TAP Felt IV J at Chiawan, III J at Hualien, II J at Nanau.

IDC 05 13:58:42.5-9.9, 23.99N-121.78E, h33km, 54km, mb3.2/4, mb1 3.5/5, mb1mx3.2/1, mbtmp3.5/5, ML3.3/1, Error ellipse: s-maj=46.4km s-min=23.6km az=73.0

ISC 05 13:58:38.9, 0.3, 24.02N-101.121.72E, 0.02, h8km, n67, s=1500/104, mb3.4/4, AC-1D, Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HWA Hualien, HWA Chiawan, ENA Nanau, NACS Ninganchiao, etc.

IDC 05 14:00:28.7-3.0, 2.18N-96.02E, mb3.6/5, mb1 3.8/6, mb1mx3.6/18, mbtmp3.6/6, ML3.8/1, MS3.5/2, Ms1 3/5/2, ms1mx3.1/19, Error ellipse: s-maj=113.4km s-min=21.2km az=61.0, Northern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, NWAO Narogin (SRO), WRA Warramunga Arr, etc.

IDC 05 14:04:01.1-1.1, 3.78S-107.15E, h100km, ML4.9/2, 4C-3D, Error ellipse: s-maj=59.6km s-min=11.1km az=13.0, Jawa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, NWAO Narogin (SRO), WRA Warramunga Arr, etc.

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Table with columns: PACI Pulusi, PULI Pulusi, PULI Pendagan, Time, Res, h, m, s, ISC.

ISK 05 14:11:27.1, 39.95N-41.44E, h6km, MD3.5

CSEM 05 14:11:27.1, 39.95N-41.44E, h6km, MD3.5, After ISK

ISC 05 14:11:28.6/0.7, 40.07N-0.05-41.30E, 0.08, h6km, n11, 01936/15, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like EZZ Erzincan, BINT Bingol, BINT Bingol, etc.

IDC 05 14:13:28.3-3.0, 2.25N-95.91E, mb3.7/5, mb1 3.8/6, mb1mx3.6/18, mbtmp3.6/6, ML3.5/1, Error ellipse: s-maj=115.7km s-min=22.4km az=61.0

NEIC 05 14:13:33.0-0.7, 2.30N-96.14E, h30km, mb4.2/6, Error ellipse: s-maj=10.9km s-min=10.0km az=48.0

ISC 05 14:13:32.3-1.0, 2.4N-0.1, 96.2E-0.1, h33km, n15, 00560/14, mb4.0/11, Northern Sumatara

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

IDC 05 14:19:58.2-2.2, 5.5N-95.52E, h30km, mb4.2/8, mb1 4.2/8, mb1mx3.9/21, mbtmp4.0/8, ML3.9/1, MS3.0/1, Ms1 3/2.1, ms1mx2.8/18, Error ellipse: s-maj=92.0km s-min=16.9km az=58.0

NEIC 05 14:20:03.1-0.5, 2.58N-95.64E, h30km, mb4.2/8, Error ellipse: s-maj=14.1km s-min=6.8km az=55.0

ISC 05 14:20:01.1-0.8, 2.6N-0.1, 95.6E-0.1, h33km, n19, 00568/19, mb4.2/15, Off west coast of northern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KULM Kulim, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

PGC 05 14:32:21.3, 49.32N-128.94W, h10km, ML3.1/1, Mw3.7, West of Vancouver Island, British Columbia, Vancouver Island region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like EDB Eliza Dome, HOLB Holberg, HOLB Holberg, etc.

















Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, Res ISC. Includes stations like NJ2 Nanjing, ANJO Albuquerque, FRB Froisher Bay, etc.

IDC 05 20:02:56.0,13.0,19.31N,145.54E, h216km, 132km, mb3.4/12, mb1 3.7/12, mb1mx3.6/21, mbtmp3.9/12, MS2.1, Ms1 2.6/12, ms1mx1.2/25, Error ellipse: s-maj=29.1km s-min=15.0km az=73.0, Mariana Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, Res ISC. Includes stations like JOW Kunigami, WB2 Warramunga Arr, WRA Warramunga Arr, etc.

IDC 05 20:15:23.0,0.9,0.93N,96.64E, mb4.0/9, mb1 4.2/10, mb1mx3.9/19, mbtmp4.0/10, ML3.8/1, MS3.5/2, Ms1 3.6/2, ms1mx3.1/21, Error ellipse: s-maj=34.9km s-min=15.9km az=55.0

BUJ 05 20:15:27.7, 1.20N,97.10E, h30km, mb4.3, Ms4.2, Ms3.9, NEIC 05 20:15:29.0, 6.1, 1.8N,97.12E, h30km, mb4.3/9, Error ellipse: s-maj=15.5km s-min=7.6km az=59.0

IDC 05 20:15:28.4, 4.1, 1.1N,0.1,97.1E, h2.0, h37km, 34km, n30, 0.6912/8, mb4.2/18, MS4.0/2, Northern Sumatera

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, Res ISC. Includes stations like KULM Kulim, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, Res ISC. Includes stations like SONM Songino Array, MKAR Makanchi Array, ZAL Zalesovo, etc.

IDC 05 20:16:33.4, 15.0, 24.68S, 175.89E, h688km, 108km, mb3.2/6, mb1 3.2/6, mb1mx3.0/17, mbtmp4.4/6, Error ellipse: s-maj=214.3km s-min=44.1km az=102.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, Res ISC. Includes stations like HNR Honiara, CTA Charters Tower, STKA Stephens Creek, etc.

MOS 05 20:28:10.6, 1.0, 53.34N, 153.48E, h501km, mb3.7/1, Error ellipse: s-maj=57.2km s-min=20.5km az=64.5

NEIC 05 20:28:11.6, 0.8, 53.24N, 153.54E, h499km, 10km, mb3.6/1, Error ellipse: s-maj=18.9km s-min=8.9km az=135.0

IDC 05 20:28:12.4, 3.8, 53.27N, 153.54E, h508km, 48km, mb2.8/9, mb1 3.1/10, mb1mx2.8/24, mbtmp3.7/10, Error ellipse: s-maj=20.5km s-min=11.0km az=141.0

ISC 05 20:28:10.8, 1.0, 53.30N, 153.6E, 0.2, h502km, 14km, n18, 0.07/19, mb3.2/9, Sea of Okhotsk

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, Res ISC. Includes stations like PET Petropavlovsk, MAJO Matsushiro, MAJO Matsushiro, etc.

IDC 05 20:35:34.2, 1.2, 7.0N,95.37E, h23km, 4km, mb3.8/5, mb1 4.0/6, mb1mx3.6/19, mbtmp3.9/6, ML4.2/1, Error ellipse: s-maj=85.0km s-min=15.9km az=60.0

NEIC 05 20:35:34.5, 0.7, 2.66N,95.42E, mb4.1/6, Error ellipse: s-maj=15.6km s-min=9.3km az=47.0

ISC 05 20:35:32.8, 1.0, 2.7N,0.1,95.4E, 0.1, h24km, h24km, 5km, pP, n18, 0.07/18, mb4.1/10, 1C, Off west coast of northern Sumatera

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, Res ISC. Includes stations like KULM Kulim, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

IDC 05 20:43:19.5, 4.1, 29.86S, 179.72W, mb4.0/3, mb1 4.2/4, mb1mx4.0/15, mbtmp4.1/4, ML4.2/1, Error ellipse: s-maj=77.1km s-min=48.6km az=78.0, Kermadec islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, Res ISC. Includes stations like URZ Urewera, URZ Urewera, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, Res ISC. Includes stations like STKA Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr, etc.

MDD 05 20:47:46.8, 31.0, 36.17N, 10.54W, h42km, 999km, mb3.5/6, Error ellipse: s-maj=102.0km s-min=32.2km az=50.0, PRXIMO, Azores-Cape St Vincent Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, Res ISC. Includes stations like EGRO El Granado, EMIN Mina Concepcio, EMIN Mina Concepcio, etc.

ATH 05 20:49:34.3, 4.0, 58N-23.80E, h24km, 2km, MD3.4/6, NEIC 05 20:49:34.3, 4.0, 58N-23.80E, h24km, MD3.4(A/H), After ATH

THE 05 20:49:35.5, 0.1, 40.59N-23.75E, h10km, ML3.6, CSEM 05 20:49:35.5, 0.1, 40.59N-23.75E, h12km, ML3.6, Error ellipse: s-maj=1.7km s-min=1.3km az=98.0

SOF 05 20:49:36.0, 40.60N, 23.86E, h26km, MD2.9, ISC 05 20:49:36.0, 5.0, 45.90N, 0.2, 23.77E, 0.03, h10km, 4km, n26, 0.083/39, 1C-2D, Greece

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, Res ISC. Includes stations like OUG Ouranopoli, PLG Polygros, SOH Sokhos, etc.

IDC 05 21:02:21.6, 2.1, 1.11N,97.23E, mb4.0/7, mb1 4.1/8, mb1mx3.8/19, mbtmp4.0/8, ML4.0/1, MS3.6/1, Ms1 3.8/1, ms1mx3.0/17, Error ellipse: s-maj=91.4km s-min=17.5km az=60.0

BUJ 05 21:02:24.3, 1.10N,97.30E, h30km, mb5.0, mb4.5, Ms3.9, Ms3.8, NEIC 05 21:02:26.4, 0.9, 1.14N,97.28E, h30km, mb4.4/7, Error ellipse: s-maj=24.4km s-min=11.8km az=68.0

ISC 05 21:02:24.5, 0.8, 1.14N,0.10,97.3E, 0.1, h30km, n28, 0.093/27, mb4.3/18, MS3.8/1, Northern Sumatera

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, Res ISC. Includes stations like KULM Kulim, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.



219		Zakamensk		49.39	5 eP	P	22 28 55.7	-0.8
ZAK	ZAK						22 30 17.0	
ZAK	comp-Z,3.0nm,0.9s,mb4.3							
ZAK	comp-Z,2.0nm,1.5s,mb3.9							
MOY	Mondy	50.51	3 eP	P		22 29 05.5	+0.4	
TLY	Talaya	51.70	5 eP	P		22 29 07.2	+0.6	
TLY	comp-Z,8.0nm,0.9s,mb4.7							
TLY					MLR			
MJAR	comp-Z,300nm,22.0s,MS4.3							
MJAR	Matsushiro Arr	51.64	42 P	P		22 29 13.8	-0.1	
MJAR	comp-Z,2.9nm,0.8s,mb4.3,baz=223,slow=6.1				LR	22 54 52.4		
HIA	Hailar	51.70	18 eP	P		22 29 14.0	-0.1	
HIA	Hailar	51.70	18 eP	P		22 29 13.5	-0.6	
MDJ	comp-Z,1.9nm,0.7s,mb5.5							
MDJ	Mudanjiang	51.88	29 P	P		22 29 15.5	-0.1	
MDJ					AP	22 29 24.4	-0.8	
MDJ					XP	22 29 28.6	-0.3	
MDJ					PCP	22 30 23.0	-0.1	
MDJ					PP	22 31 13.0	-1.1	
MDJ					SCP	22 31 17.0		
MDJ					P	22 34 22.9		
MDJ					S	22 36 32.0	-2.5	
MDJ					SCS	22 38 58.9	-1.0	
MDJ					AMB			
MDJ	comp-Z,15nm,0.9s,mb4.9							
MDJ	comp-Z,65nm,4.6s							
MDJ	comp-N,141nm,20.6s,MS4.0				LR			
MDJ	comp-E,44nm,23.0s,MS4.0				LR			
MDJ	comp-Z,126nm,15.6s				LR			
MDJ	Mudanjiang	51.88	29 P	P		22 29 17.0	+1.5	
STKA	comp-Z,2.2nm,0.8s,mb4.7							
STKA	Stevens Creek	53.10	132 iP	P		22 29 25.3	+0.4	
STKA	comp-Z,4.1nm,0.7s,mb4.5							
STKA	Stevens Creek	53.10	132 P	P		22 29 25.4	+0.5	
ZAL	comp-Z,5.6nm,0.8s,mb4.5,baz=316,slow=7.9,SNR=13							
ZAL	Zalesovo	53.72	351 iP	P		22 29 28.3	-0.8	
ZAL								
ZAL	comp-Z,24nm,0.5s							
ZAL	Zalesovo	53.72	351 P	P		22 29 28.2	-0.8	
NVS	comp-Z,2.2nm,0.5s,mb4.5,baz=310,slow=5.3,SNR=102							
NVS	Novosibirsk	54.85	350 iP	P		22 29 35.8	-1.6	
NVS								
NVS	comp-Z,17nm,0.9s,mb5.1							
NVS								
NVS	comp-N,15nm,0.9s							
NVS								
NVS	comp-E,6.0nm,0.5s							
KLR	Kul'dur	56.27	26 eP	P		22 29 44.8	-3.0	
BVAR	Boroyove Array	56.45	341 P	P		22 29 47.7	-1.3	
BOD	comp-E,8.8nm,0.5s,mb5.0,baz=141,slow=9.2,SNR=62							
BOD	Bodaibo	58.10	10 iP	P		22 29 59.6	-0.9	
BOD								
KMBO	comp-Z,20nm,0.9s,mb5.2							
KMBO	Kilima Mbogo	60.21	268 eP	P		22 30 16.6	+0.9	
KMBO								
KMBO	comp-Z,4.0nm,1.1s							
KMBO	Kilima Mbogo	60.21	268 eP	P		22 30 16.6	+0.8	
YSS	comp-Z,3.5nm,1.1s,mb4.3							
YSS	Yuzh-Sakhalins	60.33	34 iP	P		22 30 16.7	+0.6	
GNI	comp-Z,25nm,1.2s,mb5.1							
SVE	Garni	61.54	316 iP	P		22 30 21.6	-2.9	
SVE	Sverdlovsk	62.89	338 iP	P		22 30 32.4	-0.8	
SVE								
ARU	comp-Z,13nm,0.7s,mb5.2							
ARU	Arti	63.39	337 iP	P		22 30 35.0	-1.5	
ARU								
ARU	comp-Z,7.0nm,1.1s,mb4.7							
ARU	Arti	63.39	337 eP	P		22 30 34.9	-1.6	
KIV	comp-Z,4.1nm,0.5s,mb4.8							
KIV	Kislodovsk	64.55	319 eP	P		22 30 43.8	-0.5	
KIV								
KIV	comp-Z,10nm,1.5s,mb4.6							
KIV	Kislodovsk	64.55	319 eP	P		22 30 43.2	-1.1	
GOF	comp-Z,7.1nm,0.9s,mb4.7							
GOF	Gofitskoye	64.81	320 eP	P		22 30 54.1	+8.2	
MALT	comp-Z,2.2nm,0.8s,mb4.2							
MALT	Malatya	65.38	312 eP	P		22 30 49.5	-0.3	
MALT								
MALT	comp-Z,2.0nm,0.8s,mb4.2							
MALT	Malatya	65.38	312 eP	P		22 30 49.5	-0.2	
YAK	comp-Z,2.1nm,0.8s,mb4.2							
YAK	Yakutsk	65.49	16 iP	P		22 30 49.2	-0.8	
YAK								
YAK	comp-Z,20nm,0.5s,mb5.4							
ANN	comp-Z,200nm,22.0s,MS4.3							
ANN	Anapa	68.35	318 eP	P		22 31 04.4	-4.0	
ANN								
ANN	comp-Z,31nm,1.1s,mb5.2							
ANN	Keskin Array B	69.37	312 P	P		22 31 13.5	-1.3	
ANN	comp-Z,1.1nm,0.7s,mb4.9,baz=127,slow=6.2,SNR=6.4							
ANN	Matopo	70.68	248 LR	LR		23 00 30.9		
MAW	comp-Z,61nm,18.1s,MS3.9,baz=230,slow=34							
MAW	Mawson	72.63	193 P	P		22 31 33.9	-0.1	
MBN	comp-Z,2.4nm,0.7s,mb4.2,baz=306,slow=2.7,SNR=3.6							
MBN	Obninsk	72.85	328 iP	P		22 31 33.6	-1.9	
MBN								
MBN	comp-Z,3.7nm,0.8s,mb4.4,baz=98,slow=5.1,SNR=16							
MBN	Obninsk	72.85	328 eP	P		22 31 36.6	-1.1	
TIXI	comp-Z,38nm,2.6s,mb4.9							
TIXI	Tiksi	73.28	10 iP	P		22 31 36.6	-1.1	
TIXI								
TIXI	comp-Z,6.0nm,0.5s,mb4.8							
TIXI	Tigrosur	74.37	316 iP	P		22 31 44.0	-0.5	
HARR	comp-Z,1.4nm,0.7s,mb4.9,baz=127,slow=6.2,SNR=6.4							
HARR	Harsova	74.76	316 iP	P		22 31 55.7	+8.9	
AKASG	comp-Z,61nm,18.1s,MS3.9,baz=230,slow=34							
AKASG	Malin Array Be	75.50	322 P	P		22 31 45.9	-1.4	
MLR	comp-Z,1.8nm,0.7s,mb4.4,baz=87,slow=5.0,SNR=10							
MLR	Muntele Rosu	76.32	317 iP	P		22 31 59.5	+0.3	
BURAR	comp-Z,2.7nm,0.8s,mb4.4,baz=90,slow=5.3,SNR=23							
BURAR	Bucovina Array	77.27	319 iP	P		22 32 02.0	+1.1	
BURAR	Bucovina Array	77.27	319 iP	P		22 32 02.0	+1.1	
FINES	comp-Z,3.7nm,0.8s,mb4.4,baz=98,slow=5.1,SNR=16							
FINES	FINES Array B	80.22	332 eP	P		22 32 16.6	-0.1	
BILL	comp-Z,31nm,1.1s,mb5.2							
BILL	Biilbino	81.21	211 eP	P		22 32 20.9	-0.8	
BILL								
BILL	comp-Z,6.0nm,0.5s,mb4.8							
BILL	Biilbino	81.21	211 eP	P		22 32 27.9		
BILL								
BILL	comp-Z,2.5nm,0.9s,mb4.7							
BILL	Biilbino	81.21	211 eP	P		22 32 27.1	+5.7	
BILL								
BILL	comp-Z,2.5nm,0.9s,mb4.7							
BILL	Biilbino	81.21	211 eP	P		22 32 34.0	+5.7	
BILL								
BILL	comp-Z,2.5nm,0.9s,mb4.7							
BILL	Biilbino	81.21	211 eP	P		22 32 53.6	+6.5	
URZ	comp-Z,7.0nm,1.5s,mb4.4							
URZ	Urewera	82.56	129 LR	LR		23 09 31.7		
MORC	comp-Z,127nm,21.9s,MS4.2,baz=217,slow=36							
MORC	Moravsky Berou	82.65	320 eP	P		22 32 29.1	-0.5	
MORC								
MORC	comp-Z,4.0nm,0.8s,mb4.5							
MORC	Moravsky Berou	82.65	320 eP	P		22 32 29.1	-0.5	
DPC	comp-Z,4.4nm,0.8s,mb4.5							
DPC	Dobruza-Polom	83.50	320 eP	P		22 32 35.0	+1.1	
PRU	comp-Z,2.2nm,0.8s,mb4.4,baz=90,slow=5.3,SNR=23							
PRU	Pruhonice	84.60	320 eP	P		22 32 40.3	+0.8	
GERES	comp-Z,2.7nm,0.8s,mb4.4,baz=90,slow=5.3,SNR=23							
GERES	GERES Array B	85.06	319 P	P		22 32 42.6	+0.8	
KHC	comp-Z,102nm,18.6s,MS4.2,baz=317,slow=34							
KHC	Kasperske Hory	85.16	319 eP	P		22 32 42.9	+0.6	
VNDA	comp-Z,1.2nm,0.8s,mb4.4,baz=90,slow=5.3,SNR=23							
VNDA	Vanda	87.23	331 LR	LR		23 07 52.4		
GRA1	comp-Z,5.0nm,0.9s,mb4.7							
GRA1	Grabenberg Arr	86.73	320 eP	P		22 32 51.0	+0.9	
GRF	comp-Z,5.0nm,0.9s,mb4.7							
GRF	Grabenberg Arr	86.73	320 eP	P		22 32 51.0	+0.9	
GRF								
GRF	comp-Z,5.0nm,0.9s,mb4.7							
GRF	Grabenberg Arr	86.73	320 eP	P		22 32 51.0	+0.9	
GRF								
GRF	comp-Z,5.0nm,0.9s,mb4.7							
GRF	Grabenberg Arr	86.73	320 eP	P		22 32 51.0	+0.9	
GRF								
NOB2	comp-Z,4.2nm,0.9s,mb4.7,baz=94,slow=4.6							
NOB2	NORSAR Subarra	87.23	331 P	P		22 32 52.6	+0.4	
NOA	comp-Z,2.7nm,0.8s,mb4.5,baz=94,slow=4.9,SNR=8.0							
NOA	NORSAR Array B	87.23	331 LR	LR		23 19 02.5		
NOA								
LPG	comp-Z,42nm,18.6s,MS3.9,baz=75,slow=41							
LPG	La Plagne	89.72	315 eP	P		22 33 04.4	-0.1	
LPG								
LPG	comp-Z,2.2nm,0.8s,mb4.7							

2005 APR		La Plagne		89.72	315 eP	P	22 33 04.4	-0.1
LPG	LPG							
LPG	comp-Z,3.0nm,0.8s,mb4.7							
LPG	Lajitas Arr	143.66	32 PKP	PKPdf		22 39 42.9	-2.6	
LPG	comp-Z,0.5nm,0.6s,baz=225,slow=1.6,SNR=4.3							
LPG	GOGA Godfrey	145.70	1 ePKP	PKPdf		22 3		



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SHL Shilong, CMAR Chiang Mai Arr, MKAR Makanchi Array, SONM Sogingo Array, ASAR Alice Springs.

NIED 05 23:00:00, 33.70N, 130.30E, h8km, Mw3.7. Best double couple: Mb3.36x10^14 NP1.9s, 138s, 870, 1.56e. NP2.0s, 21s, 330, 1.147e.

JMA 05 22:59:54.2, 33.71N, 130.26E, h14km, M4.1, 1C-2D Broadband flat plane solution: P waves. NP1.9s, 298s, 864, 1.23e; NP2.0s, 198s, 869, 1.152e. Principal axes: T: Plg34, Azm157; N: Plg56, Azm343; S: Plg3, Azm249.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JFI Itaya, JFA Akaike, JII Iki, JTA Tamana, JTS Tsushima.

IDC 05 23:05:42.5, 4.0, 37.08N, 96.61E, mb3.7/4, mb1 3.8/7, mb1mx3.6/22, mbtmp3.6/7, ML3.2/3, MS2.8/1, Ms1 2.8/1, ms1mx2.2/27. Error ellipse: s-maj=86.4km s-min=-35.8km az=8.0.

BUI 05 23:05:50.7, 37.53N, 96.42E, h17km, ML3.7, Ms3.6, Ms23.6.

ISC 05 23:05:43.6, 1.1, 37.22N, 0.1x96.58E, 0.07, h10km, n10, c1059/14, mb3.7/4, Qinghai

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GTA Gaotai, LZH Lanzhou, WMQ Urumqi, SONM Sogingo Array, MKAR Makanchi Array, ZAL Zalesovo, BVAR Borovoye Array, FINAR Finess Array, ILAR Eielson Array, YKA Yellowknife Arr.

IDC 05 23:10:10.2, 4.0, 84N, 97.19E, mb3.9/5, mb1 4.0/6, mb1mx3.8/18, mbtmp3.9/6, ML4.1/1, Error ellipse: s-maj=96.1km s-min=-25.9km az=60.0, Northern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, ASAR Alice Springs, SONM Sogingo Array, MKAR Makanchi Array, ZAL Zalesovo, BVAR Borovoye Array.

IDC 05 23:19:33.8, 75.0, 22.81S, 179.89W, h627km, 408km, mb3.3/4, mb1 3.4/4, mb1mx3.1/16, mbtmp4.4/4, 1C, Error ellipse: s-maj=91.4km s-min=-96.4km az=78.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CTA Charters Tower, STKA Stephens Creek, STKA Stephens Creek, ASAR Alice Springs, ASPA Alice Springs, WB2 Warramunga Arr, WRA Warramunga Arr, FORT Forrest.

GUC 05 23:29:30.7, 0.8, 24.75S, 69.48W, h116km, 18km, ML3.5, 1C-2D, Northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CPN1 Cerro Paranal, ANCH Antofagasta, SPCH San Pedro de A, LVC Limon Verde.

IDC 05 23:31:19.3, 0.7, 48.38S, 107.10E, mb4.3/7, mb1 4.6/7, mb1mx4.3/15, mbtmp4.3/7, MS4.3/19, Ms1 4.1/9, ms1mx4.3/20, Error ellipse: s-maj=31.7km s-min=-19.4km az=118.0.

NEIC 05 23:31:20.7, 0.4, 48.40S, 107.07E, h10km, mb4.6/5, Error ellipse: s-maj=20.2km s-min=-10.7km az=131.0.

ISC 05 23:31:18.5, 0.6, 48.4S, 0.1x107.2E, 0.2, h10km, n41, c0561/14, mb4.5/10, MS4.4/18, 2D, Southeast Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JFI Itaya, JFA Akaike, JII Iki, JTA Tamana, JTS Tsushima.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NWAO Narrogin (SRO), MAW Mawson, STKA Stephens Creek, ASPA Alice Springs, ASAR Alice Springs, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, VYDA Vanda, WRA Warramunga Arr, WB2 Warramunga Arr, WRAB Tennant Creek, RPZ Rata Peaks, SNAA Snaa, SNAA Snaa, DZM Mont Dzumac, CMAR Chiang Mai Arr, MATP Matopo, LSZ Lusaka, AFI Afiamalu, TSMU Tsamue, KMBO Kilima Mbogo, RAR Rarotonga, JOW Kunigami, TBI Tubutu, PPT Papeete, PPT Papeete, MJAR Matsushiro Arr, PLCA Paso Flores, SONM Sogingo Array, MKAR Makanchi Array, GERES GERES Array B, DAG Danmarks Havn, DAG Danmarks Havn, NVAR Nina Array Bea, WVOR Wild Horse Val, TXAR Lajitas Array, MSU Marysval, MNTX Cornudas Mount, NLU North Lily Mtn, YKA Yellowknife Arr, PDAR Pinadale Array.

IDC 05 23:32:57.6, 0.8, 0.11S, 97.00E, mb4.0/9, mb1 4.1/10, mb1mx4.0/19, mbtmp4.0/10, ML=4.3/1, Error ellipse: s-maj=91.6km s-min=-17.6km az=58.0.

NEIC 05 23:33:02.1, 0.5, 0.00N, 97.12E, h30km, mb4.0/2, Error ellipse: s-maj=12.8km s-min=-9.5km az=64.0.

ISC 05 23:33:00.8, 0.7, 0.04N, 0.09N, 97.2E, 0.1, h33km, n17, c0566/16, mb4.0/10, Northern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, KKM Kota Kinabalu, WRA Warramunga Arr, ASAR Alice Springs, AAK Ala-Archa, SONM Sogingo Array, MKAR Makanchi Array, STKA Stephens Creek, STKA Stephens Creek, ZAL Zalesovo, BVAR Borovoye Array, BRTR Karamay Arr B, MATP Matopo, TXAR Lajitas Array.

KRSC 05 23:34:00.0, 0.9, 53.81N, 161.41E, h17km, 3km, ML3.8, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MKZ Mys Kozlova, SPN Mys Shipunski, KII Karymtychi, NLC Nalytchevo, TUMR Tumrok, SMAR Somma, UGLR Ugljovaya, AVH Avacha, KOK Koryaka, KOK Koryaka, PET Petropavlovsk, PET Petropavlovsk, GNL Ganaly, GNL Ganaly, KMRN Kamenistaya, KMRN Kamenistaya, KRMR Karymshinskiy, KRMR Karymshinskiy, RUS Russkaya, RUS Russkaya, ROZ Goretyy, ROZ Goretyy, KOZ Kozzyrevsk, KOZ Kozzyrevsk.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KBTR Krutoberegovo, KLY Klyuchi, ESO Esso, SDRD Sredinnyy, APC Apache, APC Apache, BKI Bering.

BUI 05 23:34:10.0, 0.36N, 96.36E, h33km, mb4.9, mb4.8, MS4.1, Ms23.7.

MOS 05 23:34:10.3, 0.8, 0.41N, 96.31E, h33km, mb4.7/14, Error ellipse: s-maj=15.1km s-min=-8.6km az=97.9.

IDC 05 23:34:11.8, 0.7, 0.48N, 96.36E, h26km, 4km, mb4.3/19, mb1 4.4/20, mb1mx4.4/23, mbtmp4.5/20, ML4.6/1, Error ellipse: s-maj=18.0km s-min=-12.6km az=46.0.

NEIC 05 23:34:11.6, 0.3, 0.46N, 96.35E, mb4.7/23, Error ellipse: s-maj=7.6km s-min=-5.7km az=51.0.

ISC 05 23:34:09.7, 0.3, 0.49N, 96.05E, 0.6, h25km, h25km, 2.7km, pp-P, n92, c0999/87, mb4.6/46, MS4.5/1, 3C-1D, Off west coast of northern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, SNG Sngkhla, KSM Kuching, BDT Bhumibol Dam, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, NANT Nan, KKM Kota Kinabalu, QIZ Qiongzong, KMI Kunming, KMI Kunming, KMI Kunming, SHL Shilong, GYA Guiyang, JIRN Jirni, PDK Pulchoki, PDK Duman, KKN Kakani, KKN Kakani, LSA Lhasa, LSA Lhasa, LSA Lhasa, GKN Gorkha, ENH Ensheng, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, XAN Xi'an, XAN Xi'an, LZH Lanzhou, LZH Lanzhou, LZH Lanzhou, LZH Lanzhou, JOW Kunigami, WRA Warramunga Arr, WRAB Tennant Creek, WRAB Tennant Creek, WFB Fort, BJT Baijiatou, BJT Baijiatou, BJT Baijiatou, BJI Beijing, BJI Beijing, ASPA Alice Springs, ASPA Alice Springs, WMQ Urumqi, AAK Ala-Archa, MKAR Makanchi Array, MKAR Makanchi Array, SONM Sogingo Array, ULN Ulanbaatar, ULN Ulanbaatar, ZAK Zakamensk, ZAK Zakamensk, TLY Talaya, TLY Talaya, HIA Hailar, HIA Hailar, HIA Hailar, MJAR Matsushiro Arr, STKA Stephens Creek.



Table with columns: STKA, ZAL, ZAL, ZAL, CPNI, NVS, NVS, BVAR, KLR, BOD, BOD, KMB0, KMB0, KMB0, KMB0, ZEI, HNR, KIV, KIV, KIV, MALT, MALT, MALT, MALT, YAK, YAK, YAK, YAK, BRTR, LSZ, LSZ, LSZ, MATP, LBTP, AKASG, AKASG, AKASG, FINES, GERES, CLL, CLL, NB2, NOA, NOA, LPGA, TXAR, JSC, JSC, NATX, GOGA, LRAL

MOS 05 23:34:23.8 ± 1.8, 42.82N, 48.00E, h12km, mb3.7/1, Error ellipse: s-maj=34.2km s-min=23.8km az=154.4, Eastern Caucasus

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

NIED 05 23:36:00.37, 40N, 141.70E, h44km, Mw3.6 Best double cued: M2.48x1014 NP1.9x84°, 664°, 1.88°. NP2.9x270°, 826°, 1.95°.

JMA 05 23:36:15.1 ± 0.2, 37.36N, 141.72E, h44km, 9km, M3.7, JMA Felt 1 J1.

ISC 05 23:36:15.0 ± 0.1, 37.34N, 0.05:141.73E, 0.10, h44km, n11, 0594/19, 3C, 4D, Near east coast of eastern Honshu

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

ISC 05 23:41:25.9 ± 0.9, 22.31S, 68.24W, h96km, 14km, mb3.9/2, mb1.3/8, mb1mx3.5/15, mbtmp4.2/4, Error ellipse: s-maj=46.9km s-min=20.7km az=135.0

NEIC 05 23:41:26.5 ± 0.2, 29S, 68.78W, h117km, mb4.2/2, After GUC.

GUC 05 23:41:27.1 ± 0.9, 22.30S, 68.79W, h113km, 7km, ML4.0

ISC 05 23:41:23.6 ± 0.1, 22.05S, 0.1-68.8W, 0.1, h125km, 8km, n13, 0599/19, mb4.2/1, ID, Northern Chile

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

Table with columns: ANCH, ANCH, ANCH, ANCH, CPNI, CPNI, CPNI, LPAZ, LPAZ, SIV, SIV, TRQA, TRQA, BDFB, BDFB, DBIC, DBIC, DBIC, MKAR, MKAR

MDD 05 23:44:03.1 ± 0.5, 36.58N, 6.78E, h2km, 11km, mb3.9/5, Error ellipse: s-maj=6.9km s-min=4.0km az=128.0, PRXIMO

CRAAG 05 23:44:04.2, 36.45N, 6.64E, M3.1, After ALG

CSEM 05 23:44:04.2, 36.45N, 6.64E, M3.1, After ALG

ISC 05 23:44:01.5 ± 0.6, 36.64N, 0.05:6.72E, 0.05, h10km, n15, 0598/17, Northern Algeria

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

ISC 05 23:59:00.6 ± 0.3, 1.58N, 97.12E, mb3.8/5, mb1.4/0/5, mb1mx3.6/18, mbtmp3.8/5, Error ellipse: s-maj=136.6km s-min=26.5km az=55.0, Northern Sumatra

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

ISC 05 23:59:56.0 ± 0.8, 6.34, 89N, 70.17E, mb3.9/3, mb1.3/9/5, mb1mx3.5/21, mbtmp3.8/5, ML3.8/2, Error ellipse: s-maj=148.1km s-min=39.6km az=158.0

NEIC 06 00:00:07.5 ± 0.9, 36.06N, 69.64E, h10km, mb4.2/5, Error ellipse: s-maj=19.7km s-min=7.2km az=53.0

ISC 06 00:00:18.6 ± 0.8, 36.18N, 0.04:70.1E, 0.1, h148km, 10km, n11, 0597/36, mb3.5/2, 2C-4D, Hindu Kush region

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

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

ISC 06 00:26:20.9 ± 5.5, 24.23S, 179.54E, h541km, 58km, mb3.3/7, mb1.3/6/8, mb1mx3.4/16, mbtmp4.2/8, Error ellipse: s-maj=80.0km s-min=26.3km az=153.0

NEIC 06 00:26:21.2 ± 3.7, 24.35S, 179.57E, h550km, 35km, mb4.3/3, Error ellipse: s-maj=68.0km s-min=19.2km az=150.0

ISC 06 00:26:23.4 ± 8.2, 15.5 ± 0.5, 179.4E, 0.4, h563km, 51km, n15, 0571/14, mb4.0/3, South of Fiji Islands

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

Table with columns: DZM, CTA, CTA, STKA, STKA, STKA, ASPA, ASPA, WRAB, WRAB, WRA, FITZ, FITZ, NVAR, NVAR, TXAR, TXAR, ILAR, ILAR, BVAR

ISC 06 00:28:03.6 ± 0.6, 56.08S, 147.27E, mb4.8/10, mb1.4/9/11, mb1mx4.7/15, mbtmp4.8/11, ML3.8/11, MS4.8/15, Ms1.4/8/15, ms1mx4.7/18, Error ellipse: s-maj=21.6km s-min=18.5km az=78.0

HRVD 06 00:28:05.4 ± 0.2, 56.19S, 146.98E, h12km, MW5.4/74, Centroid moment Tensor Solution: LP body waves: s56.c87, Mantle waves: s74.c143; Half duration: 1s2

Moment tensor: Scale 1017Nm; Mw=0.13; 03; Mw=0.64; 03; Mw=0.50; 03; Mw=0.05; 07; Mw=1.26; 02; Ms=0.03; 07; Best double couple: M1.38x1017 NP1: 0.168°, 888°, 1.1°; NP2: 0.258°, 889°, 1.178°. Principal axes: T1: 1.449, Plg1: Azm33°; N: -128, Plg87°; Azm285°; P: -1.322, Plg3°, Azm123°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

BUJ 06 00:28:05.3, 56.10S, 147.10E, h10km, mb5.6, mb5.6, Ms5.6, Msz5.3

NEIC 06 00:28:05.4 ± 0.3, 56.09S, 147.11E, h10km, mb4.9/8, Ms5.0/7, Error ellipse: s-maj=13.4km s-min=8.8km az=76.0

MOS 06 00:28:12.2 ± 2.0, 57.29S, 144.68E, h10km, mb5.3/4, MS4.9/7, Error ellipse: s-maj=76.6km s-min=20.1km az=93.7

ISC 06 00:28:03.0 ± 0.4, 56.15S, 0.06:147.2E, 0.2, h10km, (h16km, 3km, pP-P), n161, 0525/48, mb4.9/17, MS4.9/27, 17C-6D, West of Macquarie Island

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

ISC 06 00:28:03.0 ± 0.4, 56.15S, 0.06:147.2E, 0.2, h10km, (h16km, 3km, pP-P), n161, 0525/48, mb4.9/17, MS4.9/27, 17C-6D, West of Macquarie Island

ISC 06 00:28:03.0 ± 0.4, 56.15S, 0.06:147.2E, 0.2, h10km, (h16km, 3km, pP-P), n161, 0525/48, mb4.9/17, MS4.9/27, 17C-6D, West of Macquarie Island

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

ISC 06 00:28:03.0 ± 0.4, 56.15S, 0.06:147.2E, 0.2, h10km, (h16km, 3km, pP-P), n161, 0525/48, mb4.9/17, MS4.9/27, 17C-6D, West of Macquarie Island

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

ISC 06 00:28:03.0 ± 0.4, 56.15S, 0.06:147.2E, 0.2, h10km, (h16km, 3km, pP-P), n161, 0525/48, mb4.9/17, MS4.9/27, 17C-6D, West of Macquarie Island

ISC 06 00:28:03.0 ± 0.4, 56.15S, 0.06:147.2E, 0.2, h10km, (h16km, 3km, pP-P), n161, 0525/48, mb4.9/17, MS4.9/27, 17C-6D, West of Macquarie Island

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





Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DAVOX Davos, FINL Finale Ligure, LPGA La Plagne, etc.

IDC 06 01:03:02.1-0.9, 39S:96.66E, mb4.1/13, mb1 4.2/14, mb1mx4.1/20, mbmp4.1/14, ML3.7/1, MS4.3/2, Ms1 4.3/2, ms1mx3.6/26, Error ellipse: s-maj=43.0km s-min=14.5km az=40.0

NEIC 06 01:03:07.2-0.5, 0.22S-96.91E, h30km, mb4.4/6, Error ellipse: s-maj=15.6km s-min=8.4km az=53.0

ISC 06 01:03:05.3-0.6, 20S:0.10, 96.9E, 0.1, h30km, n25, c=085/24, mb4.2/19, MS4.3/2, Southwest of Sumatara

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KULM Kulim, CMAR Chiang Mai Arr, JIRN Jiri, etc.

IDC 06 01:07:11.5-10.0, 0.84S-96.29E, mb3.9/3, mb1 3.9/4, mb1mx3.7/17, mbmp3.9/4, ML4.1/1, Error ellipse: s-maj=212.0km s-min=116.0km az=143.0, Southwest of Sumatara

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, MKAR Makanchi Arr, SONMG Songoing Array, etc.

BUI 06 01:09:31.7-3.3, 80S:5.1, 133E, h30km, mb4.8, IDC 06 01:09:32.8-0.7, 3.33S-140.75E, mb4.5/10, mb1 4.7/11, mb1mx4.6/16, mbmp4.6/11, ML5.2/1, MS4.2/4, Ms1 4.2/4, ms1mx3.8/20, Error ellipse: s-maj=28.4km s-min=13.6km az=90.0

HRVD 06 01:09:37.7-0.5, 3.37S-140.55E, h34km, 2km, MW5.0/36, Centroid moment Tensor Solution. LP body waves: s8,c8; Mantle waves: s36,c56; Half duration: 0. Moment tensor: Scale 10^16Nm; Mr-0.89; 51; Mw-1.22; 29; Mw2.11; 32; Mw0.81; 32; Mw2.78; 16; Mw-1.19; 34; Best double couple: Ms3.619x10^16 Np1.252; 865; lambda-14. NP2: 0.348; 877; lambda-154. Principal axes: T.3.777, P-3.462, Pigt2. Azm118; N-.317, Pigt16; Azm13; P-3.462, Pigt2. Azm212; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 06 01:09:37.7-3.3, 3.33S-140.75E, h31km, 22km, mb4.9/12 Error ellipse: s-maj=10.9km s-min=6.9km az=60.0

ISC 06 01:09:36.4-0.4, 2.43S-0.05, 140.6DE, 0.09, h33km, n79, c=094/45, mb4.7/20, MS4.2/4, 1C-3D, Irian Jaya

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CTA Charters Tower, WRAB Tennant Creek, WB2 Warramunga Arr, etc.

Main table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like FITZ Fitzroy Crossi, ASAR Alice Springs, ASAR ASAR, etc.

IDC 06 01:10:31.9-0.9, 2.04N-96.40E, mb4.3/13, mb1 4.4/14, mb1mx4.2/22, mbmp4.3/14, ML4.4/1, Error ellipse: s-maj=33.2km s-min=19.0km az=47.0

BUI 06 01:10:34.5-2.0, 00N:96.50E, h30km, mb5.2, mb4.7 NEIC 06 01:10:36.0-0.5, 2.05N-96.49E, h30km, mb4.4/8, Error ellipse: s-maj=12.4km s-min=9.1km az=48.0

ISC 06 01:10:36.5-2.1, 0.2, 96.6E, 0.2, h43km, 35km, n28, c=077/24, mb4.4/21, Northern Sumatara

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KULM Kulim, CMAR Chiang Mai Arr, JIRN Jiri, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KKN Kakani, LSA Lhasa, GKN Gorkha, etc.

CSEM 06 01:14:29.5-0.1, 34.96N-2.91W, h5km, MD2.8, Error ellipse: s-maj=1.6km s-min=1.4km az=3.0 CNRM 06 01:14:29.1, 35.06N-2.62W, h19km, MD2.8 MDD 06 01:14:31.1, 0.6, 34.91N-2.84W, h10km, 3km, mbLg1.9/17, Error ellipse: s-maj=6.4km s-min=4.9km az=138.0, PRXIMO

NEIC 06 01:14:32.7, 35.02N-3.11W, MG3.2(MDD), After MDD. ISC 06 01:14:30.5-0.4, 35.01N-0.03, 2.87W-0.03, h10km, n45, c=129/77, Strait of Gibraltar

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ZAI Zaio, ZAI Zaio, EMLI Mellilla, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like EBEN, EGRO, ESDC, EBAD, EBAD, EBAD, EBAD.

ATH 06:01:17:16.6, 40.18N-20.69E, h14km, MD3.1/4
THE 06:01:17:16.5, 40.24N-20.64E, h10km, ML2.7, Error
CSEM 06:01:17:16.9, 40.1, 18N-20.68E, h5km, ML2.7, Error

Table with columns: Code, Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like TPE, JANI, SRN, SRN, MEV, MEV, IGT, FNA, KEK, KZN, LIT, LIT, GRG, GRG, EVR, EVR, AGG, AGG, AGG, AGG, KNT, KNT, SOH, SOH.

IDC 06:01:20:12.2, 4.1, 01S-96.07E, mb3.9/6, mb1 4.1/6,
mb1mx3.8/16, mbtmtp4.0/6, Error ellipse:
s-maj=102.5km s-min=21.7km az=55.0, Southwest of

Table with columns: Code, Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like WRA, ASAR, MKAR, SONM, ZAL, FINES, TXAR.

KRSC 06:01:24:15.7, 0.9, 55.70N-165.85E, h35km, 12km, ML3.8,
Komandorsky Islands region

Table with columns: Code, Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like BKT, BKT, BKT, KBTR, KBTR, KBG, MKZ, MKZ, TUMR, TUMR, KIL, SPN, NLC, SMAR, UGLR, UGLR, UGLR, AVH, AVH, KOK, KOK, GNL, GNL, GRL, GRL, APC, APC.

ATH 06:01:26:21.7, 40.58N-23.73E, h22km, 1km, MD3.4/5
SOF 06:01:26:21.9, 40.60N-23.79E, h17km, MD2.9
NEIC 06:01:26:21.8, 40.58N-23.73E, h21km, MD3.4(ATH), After

Table with columns: Code, Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like PLG, OUR, OUR, OUR, SOH, SOH, THE, THE, THE, THE, PAIG, NVR, NVR, MMB, LIT, GRG, GRG, VAY, VAY, RZN, RZN, NEO, NEO, KKB, KKB, RDO, RDO, KZN, KZN.

Table with columns: Code, Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like KZD, ALN, FNA, FNA, AGG, VTS, VTS, EVR, EVR, DVS, DVS, EVR, EVR, MLR, MLR, TIR, TIR, CFR, CFR, VRI, VRI.

IDC 06:01:29:02.4, 1.6, 2.73S-127.41E, mb3.7/3, mb1 4.3/5,
mb1mx3.9/17, mbtmtp4.1/5, ML4.3/2, Error ellipse:
s-maj=101.2km s-min=22.8km az=67.0

NEIC 06:01:29:06.9, 1.0, 2.73S-127.59E, h30km, mb4.1/1, Error
ellipse: s-maj=39.9km s-min=13.6km az=70.0

ISC 06:01:29:04.9, 1.4, 2.75S-0.2, 127.6E-0.4, h33km, n8, c0535/8,
mb3.8/3, 1C, Ceram Sea

Table with columns: Code, Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like FITZ, WRAB, WRA, WB2, ASAR, ASPA, STKA, MKAR.

IDC 06:01:40:35.4, 9.7, 1.98N-96.01E, mb4.0/3, mb1 4.1/4,
mb1mx3.6/18, mbtmtp4.0/4, ML4.2/1, MS2.9/1, Ms1 3.1/1,
ms1mx2.7/25, Error ellipse: s-maj=190.7km
s-min=110.4km az=150.0, Off west coast of northern

Sumatera

Table with columns: Code, Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like CMAR, CMAR, MKAR, SONM, ZAL.

ISC 06:01:44:11.5, 37.81N-27.04E, h8km, MD3.2
CSEM 06:01:44:11.9, 0.1, 37.81N-27.16E, h5km, MD3.2, Error
ellipse: s-maj=2.5km s-min=1.7km az=102.0

ATH 06:01:44:13.5, 37.82N-27.06E, h3km, MD3.1/3
ISC 06:01:44:12.1, 0.6, 37.80N-0.03, 27.14E-0.04, h2km, 7km,

Table with columns: Code, Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like SMG, BLCB, AYDN, AYDN, IZM, IZM, BODT, BDRM, BDRM, MANT, MANT, APE, APE, DENIZ, PRK, PRK, FBLY, FBLY, EZE, DST, KCT, KCT.

IDC 06:01:59:13.9, 3.2, 23.56S-179.96W, h504km, 32km, mb3.5/6,
mb1 3.7/7, mb1mx3.4/17, mbtmtp4.4/7, Error ellipse:
s-maj=39.5km s-min=25.1km az=174.0

NEIC 06:01:59:16.9, 4.5, 23.87S-180.00E, h544km, 53km, mb4.5/2,
Error ellipse: s-maj=59.5km s-min=17.0km az=192.0

ISC 06:01:59:11.0, 5.3, 23.55S-0.1, 180.0E-0.2, h475km, 63km,
n14, c052/13, mb3.9/7, South of Fiji Islands

Table with columns: Code, Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like URZ, CTA, CTA, CTA, STKA, ASAR, ASAR, WRA, WRA, TXAR, TXAR, BVAR, BVAR.

IDC 06:02:04:22.4, 0.7, 1.28N-97.03E, mb4.3/12, mb1 4.5/13,
mb1mx4.3/20, mbtmtp4.1/3, ML4.2/1, MS4.2/11, Ms1 4.3/11,
ms1mx4.0/30, Error ellipse: s-maj=27.1km s-min=14.6km
az=50.0

BUI 06:02:04:24.3, 1.1, 14N-97.25E, h33km, mb5.2, mb4.9, MS4.9,
Ms24.7

MOS 06:02:04:25.8, 1.4, 1.32N-97.16E, h33km, mb4.9/17,
MS4.8/9, Error ellipse: s-maj=14.7km s-min=7.5km
az=98.6

NEIC 06:02:04:26.7, 0.3, 1.32N-97.15E, mb4.8/23, Error ellipse:
s-maj=16.6km s-min=6.8km az=59.0

ISC 06:02:04:27.0, 4.1, 31N-100.05E, 97.12E-0.05, h25km, 5/31,
h25km, 1.2km, pp-P, n109, c1806/120, mb4.7/52, MS4.5/31,
9C-4D, Northern Sumatera

Table with columns: Code, Station Name, Time, Res, Code, Station Name, Time, Res, Code. Includes stations like CMAR, CMAR, CHAG, CHAG, KKM, KKM, VTS, VTS, QIZ, QIZ, QIZ, QIZ, QIZ, QIZ.

HYB Hydrabad 24.28 312 eP P 02 09 34.0 -7.4
HYB Hydrabad 24.28 312 iP P 02 09 34.0 -7.4
KMI Kunming 24.29 12 P 02 09 43.8 +2.4

KMI comp=Z,70nm,1.4s,mb4.9 AMB AMB
KMI comp=Z,425nm,4.4s,mb4.9 LR LR
KMI comp=N,2um,15.8s,MS4.9 LR LR

KMI comp=E,1um,13.4s,MS4.9 LR LR
KMI comp=Z,3um,15.3s,MS4.8 LR LR
KMI comp=Z,70nm,1.4s,mb4.9 LR LR

KMI comp=Z,3um,15.3s,MS4.8 LR LR
KMI comp=Z,70nm,1.4s,mb4.9 LR LR
KMI comp=Z,3um,15.3s,MS4.8 LR LR

KMI comp=Z,70nm,1.4s,mb4.9 LR LR
KMI comp=Z,3um,15.3s,MS4.8 LR LR
KMI comp=Z,70nm,1.4s,mb4.9 LR LR

KMI comp=Z,3um,15.3s,MS4.8 LR LR
KMI comp=Z,70nm,1.4s,mb4.9 LR LR
KMI comp=Z,3um,15.3s,MS4.8 LR LR

KMI comp=Z,3um,15.3s,MS4.8 LR LR
KMI comp=Z,70nm,1.4s,mb4.9 LR LR
KMI comp=Z,3um,15.3s,MS4.8 LR LR

KMI comp=Z,3um,15.3s,MS4.8 LR LR
KMI comp=Z,70nm,1.4s,mb4.9 LR LR
KMI comp=Z,3um,15.3s,MS4.8 LR LR

KMI comp=Z,3um,15.3s,MS4.8 LR LR
KMI comp=Z,70nm,1.4s,mb4.9 LR LR
KMI comp=Z,3um,15.3s,MS4.8 LR LR

KMI comp=Z,3um,15.3s,MS4.8 LR LR
KMI comp=Z,70nm,1.4s,mb4.9 LR LR
KMI comp=Z,3um,15.3s,MS4.8 LR LR

KMI comp=Z,3um,15.3s,MS4.8 LR LR
KMI comp=Z,70nm,1.4s,mb4.9 LR LR
KMI comp=Z,3um,15.3s,MS4.8 LR LR

KMI comp=Z,3um,15.3s,MS4.8 LR LR
KMI comp=Z,70nm,1.4s,mb4.9 LR LR
KMI comp=Z,3um,15.3s,MS4.8 LR LR

KMI comp=Z,3um,15.3s,MS4.8 LR LR
KMI comp=Z,70nm,1.4s,mb4.9 LR LR
KMI comp=Z,3um,15.3s,MS4.8 LR LR

KMI comp=Z,3um,15.3s,MS4.8 LR LR
KMI comp=Z,70nm,1.4s,mb4.9 LR LR
KMI comp=Z,3um,15.3s,MS4.8 LR LR

KMI comp=Z,3um,15.3s,MS4.8 LR LR
KMI comp=Z,70nm,1.4s,mb4.9 LR LR
KMI comp=Z,3um,15.3s,MS4.8 LR LR

KMI comp=Z,3um,15.3s,MS4.8 LR LR
KMI comp=Z,70nm,1.4s,mb4.9 LR LR
KMI comp=Z,3um,15.3s,MS4.8 LR LR

KMI comp=Z,3um,15.3s,MS4.8 LR LR
KMI comp=Z,70nm,1.4s,mb4.9 LR LR
KMI comp=Z,3um,15.3s,MS4.8 LR LR

KMI comp=Z,3um,15.3s,MS4.8 LR LR
KMI comp=Z,70nm,1.4s,mb4.9 LR LR
KMI comp=Z,3um,15.3s,MS4.8 LR LR

KMI comp=Z,3um,15.3s,MS4.8 LR LR
KMI comp=Z,70nm,1.4s,mb4.9 LR LR
KMI comp=Z,3um,15.3s,MS4.8 LR LR

KMI comp=Z,3um,15.3s,MS4.8 LR LR
KMI comp=Z,70nm,1.4s,mb4.9 LR LR
KMI comp=Z,3um,15.3s,MS4.8 LR LR

KMI comp=Z,3um,15.3s,MS4.8 LR LR
KMI comp=Z,70nm,1.4s,mb4.9 LR LR
KMI comp=Z,3um,15.3s,MS4.8 LR LR

KMI comp=Z,3um,15.3s,MS4.8 LR LR
KMI comp=Z,70nm,1.4s,mb4.9 LR LR
KMI comp=Z,3um,15.3s,MS4.8 LR LR

KMI comp=Z,3um,15.3s,MS4.8 LR LR
KMI comp=Z,70nm,1.4s,mb4.9 LR LR
KMI comp=Z,3um,15.3s,MS4.8 LR LR

KMI comp=Z,3um,15.3s,MS4.8 LR LR
KMI comp=Z,70nm,1.4s,mb4.9 LR LR
KMI comp=Z,3um,15.3s,MS4.8 LR LR

KMI comp=Z,3um,15.3s,MS4.8 LR LR
KMI comp=Z,70nm,1.4s,mb4.9 LR LR
KMI comp=Z,3um,15.3s,MS4.8 LR LR

KMI comp=Z,3um,15.3s,MS4.8 LR LR
KMI comp=Z,70nm,1.4s,mb4.9 LR LR
KMI comp=Z,3um,15.3s,MS4.8 LR LR

KMI comp=Z,3um,15.3s,MS4.8 LR LR
KMI comp=Z,70nm,1.4s,mb4.9 LR LR
KMI comp=Z,3um,15.3s,MS4.8 LR LR

KMI comp=Z,3um,15.3s,MS4.8 LR LR
KMI comp=Z,70nm,1.4s,mb4.9 LR LR
KMI comp=Z,3um,15.3s,MS4.8 LR LR











Table of station data for the 6d 8h region, including station names, coordinates, and various parameters like frequency and power.

Main table of station data for the 2005 APR region, listing stations like Geres, Geres Array B, NB2, etc., with their respective coordinates and parameters.

Table of station data for the 230 region, including stations like Ms1, BUI, NEIC, etc., with their coordinates and parameters.













6d 10h

Table with columns for station name, frequency, mode, and signal strength. Includes stations like XJ2, N2J, comp=Z,10.0nm,0.6s,mb4.9, etc.

2005 APR

Table with columns for station name, frequency, mode, and signal strength. Includes stations like MKAR Makanchi Array, MKAR Makanchi Array, SONM Songino Array, etc.

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Table with columns for station name, frequency, mode, and signal strength. Includes stations like BILL Bilibino, BILL Bilibino, BILL comp=Z,3.0nm,1.7s,mb4.0, etc.

Code Station Name Az AZZ Phase ID Time Res
DZM Mont Dzumac 4.31 202 Op P 10 41 09.7 0.0
RAO Raoul Island 16.90 134 P P 10 43 51.5 0.0
WRA Warramunga Arr 32.02 261 P P 10 46 15.5 -0.3



LZH	PP	PP	11 29 11.0	-1.8	
LZH	PCP	PcP	11 29 41.8	+0.1	
LZH	S	S	11 33 34.0	-2.5	
LZH	AMB	AMB			
LZH	comp=Z,400nm,1.0s,mb6.1	AMB	AMB		
LZH	comp=Z,2um,4.0s	LR	LR		
LZH	comp=N,4um,14.6s	LR	LR		
LZH	comp=Z,5um,15.0s	LR	LR		
LZH	Lanzhou	39.91 2 ↑P	P	11 27 37.3	+0.8
LZH	comp=Z,400nm,1.0s,mb6.1	pP	pP	11 27 55.8	+3.1
LZH		sP	sP	11 29 01.8	+1.4
LZH		PP	PP	11 29 11.0	-1.8
LZH		PcP	PcP	11 29 41.8	+0.1
LZH		S	S	11 33 34.0	-2.5
LZH		sS	sS	11 34 04.0	
LZH		ScP	ScP	11 34 13.7	
LZH		SS	SS	11 36 25.0	-4.3
LZH	comp=Z,5um,15.0s	LR	LR		
SONA	Sohna	40.27 324 eP	P	11 27 39.2	-0.3
SONA	comp=Z,524nm,1.0s	eP		11 27 41.5	
AJM	Ajmer	40.48 320 ↑P	P	11 27 41.0	-0.3
AJM	New Delhi	40.52 325 eP	P	11 27 40.5	-1.1
NDI		11 33 42.5			
KHET	Khetri	40.89 323 eP	P	11 27 45.4	+0.7
KHET		eP		11 27 47.8	
DDI	Dehra Dun	41.31 327 eP	P	11 27 49.0	+0.9
DDI		eP		11 33 51.9	
SMLA	Simla	42.41 327 ↑P	P	11 27 47.8	-9.5
SMLA	comp=Z,127nm,0.4s,mb5.9	iS	S	11 34 05.5	-8.2
Tiy	Taiyuan	42.55 12 ↑P	S	11 28 00.0	+1.8
Tiy		LR	LR	11 34 21.0	+5.4
SDNR	Sundarnagar	42.81 327 eP	P	11 28 00.2	-0.2
SDNR		eS	S	11 34 18.6	-0.9
BHK	Bhakra	43.04 327 eP	P	11 28 09.7	+7.3
BHK		e		11 34 21.5	
GTA	Gaotai	43.27 357 ↑P	P	11 28 04.9	+0.2
GTA		iP	pP	11 28 22.5	+2.1
GTA		PP	PP	11 29 46.8	-0.7
GTA		PcP	PcP	11 29 53.0	+0.3
GTA		PCS	PCS	11 33 43.4	
GTA		S	S	11 34 24.7	-1.4
GTA		ScS	ScS	11 37 54.4	-1.2
GTA	comp=Z,115nm,1.2s,mb5.5	AMB	AMB		
GTA	comp=Z,886nm,7.6s	LR	LR		
GTA	comp=N,3um,20.9s	LR	LR		
GTA	comp=E,2um,26.6s	LR	LR		
GTA	comp=Z,5um,25.5s	LR	LR		
THN	Thein Dam	44.20 327 eP	P	11 28 11.0	-0.7
THN		eS	S	11 34 42.2	+2.5
BTO	Baotou	44.95 8 eP	P	11 28 17.5	-0.1
BTO	comp=Z,89nm,1.6s,mb5.3	AMB	AMB		
HHC	Hu-ho-hao-te	45.10 40 eP	P	11 28 22.3	+0.9
HHC		pP	pP	11 28 40.5	+2.7
HHC		PCP	PCP	11 29 57.5	-2.6
HHC		PP	PP	11 30 10.8	+1.8
HHC		PCS	PCS	11 33 54.2	
HHC		SS	SS	11 34 58.6	+1.4
HHC		SS	SS	11 38 15.0	+2.0
HHC	comp=Z,220nm,1.2s,mb5.9	LR	LR		
HHC	comp=N,2um,16.7s	LR	LR		
HHC	comp=E,2um,15.7s	LR	LR		
HHC	comp=Z,2um,21.4s	LR	LR		
ADE	Adelaide	45.60 137 P	P	11 28 23.6	+0.7
BJT	Baijiatuu	45.61 15 eP	P	11 28 23.3	+0.5
BJT	comp=Z,109nm,0.5s	pmax	pmax		
BJT	comp=Z,5um,19.0s	MLR	MLR		
BJT	Baijiatuu	45.61 15 eP	P	11 28 23.3	+0.4
BJT	comp=Z,109nm,0.5s,mb6.0	LR	LR		
CTA	Charters Tower	45.61 114 ↑P	P	11 28 22.7	-0.4
CTA	comp=Z,76nm,1.0s,mb5.6	↑P			
CTA	Charters Tower	45.61 114 ↑P	P	11 28 22.7	-0.4
CTA	comp=Z,76nm,1.0s	S	S	11 34 58.5	-1.6
CTA	comp=Z,9.0nm,1.1s,baz=213,slow=23,SNR=6.3	LR	LR	11 48 42.4	
CTA	comp=Z,618nm,20.1s,baz=290,slow=38	LR	LR		
CTAO	Charters Tower	45.61 114 eP	P	11 28 22.7	-0.4
CTAO	comp=Z,156nm,1.1s,mb5.8	pmax	pmax		
CTAO	Charters Tower	45.61 114 eP	P	11 28 22.7	-0.4
CTAO	comp=Z,156nm,1.1s,mb5.8	pmax	pmax		
BJI	Beijing	45.63 15 P	P	11 28 23.5	+0.5
BJI		PcP	PcP	11 29 59.9	-0.9
BJI		PP	PP	11 30 11.2	+0.1
BJI		S	S	11 34 57.3	-2.9
BJI		AMB	AMB	11 38 10.9	
BJI	comp=Z,213nm,0.9s,mb6.1	LR	LR		
BJI	comp=N,3um,19.9s	LR	LR		
BJI	comp=E,1um,19.1s	LR	LR		
BJI	comp=Z,3um,21.7s	LR	LR		
BJI	Beijing	45.63 15 P	P	11 28 23.5	+0.5
BJI		pP	pP	11 28 40.8	+1.4
BJI		sP	sP	11 28 50.5	+3.6
BJI		PcP	PcP	11 29 59.9	-0.9
BJI		PP	PP	11 30 11.2	+0.1
BJI		ScP	ScP	11 33 45.8	
BJI		S	S	11 34 57.3	-2.9
BJI		ScS	ScS	11 38 10.9	+0.5
BJI		SS	SS	11 38 28.1	+1.1
BJI	comp=Z,213nm,0.9s,mb6.1	MLR	MLR		
BJI	comp=Z,3um,21.7s	MLR	MLR		
BJI	Beijing	45.63 15 P	P	11 28 23.5	+0.5
BJI	comp=Z,213nm,0.9s,mb6.1	pP	pP	11 28 40.8	+1.4
BJI		sP	sP	11 28 50.5	+3.6
BJI		PcP	PcP	11 29 59.9	-0.9
BJI		PP	PP	11 30 11.2	+0.1
BJI		ScP	ScP	11 33 45.8	
BJI		S	S	11 34 57.3	-2.9
BJI		ScS	ScS	11 38 10.9	+0.5
BJI		SS	SS	11 38 28.1	+1.1
BJI	comp=Z,3um,21.7s	LR	LR		
STKA	Stevens Creek	46.05 132 ↑P	P	11 28 26.4	-0.1
STKA	comp=Z,67nm,0.8s,mb5.6	↑P			
STKA	Stevens Creek	46.05 132 P	P	11 28 26.1	-0.3
STKA	comp=Z,42nm,0.5s,mb5.7,baz=306,slow=7.5,SNR=202	S	S	11 35 05.8	-0.5
STKA	comp=Z,2.8nm,0.8s,baz=255,slow=24,SNR=2.3	LR	LR	11 50 31.4	
DL2	Dalian	46.26 21 ↑P	P	11 28 28.2	+0.2
DL2		PP	PP	11 30 19.9	+2.6
DL2		S	S	11 35 12.7	+3.6
DL2	comp=Z,40nm,1.0s,mb5.3	AMB	AMB		
DL2	comp=Z,250nm,4.8s	LR	LR		
DL2	comp=N,640nm,23.4s	LR	LR		
DL2	comp=E,720nm,19.8s	LR	LR		
DL2	comp=Z,1um,27.6s	LR	LR		
CBJ	Chichi jima	49.33 49 P	P	11 28 51.0	-1.1
CBJ	comp=Z,146nm,0.8s,mb6.0,baz=283,slow=21,SNR=9.2	↑P			
WMIQ	Urumqi	49.41 346 ↑P	P	11 28 52.5	0.0

WMIQ	PCP	PcP	11 30 15.0	+0.7	
WMIQ	PP	PP	11 30 47.3	-0.2	
WMIQ	PCS	S	11 34 10.5		
WMIQ	AMB	S	11 35 53.6	+0.2	
WMIQ	comp=Z,1um,3.8s	LR	LR		
WMIQ	comp=N,923nm,21.6s	LR	LR		
WMIQ	comp=E,784nm,21.0s	LR	LR		
WMIQ	comp=Z,1um,21.6s	LR	LR		
SNY	Shenyang	49.54 21 ↑P	P	11 28 52.0	-1.5
SNY		S	S	11 35 56.4	+1.3
SNY	comp=Z,80nm,1.1s,mb5.7	AMB	AMB		
SNY	comp=Z,660nm,8.6s	AMB	AMB		
SNY	comp=N,2um,21.4s	LR	LR		
SNY	comp=Z,2um,26.5s	LR	LR		
KSH	Kashi	49.67 333 ↑P	P	11 28 54.6	+0.1
KSH		eAP	pP	11 29 12.5	+1.4
KSH		ePCP	PcP	11 30 15.8	+0.5
KSH		ePP	PP	11 30 49.1	-1.0
KSH		ePCS	S	11 34 10.6	
KSH		eS	S	11 35 54.5	-2.5
KSH		eScS	ScS	11 38 35.5	-1.4
KSH		AMB	AMB		
KSH	comp=Z,2um,3.1s	LR	LR		
KSH	comp=N,550nm,4.9s	LR	LR		
KSH	comp=E,540nm,4.7s	LR	LR		
WBK	Wadi Bani Khal	49.97 304 P	P	11 28 57.8	+0.8
JMDO	Jabal Madar	50.59 303 P	P	11 29 02.1	+0.3
SHAO	Shalim	51.02 297 P	P	11 29 05.8	+0.7
SHAO	SNR=8.4				
BIDJ	Bidbid	51.07 305 P	P	11 29 06.8	+1.3
BIDJ	SNR=16				
HJO	Hachijo jima 2	51.15 41 LR	LR	11 49 27.6	
HJO	comp=E,715nm,21.0s,baz=347,slow=34				
BSY	Bisyay	51.50 303 P	P	11 29 09.4	+0.8
BSY	SNR=13				
TOO	Toolangi	51.63 136 eP	P	11 29 10.7	+1.3
TOO	comp=E,11nm,0.6s,mb5.0	pmax	pmax		
TOO	Toolangi	51.63 136 eP	P	11 29 10.7	+1.3
TOO	comp=Z,11nm,0.6s,mb5.0	ScP			
SONM	Songino Array	51.74 3 P	P	11 29 10.5	+0.4
SONM	comp=Z,152nm,0.5s,mb6.2,baz=185,slow=9.4,SNR=1180	PcP	PcP	11 30 22.6	-0.2
SONM	comp=Z,18nm,0.5s,baz=192,slow=4.5,SNR=5.1	ScP			
SONM	comp=Z,3.3nm,1.0s,baz=207,slow=3.2,SNR=5.9	S	S	11 34 11.4	
SONM	comp=Z,1.3nm,1.1s,baz=191,slow=22,SNR=2.0	S	S	11 36 24.6	-1.0
SONM	comp=Z,2um,18.2s,baz=182,slow=39	LR	LR	11 54 06.9	
SONM	comp=Z,0.8nm,1.1s,baz=225,slow=1.7,SNR=4.2	PKPPKP			
ULHL	Ulaloh	51.79 335 P	P	11 29 10.7	+0.1
ULHL	SNR=16				
ULN	Ulaanbaatar	51.82 4 P	P	11 29 11.1	+0.4
ULN	comp=Z,170nm,0.9s,mb6.0	pmax	pmax		
ULN	Ulaanbaatar	51.82 4 eP	P	11 29 10.8	+0.1
ULN	comp=Z,165nm,0.9s,mb5.0	ScP			
CN2	Changchun	51.93 21 eP	P	11 29 10.5	-1.1
CN2	comp=Z,20nm,1.0s,mb5.0	AMB	AMB		
CN2	comp=Z,400nm,4.0s	AMB	AMB		
CN2	comp=N,2um,17.0s	LR	LR		
CN2	comp=E,1um,17.0s	LR	LR		
CN2	comp=Z,2um,19.0s	LR	LR		
KZA	Kyzart	52.07 335 P	P	11 29 13.0	+0.3
KZA	SNR=13				
RBK	Rakutai	52.11 296 P	P	11 29 13.8	+0.5
RBK	SNR=27				
ARQ	Araq	52.32 304 P	P	11 29 15.1	+0.4
ARQ	SNR=33				
MAJO	Matsushiro	52.40 37 ↑P	P	11 29 13.4	-1.8
MAJO	comp=Z,40nm,0.5s,mb5.6	pmax	pmax		
MAJO	Matsushiro	52.40 37 ↑P	P	11 29 13.4	-1.8
MAJO	comp=Z,40nm,0.5s,mb5.6	pmax	pmax		
MAT	Matsushiro	52.40 37 eS	S	11 29 14.0	-1.2
MAT		pmax	pmax	11 36 33.0	-1.7
MAT	comp=Z,131nm,1.2s,mb5.7	MLR	MLR		
MAT	Matsushiro	52.40 37 eP	P	11 29 14.0	-1.2
MAT	comp=Z,131nm,1.2s,mb5.7	S	S	11 36 33.0	-1.7
MAT	comp=Z,740nm,22.0s	LR	LR		
MAT	Matsushiro	52.40 37 P	P	11 29 13.5	-1.7
MAT		S	S	11 36 33.0	-1.7
MAT		S	S	11 29 13.7	-1.5
MJAR	Matsushiro Arr	52.40 37 P	P	11 30 24.8	-0.6
MJAR	comp=Z,24nm,0.5s,mb5.4,baz=218,slow=7.7,SNR=140	PcP	PcP		
MJAR	comp=Z,17nm,1.0s,baz=220,slow=4.8,SNR=4.2	ScP			
MJAR	comp=Z,5.0nm,0.9s,baz=210,slow=4.0,SNR=4.9	LR	LR	11 51 22.4	
MJAR	comp=Z,690nm,21.9s,baz=235,slow=36	LR	LR		
UCH	Uchter	52.52 334 P	P	11 29 15.8	-0.1
UCH	SNR=100				
TKM2	Tokmak 2	52.62 335 P	P	11 29 16.2	-0.6
TKM2	SNR=268				
WHFO	Wadi Hawf	52.64 296 P	P	11 29 17.1	-0.1
WHFO	SNR=42				
KBK	Karagaybulak	52.68 335 P	P	11 29 16.9	-0.3
KBK	SNR=5				
AML	Almayusha	52.80 333 P	P	11 29 18.1	-0.1
AML	SNR=24				
AAK	Ala-Archa	52.85 334 P	P	11 29 18.1	-0.5
AAK	SNR=96				
AAK	Ala-Archa	52.85 334 ↑P	P	11 29 16.7	-1.8
AAK	comp=Z,69nm,0.8s,mb5.6	pmax	pmax		
AAK	Ala-Archa	52.85 334 ↑P	P	11 29 16.7	-1.8
AAK	comp=Z,69nm,0.8s,mb5.6	pmax			





GKP	comp-Z, 600nm, 23.8s	MLR	MLR	12 17 19.0	VNA1	e		11 33 42.0	CMW	Cutus Mountain	121.72	33	P	PKPdf	11 38 55.7 +1.8			
SGO	comp-Z, 600nm, 23.8s	0.95 310	eP	P	11 33 03.7 +1.0	VNA1	e	11 37 51.5	FMW	Mount Fremont	122.82	35	P	PKPdf	11 38 57.5 +1.4			
DPC	Dobruska-Polom	90.53 320	eP	P	11 33 04.5 +1.2	Novy Kostel	93.00 320	iP	11 33 15.8 +1.1	EDM	Edmonton	122.85	25	PKIKP	PKPdf	11 38 56.9 +0.9		
DPC	comp-Z, 500nm, 22.7s		eP	MLR	11 33 14.6 -7.0	NKC		11 36 57.2	EDM	Edmonton	122.85	25	ePKPdf	PKPdf	11 38 56.7 +0.7			
DPC	Dobruska-Polom	90.53 320	eP	P	11 33 04.5 +1.2	NKC		11 36 57.2	EDM	Edmonton	122.85	25	ePKPdf	PKPdf	11 38 56.7 +0.7			
DPC	comp-Z, 500nm, 22.7s		eP	AMS	11 33 14.6 -7.0	NKC		11 36 57.2	EDM	Edmonton	122.85	25	ePKPdf	PKPdf	11 38 56.7 +0.7			
DPC	Dobruska-Polom	90.53 320	eP	P	11 33 04.5 +1.2	NKC		11 36 57.2	EDM	Edmonton	122.85	25	ePKPdf	PKPdf	11 38 56.7 +0.7			
DPC	comp-Z, 500nm, 22.7s		eP	AMS	11 33 14.6 -7.0	NKC		11 36 57.2	EDM	Edmonton	122.85	25	ePKPdf	PKPdf	11 38 56.7 +0.7			
CSNS	Cassano Irpino	90.59 311	eP	P	11 33 04.7 +0.9	SFI	Santa Sofia	93.13 314	eP	P	11 33 16.6 +1.2	HUMO	Hull Mountain	124.38	30	ePKPdf	PKPdf	11 39 00.7 +1.5
KSP	Ksiaz	90.60 321	eP	P	11 33 04.7 +0.9	WTTA	Wattenberg	93.42 317	iP	P	11 33 16.3 -0.4	NEW	Newport	124.47	31	PKIKP	PKPdf	11 38 59.0 +0.6
KSP	Ksiaz	90.60 321	eP	P	11 33 05.1 +1.5	WTTA	Wattenberg	93.42 317	iP	P	11 33 16.3 -0.4	WALA	Waterton Lakes	125.54	29	ePKPdf	PKPdf	11 39 02.6 +1.3
KSP	Ksiaz	90.60 321	eP	MLR	12 19 42.5	WTTA	Wattenberg	93.42 317	iP	P	11 33 16.3 -0.4	LTIM	Timbered Crate	126.05	40	P	PKPdf	11 39 04.5 +2.1
UPC	Upice	90.75 320	iP	P	11 33 05.6 +1.3	WATER	Walderalm	93.46 317	iP	P	11 33 16.5 -0.4	HOPS	Hopland	126.08	43	eP	PKPdf	11 39 05.4 +2.8
UPC	Upice	90.75 320	iP	P	11 33 15.5 -7.1	WATER	Walderalm	93.46 317	iP	P	11 33 16.5 -0.4	HOD	Hodoc	126.42	34	eP	PKPdf	11 39 04.9 +1.7
UPC	Upice	90.75 320	iP	P	11 33 05.1 +0.6	WATER	Walderalm	93.46 317	iP	P	11 33 16.5 -0.4	BMO	Blue Mountains	126.51	34	PKIKP	PKPdf	11 39 04.2 +0.9
ARSA	Arzberg	90.77 317	iP	P	11 33 05.1 +0.6	WATER	Walderalm	93.46 317	iP	P	11 33 16.5 -0.4	BMO	Blue Mountains	126.51	34	ePKPdf	PKPdf	11 39 03.7 +0.4
VAE	Valguarnera	90.79 307	P	P	11 33 05.3 +0.5	WATER	Walderalm	93.46 317	iP	P	11 33 16.5 -0.4	MSO	Missoula	127.04	31	ePKPdf	PKPdf	11 39 04.7 +0.4
BOJS	Bojanci	90.81 315	eP	P	11 33 05.1 +0.4	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	PKIKP	PKPdf	11 39 07.0 +2.4
SNA	Sanae	90.97 198	iP	P	11 33 13.4 +8.5	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
SNA	Sanae	90.97 198	eP	P	11 33 20.7 +1.6	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
SNA	Sanae	90.97 198	eP	P	11 33 07.0 +2.1	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
SNA	Sanae	90.97 198	eP	P	11 33 06.7 +1.8	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
LJU	Ljubljana	91.36 316	iP	P	11 33 07.8 +0.6	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
OBKA	Obir	91.38 316	iP	P	11 33 08.0 +0.6	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 09.3 +0.8	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR	Wild Horse Val	127.15	38	ePKPdf	PKPdf	11 39 06.3 +1.7
PRU	Pruhonice	91.64 320	iP	P	11 33 20.1 -6.7	MOX	Moxa	93.55 320	eP	P	11 33 17.8 +0.6	WVOR						

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like Barren Site, Newcomb, Kansas State U, etc.

JMA 06 11:28:36.9, 0.3, 30.44N, 139.12E, h435km, 4km, M4.1
IDC 06 11:28:37.0, 0.6, 30.40N, 138.99E, h414km, 10km, mb3.5/9, mb1 3.6/13, mb1mx3.4/25, mb1tmp4.3/13, Error ellipse: s-maj=25.5km s-min=9.4km az=73.9

NEIC 06 11:28:37.8, 0.8, 30.44N, 138.97E, h423km, 7km, mb4.1/2, Error ellipse: s-maj=17.3km s-min=9.3km az=96.0

ISC 06 11:28:36.4, 0.5, 30.41N, 0.05, 139.07E, 0.09, h430km, 5km, n28, c086/40, mb3.8/10, Southeast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like Mitsune, Hachioji jima 2, etc.

IDC 06 11:38:48.3, 2.3, 10.25N, 91.60E, mb3.4/4, mb1 3.5/5, mb1mx3.4/19, mbtmp3.3/5, ML3.5/1, Error ellipse: s-maj=69.7km s-min=23.6km az=69.0, Andaman Islands region

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

PRU 06 11:56:50.5, 50.27N, 18.84E
WAR 06 11:56:49.6, 50.26N, 18.90E, h0km, ML2.5, Mining Induced, Poland

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

IDC 06 11:59:37.0, 3.2, 0.26N, 97.14E, mb3.5/5, mb1 3.7/6, mb1mx3.6/17, mbtmp3.5/6, Error ellipse: s-maj=122.0km s-min=22.0km az=60.0, Northern Sumatra

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

BUJ 06 12:02:19.8, 2.11N, 96.28E, h27km, mb5.0, mb4.5, Ms4.5, Ms4.1

MOS 06 12:02:26.0, 1.1, 2.80N, 96.24E, h33km, mb4.7/15, Error ellipse: s-maj=16.3km s-min=7.8km az=103.2

IDC 06 12:02:27.0, 0.6, 2.92N, 96.35E, h26km, 3km, mb4.1/13, mb1 4.2/13, mb1mx4.1/19, mbtmp4.3/13, MS3.6/2, Mb1 3.7/2, ms1mx3.1/21, Error ellipse: s-maj=22.6km s-min=11.5km az=48.0

NEIC 06 12:02:27.0, 0.3, 2.87N, 96.29E, mb4.6/12, Error ellipse: s-maj=9.2km s-min=6.5km az=57.0

ISC 06 12:02:25.8, 0.4, 2.87N, 0.05, 96.31E, 0.06, h28km, h28km, 1.0km, pp-P, n88, c0598/94, mb4.5/43, MS4.0/8, 2C-1D, Northern Sumatra

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like Kulum, Sng, Khon Kaen, etc.

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









Table with columns: PRU, comp=N, 15nm, 0.2s, smax, 1.78 216 ePN Pn, 16 04 42.0 +1.0, etc.

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

NIED 06 16:09:00, 33.70N, 130.30E, h11km, Mw3.3 Best double couple: M1.13x1014 NP1:φ51°, 889°, 1.55°. NP2:φ141°, 665°, 1.1°.

JMA 06 16:09:48.7, 33.70N, 130.32E, h12km, M3.5, 2C-2D Broadband fault plane solution: P waves, NP1:φ48°, 876°, 1.167°. NP2:φ142°, 877°, 1.14°. Principal axes: T P19°, Azm5°; N P1g71°, Azm182°; P P1g1°, Azm275°.

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

IDC 06 16:20:22.3±2.2, 12.47N-91.57E, mb3.3/4, mb1 3.5/5, mb1mx3.3/20, mbtmp3.3/5, ML3.4/1, Error ellipse: s-maj=65.0km s-min=24.3km az=69.0, Andaman Islands region

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

CSEM 06 16:20:47.0±1.0, 38.51N-28.61W, h17km, 7km, ML2.0, Error ellipse: s-maj=9.9km s-min=3.8km az=32.0, After PDA

PDA 06 16:20:47.0±1.0, 38.51N-28.61W, h17km, 7km, MD2.9, ML2.0, Error ellipse: s-maj=9.9km s-min=3.8km az=32.0

SVSA 06 16:20:47.0±1.0, 38.51N-28.61W, h17km, 7km, MD2.9, ML2.0, Error ellipse: s-maj=9.9km s-min=3.8km az=32.0, Azores Islands

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

OTT 06 16:25:33.6±0.2, 52.91N-66.93W, MN2.9/8, Blast, Labrador City, NI Mining explosion, Northern Quebec

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

IDC 06 16:26:05.2±2.3, 6.72N-124.73E, mb3.5/3, mb1 3.7/3, mb1mx3.4/20, mbtmp3.5/3, Error ellipse: s-maj=218.8km s-min=26.3km az=64.0, Mindanao

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

IDC 06 16:41:49.1±1.0, 5.40N-93.21E, mb4.0/10, mb4 2.1/1, mb1mx4.0/21, mbtmp4.0/11, ML3.7/1, MS3.3/2, MS1 3.3/2, ms1mx2.9/26, Error ellipse: s-maj=42.5km s-min=18.4km az=52.0

BUI 06 16:41:53.6±0.5, 40N-93.30E, h30km, mb4.5 NEIC 06 16:41:53.6±0.4, 5.43N-93.28E, h30km, mb4.3/8, Error ellipse: s-maj=11.0km s-min=5.9km az=50.0

ISC 06 16:41:51.9±0.7, 5.39N-108.9331E±0.09, h30km, n31, φ65/30, mb4.2/19, MS3.5/1, 1C, Off west coast of northern Sumatra

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

WRA Warramunga Arr 28.13 161 P 16 31 59.6 -1.8

MSK Makanchi Array 53.98 325 P 16 35 31.3 -2.1

IDC 06 16:41:53.6±0.5, 40N-93.30E, h30km, mb4.5 NEIC 06 16:41:53.6±0.4, 5.43N-93.28E, h30km, mb4.3/8, Error ellipse: s-maj=11.0km s-min=5.9km az=50.0

ISC 06 16:41:51.9±0.7, 5.39N-108.9331E±0.09, h30km, n31, φ65/30, mb4.2/19, MS3.5/1, 1C, Off west coast of northern Sumatra

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

OTT 06 16:45:39.0±0.5, 47.69N-91.83W, MN3.0/12, Blast, Minnesota, U.S. Mining explosion, Minnesota

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

IDC 06 17:12:53.9±1.7, 6.11N-126.83E, mb3.6/5, mb1 3.8/5, mb1mx3.6/20, mbtmp3.6/5, Error ellipse: s-maj=77.6km s-min=21.1km az=62.0

ISC 06 17:12:55.1±2.3, 6.40N-110.127.3E±0.1, h36km, 22km, n10, φ92/15, mb3.5/5, 2C, Philippine Islands region

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

JMA 06 17:15:03.1±0.2, 44.01N-148.07E, M4.2, Kuril Islands

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

CSEM 06 17:37:23.5±0.5, 38.71N-29.05W, h5km, 3km, ML2.7, Error ellipse: s-maj=14.5km s-min=4.3km az=30.0, After PDA

PDA 06 17:37:23.5±0.5, 38.71N-29.05W, h5km, 3km, MD3.5, ML2.7, Error ellipse: s-maj=14.5km s-min=4.3km az=30.0

SVSA 06 17:37:23.5±0.5, 38.71N-29.05W, h5km, 3km, MD3.5, ML2.7, Error ellipse: s-maj=14.5km s-min=4.3km az=30.0, Azores Islands

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

MOS 06 17:45:45.2±0.5, 50.07N-18.20E, h10km, mb3.8/1, Error ellipse: s-maj=8.6km s-min=6.9km az=98.8

NEIC 06 17:45:45.2±0.5, 50.07N-18.20E, h10km, mb3.8/1, Error ellipse: s-maj=8.6km s-min=6.9km az=98.8

PRU 06 17:45:46.7±0.6, 50.06N-18.36E, IPEC 06 17:45:46.7±0.6, 50.07N-18.42E, h7km, 1km, ML3.0/3, Error ellipse: s-maj=1.8km s-min=0.7km az=159.0

IDC 06 17:45:46.4±0.9, 49.99N-18.34E, mb1 3.3/4, mb1mx3.2/20, mbtmp3.2/4, ML2.9/4, Error ellipse: s-maj=21.9km s-min=7.2km az=157.0

BGR 06 17:45:49.2±0.8, 49.83N-18.03E, h1km, ML3.7/10, Error ellipse: s-maj=7.8km s-min=5.6km az=15.0

WAR 06 17:45:43.5±0.7, 50.07N-18.43E, h0km, ML3.1, 14C-5D, Mining induced, Poland







Table with columns: ZAL, Zalesovo, 52.56 351 P, P, 18 18 26.9 -0.2, etc.

NEIC 06 18:12:19.3.1.2. 82.89S:169.26E, h638km, 15km, mb4.5/4, Error ellipse: s-maj=18.7km s-min=12.0km az=149.0

IDD 06 18:12:21.6.1.9, 13.05S:169.22E, h674km, 28km, mb3.4/12, mb1.3/5.13, mb1mx3/4.0, mbtmp4.4/13, Error ellipse: s-maj=32.5km s-min=13.1km az=141.0

ISC 06 18:12:20.9.1.5, 13.05S:0.2D, 169.1E:0.2, h678km, 26km, n36, c081/25, mb4.0/13, 2D, Santa Cruz Islands region

Main table for Santa Cruz Islands region with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC

IDD 06 18:17:18.6.1.9, 30.40S:176.77W, mb3.7/2, mb1.3/9/3, mb1mx3.8/16, mbtmp3.7/3, ML3.3/1, MS3.8/1, Ms1.3/8/1, ms1mx2.5/25, Error ellipse: s-maj=41.7km s-min=27.5km az=72.0, Kermadec Islands region

Main table for Kermadec Islands region with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC

IDD 06 18:18:46.2.9.0, 19N-97.99E, h22km, 6km, mb3.4/4, mb1.3/6/4, mb1mx3.4/16, mbtmp3.6/4, Error ellipse: s-maj=114.4km s-min=18.1km az=58.0, Northern Sumatara

Main table for Northern Sumatara with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC

IDD 06 18:21:25.8.2.8, 4.61S: 153.79E, mb4.0/8, mb1.4/2/8, mb1mx4.0/16, mbtmp4.0/8, MS4.1/2, Ms1.4.1/2, ms1mx3.0/27, Error ellipse: s-maj=79.7km s-min=22.6km az=101.0

ISC 06 18:21:29.0.2.1, 4.65S:0.1, 153.8E:0.4, h33km, n14, c081/11, mb3.9/8, MS4.1/2, New Ireland region

Main table for New Ireland region with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC

Table with columns: CMAR, Chiang Mai Arr, 58.74 295 P, P, 18 31 26.8 +0.3, etc.

IDD 06 18:24:12.6.2.4, 15.46S:173.26W, mb3.9/6, mb1.4/2/7, mb1mx4.0/19, mbtmp3.9/7, ML2.3/1, Error ellipse: s-maj=140.6km s-min=19.4km az=143.0

ISC 06 18:24:16.5.1.7, 15.25S:0.6, 173.5W:0.4, h33km, n10, c054/8, mb3.8/6, Tonga Islands

Main table for Tonga Islands with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC

THR 06 18:27:11.8.1.1, 35.04N:45.80E, h15km, 16km, ML3.2

TEH 06 18:27:12.2.34.57N:45.60E, h10km, Mn3.4

CSEM 06 18:27:12.2.0.3, 34.76N:45.91E, h1km, 2km, ML3.4, Error ellipse: s-maj=3.4km s-min=2.6km az=178.0

ISC 06 18:27:12.1.0.5, 34.80N:0.05, 45.87E:0.04, h1km, n21, c098/33, Iran-Iraq border region

Main table for Iran-Iraq border region with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC

IDD 06 18:29:15.0.3.1, 0.03S:96.65E, mb3.9/6, mb1.4/0/7, mb1mx3.8/19, mbtmp3.8/7, ML3.6/1, Error ellipse: s-maj=116.8km s-min=19.0km az=60.0, Southwest of Sumatara

Main table for Southwest of Sumatara with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC

JMA 06 18:38:56.4.0.2, 22.90N:121.49E, h75km, M2.9

TAP 06 18:38:55.0, 22.96N:121.40E, h26km, 1km, ML3.5, Taiwan region

Main table for Taiwan region with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC

IDD 06 18:50:48.1.6.0, 16.80S:179.35W, mb4.2/3, mb1.4/3/3, mb1mx3.8/16, mbtmp4.2/3, Error ellipse: s-maj=1045.0km s-min=149.7km az=77.0, Fiji Islands region

Main table for Fiji Islands region with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC

Table with columns: KIWB, Kanaga Island, 2.02 97 P, P, 18 55 25.7 +0.5, etc.

IDD 06 19:02:09.7.0.0, 6.72N:72.98W, h162km, 16km, mb3.1/1, mb1.3/5/3, mb1mx3.0/22, mbtmp3.8/2, Error ellipse: s-maj=68.2km s-min=7.9km az=132.0, Northern Colombia

IGQ 06 19:10:52.0.0, 72S:78.63W, h23km, 2km, mb4.1, 8C-4D, Error ellipse: s-maj=1.6km s-min=0.7km az=172.2, Ecuador

Main table for Ecuador with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC

STR 06 19:12:19.7.0.2, 42.24N:7.67E, h10km, 1km, M12.7, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

LDG 06 19:12:23.0.0.2, 42.09N:7.66E, h10km, M2.7/1, M12.5/14, Error ellipse: s-maj=3.8km s-min=2.8km az=175.0

NEIC 06 19:12:23.0, 42.09N:7.66E, h10km, ML2.7(STR), PINO 12.2/23, After LDC

MDD 06 19:12:23.9.1.7, 42.11N:7.62E, h19km, 16km, mb3.5/3, Error ellipse: s-maj=11.4km s-min=7.0km az=164.0, PRXIMO

CSEM 06 19:12:24.0.2, 42.11N:7.72E, h40km, ML2.5/14, Error ellipse: s-maj=6.1km s-min=3.8km az=23.0

ISC 06 19:12:20.5.0.6, 42.19N:0.03, 7.48E:0.04, h10km, n38, c1560/67, Western Mediterranean Sea

Main table for Western Mediterranean Sea with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC

IDD 06 19:12:25.8.2.8, 4.61S: 153.79E, mb4.0/8, mb1.4/2/8, mb1mx4.0/16, mbtmp4.0/8, MS4.1/2, Ms1.4.1/2, ms1mx3.0/27, Error ellipse: s-maj=79.7km s-min=22.6km az=101.0

Main table for Western Mediterranean Sea with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC



6d 21h

Table with columns: EPOB, Pobl, 4.86 262 P, Pn, 19 13 36.1 +0.7, etc.

IDC 06 19:22:34.1±1.0, 4.72N-95.05E, mb4.2/11, mb1 4.4/11, mb1mx4.2/20, mbtmp4.2/11, MS3.0/1, Ms1 3.2/1, ms1mx2.8/34, Error ellipse: s-maj=48.0km s-min=17.5km az=50.0

BUI 06 19:22:36.1, 4.44N-95.26E, h37km, mb5.0 MOS 06 19:22:37.3±1.5, 4.43N-94.68E, h33km, mb4.9/6, Error ellipse: s-maj=35.7km s-min=13.3km az=105.3

NEIC 06 19:22:38.8±0.5, 4.62N-94.98E, h30km, mb4.6/8, Error ellipse: s-maj=16.4km s-min=7.0km az=223.0

ISC 06 19:22:37.0±0.6, 4.6N±0.1, 95.0E±0.1, h30km, n44, c094/44, mb4.4/24, 3C-1D, Northern Sumaterra

Main table for 6d 21h section with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

TRN 06 19:26:59.3, 14.95N-60.37W, h35km, MD3.7, M2.8(FDF), Windward Islands

Table for Windward Islands section with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

CSEM 06 19:36:11.0±0.1, 34.71N-47.01E, h2km, ML3.3, Error ellipse: s-maj=2.4km s-min=1.2km az=148.0

THR 06 19:36:12.9±1.0, 34.74N-47.08E, h14km, ML3.2

TEH 06 19:36:14.1, 34.57N-46.97E, h10km, Mn3.3

ISC 06 19:36:12.1±0.7, 34.71N±0.05, 46.97E±0.06, h10km, n23, c1501/26, Western Iran

Table for Western Iran section with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

2005 APR

Table with columns: BHD, BHD, BHD, SHMR, SHMR, SHMR, etc.

IDC 06 19:46:14.2±1.0, 0.64N-96.28E, mb4.0/9, mb1 4.2/10, mb1mx4.0/19, mbtmp4.0/10, ML4.2/1, MS2.9/1, Ms1 3.1/1, ms1mx2.8/24, Error ellipse: s-maj=34.3km s-min=20.3km az=56.0

NEIC 06 19:46:18.8±0.6, 0.68N-96.41E, h30km, mb4.2/3, Error ellipse: s-maj=16.3km s-min=11.8km az=60.0

ISC 06 19:46:16.0±0.9, 1.07N±0.2, 96.4E±0.2, h24km±63km, n16, c1905/16, mb4.0/12, 1D, Off west coast of northern Sumaterra

Main table for 2005 APR section with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

IDC 06 20:27:36.7±5.1, 6.32N-91.68E, mb3.4/3, mb1 3.7/4, mb1mx3.5/20, mbtmp3.5/4, ML3.6/1, Error ellipse: s-maj=147.8km s-min=29.7km az=76.0, Nicobar Islands region

Table for Nicobar Islands region section with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

JMA 06 20:50:41.9±0.4, 33.83N-142.61E, h55km, M3.7

IDC 06 20:50:42.2±1.8, 33.51N-142.40E, mb3.3/4, mb1 3.6/6, mb1mx3.4/23, mbtmp3.6/6, ML3.7/2, Error ellipse: s-maj=40.6km s-min=21.8km az=58.0

ISC 06 20:50:40.3±2.5, 33.77N±0.07, 142.5E±0.1, h16km±21km, n13, c1912/18, mb3.3/4, Off east coast of Honshu

Main table for 2005 APR section with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

2005 APR

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

IDC 06 20:27:36.7±5.1, 6.32N-91.68E, mb3.4/3, mb1 3.7/4, mb1mx3.5/20, mbtmp3.5/4, ML3.6/1, Error ellipse: s-maj=147.8km s-min=29.7km az=76.0, Nicobar Islands region

JMA 06 20:50:41.9±0.4, 33.83N-142.61E, h55km, M3.7

IDC 06 20:50:42.2±1.8, 33.51N-142.40E, mb3.3/4, mb1 3.6/6, mb1mx3.4/23, mbtmp3.6/6, ML3.7/2, Error ellipse: s-maj=40.6km s-min=21.8km az=58.0

ISC 06 20:50:40.3±2.5, 33.77N±0.07, 142.5E±0.1, h16km±21km, n13, c1912/18, mb3.3/4, Off east coast of Honshu

Main table for 2005 APR section with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

IDC 06 21:46:16.8±0.7, 0.88N-97.45E, mb4.2/13, mb1 4.4/14, mb1mx4.2/21, mbtmp4.2/14, ML4.3/1, MS3.6/3, Ms1 3.6/3, ms1mx2.8/29, Error ellipse: s-maj=29.4km s-min=15.6km az=52.0

BUI 06 21:46:19.4, 0.50N-97.73E, h50km, mb4.9, mb4.7, Ms4.3, Ms2.9

NEIC 06 21:46:21.7±0.5, 0.85N-97.51E, h30km, mb4.4/14, Error ellipse: s-maj=12.1km s-min=8.2km az=55.0

ISC 06 21:46:18.5±2.6, 0.81N±0.07, 97.42E±0.08, h22km±17km, h35km±14km, pp-P, n44, c094/45, mb4.4/29, MS3.6/4, Northern Sumaterra

Main table for 2005 APR section with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.





Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SCHQ Schefferville, ULM Lac du Bonnet, SRU San Rafael, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SONA, THN Thein Dam, KHET Khetri, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SIT Sitka, DLBC Dease Lake, DLBC Dease Lake, etc.

IDC 06 22:24:20.2,0.6,4.6,69S,35.90E,mb4,2/12,mb1 4.3/13,mb1mx4.1/24,mbtmp4.2/13,ML3.6/1,MS4.4/15,Ms1 4.4/15,ms1mx2.4/21, Error ellipse: s-maj=28.1km s-min=15.4km az=54.0

NEIC 06 22:24:21.0,4.4,58.5S,35.94E,h10km,mb4,4/1, Error ellipse: s-maj=16.6km s-min=9.6km az=68.0

ISC 06 22:24:20.4,0.5,44.56S,0.08,35.9E,0.2,h10km,n37,066B/19,mb4,2/13,MS4.4/14,4C,Prince Edward Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MALT Malaya, AKASG Malin Array B, AKASG Malin Array B, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like BOZ Bozeman W, FCC Fort Churchill, HLID Halley, etc.

IDC 06 22:42:01.7,0.7,61.50N,146.75W,mb4,0/18,mb1 4.2/20,mb1mx4.2/25,mbtmp4.0/20,ML3.9/2,MS3.8/7,Ms1 3.7/7,ms1mx3.3/38, Error ellipse: s-maj=16.7km s-min=9.6km az=42.0

BJJ 06 22:04:2.6,1.0,40N,146.50W,h17km,mb5.5,mb4.6,MS4.8,MS2.0/4

NEIC 06 22:42:08.3,61.45N,146.53W,h17km,mb4.5/16,ML4.4(PMR),ML4.2(AEIC),After AEIC.

NEIC Felt [III] at Valdez and [II] at Anchorage, Eagle River and Fort Richardson. Also felt at Copper Center, Cordova and Delta Junction.

ISC 06 22:42:06.0,0.2,61.45N,0.02,146.42W,0.4,h33km,n132,0193S/138,mb4,3/40,MS3.8/5,1C-1D,Southern Alaska

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like VLZ Valdez, JPK Jack Peak, DIV Divide, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KAF Kaganasiemi, FINES Finess Array B, FINES Finess Array B, etc.

IDC 06 22:42:06.0,0.2,61.45N,0.02,146.42W,0.4,h33km,n132,0193S/138,mb4,3/40,MS3.8/5,1C-1D,Southern Alaska

Code Station Name Az Phase ID Time Res h m s ISC

Main table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SUR Sutherland, SUR Sutherland, LBTB Lobatse, MATP Matopo, etc.

Code Station Name Az Phase ID Time Res h m s ISC

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

Code Station Name Az Phase ID Time Res h m s ISC

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

IDC 06 22:24:36.0,0.9,30.66N,86.72E,mb3,6/10,mb1 3.8/12,mb1mx3.7/23,mbtmp3.6/12,ML2.7/2,MS2.9/1,Ms1 3.1/1,ms1mx2.7/21, Error ellipse: s-maj=36.0km s-min=16.0km az=54.0

NDI 06 22:24:38.3,5.4,30.87N,86.55E,h33km,ML3.7,mb3.6(NEIC)

MOS 06 22:24:39.5,1.9,30.59N,86.22E,h33km,mb4,0/4, Error ellipse: s-maj=26.4km s-min=14.2km az=114.5

NEIC 06 22:24:44.4,2.7,30.44N,86.35E,h37km,2/7km,mb3.6/2, Error ellipse: s-maj=35.6km s-min=13.5km az=51.0

ISC 06 22:24:40.1,0.3,30.31N,0.08,86.10E,0.0,4,h43km,12km,n33,01500/39,mb3,6/13,1C,Xizang

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like LSA Lhasa, KLP Kaipa, KLP Kaipa, etc.

Code Station Name Az Phase ID Time Res h m s ISC

Main table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like ILAR, ILAR, ILAR, etc.

Code Station Name Az Phase ID Time Res h m s ISC

Main table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MSLP Maasin, SCPH Saigao, CGP Cagayan de Oro, etc.

BUJ 06 22:48:49.9,63.80N,147.04W,h10km,mb5.0,mb4.6,MS4.6,MS2.2

IDC 06 22:48:51.0,6.3,70N,147.88W,mb4,1/15,mb1 4.3/18,mb1mx4.2/24,mbtmp4.1/18,ML4.0/3,MS4.1/2,Ms1 4.1/2,ms1mx3.0/38, Error ellipse: s-maj=12.9km s-min=9.2km az=51.0

NEIC 06 22:48:52.7,63.60N,147.52W,h6km,mb4,3/12,ML4.4(PMR),ML4.0(AEIC),After AEIC.

ISC 06 22:48:51.6,0.2,63.65N,0.02,147.44W,0.4,h6km,n118,01510/132,mb4,2/28,MS4.0/4,3C-2D,Central Alaska

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MCK McKinley, MCK McKinley, RND Reindeer, etc.





Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Biscoitos, Angra Heroismo, Vila Nova, Ribeirinha, Pico das Favas, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ASAJ Asahikawa, ASAJ Eielson Array, ILAR, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ASAR, ILAR Eielson Array, YKA Yellowknife Arr, etc.

ICD 07 01:06:05.0-4.4, 22.29S-148.12E, mb1 3.6/4, mb1mx3.5/13, mbtmp3.4/4, ML3.4/4, Error ellipse: s-maj=43.4km s-min=22.3km az=77.0, Queensland

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CTA Charters Tower, CTA 4.5nm, 0.3s, baze=132, slow=17, SNR=26, etc.

ICD 07 01:21:51.4-2.0, 4.99N-94.90E, mb3.8/7, mb1 4.0/7, mb1mx3.8/20, mbtmp3.8/7, Error ellipse: s-maj=89.2km s-min=20.4km az=57.0, Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KULM Kuliim, CMAR Chiang Mai Arr, BJT Bajitjatuu, etc.

WEL 07 01:47:05.8-0.6, 35.63S-179.03E, h313km, 5km, ML3.5/5, Error ellipse: s-maj=26.9km s-min=14.5km az=90.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MXZ Matakaoa Point, PUZ Puketiti, MWZ Matawai, etc.

ISK 07 01:06:27.5, 38.71N-34.32E, h5km, MD3.6 CSEM 07 01:06:27.5, 38.71N-34.32E, h5km, MD3.6, After ISK

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like AVNT Avonos, AVNT Cicekdag, CDAG Cicekdag, BNN Bunyan, etc.

ICD 07 01:21:53.4-0.9, 4.9N-101.94E, h30km, n15, o093/16, mb4.1/11, Off west coast of northern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KULM Kuliim, CMAR Chiang Mai Arr, BJT Bajitjatuu, etc.

ICD 07 01:58:26.1-8.21, 24N-147.84E, mb3.8/3, mb1 4.2/3, mb1mx3.6/22, mbtmp3.8/3, Error ellipse: s-maj=167.8km s-min=29.8km az=116.0, Mariana Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, YKA Yellowknife Arr, NVAR Mina Array Bay, etc.

JMA 07 01:13:10.7-0.4, 43.61N-147.35E, h4km, 4km, M2.9, Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like NEM2 Nemuro 2, JRA Rausu, JAK Akkeshi, etc.

ICD 07 01:40:42.1-1.4, 29.20N-81.50E, mb3.8/9, mb1 4.0/10, mb1mx3.8/21, mbtmp3.8/10, ML4.0/1, Error ellipse: s-maj=47.7km s-min=21.0km az=61.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LGTI Lohaghat, PTH Pithoragarh, DDI Dehra Dun, etc.

ICD 07 02:07:10.7-0.8, 15.99N-92.92E, h26km, 6km, mb3.8/13, mb1 3.9/14, mb1mx3.8/22, mbtmp3.9/14, ML4.0/1, Error ellipse: s-maj=28.2km s-min=14.8km az=48.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CM31 Chiang Mai Arr, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.



Table with 5 columns: TXAR, Lajitas Array, 143.13 33 PKP, PKPdf, 02 33 41.7 -1.0

IDC 07 02:17:57.4,2.3, 0.17N,97.57E,mb4.2/7,mb1 4.3/8, mb1mx4.0/19,mbimp4.2/8,ML4.6/1, Error ellipse: s-maj=94.9km s-min=16.9km az=58.0

NEIC 07 02:18:02.4,0.8, 0.29N,97.74E,h30km,mb4.3/4, Error ellipse: s-maj=19.1km s-min=7.9km az=64.0

ISC 07 02:18:00.5,1.0,0.33N,10.978E,0.2,h30km,n16, c0568/16,mb4.3/11,Northern Sumatara

Table with 10 columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res

IDC 07 02:21:20.9,0.5, 1.22N,97.25E,mb4.8/24,mb1 4.9/25, mb1mx4.8/28,mbimp4.8/25,ML5.1/1,MS4.6/16,MS1 4.6/16, ms1mx4.4/27, Error ellipse: s-maj=17.0km s-min=12.4km az=39.0

BUI 07 02:21:23.1, 1.11N,97.38E,h27km,mb5.6,mb5.4,Ms5.3, Ms2.5

MOS 07 02:21:24.7,0.9, 1.24N,97.28E,h33km,mb5.4/56, MS4.6/12, Error ellipse: s-maj=10.4km s-min=5.4km az=112.1

NEIC 07 02:21:24.9,0.2, 1.20N,97.24E,mb5.2/64,MS4.6/20, Error ellipse: s-maj=5.5km s-min=4.4km az=204.0

HRVD 07 02:21:25.0,0.6, 1.09N,96.98E,h23km,MB5.0/44, Centroid moment Tensor Solution. LP body waves: s29,c49,Mantle waves: s44,c69; Half duration: 0 Moment tensor: Scale 10^18Nm; Mr:2.78;2.20; Ms:0.90;1.2; Mw:1.88;1.6; Ma:2.3;2.2; Mb:1.95;1.0; M:1.7;5.3;2.6; Best double couple: Mo:4.123x10^19 NP1:0.338;0.327; 1.16; NP2:0.129;0.866;1.78; Principal axes: T:3.895, P:9.67; Azm177; N:45; P:11; Azm134; P:4.35; P:20; Azm229; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

CSEM 07 02:21:25.6, 1.42N,97.60E,h33km,mb5.5 DJA 07 02:21:35.2,0.7, 2.49N,100.54E,h80km,MD5.0/1, ML5.6/1, Error ellipse: s-maj=35.1km s-min=9.0km az=34.0

ISC 07 02:21:23.4,0.2, 1.19N,10.03,97.27E,0.03,h25km, h25km,9km;p-P,n281,c0598/282,mb5.1/110,MS4.8/55, 23C-6D,Northern Sumatara

Table with 10 columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res

Main table with 10 columns: Station Name, Delta, Azimuth, Phase ID, Time, Res

Table with 10 columns: Station Name, Delta, Azimuth, Phase ID, Time, Res







Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries for OJC, CTKT, KSP, KOLS, etc.

IDC 07 02:55:14.0, 1.8, 0.76N-97.06E, h25km±6km, mb3.9/6, mb1 4.0/7, mb1mx3.8/16, mbtmp4.0/7, ML4.5/1, Error ellipse: s-maj=79.3km s-min=20.0km az=61.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries for KULM, CMAR, KKM, etc.

IGQ 07 02:58:11.4, 1.19S-80.77W, h44km±3km, mb4.0, Error ellipse: s-maj=5.5km s-min=2.2km az=20.1, Near coast of Ecuador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries for JAMA, MAGD, ARRY, etc.

IDC 07 02:59:45.8±1.3, 7.48S-130.27E, mb4.0/3, mb1 4.1/6, mb1mx3.9/15, mbtmp4.0/6, ML3.8/3, Error ellipse: s-maj=68.4km s-min=21.2km az=71.0

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

IDC 07 03:02:42.2±9.3, 1.54N-97.05E, mb4.0/3, mb1 4.2/4, mb1mx3.7/18, mbtmp4.0/4, ML4.3/1, Error ellipse: s-maj=189.9km s-min=120.5km az=141.0, Northern Sumatera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries for CMAR, SONM, MKAR, etc.

BUI 07 03:03:04.5, 0.78N-97.35E, h36km, mb5.1, mb4.9, Ms4.7, Ms2.5

IDC 07 03:03:05.9±0.7, 0.95N-97.03E, h23km±4km, mb4.1/17, mb1 4.2/18, mb1mx4.1/23, mbtmp4.2/18, ML4.5/1, MS3.8/1, Ms1 3.8/1, ms1x3.0/25, Error ellipse: s-maj=23.9km s-min=12.3km az=49.0

MOS 07 03:03:06.3±0.9, 1.09N-97.04E, h33km, mb4.9/10, Error ellipse: s-maj=28.6km s-min=10.6km az=94.3

NEIC 07 03:03:06.0±0.4, 0.98N-97.16E, mb4.7/14, Error ellipse: s-maj=103.0km s-min=7.0km az=56.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries for KULM, SNG, CMAR, etc.

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

NEIC 07 03:20:40.0±0.6, 4.86N-95.97E, h30km, mb4.5/3, Error ellipse: s-maj=20.0km s-min=9.7km az=55.0

IDC 07 03:20:47.8±2.5, 1.7N-96.39E, h92km±67km, mb3.8/13, mb1 3.9/14, mb1mx3.8/20, mbtmp4.1/14, ML4.2/1, Error ellipse: s-maj=13.3km s-min=12.3km az=53.0

IDC 07 03:29:22.0±0.5, 4.95N-100.99-96.14E, h30km, n24, e1918/25, mb4.1/13, 1C-3D, Northern Sumatera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries for KULM, CMAR, HYB, etc.



IGQ 07 03:48:29.3, 2.645, 80.97W, h12km, 11km, mb4.3, 9C-6D, Error ellipse: s-maj=12.6km s-min=5.5km az=162.7

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Sali, Hoya, JAMA, IGUA, etc.

IDC 07 04:00:22.7, 6.8, 21.765, 179.88W, h606km, 87km, mb3.3/7, mb1 3.6/7, mb1mx3.5/14, mbtmp4.2/7, Error ellipse: s-maj=97.6km s-min=31.8km az=161.0

ISC 07 04:00:21.0-1.4, 21.8S, 0.6, 179.9W, h3.0, h600km, n15, 0.45/11, mb3.9/8, 2D, Fiji Islands region

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

NEIC 07 04:11:55.6, 0.8, 3.61S, 138.36E, h35km, mb4.5/2, Error ellipse: s-maj=19.4km s-min=16.1km az=81.0

IDC 07 04:11:57.4, 3.4, 3.52S, 138.20E, h47km, 33km, mb3.8/5, mb1 4.1/8, mb1mx4.0/15, mbtmp4.3/8, ML4.1/3, MS3.5/1, Ms1 3.5/1, ms1mx2.8/25, Error ellipse: s-maj=33.3km s-min=1.2km az=94.0

ISC 07 04:11:54.3, 0.8, 3.71S, 0.09, 137.9E, 0.1, h33km, n18, 0.1934/20, mb3.8/4, 1D, Irian Jaya

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

IDC 07 04:12:03.5, 3.1, 15N, 97.12E, mb4.2/8, mb1 4.4/9, mb1mx4.1/20, mbtmp4.2/9, ML4.5/1, MS3.5/2, Ms1 3.6/2, ms1mx3.1/20, Error ellipse: s-maj=133.8km s-min=48.0km az=132.0

BUJ 07 04:12:07.0, 1.1, 19N, 97.37E, h36km, mb5.5, mb4.9, Error ellipse: s-maj=22.7km s-min=10.7km az=159.0

ISC 07 04:12:09.9, 3.5, 1.5N, 0.2, 97.1E, 0.1, h40km, 27km, n31, 0.080/31, mb4.5/23, MS3.4/1, 1C, Northern Sumatara

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

comp=Z, 22nm, 1.0s, mb4.5

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

IDC 07 04:21:00.3, 5.9, 5.48S, 151.89E, h62km, 50km, mb3.9/7, mb1 4.1/8, mb1mx3.9/18, mbtmp4.2/8, ML3.3/1, MS3.6/1, Ms1 3.6/1, ms1mx2.9/18, Error ellipse: s-maj=56.0km s-min=28.2km az=119.0

ISC 07 04:20:56.9, 1.4, 5.35S, 0.2, 151.7E, 0.3, h33km, n12, 0.1902/12, mb4.1/7, MS3.5/1, 1D, New Britain region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like PMG, WB2, WRA, etc.

IDC 07 04:21:57.2, 2.3, 2.21N, 95.81E, mb3.9/6, mb1 4.0/7, mb1mx3.8/20, mbtmp3.9/7, ML4.2/1, Error ellipse: s-maj=94.2km s-min=20.5km az=59.0

NEIC 07 04:22:03.1, 1.1, 2.56N, 96.32E, h30km, mb4.5/4, Error ellipse: s-maj=27.0km s-min=16.0km az=46.0

ISC 07 04:22:01.5, 1.0, 2.46S, 1.1, 96.2E, 0.1, h30km, n14, 0.1837/14, mb4.0/10, Northern Sumatara

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

IDC 07 05:00:05.6, 0.8, 7.71S, 119.05E, mb3.9/6, mb1 4.4/9, mb1mx4.2/20, mbtmp4.3/9, ML4.1/2, MS3.3/2, Ms1 3.4/2, ms1mx3.0/24, Error ellipse: s-maj=52.5km s-min=15.7km az=64.0

NEIC 07 05:00:10.4, 0.5, 7.76S, 119.11E, h35km, mb4.5/7, Error ellipse: s-maj=19.0km s-min=8.2km az=60.0

DJA 07 05:00:14.2, 0.7, 7.46S, 119.54E, h33km, 16km, MD4.7/4, ML4.7/3, Error ellipse: s-maj=31.4km s-min=4.7km az=138.0

ISC 07 05:00:09.3, 0.8, 7.88S, 0.05, 118.96E, 0.06, h46km, 10km, n33, 0.137/36, mb4.2/12, MS3.3/1, 4C-4D, Flores Sea

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

0.9nm, 0.3s, baz=180, slow=19, SNR=3.8

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

IDC 07 05:33:54.4, 0.5, 4.1, 95S, 83.86W, mb4.7/17, mb1 4.7/19, mb1mx4.6/22, mbtmp4.6/19, ML3.7/2, MS4.6/18, Ms1 4.6/18, ms1mx4.6/19, Error ellipse: s-maj=20.8km s-min=15.2km az=92.0

HRVD 07 05:33:55.0, 2.1, 4.1, 89S, 84.04W, h12km, MW5.3/72, Centroid moment tensor solution. LP body waves: s7, c136, Hz; Half duration: 1s1 Moment tensor: Scale 10^17Nm; Mr=1.00t, 0.02; Mw=0.05t, 0.02; M0=1.05t, 0.02; M1=0.09t, 0.06; M2=0.18t, 0.02; M3=0.05t, 0.05; Best double couple: Mo=1.046x10^17 NP1: 0.345, 0.44, 0.99; NP2: 0.177, 0.46, 0.81; Principal axes: T 1.081, P1g1, Azm2161; N -0.67, P1g6, Azm351; P -1.012, P1g84, Azm162; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s.

BUJ 07 05:33:55.5, 4.1, 90S, 83.30W, h10km, mb5.7, Ms5.1, az=72.0

NEIC 07 05:33:55.0, 2.1, 4.1, 93S, 83.30W, h10km, mb5.4/68, MS4.7/78, Error ellipse: s-maj=11.9km s-min=6.9km az=72.0

ISC 07 05:33:54.8, 0.3, 4.1, 85S, 0.05, 83.57W, 0.09, h10km, (h14km, 8km, p-P), n231, 0.1927/21, mb5.2/80, MS4.7/90, 9C, West Chile Rise

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

comp=Z, 4um, 18.0s

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

comp=Z, 2um, 20.8s, MS4.6, baz=216, slow=31

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

comp=Z, 2um, 20.8s, MS4.6, baz=216, slow=31

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



Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SNA, SDV, JTS, SBA, VNA, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BLO, PFO, WUO, WUAZ, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like IMW, WYR, EYMN, etc.







Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like GZHZ, JIRN, PKNI, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like ULN, ZAK, CN2, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MPMH, PVCP, AUQP, etc.



Table with columns: STKA, Stephens Creek, 38.27 241 eP, P, 09 08 15.4 -0.4, etc.

BUJ 07 09:04:32.7, 0.465x99.11E, h30km, mb5.2, mb4.7, Ms4.4, Ms24.2

NEIC 07 09:04:38.4, 0.5, 0.21N-98.83E, h30km, mb4.9, Error ellipse: s-maj=17.5km s-min=9.2km az=66.0

ISC 07 09:04:37.6, 0.6, 0.25N, 0.07, 98.9E, 0.1, h33km, n34, +19J/33, mb4.5/20, MS3.8/5, 1C, Northern Sumatra

Main table of station data for the 267 section, including columns for Code, Station Name, Az, Az', Phase ID, Time, Res, etc.

LDG 07 09:16:40.6, 0.1, 46.81N, 2.34W, h6km, Md2.4/1, Ml2.5/7, Error ellipse: s-maj=1.7km s-min=0.9km az=53.0

CSEM 07 09:16:40.9, 0.1, 46.83N, 2.34W, h10km, ML2.5/7, Error ellipse: s-maj=2.5km s-min=1.3km az=55.0

ISC 07 09:16:39.9, 0.8, 46.90N, 0.03, 2.27W, h14km, 5km, n12, c094/25, Bay of Biscay

Table of station data for the 267 section, including columns for Code, Station Name, Az, Az', Phase ID, Time, Res, etc.

Table of station data for the 2005 APR section, including columns for GRR, Gorron, 1.77 32 ePn, Pn, 09 17 11.0 +0.6, etc.

NEIC 07 09:16:40.5, 1.1, 20.62S, 178.86W, h579km, 12km, mb4.1/7, Error ellipse: s-maj=26.0km s-min=9.0km az=149.0

ISC 07 09:16:43.1, 1.5, 20.85S, 0.1, 178.94W, 0.09, h627km, 20km, n34, c094/35, mb3.8/15, 2D, Fiji Islands region

Main table of station data for the 2005 APR section, including columns for Code, Station Name, Az, Az', Phase ID, Time, Res, etc.

MAN 07 09:16:51.2, 11.12N, 126.20E, h25km, mb4.0, ML2.8, MS2.4, 1C, Philippine Islands region

Table of station data for the 2005 APR section, including columns for Code, Station Name, Az, Az', Phase ID, Time, Res, etc.

ISC 07 09:53:45.6, 1.6, 15.96S, 178.31W, mb3.9/5, mb1.4/2.5, mb1mx3.9/1.6, mbtmp3.9/5, Error ellipse: s-maj=126.5km s-min=25.2km az=151.0, Fiji Islands region

Table of station data for the 2005 APR section, including columns for Code, Station Name, Az, Az', Phase ID, Time, Res, etc.

WEL 07 10:07:26.9, 0.1, 37.88S, 176.72E, h5km, ML3.7/9, 5C-1D, Error ellipse: s-maj=0.7km s-min=0.6km az=0.0, North Island

Table of station data for the 2005 APR section, including columns for Code, Station Name, Az, Az', Phase ID, Time, Res, etc.

Table of station data for the 7d 10h section, including columns for TUVZ, Tukino, 1.62 211 eP, Pn, 10 07 56.3 -0.7, etc.

CASC 07 10:37:01.3, 1.4, 13.71N, 91.17W, h17km, 8km, MD3.5, 2D, Near coast of Guatemala

Table of station data for the 7d 10h section, including columns for Code, Station Name, Az, Az', Phase ID, Time, Res, etc.

NEIC 07 10:49:20.6, 16.20N, 93.83W, h101km, MD4.0(MEX), After MEX

MEX 07 10:49:20.6, 0.6, 16.21N, 93.83W, h102km, 19km, MD4.0, 1C-1D, Chiapas

Table of station data for the 7d 10h section, including columns for Code, Station Name, Az, Az', Phase ID, Time, Res, etc.

TRN 07 10:50:31.8, 19.73N, 62.50W, h67km, MD3.8, NEIC 07 10:50:32.6, 19.49N, 62.55W, h10km, MD3.8(TRN), After TRN

ISC 07 10:50:32.2, 1.1, 19.73N, 62.71W, h38km, 6km, mb3.7/11, mb1.4/0.12, mb1mx3.8/2.3, mbtmp3.9/12, ML3.4/1, MS3.1/2, Ms1.3/2.2, ms1mx2.6/2.5, Error ellipse: s-maj=25.3km s-min=22.0km az=85.0

ISC 07 10:50:32.2, 1.9, 16.68N, 0.04, 62.71W, 0.09, h25km, 18km, h33km, n1, 1km, pP-P, n30, c090/37, mb4.0/1.3, MS3.0/2, 1C, Leeward Islands

Main table of station data for the 7d 10h section, including columns for Code, Station Name, Az, Az', Phase ID, Time, Res, etc.

MAN 07 09:16:51.2, 11.12N, 126.20E, h25km, mb4.0, ML2.8, MS2.4, 1C, Philippine Islands region

Table of station data for the 7d 10h section, including columns for Code, Station Name, Az, Az', Phase ID, Time, Res, etc.

ISC 07 09:53:45.6, 1.6, 15.96S, 178.31W, mb3.9/5, mb1.4/2.5, mb1mx3.9/1.6, mbtmp3.9/5, Error ellipse: s-maj=126.5km s-min=25.2km az=151.0, Fiji Islands region

Table of station data for the 7d 10h section, including columns for Code, Station Name, Az, Az', Phase ID, Time, Res, etc.

WEL 07 10:07:26.9, 0.1, 37.88S, 176.72E, h5km, ML3.7/9, 5C-1D, Error ellipse: s-maj=0.7km s-min=0.6km az=0.0, North Island

ISC 07 10:53:59.0, 1.3, 15.26S, 174.51W, h214km, 18km, mb3.6/5, mb1.3/9.6, mb1mx3.5/1.7, mbtmp4.2/6, Error ellipse: s-maj=76.2km s-min=17.0km az=150.0

ISC 07 10:53:58.0, 1.4, 15.25S, 0.6, 174.6W, 0.4, h214km, 23km, n8, c050/9, mb3.7/5, Tonga Islands

Table of station data for the 7d 10h section, including columns for Code, Station Name, Az, Az', Phase ID, Time, Res, etc.











EPF	Esparros	94.83	313	eP	P	11 59 23.6	-0.9
GRR	Gorron	95.11	319	eP	P	11 59 24.9	-0.7
DAG	Danmarks Havn	95.25	348	iP	P	11 59 25.2	-0.5
DAG	comp=Z,31nm,1.3s,mb5.6			pmax	pmax		
DAG	comp=N,2um,20.0s,M55.6			MLR	MLR		
DAG	comp=Z,3um,20.0s,M55.7			MLR	MLR		
DAG	comp=E,1um,18.0s,M55.6						
DAG	Danmarks Havn	95.25	348	iP	P	11 59 25.2	-0.5
DAG	comp=E,31nm,1.3s,mb5.6			LR	LR		
DAG	comp=Z,3um,20.0s,M55.7			LR	LR		
DAG	Danmarks Havn	95.25	348	iP	P	11 59 25.2	-0.5
DAG	comp=Z,31nm,1.3s,mb5.6						
DAG	comp=Z,3um,20.0s						
ETSF	Etsaut	95.50	313	eP	P	11 59 27.4	-0.1
ESK	Eskdalemuir	95.60	326	PFAKE	LR	11 59 40.0	+1.2
ESK	comp=Z,740nm,19.0s,M55.2						
SJPF	Ste Jean	95.96	313	eP	P	11 59 29.4	-0.3
QUIF	Quistin	96.70	318	eP	P	11 59 32.0	-0.9
QUF	comp=Z,111nm,1.5s,mb5.8						
IMA	Indian Moutai	97.04	23	P	P	11 59 35.0	+1.0
IMA	comp=Z,140nm,1.3s,mb5.2			pmax	pmax		
IMA	Indian Moutai	97.04	23	eP	P	11 59 35.8	+1.8
IMA	comp=Z,5.5nm,0.9s,mb5.0						
ESDC	Sonsecra Array	98.43	310	P	P	11 59 39.7	-1.2
ESDC	comp=Z,0.2nm,0.3s,baz=65,slow=4.8,SNR=3.6						
ESDC	comp=Z,0.3nm,0.3s,baz=124,slow=9.3,SNR=2.9						
ESLA	Sonsecra Array	98.43	310	PFAKE	LR	11 59 50.0	+9.1
ESLA	comp=Z,5um,21.0s,M56.0						
MCK	McKinley	99.73	24	eP	P	11 59 52.8	+6.6
MCK	comp=Z,9.0nm,1.3s,mb5.0			pmax	pmax		
MCK	McKinley	99.73	24	P	P	11 59 43.5	-2.7
MCK	comp=Z,13nm,1.3s,mb5.2						
MCK	comp=Z,2um,19.0s,M55.6			LR	LR		
COLA	College	99.73	23	iP	P	11 59 44.7	-1.5
COLA	College	99.73	23	PFAKE	LR	12 00 00.0	+1.4
COLA	comp=Z,2um,19.0s,M55.7						
FIB	Fire Island	100.11	27	PFAKE	LR	12 00 00.0	+1.2
FIB	comp=Z,3um,20.0s,M55.8						
ILAR	Eielson Array	100.15	23	P	P	11 59 47.1	-1.0
ILAR	comp=Z,0.3nm,0.9s,baz=309,slow=5.8,SNR=3.4						
ILAR	comp=Z,0.9nm,0.8s,baz=293,slow=6.7,SNR=5.5			PKP	PKP	12 03 48.6	-7.8
ILAR	comp=Z,0.9nm,0.8s,baz=293,slow=6.7,SNR=5.5			PKKPbc	PKKPbc	12 16 05.5	
BORG	Borgarnes	101.39	337	PFAKE	LR	12 21 00.0	+6.3
BORG	comp=Z,577nm,19.0s,M55.1						
DIV	Divide	102.10	26	PFAKE	LR	12 00 10.0	+1.3
DIV	comp=Z,7um,22.0s,M56.0						
DBIC	Dimbokro	102.17	277	PFAKE	LR	12 00 10.0	+1.2
DBIC	comp=Z,1um,19.0s,M55.5						
INK	Inuvik	102.98	17	P	Pdf	12 00 00.5	-0.2
INK	comp=Z,1.0nm,0.9s,baz=2.9,slow=5.4,SNR=3.8			PKP	PKP	12 04 20.7	
INK	comp=Z,2.2nm,0.8s,baz=319,slow=5.4,SNR=6.4			PKKPbc	PKKPbc	12 15 56.4	
INK	comp=Z,0.8nm,0.7s,baz=98,slow=5.4,SNR=6.1			PFAKE	LR	12 04 40.0	
SIT	Sitka	108.77	27	PFAKE	LR	12 00 31.4	-1.6
SIT	comp=Z,2um,20.0s,M55.8						
DLBC	Dease Lake	110.28	24	Pdf	Pdf	12 00 34.7	-1.6
DLBC	comp=Z,1.1nm,0.8s,baz=320,slow=2.1,SNR=3.3						
DLBC	Dease Lake	110.28	24	Pdf	Pdf	12 00 31.4	-1.6
DLBC	comp=Z,1.4nm,0.9s,baz=151,slow=9.5,SNR=4.1						
DLBC	Tubuai	111.35	115	eP	PKP	12 04 34.7	-2.7
TBI	comp=Z,0.7nm,0.7s,baz=145,slow=3.3,SNR=2.7			eSS	SS	12 05 23.2	+2.5
TBI	comp=Z,3um,23.5s			eLR	LR	12 37 42.8	
PPT	Papeete	112.03	109	eP	PP	12 05 25.0	-0.5
PPT	comp=Z,3um,24.2s			eLR	LR	12 05 38.0	-0.7
YKA	Yellowknife Ar	112.61	15	Pdf	Pdf	12 00 48.3	+5.2
YKA	comp=Z,0.2nm,0.9s,baz=307,slow=3.1,SNR=3.9			PKP	PKP	12 04 38.9	
YKA	comp=Z,0.8nm,0.7s,baz=326,slow=2.1,SNR=1.4			PP	PP	12 05 23.0	-6.1
YKA	comp=Z,0.9nm,0.8s,baz=334,slow=7.4,SNR=3.7			PKKPbc	PKKPbc	12 15 26.8	
YKA	Yellowknife Ar	112.61	15	Pdf	Pdf	12 00 48.3	+5.2
YKA	comp=Z,0.7nm,0.7s,baz=145,slow=3.3,SNR=2.7			PKP	PKP	12 04 38.9	-2.9
YKA	comp=Z,0.7nm,0.7s,baz=145,slow=3.3,SNR=2.7			PKP	PKP	12 05 23.0	-6.1
YKA	comp=Z,0.7nm,0.7s,baz=145,slow=3.3,SNR=2.7			PKKPbc	PKKPbc	12 15 26.8	
PMSA	Palmer Station	114.56	189	PFAKE	LR	12 04 50.0	+4.4
PMSA	comp=Z,4um,20.0s,M56.1						
FCC	Fort Churchill	120.12	7	PKIP	PKP	12 04 52.5	-4.0
FCC	Fort Churchill	120.12	7	eP	PKP	12 04 51.4	-5.2
FCC	comp=Z,0.2nm,0.9s,baz=307,slow=3.1,SNR=3.9			eP	PKP	12 06 07.7	-1.4
EDM	Edmonton	120.55	21	PKIP	PKP	12 04 54.2	-3.3
EDM	Edmonton	120.55	21	eP	PKP	12 04 53.4	-4.1
TAOE	Nuku Hiva Isla	122.06	10	eLR	LR	12 42 41.3	
COR	Corvallis	122.27	34	PFAKE	LR	12 05 10.0	+8.9
COR	comp=Z,445nm,20.0s,M55.1						
FFC	Flin Flon	122.59	13	PKIP	PKP	12 04 57.7	-3.7
FFC	Flin Flon	122.59	13	eP	PKP	12 04 57.0	-4.4
FFC	comp=Z,0.2nm,0.9s,baz=307,slow=3.1,SNR=3.9			eP	PKP	12 06 30.2	-8.4
FFC	comp=Z,525nm,20.0s,M55.2			LR	LR	12 05 10.0	+7.9
NEW	Newport	122.85	27	PFAKE	LR	12 05 10.0	+7.9
NEW	comp=Z,2um,19.0s,M55.8						
HAWA	Hanford	123.05	30	eP	PKP	12 04 59.0	-3.5
HAWA	comp=Z,118nm,20.0s						
SCHQ	Schefferville	123.28	349	PKP	PKP	12 04 57.9	-4.9
SCHQ	comp=Z,2.7nm,0.7s,baz=327,slow=1.3,SNR=8.6			PP	PP	12 06 38.6	-4.7
SCHQ	comp=Z,12nm,1.2s,baz=353,slow=6.3,SNR=3.7			PKP	PKP	12 04 57.9	-4.9
SCHQ	Schefferville	123.28	349	PKP	PKP	12 06 38.6	-4.7
SCHQ	comp=Z,2um,20.0s,M55.7			LR	LR	12 06 38.6	-4.7
WALA	Waterton Lakes	123.63	24	eP	PKP	12 05 00.4	-3.2
HUMO	Huil Mountain	123.72	35	eP	PKP	12 05 01.4	-2.6
HUMO	comp=Z,1um,21.0s,M55.5						
YBH	Yreka Blue Hor	124.41	36	PFAKE	LR	12 05 10.0	+4.7
YBH	comp=Z,2um,20.0s,M55.7						
RKT	Rikitea	124.41	118	eP	PP	12 06 41.0	-1.1
RKT	comp=Z,2um,20.0s,M55.7			eS	SS	12 16 35.6	-7.3
RKT	comp=Z,2um,20.0s,M55.7			eS	SS	12 23 47.5	+8.2
RKT	comp=Z,2um,26.5s			eLR	LR	12 43 45.1	
WDC	Whiskeytown Da	125.22	37	PFAKE	LR	12 05 20.0	+1.3
WDC	comp=Z,1um,21.0s,M55.6						
BMO	Blue Mountains	125.24	30	PFAKE	LR	12 05 20.0	+1.3
BMO	comp=Z,2um,21.0s,M55.7						
MSO	Missoula	125.35	26	eP	PKP	12 05 02.9	-4.1
MSO	comp=Z,1um,19.0s,M55.6						
CHMT	Chamberlain Mo	125.58	26	eP	PKP	12 05 02.6	-4.8
MOD	Modoc	125.68	34	eP	PKP	12 05 04.2	-3.6
MOD	comp=Z,1um,21.0s,M55.5						
HOPS	Hopland	125.86	39	PFAKE	LR	12 05 20.0	+1.2
HOPS	comp=Z,2um,20.0s,M55.5						
WVOR	Wild Horse Val	126.24	33	PKIP	PKP	12 05 06.2	-2.6
WVOR	Wild Horse Val	126.24	33	eP	PKP	12 05 06.1	-2.7
WVOR	comp=Z,2um,22.0s,M55.7						

HRY	Holter Researc	126.35	25	eP	PKP	12 05 06.2	-2.7
BOZ	Bozeman (W)	127.28	25	PKIP	PKP	12 05 08.0	-2.7
BOZ	Bozeman (W)	127.28	25	eP	PKP	12 05 07.7	-3.0
BOZ	comp=Z,3um,19.0s,M56.0			eP	PKP	12 07 13.8	+4.2
MCMT	McKenzie Canyo	127.38	27	eP	PKP	12 05 00.3	
MCMT	HLID	127.61	29	eP	PKP	12 05 07.4	-3.6
HLID	Hailey	127.61	29	eP	PKP	12 05 09.0	-2.5
GCMT	Greycliff	127.98	24	eP	PKP	12 05 08.9	-3.3
QCMT	Earthquake Lak	128.01	26	eP	PKP	12 05 10.6	-1.6
QCMT	PTCN	128.03	122	PFAKE	LR	12 05 13.1	-1.7
PTCN	Pitcairn Islan	128.03	122	PFAKE	LR	12 05 20.0	+7.2
ULM	Lac du Bonnet	128.08	11	PKP	PKP	12 05 07.5	-4.7
ULM	Lac du Bonnet	128.08	11	eP	PKP	12 05 06.2	-6.0
ULM	comp=Z,3um,20.0s,M56.0						
CMB	Columbia Colle	128.11	38	PFAKE	LR	12 05 20.0	+7.4
CMB	comp=Z,1um,19.0s,M55.6						
SAO	San Andres Ge	128.22	40	PFAKE	LR	12 05 20.0	+7.1
SAO	comp=Z,989nm,20.0s,M55.5						
YMR	Madison River	128.34	26	eP	PKP	12 05 11.4	-1.5
BMN	Battle Moutai	128.39	34	eP	PKP	12 05 12.7	-0.4
BMN	Battle Moutai	128.39	34	eP	PKP	12 05 10.2	-2.9
YNR	Norris Junctio	128.42	25	P	PKP	12 05 10.6	-2.4
YNR	LASA Array	128.53	21	eP	PKP	12 05 17.0	
LAO	LASA Array	128.53	21	eP	PKP	12 05 09.5	-3.6
YFT	Old Faithful	128.57	26	eP	PKP	12 05 11.9	-1.4
YFT	LKWY Lake	128.66	25	eP	PKP	12 05 18.6	
LKWY	Lake	128.66	25	eP	PKP	12 05 13.2	-0.3
LKWY	Lake	128.66	25	eP	PKP	12 05 11.1	-2.4
LKWY	Lake	128.66	25	eP	PKP	12 05 18.4	
LKWY	Lake	128.66	25	eP	PKP	12 07 22.3	+2.9
LRV	Little Rabbit	128.70	40	eP	PKP	12 05 13.5	-0.3
NVAR	Mina Array	129.12	36	PKP	PKP	12 05 11.3	-3.2
NVAR	Mina	129.20	36	eP	PKP	12 05	







IDC 07 14:01:52.6;1.6, 23.31S;175.52W, mb4.2/5, mb1 4.4/6, mb1mx4.1/18, mbtmp4.2/6, ML4.1/1, MS4.0/9, Ms1 4.0/9, ms1mx3.7/28, Error ellipse: s-maj=66.8km s-min=27.5km az=144.0

NEIC 07 14:01:28.6;2.6, 24.44S;176.52W, h279km, 27km, mb4.5/8, Error ellipse: s-maj=32.2km s-min=22.1km az=165.0

ISC 07 14:01:03.6;0.9, 23.65E, 0.1x175.5W, 0.2, h100km, n3, r1516/16, mb4.3/8, Tonga Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like RAO Raoul Island, AFI Afiamalu, RAR Rarotonga, URZ Urewera, TBI Tubuai, PPT Papeete, HNR Honiara, CTA Charters Tower, CTAO Charters Tower, STKA Stephens Creek, STKA Stephens Creek, ASAR Alice Springs, FITZ Fitzroy Crossi, OSPA South Pole Qui, NVAR Mina Array Bea, PLCA Paso Flores, TXAR Lajitas Array, ANMO Albuqueque, PDAR Pinedale Array, SDHC Great Sand Dun, ENH Enshi, WALA Waterlon Lakes, ILAR Eielson Array, BILL Bilibino, CMAR Chiang Mai Arr, RSSD Black Hills, LPAZ La Paz, MBAR Mbarara, AKASG Malin Array Be, AKASG Malin Array B, BKTR Keskin Array B.

IDC 07 14:03:59.8;3.0, 6.02S;151.27E, h32km, 20km, mb4.0/12, mb1 4.2/13, mb1mx4.1/18, mbtmp4.2/13, ML3.1/1, MS3.3/2, Ms1 3.3/2, ms1mx3.2/26, Error ellipse: s-maj=24.0km s-min=16.2km az=120.0

NEIC 07 14:04:00.9;1.4, 5.99S;151.42E, h48km, 13km, mb4.6/5, Error ellipse: s-maj=13.0km s-min=8.3km az=153.0

ISC 07 14:04:00.2;2.2, 6.02S;10.1N;151.16E, 0.08, h52km, 20km, n30, r1504/29, mb4.2/17, New Britain region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PMG Port Moresby, PMG Port Moresby, PMG Port Moresby, HNR Honiara, HNR Honiara, HNR Charters Tower, WRAB Tennant Creek, WBA Warramunga Arr, WBA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, DZM Mont Dzumac, ASAR Alice Springs, ASAR Alice Springs, STKA Stephens Creek, FITZ Fitzroy Crossi, MBWA Marble Bay, YHNB Yeheng, SONM Songoing Array, VVND Vanda, MKAR Makanchi Array, MKAR Makanchi Array, MKAR McKinley Arr, COLA College, ILAR Eielson Array, OSPA South Pole Qui, INK Inuvik, NVAR Mina Array Bea, YKA Yellowknife Ar, GERES GERES Array B, BDFB Brasilia.

mb1mx3.9/16, mbtmp4.0/4, Error ellipse: s-maj=265.7km s-min=88.8km az=143.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CTA Charters Tower, ASAR Alice Springs, WB2 Warramunga Arr, WRA Warramunga Arr, CMAR Chiang Mai Arr.

IDC 07 14:16:01.3;8.8, 1.04N;97.49E, mb3.9/3, mb1 3.9/4, mb1mx3.8/19, mbtmp3.8/4, ML3.6/1, MS4.0/1, Ms1 4.0/1, s-min=118.6km az=134.0, Northern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, SONM Songoing Array, MKAR Makanchi Array, JHJ Hachijo jima 2, ZAL Zalesovo.

HLW 07 14:26:49.2, 34.89N;33.74E, h33km, Mb3.7, ISK 14:26:50.0, 34.38N;33.72E, h32km, MD3.7, GRAL 07 14:26:51.9, 32.34, 45N;33.29E, h18km, 45km, MD3.7, CSEM 07 14:26:51.1, 0.1, 34.70N;33.38E, h60km, Mw3.1, Error ellipse: s-maj=2.9km s-min=1.3km az=47.0

NIC 07 14:26:54.5;0.2, 34.77N;33.24E, h10km, ML3.7, MW3.2, NIC Felt earthquake; Maximum Intensity: 3; Felt I-III at Limassol.

NEIC 07 14:26:54.5; 34.77N;33.24E, h10km, ML3.7(NIC), After NIC.

NEIC Felt [III] at Limassol, Felt in other parts of central Cyprus. Gill 07 14:26:55.0; 0.4, 34.49N;33.37E, h25km, 30km, ML3.1/6, Mw3.1/5

SNSN 07 14:27:00.6, 33.63N;32.18E, h168km, ML3.2, ISC 07 14:26:50.5; 0.2, 34.53N;0.02; 33.37E; 0.03, h10km, n82, r1504/119, 14C-12D, Cyprus region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CSS Prodhromos, CSS Prodhromos, CSS Prodhromos, SZAC Souini-Zanaja, SZAC Souini-Zanaja, SZAC Souini-Zanaja, MAMC Mammari, LEF Lefka, PHNC Paralimni, PHNC Paralimni, PHNC Paralimni, PHNC Paralimni, ALFC Alevega, ALFC Alevega, ALFC Alevega, PPHY Paphos, PPHY Paphos, PPHY Paphos, PPHY Paphos, AKMC Akamas, MATL Matirih, BHL Bhannes, BHL Bhanes, HNTI Hanita, HNTI Hanita, MEST Erdemli, MEST Erdemli, HWQ Hawqa, KSDI Kefar Szold, KSDI Kefar Szold, OFRI Ofer, HDMB Hadim, KSHT Keshet, SLTI Safit, MMLI Mount Malkishu, HTY Hatay, QRNJ Al-Qirein, QRNJ Al-Qirein, COBT Iskenderun, COBT Iskenderun, DRGI Dragot, MASJ El Maslubiya, MASJ El Maslubiya, MASJ Maslubiya, MKRJ Makawir, MZDA Masada, MZDA Masada, RTMM Retamin, KZIT Kziot, KZIT Kziot, MASH Mash'abbe Sade, LISJ El Lisan, LISJ El Lisan, LISJ El Lisan, AMAG Maghara, AMAG Maghara, FETY Fethiye, GOLH Gohlisrah, PRNI Paran, PRNI Paran, AVNT Avonos, AVNT Avonos, DALT Dalyan (Mudia), KMIT Kmit, HNKL Nakhl, HNKL Nakhl, HHAG Hagoal, HHAG Hagoal, SUZ Suz, KOT Kottamia, KOT Kottamia, KOT Kottamia, MBH Mount Berech, SOR Sor, SOR Sor, EIL Elat, HSAF As Saff, HSAF As Saff, GLL Jalalah, GLL Jalalah, GLL Jalalah, GLL Jalalah, GLL Jalalah.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ZNM ZNM, ZAF ZAF, ZAF ZAF, ZAF ZAF, ZAF ZAF, HNAT Natroun, BODT Bodrum, JMOS Jabal al Moall, JMOS Jabal al Moall, HAQS Haql, HDHB Dhahab, HDHB Dhahab, HKAT Jabal Katrina, HKAT Jabal Katrina, BDAS Al Bad', GRB Garbi, GRB Garbi, TRI TRI, AYUS 'Ayunah, HHRG Al Ghardaqah.

IDC 07 14:34:41.9;3.2, 17.06S;66.79E, mb3.8/7, mb3.8/7, mb1 4.0/7, mb1mx3.8/7, mbtmp3.8/7, MS3.7/3, Ms1 3.8/3, s-min=26.0km az=57.0, Mauritius - Reunion region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KMBO Kilima Mbogo, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, ASAR Alice Springs, ASAR Alice Springs, WRA Warramunga Arr, MKAR Makanchi Array, BVAR Borovoye Array, ZAL Zalesovo, SONM Songoing Array.

IDC 07 14:40:01.8;1.1, 0.20S;168.18E, mb3.8/3, mb1 4.1/3, mb1mx3.8/14, mbtmp3.8/3, Error ellipse: s-maj=283.0km s-min=77.4km az=131.0, Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr.

IDC 07 14:56:16.2;2.2, 7.44S;127.77E, mb4.1/1, mb1 4.0/3, mb1mx3.7/14, mbtmp3.8/3, ML3.8/2, Error ellipse: s-maj=280.7km s-min=30.4km az=64.0, Banda Sea

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

IDC 07 15:17:24.1;2.4, 6.15S;130.19E, mb4.2/1, mb1 4.1/4, mb1mx3.8/15, mbtmp4.0/4, ML3.8/2, Error ellipse: s-maj=115.0km s-min=26.7km az=77.0, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, MKAR Makanchi Array.

BUI 07 15:23:57.7, 1.21N;97.20E, h34km, mb5.5, mb5.3, Ms5.3, Ms2.1

MOS 07 15:23:58.7;0.9, 1.36N;97.18E, h33km, mb5.3/4/7, MS5.0/10, Error ellipse: s-maj=9.2km s-min=5.6km az=110.0

IDC 07 15:29:59.6;0.3, 1.38N;97.25E, h24km, 1km, mb4.6/20, mb1 4.7/28, mb1mx4.7/29, mbtmp4.8/28, ML4.1/1, MS4.6/20, Ms1 4.6/20, ms1mx4.4/35, Error ellipse: s-maj=12.1km s-min=7.1km az=51.0

NEIC 07 15:23:59.1;0.2, 1.35N;97.16E, mb5.1/48, Error ellipse: s-maj=5.4km s-min=4.1km az=218.0

HRVD 07 15:23:59.1;0.5, 1.30N;96.88E, h2km, MW5.1/44, Centroid moment tensor solution. LL body waves: s36,c52;Mantle waves: s44,c67; HP duration: 0 Moment tensor: Scale 10^16Nm; Mr2:55t;16; Mw:0.77t;11; Mw:1.78t;14; Ms:1.79t;24; Mb:1.86t;09; Mw:3.26t;27; Best double couple: Mw:700x;10^16 NP1:312; 820; 773; NP2:150; 871; 966; Principal axes: T:4.409, P:1636, Azm70; N:5.99, Plg6; Azm328; P:5.004, Plg26; Azm235; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s

ISC 07 15:23:57.3;0.2, 1.34N;0.0; 97.19E; 0.03, h24km, h24km, 5km, s-maj=10.0km s-min=7.0km az=110.0, 26C-9D, Northern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IPM Ipoh, KULM Kulim, KGM Klang, PENI Pendang, PENI Pendang, PENI Pendang, KSM Kuching, KKTK Khon Kaen, BDT BDT, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CHG Chiang Mai.

















Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, and other station-specific data. Includes stations like ASAR, ASPA, FITZ, etc.

IDC 07 17:18:41.5, 3.5, 12.34N, 87.19W, mb3.8/7, mb1 4.1/7, mb1mx3.8/20, bmtmp3.8/7, Error ellipse: s-maj=71.0km, s-min=44.2km az=0.0

NEIC 07 17:18:49.8, 0.9, 12.71N, 87.56W, h35km, mb4.0/2, Error ellipse: s-maj=37.9km s-min=15.1km az=54.0

CASC 07 17:18:53.6, 1.8, 12.54N, 87.47W, h64km, 15km, MD4.1, ML4.3, mb4.1(NEIC)

ISC 07 17:18:52.7, 0.4, 12.60N, 0.08, 87.40W, 0.05, h88km, 4km, n39, c0965/55, mb3.8/9, 7C-9D, Near coast of Nicaragua

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, and other station-specific data. Includes stations like CRIN, LEON, TEL3, etc.

0.4nm, 0.8s, baz=89, slow=2.0, SNR=7.0

INMG 07 17:26:31.0, 1.4, 43.13N, 8.37W, h20km, 5km, ML2.6, Error ellipse: s-maj=4.2km s-min=3.3km az=145.0

NEIC Felt [I] at Ordes. Also felt at Santiago de Compostela. CSEM 07 17:26:31.6, 0.2, 43.10N, 8.41W, h20km, ML3.3/6, Error ellipse: s-maj=3.1km s-min=2.5km az=171.0

MDD 07 17:26:31.5, 0.4, 43.07N, 8.41W, h21km, 1km, mbLg2.7/20, 1C, Error ellipse: s-maj=4.4km s-min=2.7km az=176.0, PRXIMO, Spain

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, and other station-specific data. Includes stations like STS, STS, STS, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, and other station-specific data. Includes stations like EALK, EALK, EALK, etc.

IDC 07 17:36:33.0, 0.8, 0.84N, 97.39E, h23km, 4km, mb4.1/17, mb1 4.2/18, mb1mx4.1/23, bmtmp4.2/18, ML4.4/1, MS3.6/1, Ms1 3.8/1, ms1mx3.0/25, Error ellipse: s-maj=28.2km s-min=12.4km az=48.0

BUI 07 17:36:32.3, 0.96N, 97.40E, h27km, mb4.8, mb4.5, Ms4.1, Ms2.0

NEIC 07 17:36:34.1, 0.5, 0.91N, 97.47E, h30km, mb4.4/15, Error ellipse: s-maj=12.1km s-min=6.9km az=53.0

ISC 07 17:36:30.8, 1.9, 0.86N, 0.06, 97.42E, 0.07, h20km, 13km, h27km, 1.4km, comp=PP-P, n50, c0990/53, mb4.3/34, MS3.8/5, Northern Sumatra

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, and other station-specific data. Includes stations like IPM, KULM, KGM, etc.

7d 19h

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like WMQ, VMO, AAK, SONN, UNLN, MKAR, CN2, MJAR, MDJ, STKA, ZAL, CHKZ, BRTR, MLR, FINES, ARCES, GERES, HFS, NOA, etc.

NEIC 07 17:38:57.1, 47.06N-2.50W, MG3.8(MDD), After MDD. CSEM 07 17:38:57.0, 46.85N-2.53W, h10km, mb3.8/1, Error ellipse: s-maj=14.5km s-min=3.8km az=173.0, Bay of Biscay

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like LRYF, LCHF, CHIF, ELAN, EAL, EARI, EBIE, EPON, EINC, ECAL, EPOB, ERTA, ELOB, EMOS, etc.

THE 07 17:40:12.2, 38.49N-23.76E, h10km, ML3.2. ATH 07 17:40:13.5, 38.60N-23.67E, h26km, 1km, MD3.4/13, ML3.5

NEIC 07 17:40:13.5, 38.60N-23.67E, h26km, ML3.5(ATH), After ATH. CSEM 07 17:40:14.3, 0.1, 38.59N-23.69E, h12km, ML3.5, Error ellipse: s-maj=2.7km s-min=1.4km az=91.0

ISC 07 17:40:13.5, 0.7, 38.57N-0.03, 23.67E-0.07, h19km, gkm, n28, c091/31, 3C-1D, Greece

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like MPAR, LKR, PTL, ATH, AOS, MGER, NSAL, NAIG, NEO, AGG, PAIG, EVR, LIA, OUR, LIT, PLG, VLI, APE, THE, SOH, KYTH, WLS, SRS, GRG, KNT, NVR, ALN, etc.

ISC 07 17:50:16.4, 0.9, 31.42N-139.99E, mb3.6/6, mb1 3.9/6, mb1mx3.7/21, mbtmp3.6/6, Error ellipse: s-maj=29.4km s-min=20.3km az=100.0

NEIC 07 17:50:25.0, 0.2, 31.47N-140.18E, h78km, 19km, mb4.3/6, Error ellipse: s-maj=19.2km s-min=16.5km az=74.0

ISC 07 17:50:18.3, 0.8, 31.44N-0.09, 140.3E-0.2, h33km, n16, c128/15, mb4.0/12, Southeast of Honshu

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like JHU, etc.

2005 APR

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like MJAR, MAJO, BJT, BJI, ENH, CMAR, MKAR, WRA, CTAO, ASAR, PALK, RES, YKA, TXAR, LPAZ, etc.

ATH 07 18:09:19.3, 39.53N-20.90E, h28km, 6km, MD3.2/4. NEIC 07 18:09:19.3, 39.53N-20.90E, h28km, MD3.2(ATH), After ATH

THE 07 18:09:20.9, 39.44N-20.84E, h10km, ML2.7. CSEM 07 18:09:20.9, 0.1, 39.44N-20.84E, h2km, MD3.2, Error ellipse: s-maj=3.2km s-min=3.2km az=121.0

ISC 07 18:09:20.1, 0.7, 39.46N-0.03, 20.76E-0.05, h10km, 6km, n10, c096/17, Greece-Albania border region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like JAN, IGT, MEV, LKD, KEK, KEK, EVR, VLS, AGG, FNA, FNA, LIT, LIT, etc.

ISC 07 18:09:56.6, 3.5, 0.09N-96.87E, mb3.5/3, mb1 3.7/4, mb1mx3.5/18, mbtmp3.5/4, ML3.6/1, MS2.8/1, Ms1 3.0/1, ms1mx3.2/6/17, Error ellipse: s-maj=130.6km s-min=25.8km az=60.0, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like CMAR, WRA, ASAR, MKAR, etc.

ISC 07 18:12:08.0, 0.7, 40.68N-0.04, 34.09E-0.05, h8km, gkm, n6, c050/10, Turkey

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like TOS, CTKT, ELOD, AGRM, BOYT, BOYT, KAMT, etc.

ISC 07 18:13:21.2, 2.2, 8.09N-96.93E, mb3.4/3, mb1 3.6/4, mb1mx3.4/20, mbtmp3.4/4, ML3.7/1, Error ellipse: s-maj=14.8km s-min=28.7km az=55.0, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like CMAR, WRA, MKAR, MKAR, BVAR, BVAR, etc.

ISC 07 18:26:45.6, 1.2, 15.99N-92.90E, mb3.5/5, mb1 3.7/6, mb1mx3.5/20, mbtmp3.4/6, ML3.3/1, Error ellipse: s-maj=38.7km s-min=2.1km az=47.0, Bay of Bengal

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like CMAR, MKAR, WRA, ASAR, ARCES, GERES, etc.

ATH 07 18:46:45.2, 38.74N-21.23E, h17km, 3km, MD3.4/6. THE 07 18:46:45.2, 38.73N-21.23E, h10km, ML3.2

NEIC 07 18:46:45.2, 38.74N-21.23E, h17km, MD3.4(ATH), After ATH. CSEM 07 18:46:45.6, 0.1, 38.75N-21.23E, h2km, MD3.4, Error ellipse: s-maj=2.9km s-min=1.9km az=161.0

ISC 07 18:46:44.9, 0.6, 38.67N-0.04, 21.26E-0.03, h10km, n21, c1913/31, 1D, Greece

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like LKD, EVR, VLS, AGG, JAN, IGT, IGT, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like IGT, LKR, KEK, LSK, NEO, KZN, LIT, FNA, PAIG, GRG, DUR, KNT, SRS, etc.

ISC 07 18:47:56.1, 8.8, 6.53S-154.00E, h138km, 41km, mb3.4/3, mb1 3.7/5, mb1mx3.4/17, mbtmp4.1/5, 1C, Error ellipse: s-maj=142.3km s-min=31.6km az=14.0, New Britain region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like PMG, DZM, WB2, WRA, ASAR, STKA, FITZ, etc.

ISC 07 19:01:19.8, 1.3, 9.52N-93.33E, mb3.4/4, mb1 3.6/5, mb1mx3.4/21, mbtmp3.4/5, ML3.2/1, MS3.0/1, Ms1 3.2/1, ms1mx3.0/12, Error ellipse: s-maj=51.4km s-min=23.0km az=50.0, Nicobar Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like CMAR, BVAR, WRA, ASAR, BRTR, etc.

BUI 07 19:02:32.0, 12.15N-46.24E, h7km, mb5.2, mb4.8, Ms4.5, Ms2.1

ISC 07 19:02:33.0, 0.6, 12.08N-46.34E, mb4.4/23, mb1 4.5/24, mb1mx4.5/29, mbtmp4.4/24, ML3.9/1, MS4.1/12, Ms1 4.1/12, ms1mx3.9/28, Error ellipse: s-maj=18.3km s-min=14.0km az=55.0

MOS 07 19:02:33.1, 0.9, 12.03N-46.24E, h10km, mb4.9/34, MS4.3/10, Error ellipse: s-maj=9.7km s-min=5.0km az=103.7

CSEM 07 19:02:33.7, 0.1, 12.03N-46.23E, h16km, mb4.9/28, Error ellipse: s-maj=3.1km s-min=2.5km az=115.0

NEIC 07 19:02:34.7, 0.3, 11.98N-46.25E, h10km, mb4.8/32, Error ellipse: s-maj=4.4km s-min=6.0km az=66.0

DHMR 07 19:02:39.1, 0.8, 12.54N-45.90E, h14km, 6km, ML4.7

ISC 07 19:02:34.6, 0.3, 12.05N-0.04, 16E-0.03, h19km, h19km, 1, 0km, pp-P, n200, c111/208, mb4.7/66, MS4.1/21, 12C-9D, Western Gulf of Aden

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like ADEN, ADEN, ADEN, BDHA, LBOS, TRBA, TRBA, UDYN, UDYN, DHBH, DHBH, ARTA, ATD, ATD, ATD, KMBO, KMBO, KMBO, KMBO, etc.

ISC 07 19:02:34.6, 0.3, 12.05N-0.04, 16E-0.03, h19km, h19km, 1, 0km, pp-P, n200, c111/208, mb4.7/66, MS4.1/21, 12C-9D, Western Gulf of Aden

ISC 07 19:02:34.6, 0.3, 12.05N-0.04, 16E-0.03, h19km, h19km, 1, 0km, pp-P, n200, c111/208, mb4.7/66, MS4.1/21, 12C-9D, Western Gulf of Aden

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like EIL, EIL, EIL, EIL, BHD, BHD, ASF, ASF, etc.

ISC 07 19:02:34.6, 0.3, 12.05N-0.04, 16E-0.03, h19km, h19km, 1, 0km, pp-P, n200, c111/208, mb4.7/66, MS4.1/21, 12C-9D, Western Gulf of Aden

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like ASF, ASF, ASF, ASF, etc.

ISC 07 19:02:34.6, 0.3, 12.05N-0.04, 16E-0.03, h19km, h19km, 1, 0km, pp-P, n200, c111/208, mb4.7/66, MS4.1/21, 12C-9D, Western Gulf of Aden

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like MAL, MAL, MAL, MAL, etc.



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

ICD 07 19:11:36.0±2.4, 1.55N-97.10E, mb3.7/5, mb1 3.8/6, mb1mx3.7/20, mbimp3.7/6, ML3.5/1, Error ellipse: s-maj=96.7km s-min=21.4km az=53.0

NEIC 07 19:11:39.5±0.7, 1.48N-96.95E, h30km, mb4.2/3, Error ellipse: s-maj=14.6km s-min=12.1km az=58.0

ISC 07 19:11:37.6±0.9, 1.5N-0.1, 97.0E±0.1, h30km, n12, c084/12, mb3.9/8, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KULM, Kuching, CMAR, Chiang Mai Arr, etc.

TEH 07 19:13:18.4, 32.49N-45.73E, h10km, Mn3.5, ICD 07 19:13:25.3±2.7, 32.94N-46.37E, mb3.6/8, mb1 3.8/8, mb1mx3.6/20, mbimp3.6/8, MS3.8/1, Ms1 3.9/1, ms1mx3.1/23, Error ellipse: s-maj=64.2km s-min=24.2km az=26.0

CSEM 07 19:13:27.1±0.2, 33.11N-46.36E, h20km, mb3.6/1, ML4.0/1, Error ellipse: s-maj=64.4km s-min=29.0km az=17.0

THR 07 19:13:28.3, 33.03N-46.62E, h37km, gkm, ML3.1, NEIC 07 19:13:30.4±3.5, 33.06N-46.43E, h31km, 2km, mb3.5/1, ML3.1(THR), MN3.5(TEH), Error ellipse: s-maj=18.1km s-min=8.4km az=216.0

ISC 07 19:13:30.1±0.3, 33.02N-0.08, 46.48E±0.06, h48km, gkm, n31, c107/36, mb3.6/8, MS3.8/1, Iran-Iraq border region

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

ASAO Ashtian 3.32 62 Pn P 19 14 17.0 -3.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 15 05.0 +5.7 ASAO Ashtian 3.32 62 Pn P 19 15 22.8

ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8

ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8

ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8

ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8

ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8

ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8

ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8

ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8

ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8

ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8

ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8 ASAO Ashtian 3.32 62 Pn P 19 14 18.0 -2.8

Table with columns: JNE, Station Name, Time, Res, ISC, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JNE, Jan Mayen West, JNW, Jan Mayen West, etc.

BUJ 07 19:29:05.4, 0.37N-97.05E, h30km, mb4.6, Ms3.9, Msz3.8 ICD 07 19:29:04.2, 2.20N-97.29E, mb3.9/7, mb1 4.0/8, mb1mx3.8/20, mbimp3.9/8, MS3.1/1, MS3.1/1, Ms1 3.3/1, ms1mx3.2/34, Error ellipse: s-maj=96.6km s-min=17.8km az=59.0

NEIC 07 19:29:13.8±0.8, 1.17N-97.27E, h30km, mb4.1/5, Error ellipse: s-maj=22.3km s-min=9.9km az=60.0

ISC 07 19:29:11.6±0.9, 1.17N-10.97E±0.2, h30km, n17, c093/17, mb4.0/12, MS3.8/1, Northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KULM, Kulim, CM31, Chiang Mai Arr, etc.

WRA Warramunga Arr 41.99 122 P 19 13 07.19 -0.4 WRAB Tennant Creek 42.00 122 P 19 13 02.5 +0.1

ASAR Alice Springs 43.35 127 P 19 13 13.6 +0.2 ASAK Ala-Archa 46.04 337 P 19 13 36.3 +1.6

SONM Songino Array 47.16 8 P 19 13 43.7 +0.2 MKAR Makanchi Array 47.28 346 P 19 13 44.5 +0.2

KURK Kurchatov 51.83 345 P 19 13 48.4 -0.8 STKA Stephens Creek 53.31 132 P 19 13 38.0 +0.2

STKA Stephens Creek 53.31 132 P 19 13 29.8 -0.8 ZAL Zalesovo 53.58 351 P 19 13 32.8 +0.5

BVAR Borovoye Array 56.29 341 P 19 13 50.8 -1.2

NEIC 07 19:39:07.3, 16.83N-99.84W, h37km, MD3.6(MEX), After MEX2

MEX 07 19:39:06.9±0.5, 16.82N-99.83W, h39km, 4km, MD3.6, 1D, Near coast of Guerrero

ACX Acaapulco 0.10 297 P 19 39 11.9 -1.3 ACX Acaapulco 0.10 297 P 19 39 16.3 -1.5 CAIG El Cayaco 0.48 298 P 19 39 15.7 -1.6

PLIG Platanillo 1.59 11 P 19 39 31.8 -1.2 PLIG Platanillo 1.59 11 P 19 39 47.9 -2.9

PLIG Platanillo 1.59 11 P 19 39 31.2 -1.9 PLIG Platanillo 1.59 11 P 19 39 48.8 -2.9

ZILG Zihuatajejo 1.75 297 P 19 39 34.1 -1.2 ZILG Zihuatajejo 1.75 297 P 19 39 54.4 -2.1

ZILG Zihuatajejo 1.75 297 P 19 39 34.1 -1.2 ZILG Zihuatajejo 1.75 297 P 19 39 54.4 -2.1

PPM Popocatepeti 2.51 27 P 19 39 41.7 -4.5 PPM Popocatepeti 2.51 27 P 19 39 40.0 -2.2

DJA 07 19:43:07.0±0.5, 3.73N-126.53E, h2km, mb5.6/8, Error ellipse: s-maj=21.1km s-min=5.6km az=170.0

ICD 07 19:43:06.8±0.3, 2.96N-126.55E, mb5.4/31, mb1 5.4/31, mb1mx5.4/32, mbimp5.4/31, MS5.2/5, Ms1 5.2/5, ms1mx4.9/23, Error ellipse: s-maj=17.4km s-min=10.1km az=68.0

HRVD 07 19:43:14.9±0.1, 3.04N-126.73E, h51km, MW5.9/74, Centroid moment Tensor Solution. LP body waves: 374.0c170:Mantle waves: s65;c160; Half duration: 2s

NEIC 07 19:43:14.9±0.9, 2.97N-126.48E, h60km, gkm, mb5.6/67, MW5.9 Error ellipse: s-maj=6.0km s-min=4.3km az=63.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MATI, Davao City (W), Kidapawan, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like MATI, Davao City (W), Kidapawan, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like MATI, Davao City (W), Kidapawan, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like MATI, Davao City (W), Kidapawan, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like MATI, Davao City (W), Kidapawan, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like MATI, Davao City (W), Kidapawan, etc.

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Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like MATI, Davao City (W), Kidapawan, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like MATI, Davao City (W), Kidapawan, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like MATI, Davao City (W), Kidapawan, etc.

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Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like MATI, Davao City (W), Kidapawan, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like MATI, Davao City (W), Kidapawan, etc.

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Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like MATI, Davao City (W), Kidapawan, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like MATI, Davao City (W), Kidapawan, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like MATI, Davao City (W), Kidapawan, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like MATI, Davao City (W), Kidapawan, etc.







Table with columns: Station Name, Location, Time, Res, and various codes. Includes stations like Vitosha, Alonnisos, PAIGR, DAG, etc.

Table with columns: Station Name, Location, Time, Res, and various codes. Includes stations like TXAR, TXAR, TXAR, TXAR, etc.

Table with columns: Station Name, Location, Time, Res, and various codes. Includes stations like JHNI, DLH, DLH, DLH, etc.

Table with columns for station code, name, coordinates, and various signal quality metrics (e.g., SNR, S/N, error rates).

Table with columns for station code, name, coordinates, and various signal quality metrics (e.g., SNR, S/N, error rates).

Table with columns for station code, name, coordinates, and various signal quality metrics (e.g., SNR, S/N, error rates).







Table with columns for station name, frequency, power, and signal strength. Includes stations like PRU Puhonice, PERS Pernice, and MRLC Muro Lucano.

Table with columns for station name, frequency, power, and signal strength. Includes stations like NKC Novy Kostel, MNO Monte Soro, and WTTA Wattergen.

Table with columns for station name, frequency, power, and signal strength. Includes stations like PET comp=Z,86nm,1.4s,mb5.6, BFB Black Forest, and WLF Walferdange.

Table with columns for call sign, name, frequency, and other details. Includes stations like PZZ Prazzo, TOUF Mont Tournerai, and various local news and community programs.

Table with columns for call sign, name, frequency, and other details. Includes stations like LCHF La Chataignera, ATAF Djebel Tarf, and various regional and national news programs.

Table with columns for call sign, name, frequency, and other details. Includes stations like MTE Manteigas, EZAM Zamane, and various international and specialized news programs.

Table with columns: HNR, Location, Time, Status, and other details. Includes entries like Honiara, Osorio, Frishober Bay, Bajamar, Las Canadas, La Gomera, Ponta Delgada, Dimbokro, etc.

Table with columns: LAO, BOZ, NCB, HUMO, HRV, WES, YBH, LKWY, POHA, HLID, WWOR, MOD, LOHW, WDC, RRI, BINY, REDW, RSSD, AHID, BW06, PDAR, ERPA, HVU, HOPS, AAM, BMN, HWUT, ELK, SSPA, DUG, CMB, NVAR, MCWV, ACCO, OMM, SAO, TRCR, AF, SRU, ISCO, MVU, SNZO, DAC, BBSR, RAO, CBKS, ISA, WCI, BLA, SDCO, CCM, LAO. Includes entries like Bozeman (W), Newcomb, Hull Mountain, Harward-Oak R, Weston, Yreka Blue Hor, Lake, Pohakuioa, Hailey, Modoc, Long Hollow, Whiskeytown Da, Red Ridge, Binghamton, Red Top Meadow, Black Hills, Auburn Hatcher, Boulder Array, Pinedale Array, Erie, Hansel Valley, Hopland, Ann Arbor, Battle Mountai, Hardware Ranch, Elko, Standing Stone, Dugway, Columbia Cole, Alum Creek Sta, Old Mammoth Mi, San Andreas Ge, Troy Canyon, Afiatalu, San Rafael, Idaho Springs, Marysvale, South Karori, Darwin (Calif), BB Station, Raouli Island, Cedar Bluff, Isabella, Wyandotte Cave, Blacksburg, Great Sand Dun, Cathedral Cave, LASA Array.

Table with columns: TRIS, NVL, WVT, PFO, ANMO, ANMO, PLAL, LAZ, AMTX, LPM, LENM, NHSC, UALR, BNM, OXF, WMOK, MIAR, MIAR, GOGA, TUC, TUC, LRAL, CPRX, VNA, VNA, VNA, GDLE, MNTX, MNTX, SNA, SNA, SNA, NATX, SBA, RCBR, VNA, VNA, VNA, VNA, LTX, LTX, LTX, TXAR, TXAR, TXAR, QSPA, RAR, SJG, ZAIG, TEIG, TEIG, PPT, PPT, PPM, VAH, CAM4, TBI, TBI, BAO, SDV, SDV, SDV, JTS, ROSC, ROSC, PMSA, PMSA, SAML, SAML, SIV, RKT, RKT, OTAV, OTAV, CPUP, USHA, PTCN, PTCN, PAYG, PAYG, LPAZ. Includes entries like Tristan da Cun, N'lazarevskaya, Waverly, Pinyon Flat Ob, Albuquerque, Albuquerque, Pickwick Lake, Adron, Amarillo, Los Pinos Moun, Lemitar, New Hope, University of, Barren Site, Oxford, Wichita Mounta, Mount Ida, Mount Ida, Godfrey, Tucson, Tucson, Lakeview Retre, Cap Rock, Vanda, Vanda, Guadalupe Moun, Cornudas Moun, Sanae, Sanae, Sanae, Nacodoches, Scott Base, Riachuelo, Neumayer-Watz, Neumayer-Stat, Junction City, Junction City, Neumayer Olymp, Disney, Lajitas, Lajitas, Lajitas, Lajitas Array, Lajitas Array, South Pole Qui, Rarotonga, San Juan, Zapatecas, Tecahite, Papeete, Papeete, Pocatepetel, Vaihoo, Nova Friburgo, Tubuai, Brasilia Array, Santo Domingo, Santo Domingo, JuntasAbangare, El Rosal, El Rosal, Palmer Station, Samuel, Samuel, San Ignacio, Rikitea, Rikitea, Otavalo, Otavalo, Villa Florida, Ushuaia, Pitcairn Islan, Puerto Ayora, La Paz.

















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

IDC 07 22:50:00.0, 1.70S, 99.38E, h31km, mb4.5/16, mb1 4.7/16, mb1mx4.6/20, mbtmp4.6/16, MS4.7/4, Ms1 4.7/4, ms1mx4.3/18, Error ellipse: s-maj=32.6km s-min=13.5km az=46.0

BUI 07 22:50:00.1, 1.97S, 99.98E, h31km, mb5.4, mb4.6, Ms5.5, Msz.1

MOS 07 22:50:02.0, 0.9, 1.66S, 99.50E, h30km, mb5.2/18, Error ellipse: s-maj=19.2km s-min=9.2km az=117.6

NEIC 07 22:50:02.0, 0.3, 1.65S, 99.45E, mb5.0/25, Error ellipse: s-maj=13.8km s-min=7.4km az=223.0

ISC 07 22:50:01.0, 1.0, 1.64S, 0.07, 99.45E, h20km, h20km, 1.2km, p-P, n88, sigma106/83, mb4.8/40, MS4.9/9, 1C, Southern Sumatra

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like Chiang Mai Arr, Chiang Mai Arr, PALK, KMI, etc.

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

IDC 07 22:50:06.3, 3.3, 1.49S, 99.76E, mb3.6/3, mb1 3.7/4, mb1mx3.5/18, mbtmp3.5/4, ML3.8/1, Error ellipse: s-maj=143.5km s-min=27.2km az=54.0, Southern Sumatra

IDC 07 22:58:12.6, 0.7, 1.66S, 99.44E, mb4.0/12, mb1 4.2/12, mb1mx4.0/20, mbtmp4.0/12, Error ellipse: s-maj=27.1km s-min=15.2km az=50.0

BUI 07 22:58:17.3, 1.60S, 99.60E, h30km, mb4.9, mb4.7, Ms4.9, Msz4.4

NEIC 07 22:58:17.3, 0.6, 1.57S, 99.57E, h30km, mb4.3/5, Error ellipse: s-maj=18.9km s-min=9.4km az=62.0

ISC 07 22:58:15.2, 0.6, 1.54S, 0.09, 99.6E, 0.1, h30km, n25, sigma94/24, mb4.2/15, MS4.5/1, Southern Sumatra

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

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

CSEM 07 22:50:59.2, 12.36N, 45.97E, h18km, ML4.0, After DHMR DHMR 07 22:50:59.1, 6.12, 38N, 45.96E, h13km, 5km, ML4.0, 4C-1D, Western Gulf of Aden

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

IDC 07 22:57:06.3, 3.3, 1.49S, 99.76E, mb3.6/3, mb1 3.7/4, mb1mx3.5/18, mbtmp3.5/4, ML3.8/1, Error ellipse: s-maj=143.5km s-min=27.2km az=54.0, Southern Sumatra

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

IDC 07 22:58:12.6, 0.7, 1.66S, 99.44E, mb4.0/12, mb1 4.2/12, mb1mx4.0/20, mbtmp4.0/12, Error ellipse: s-maj=27.1km s-min=15.2km az=50.0

BUI 07 22:58:17.3, 1.60S, 99.60E, h30km, mb4.9, mb4.7, Ms4.9, Msz4.4

NEIC 07 22:58:17.3, 0.6, 1.57S, 99.57E, h30km, mb4.3/5, Error ellipse: s-maj=18.9km s-min=9.4km az=62.0

ISC 07 22:58:15.2, 0.6, 1.54S, 0.09, 99.6E, 0.1, h30km, n25, sigma94/24, mb4.2/15, MS4.5/1, Southern Sumatra

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like KULM, CM31, CMAR, etc.

IDC 07 23:04:50.5, 2.7, 2.09N, 96.58E, mb3.7/4, mb1 3.8/5, mb1mx3.5/20, mbtmp3.7/5, ML3.9/1, Error ellipse: s-maj=96.4km s-min=26.6km az=58.0, Northern Sumatra

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

IDC 07 23:14:05.9, 6.4, 14.97S, 172.33W, mb3.7/3, mb1 4.0/3, mb1mx3.7/18, mbtmp3.7/3, Error ellipse: s-maj=331.9km s-min=36.6km az=140.0, Samoa Islands

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









Table with columns: Code, Station Name, Δ, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Esparrros, Montolio, La Frestale, etc.

IDC 08 01:34:20.1±4.1, 0.68N-97.20E, mb3.9/4, mb1 4 1/5, mb1mx3.7/19, mbtmp3.9/5, ML4.5/1, Error ellipse: s-maj=108.4km s-min=77.2km az=98.0

NEIC 08 01:34:25.1±1.6, 0.79N-97.34E, h30km, mb4.3/2, Error ellipse: s-maj=37.8km s-min=23.8km az=130.0

ISC 08 01:34:24.8±1.0, 0.51N-97.3E, h33km, n10, c095f8, mb4.1/6, MS3.8/1, Northern Sumatara

Table with columns: Code, Station Name, Δ, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KULM, CMAR, KMI, etc.

IDC 08 01:35:06.3±3.9, 0.30N-126.75E, h17km, 22km, mb4.2/15, mb1 4 4/15, mb1mx4.2/22, mbtmp4.3/15, MS4.7/1, Ms1 4.7/1, ms1mx3.1/36, Error ellipse: s-maj=46.9km s-min=12.3km az=68.0

NEIC 08 01:35:14.3±3.1, 2.95N-126.80E, h89km, 28km, mb4.5/4, Error ellipse: s-maj=22.4km s-min=6.9km az=57.0

ISC 08 01:35:10.9±1.7, 3.02N-107.126E±0.1, h70km, 15km, n25, c0983/29, mb4.2/17, 2D, Talaud Islands

Table with columns: Code, Station Name, Δ, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KCP, KSP, FITZ, etc.

Table with columns: Code, Station Name, Δ, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KMBO, BRTR, ARCES, etc.

GUC 08 01:43:16.5±0.5, 28.93S-69.51W, h120km, ML3.6, 4C, Chile-Argentina border region

Table with columns: Code, Station Name, Δ, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like LCO, VACH, etc.

IDC 08 01:44:14.7±0.7, 0.38N-96.50E, mb4.2/17, mb1 4 3/18, mb1mx4.2/23, mbtmp4.1/18, ML4.3/1, Error ellipse: s-maj=28.5km s-min=14.8km az=49.0

NEIC 08 01:44:19.4±0.3, 0.45N-96.63E, h30km, mb4.1/4, Error ellipse: s-maj=11.2km s-min=7.2km az=52.0

ISC 08 01:44:18.2±0.5, 0.47N-109.967E±0.1, h33km, n26, c078/25, mb4.1/21, Off west coast of northern Sumatara

Table with columns: Code, Station Name, Δ, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KULM, CMAR, SHL, etc.

IDC 08 01:49:13.1±1.9, 1.51S-99.67E, mb3.9/7, mb1 4 1/8, mb1mx3.9/7, mbtmp3.9/8, ML4.3/1, Error ellipse: s-maj=97.2km s-min=17.2km az=57.0

NEIC 08 01:49:17.7±0.8, 1.50S-99.75E, h30km, mb4.1/4, Error ellipse: s-maj=29.3km s-min=9.1km az=63.0

ISC 08 01:49:15.9±1.1, 1.45S-101.998E±0.2, h30km, n14, c070/13, mb4.1/11, Southern Sumatara

Table with columns: Code, Station Name, Δ, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KULM, CMAR, WRA, etc.

IDC 08 01:51:37.3±3.7, 0.59N-97.26E, h22km, 23km, mb4.7/31, mb1 4 7/32, mb1mx4.7/34, mbtmp4.8/32, ML4.8/1, MS5.6/20, Ms1 5.6/20, ms1mx5.4/32, Error ellipse: s-maj=16.4km s-min=8.8km az=40.0

BII 08 01:51:37.4±0.2, 0.42N-97.41E, h45km, mb5.6, mb5.0, Ms6.3, Ms2.6.1

MOS 08 01:51:37.7±0.9, 0.70N-97.37E, h33km, mb5.6/8, MS5.8/26, Error ellipse: s-maj=8.7km s-min=4.5km az=122.3

HRVD 08 01:51:38.7±0.2, 0.50N-97.34E, h12km, MW5.7/76, Centroid moment Tensor Solution. LP body waves: s60 c118; Mantle waves: s76 c198; HL duration: 197

Moment tensor: Scale 1017Nm; M1: 1.4±0.5; M2: 0.3±0.5; M3: 2.8±0.5; M4: 0.5±1.4; M5: 1.4±0.5; M6: 0.0±1.5; Best double couple: M3.781x1017 NP1: 0.326° 882° λ-179° NP2: 0.236° 889° λ-8° Principal axes: T3.184, Plg5°, Azm282°; N: 1.194, Plg6°, Azm51°; P: -4.377, Plg6°, Azm191°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.

NEIC 08 01:51:38.7±0.1, 0.68N-97.38E, h30km, mb5.4/88, MS5.8/136, MW5.7 Error ellipse: s-maj=4.9km s-min=3.2km az=214.0, Moment Tensor Solution. s19

Moment tensor: Scale 1017Nm; M1: 0.11; M2: 4.51; M3: 1.18; M4: 0.32; M5: 0.32; M6: 0.32; M7: 0.32; M8: 0.32; M9: 0.32; M10: 0.32; M11: 0.32; M12: 0.32; M13: 0.32; M14: 0.32; M15: 0.32; M16: 0.32; M17: 0.32; M18: 0.32; M19: 0.32; M20: 0.32; M21: 0.32; M22: 0.32; M23: 0.32; M24: 0.32; M25: 0.32; M26: 0.32; M27: 0.32; M28: 0.32; M29: 0.32; M30: 0.32; M31: 0.32; M32: 0.32; M33: 0.32; M34: 0.32; M35: 0.32; M36: 0.32; M37: 0.32; M38: 0.32; M39: 0.32; M40: 0.32; M41: 0.32; M42: 0.32; M43: 0.32; M44: 0.32; M45: 0.32; M46: 0.32; M47: 0.32; M48: 0.32; M49: 0.32; M50: 0.32; M51: 0.32; M52: 0.32; M53: 0.32; M54: 0.32; M55: 0.32; M56: 0.32; M57: 0.32; M58: 0.32; M59: 0.32; M60: 0.32; M61: 0.32; M62: 0.32; M63: 0.32; M64: 0.32; M65: 0.32; M66: 0.32; M67: 0.32; M68: 0.32; M69: 0.32; M70: 0.32; M71: 0.32; M72: 0.32; M73: 0.32; M74: 0.32; M75: 0.32; M76: 0.32; M77: 0.32; M78: 0.32; M79: 0.32; M80: 0.32; M81: 0.32; M82: 0.32; M83: 0.32; M84: 0.32; M85: 0.32; M86: 0.32; M87: 0.32; M88: 0.32; M89: 0.32; M90: 0.32; 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Table with columns for city/country codes (PKI, POO, DMN, etc.), names (Puichoki, Poona, Daman, etc.), and various numerical and categorical data points.

Table with columns for city/country codes (GTA, JOW, TIA, etc.), names (comp-Z,19nm,1.4s,mb4.6, etc.), and various numerical and categorical data points.

Table with columns for city/country codes (FRU, CHMS, EKS2, etc.), names (comp-Z,6um,18.0s,MS5.6, etc.), and various numerical and categorical data points.

Table with columns for station code, name, frequency, and signal strength. Includes stations like ZAL, Zalesovo, Arta Tunnel, Kul'dur, Borovoye Array, etc.

Table with columns for station code, name, frequency, and signal strength. Includes stations like YAK, comp=E,475nm,11.8s, comp=Z,381nm,17.6s, etc.

Table with columns for station code, name, frequency, and signal strength. Includes stations like SEY, comp=Z,46um,19.0s,MS6.8, PSN, Preselentsi, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like VOY, PTQR, AQU, VANDA, VNGA, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MAIT, SBF, SBF, SBF, CDF, MBDF, MBDF, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like EDM, EDM, EDM, EDM, NEW, NEW, NEW, etc.



Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, ISC. Includes entries like SDCO Great Sand Dun, BINY Binghamton, AAM Ann Arbor, etc.

NEIC 08 01:59:15.6, 63.09N; 149.81W, h87km, MG3.3(AEIC), After AEIC.

IDC 08 01:59:16.6, 4.5, 63.28N; 149.78W, h100km; 43km, mb3.3/1, mb1.3/4.3, mb1mx3.1/21, mbtrmp3.6/3, Error ellipse: s-maj=45.5km s-min=17.3km az=36.0

ISC 08 01:59:14.1, 1.0, 63.10N; 0.02, 149.78W; 0.06, h1102km; 44km, n74, c0872/88, mb3.7/1, Central Alaska

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, ISC. Includes entries like HUR Hurricane, TRF Thorofore Moun, etc.

Table with columns: SML, NEA, PNR, SCM, CCB, etc. Includes entries like NEA Nenana, PNR Palmer, SCM Sheep Creek Mo, etc.

IDC 08 02:01:40.2, 1.9, 5.92S; 154.60E, h116km; 17km, mb4.2/15, mb1.4/3/18, mb1mx4.3/21, mbtrmp4.5/18, MS4.3/1, MS1.4/3.1, ms1mx3.2/28, Error ellipse: s-maj=14.4km s-min=12.4km az=-17.0

NEIC 08 02:01:40.2, 1.1, 5.94S; 154.65E, h119km; 10km, mb4.4/7, Error ellipse: s-maj=10.0km s-min=7.6km az=154.0

ISC 08 02:01:40.0, 1.6, 5.97S; 0.09, 154.61E; 0.05, h130km; 14km, n34, c088/35, mb4.2/19, Bougainville - Solomon Islands region

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, ISC. Includes entries like HNR Honiara, HNR Honiara, PMG Port Moresby, etc.

PDAR Pinedale Array 98.30 48 P P 02 15 05.0 +9.9

ROM 08 02:05:51.9, 0.3, 44.38N; 7.31E, h19km; 2km, MD2.7/4, ML2.0/3, Error ellipse: s-maj=2.5km s-min=2.4km az=90.0

CSEM 08 02:05:51.6, 0.1, 44.43N; 7.38E, h8km, ML2.9/12, Error ellipse: s-maj=1.6km s-min=1.3km az=62.0

STR 08 02:05:52.9, 0.2, 44.38N; 7.31E, h4km, ML2.9, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

GEN 08 02:05:52.6, 0.1, 44.39N; 7.28E, h15km, ML3.0, LDG 08 02:05:52.6, 0.1, 44.39N; 7.32E, h4km, MD2.9/2, MD2.8/17, Error ellipse: s-maj=2.2km s-min=1.3km az=73.0

NEIC 08 02:05:52.6, 44.39N; 7.28E, h15km, MD2.7(ROM), ML2.0(GEN), ML2.9(STR), ML2.8(LDG), After GEN, ISC 08 02:05:52.1, 0.2, 44.41N; 0.01, 17.32E; 0.03, h22km; 2km, n83, c091/148, 2D, Northern Italy

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, ISC. Includes entries like Code Station Name, San Damiano, Anna di Valdie, etc.





Table with columns: Station Name, Class, Frequency, Power, and other technical details. Includes stations like Kingston, Franklin Falls, Algonquin Park, etc.

Table with columns: Station Name, Class, Frequency, Power, and other technical details. Includes stations like Pelee Island, Pukaskawa Natio, Victor Mine, etc.

Table with columns: Station Name, Class, Frequency, Power, and other technical details. Includes stations like Ganaly, Apache, Mys Kozlova, etc.















2005 APR

Table with columns: Station, Frequency, Power, Mode, and other parameters. Includes stations like Osenovka, Yakutsk, Narogin (SRO), etc.

Table with columns: Station, Frequency, Power, Mode, and other parameters. Includes stations like Indian Mountain, ASF, RPZ, SIM, KEV, etc.

Table with columns: Station, Frequency, Power, Mode, and other parameters. Includes stations like LPL, MBDF, LSZ, LSZ, VIVF, etc.

8d 6h

IDC 08 06:40:36.9, 3.4, 0.01N, 98.10E, mb3.7/4, mb1 3.9/5, mb1mx3.7/19, mbtm3.7/5, ML4.0/1, Error ellipse: s-maj=147.9km s-min=22.6km az=57.0, Northern Sumatara

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, Res. Includes stations like CHIANG MAI ARR, WARRAMUNGA ARR, etc.

IDC 08 06:43:14.2, 4.5, 19.19S, 167.96E, h264km, 41km, mb3.6/5, mb1 3.6/6, mb1mx3.5/16, mbtm3.4/1, Error ellipse: s-maj=76.0km s-min=20.5km az=177.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, Res. Includes stations like CHIANG MAI ARR, WARRAMUNGA ARR, etc.

IDC 08 06:44:04.2, 6.1, 1.35N, 96.96E, mb3.9/6, mb1 4.0/6, mb1mx3.8/18, mbtm3.9/6, Error ellipse: s-maj=116.7km s-min=21.0km az=56.0, Off west coast of northern Sumatara

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, Res. Includes stations like WARRAMUNGA ARR, ALICE SPRINGS, etc.

IDC 08 06:44:33.2, 2.1, 1.38N, 96.96E, mb4.0/7, mb1 4.1/8, mb1mx3.9/20, mbtm4.0/8, ML4.0/1, Error ellipse: s-maj=88.5km s-min=20.0km az=57.0

NEIC 08 06:44:37.8, 0.9, 1.37N, 97.00E, h307km, Error ellipse: s-maj=21.8km s-min=13.0km az=64.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, Res. Includes stations like KULUM KULIM, CHIANG MAI ARR, etc.

NEIC 08 06:51:39.4, 0.5, 1.57S, 99.51E, h30km, mb4.2/3, Error ellipse: s-maj=16.7km s-min=8.3km az=64.0

IDC 08 06:51:41.0, 4.0, 1.49S, 99.59E, h40km, 34km, mb3.6/9, mb1 3.8/10, mb1mx3.6/19, mbtm3.9/10, ML4.5/1, Error ellipse: s-maj=31.5km s-min=14.8km az=50.0

ISC 08 06:51:38.7, 3.2, 1.55S, 0.1, 99.5E, 0.2, h38km, 26km, n18, 0566/16, mb4.0/11, Southern Sumatara

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, Res. Includes stations like KULUM KULIM, CHIANG MAI ARR, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, WRAB Tennant Creek, ASAR Alice Springs, etc.

BUI 08 07:02:37.6, 30.14N-83.53E, h10km, mb4.4
NEIC 08 07:02:39.0, 5.30.29N-83.50E, h10km, mb4.4/6, Error ellipse: s-maj=12.2km s-min=9.7km az=79.0

MOS 08 07:02:41.2, 1.6, 30.28N-83.46E, h33km, mb4.4/14, Error ellipse: s-maj=15.8km s-min=9.6km az=84.8
NDI 08 07:02:41.7, 5.7, 30.77N-83.55E, h10km, ML4.2, mb4.4(NEIC)

ISC 08 07:02:48.4, 5.8, 30.40N-83.64E, h82km, 53km, mb3.7/13, mb1.3, 9.15, mb1.9m3.8/24, mbtmp4.0/15, ML4.1/2, Error ellipse: s-maj=23.3km s-min=17.4km az=50.0

ISC 08 07:02:49.3, 30.33N, 0.04-83.64E, 0.03, h10km, n73, r=150/79, mb4.1/20, Kizang

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like VLK Valmikingar, PTH Pithoragarh, LGTI Lohaghat, JOSI Joshimath, etc.

NEIC 08 07:08:07.3, 1.1, 17.18S-179.15W, h484km, 16km, mb3.8/2, Error ellipse: s-maj=64.8km s-min=9.7km az=153.0

ISC 08 07:08:11.8, 3.2, 17.40S-179.15W, h538km, 41km, mb3.2/7, mb1.3, 5.7, mb1mx3.4/15, mbtmp4.1/7, Error ellipse: s-maj=78.2km s-min=13.0km az=153.0

ISC 08 07:08:06.1, 1.7, 17.25S-179.2W, 0.3, h481km, 25km, n11, r=53/11, mb3.6/8, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like AF1 Afiamalu, STKA Stephens Creek, WRAB Tennant Creek, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ARCES ARCESS Array B, MA2 Magadan, KMBO Kilima Mbo, etc.

JMA 08 07:07:41.8, 0.5, 34.03N-141.57E, h27km, M3.0
ISC 08 07:07:42.2, 2.4, 34.01N-141.39E, mb3.6/2, mb1.3, 8/4, mb1mx3.5/24, mbtmp3.7/4, ML3.9/2, Error ellipse: s-maj=37.3km s-min=30.3km az=42.0

ISC 08 07:07:43.2, 1.3, 34.06N, 0.06-141.5E, 0.1, h29km, 10km, n10, r=88/16, mb3.6/2, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BSO1 Boso 1, BSO2 Boso 2, BSO3 Boso 3, etc.

NEIC 08 07:07:07.3, 1.1, 17.18S-179.15W, h484km, 16km, mb3.8/2, Error ellipse: s-maj=64.8km s-min=9.7km az=153.0

ISC 08 07:08:11.8, 3.2, 17.40S-179.15W, h538km, 41km, mb3.2/7, mb1.3, 5.7, mb1mx3.4/15, mbtmp4.1/7, Error ellipse: s-maj=78.2km s-min=13.0km az=153.0

ISC 08 07:08:06.1, 1.7, 17.25S-179.2W, 0.3, h481km, 25km, n11, r=53/11, mb3.6/8, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like AF1 Afiamalu, STKA Stephens Creek, WRAB Tennant Creek, etc.

NEIC 08 07:07:07.3, 1.1, 17.18S-179.15W, h484km, 16km, mb3.8/2, Error ellipse: s-maj=64.8km s-min=9.7km az=153.0

ISC 08 07:08:11.8, 3.2, 17.40S-179.15W, h538km, 41km, mb3.2/7, mb1.3, 5.7, mb1mx3.4/15, mbtmp4.1/7, Error ellipse: s-maj=78.2km s-min=13.0km az=153.0

ISC 08 07:08:06.1, 1.7, 17.25S-179.2W, 0.3, h481km, 25km, n11, r=53/11, mb3.6/8, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like AF1 Afiamalu, STKA Stephens Creek, WRAB Tennant Creek, etc.

NEIC 08 07:07:07.3, 1.1, 17.18S-179.15W, h484km, 16km, mb3.8/2, Error ellipse: s-maj=64.8km s-min=9.7km az=153.0

ISC 08 07:08:11.8, 3.2, 17.40S-179.15W, h538km, 41km, mb3.2/7, mb1.3, 5.7, mb1mx3.4/15, mbtmp4.1/7, Error ellipse: s-maj=78.2km s-min=13.0km az=153.0

ISC 08 07:08:06.1, 1.7, 17.25S-179.2W, 0.3, h481km, 25km, n11, r=53/11, mb3.6/8, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like AF1 Afiamalu, STKA Stephens Creek, WRAB Tennant Creek, etc.

NEIC 08 07:07:07.3, 1.1, 17.18S-179.15W, h484km, 16km, mb3.8/2, Error ellipse: s-maj=64.8km s-min=9.7km az=153.0

ISC 08 07:08:11.8, 3.2, 17.40S-179.15W, h538km, 41km, mb3.2/7, mb1.3, 5.7, mb1mx3.4/15, mbtmp4.1/7, Error ellipse: s-maj=78.2km s-min=13.0km az=153.0

ISC 08 07:08:06.1, 1.7, 17.25S-179.2W, 0.3, h481km, 25km, n11, r=53/11, mb3.6/8, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like AF1 Afiamalu, STKA Stephens Creek, WRAB Tennant Creek, etc.

NEIC 08 07:07:07.3, 1.1, 17.18S-179.15W, h484km, 16km, mb3.8/2, Error ellipse: s-maj=64.8km s-min=9.7km az=153.0

ISC 08 07:08:11.8, 3.2, 17.40S-179.15W, h538km, 41km, mb3.2/7, mb1.3, 5.7, mb1mx3.4/15, mbtmp4.1/7, Error ellipse: s-maj=78.2km s-min=13.0km az=153.0

ISC 08 07:08:06.1, 1.7, 17.25S-179.2W, 0.3, h481km, 25km, n11, r=53/11, mb3.6/8, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SONM Songio Array, STKA Stephens Creek, STKA Stephens Creek, etc.

IDC 08 07:41:26.1, 5.0, 29.80N-82.84E, mb3.5/1, mb1.4, 0/3, mb1mx3.5/22, mbtmp3.7/3, ML4.0/2, Error ellipse: s-maj=173.2km s-min=43.7km az=60.0, Nepal

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like LGTI Lohaghat, MKAR Makanchi Array, CMAR Chiang Mai Arr, etc.

IDC 08 08:03:15.5, 2.0, 1.22N-97.15E, mb4.3/8, mb1.4, 4/9, mb1mx4.1/21, mbtmp4.3/9, ML4.5/1, Error ellipse: s-maj=86.9km s-min=16.3km az=59.0

BUI 08 08:03:17.7, 1.02N-97.29E, h40km, mb5.4, mb4.8, Ms4.9, Ms2.4

MOS 08 08:03:18.9, 0.7, 1.32N-97.24E, h33km, mb4.8/7, Error ellipse: s-maj=37.8km s-min=14.4km az=97.5

NEIC 08 08:03:20.0, 0.6, 1.24N-97.19E, h30km, mb4.6/11, Error ellipse: s-maj=17.3km s-min=3.5km az=57.0

ISC 08 08:03:17.9, 6.3, 1.30N, 0.1-97.3E, 0.2, h2km, 42km, n36, r=50/30, mb4.5/23, MS4.2/2, IC, Northern Sumatra

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, SNG Songkhla, CMAR Chiang Mai Arr, etc.

ISC 08 08:03:17.9, 6.3, 1.30N, 0.1-97.3E, 0.2, h2km, 42km, n36, r=50/30, mb4.5/23, MS4.2/2, IC, Northern Sumatra

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, SNG Songkhla, CMAR Chiang Mai Arr, etc.

ISC 08 08:03:17.9, 6.3, 1.30N, 0.1-97.3E, 0.2, h2km, 42km, n36, r=50/30, mb4.5/23, MS4.2/2, IC, Northern Sumatra

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, SNG Songkhla, CMAR Chiang Mai Arr, etc.

ISC 08 08:03:17.9, 6.3, 1.30N, 0.1-97.3E, 0.2, h2km, 42km, n36, r=50/30, mb4.5/23, MS4.2/2, IC, Northern Sumatra

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, SNG Songkhla, CMAR Chiang Mai Arr, etc.

ISC 08 08:03:17.9, 6.3, 1.30N, 0.1-97.3E, 0.2, h2km, 42km, n36, r=50/30, mb4.5/23, MS4.2/2, IC, Northern Sumatra

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, SNG Songkhla, CMAR Chiang Mai Arr, etc.

ISC 08 08:03:17.9, 6.3, 1.30N, 0.1-97.3E, 0.2, h2km, 42km, n36, r=50/30, mb4.5/23, MS4.2/2, IC, Northern Sumatra

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, SNG Songkhla, CMAR Chiang Mai Arr, etc.

ISC 08 08:03:17.9, 6.3, 1.30N, 0.1-97.3E, 0.2, h2km, 42km, n36, r=50/30, mb4.5/23, MS4.2/2, IC, Northern Sumatra

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, SNG Songkhla, CMAR Chiang Mai Arr, etc.

ISC 08 08:03:17.9, 6.3, 1.30N, 0.1-97.3E, 0.2, h2km, 42km, n36, r=50/30, mb4.5/23, MS4.2/2, IC, Northern Sumatra

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, SNG Songkhla, CMAR Chiang Mai Arr, etc.

ISC 08 08:03:17.9, 6.3, 1.30N, 0.1-97.3E, 0.2, h2km, 42km, n36, r=50/30, mb4.5/23, MS4.2/2, IC, Northern Sumatra

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, SNG Songkhla, CMAR Chiang Mai Arr, etc.



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

IDD 08:08:23:12.7:1.5, 2.90N, 126.59E, mb4.2/5, mb1 4.4/5, mb1mx4.0/18, mbtmp4.2/5, Error ellipse: s-maj=98.8km s-min=20.7km az=67.0

NEIC 08:08:23:21.6:0.7, 2.87N, 126.72E, h75km, mb4.1/5, Error ellipse: s-maj=36.8km s-min=10.1km az=69.0

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

JMA 08:08:26:48.0:0.2, 24.10N, 122.48E, h31km, M2.7, TAP 08:08:26:47.8, 24.03N, 122.38E, h6km, ML3.3, Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Yonaguni jima, Iriomote-Funau, etc.

IDD 08:08:42:43.0:3.5, 1.83N, 96.49E, mb3.7/2, mb1 4.0/3, mb1mx3.6/20, mbtmp3.7/3, ML4.0/1, Error ellipse: s-maj=133.2km s-min=29.3km az=59.0, Off west coast of northern Sumatara

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

NEIC 08:08:43:15.8:0.7, 2.97N, 82.71E, h10km, mb4.1/3, Error ellipse: s-maj=24.6km s-min=10.2km az=79.0

NDI 08:08:43:17.4:0.6, 30.22N, 84.25E, h10km, ML3.8, mb4.1(NEIC)

IDD 08:08:43:25.9:11.0, 30.34N, 83.78E, h64km, mb3.5/6, mb1 3.8/8, mb1mx3.5/24, mbtmp3.8/8, ML4.1/2, MS3.8/1, Ms1 4.0/1, ms1mx3.4/23, Error ellipse: s-maj=211.3km s-min=20.1km az=67.0

ISC 08:08:43:17.8:0.5, 30.28N, 0.06:83.76E, h10km, n28, e121/37, mb3.7/8, 1C, Xizang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Pithoragarh, Lohaghat, Joshimath, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Poona, Makanchi Array, Chiang Mai Arr, etc.

BJI 08:08:56:50.6, 2.67N, 95.51E, h25km, mb5.6, mb5.0, Ms4.6, Ms4.3

MOS 08:08:56:52.2:1.1, 2.67N, 95.35E, h33km, mb5.1/1.4, Error ellipse: s-maj=18.7km s-min=8.9km az=97.0

IDD 08:08:56:53.4:0.6, 2.74N, 95.40E, h24km, mb3.3/1, mb1 4.4/18, mb1mx4.2/27, mbtmp4.4/18, ML4.5/1, Error ellipse: s-maj=22.3km s-min=11.3km az=50.0

NEIC 08:08:56:53.2:0.4, 2.71N, 95.40E, mb4.8/18, Error ellipse: s-maj=9.6km s-min=6.1km az=225.0

ISC 08:08:56:51.5:0.5, 2.73N, 0.06:85.47E, h25km, mb5.1/1.4, Error ellipse: s-maj=19.0km s-min=8.9km az=97.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Kulim, Songkhla, Kuching, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Beijing, Ulahol, Uchtor, etc.

CASC 08:09:02:42.9:1.3, 13.54N, 91.00W, h21km, 8km, MD3.9, 3C-1D, Near coast of Guatemala

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



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like DZM, DZM, DZM, NOUC, NOUC, NOUC, CTAR, RAR, ASAR, WRAB, WRA, CMAR, SONM, NVAR.

IDC 08 10:37:22.4.2.5, 6.21S, 130.02E, mb3.8/1, mb1 3.8/4, mb1mx3.6/16, mbt3.6/16, ML3.5/3, MS3.3/1, Ms1 3.3/1, ms1mx2.7/25, Error ellipse: s-maj=115.0km s-min=28.0km az=77.0, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like FITZ, FITZ, FITZ, WRA, WRA, WRA, WB2, WB2, PMG, ASAR, MKAR.

IDC 08 10:42:47.3.2.9, 15.03S, 173.97W, h62km, 33km, mb3.8/6, mb1 4.1/7, mb1mx3.7/17, mbt3.4/27, ML3.2/1, Error ellipse: s-maj=49.6km s-min=17.2km az=139.0

NEIC 08 10:42:48.2.1.5, 15.00S, 174.07W, h68km, 18km, mb4.4/1, Error ellipse: s-maj=27.7km s-min=11.1km az=138.0

ISC 08 10:42:46.4.2.4, 15.05O, 2.174, 1W, 0.2, h69km, 29km, n10, c055/11, mb4.0/7, 2D, Samoa Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like AFI, URZ, STKA, WB2, WRAB, WRA, ASAR, ASPA, NVAR, ILAR.

NEIC 08 10:45:31.9.0.8, 29.98N, 83.01E, h10km, mb3.7/2, Error ellipse: s-maj=18.8km s-min=12.7km az=72.0

NDI 08 10:45:31.9.2.1, 29.15N, 84.56E, h10km, MD3.3, mb3.7(NEIC)

IDC 08 10:45:41.6.7.2, 30.30N, 83.60E, h68km, 61km, mb3.3/6, mb1 3.6/8, mb1mx3.4/24, mbt3.6/6, ML3.9/2, MS3.6/1, Ms1 3.6/1, ms1mx2.7/18, Error ellipse: s-maj=62.7km s-min=21.0km az=62.0

ISC 08 10:45:35.7.2.2, 30.44N, 0.08, 84.16E, 0.07, h17km, 17km, n18, c1947/19, mb3.4/7, MS3.6/1, Xizang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like PTH, LGTI, DDI, LSA, NDI, SHL, MKAR, CMAR, KURK, ZAL, SONM, BVAR, CHKZ, FINES, WRA, ILAR, YKA, YKA.

IDC 08 10:47:02.2.2.5, 30.10N, 82.91E, mb3.5/5, mb1 3.8/6, mb1mx3.6/21, mbt3.6/6, ML3.6/1, Error ellipse: s-maj=79.7km s-min=27.4km az=69.0

NEIC 08 10:47:04.9.1.3, 30.17N, 83.23E, h10km, mb3.7/2, Error ellipse: s-maj=28.5km s-min=11.2km az=56.0

ISC 08 10:47:14.4.1.3, 30.50N, 1.0, 84.09E, 0.08, h76km, 18km, n12, c051/13, mb3.6/3, Xizang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like LGTI, LGTI, LSA, MKAR, CMAR, KURK, ZAL, ZAL, SONM, ULN, WRA.

0.4nm, 0.8s, mb3.3, baz=324, slow=6.4, SNR=6.0 ILAR Eielson Array 77.08 20 P 10 59 00.7 +0.1

0.4nm, 0.8s, mb3.2, baz=313, slow=5.4, SNR=4.8 YKA Yellowknife Arr 86.11 9 P 10 59 47.1 -0.4

IDC 08 11:00:40.0.4.6, 1.47N, 97.80E, mb3.3/3, mb1 3.5/3, mb1mx2.3/18, mbt3.6/3, MS3.3/1, Ms1 3.3/1, ms1mx2.3/17, Error ellipse: s-maj=170.6km s-min=31.4km az=59.0, Northern Sumatara

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

NEIC 08 11:02:10.9.1.5, 30.11N, 83.19E, h10km, mb3.8/1, Error ellipse: s-maj=34.7km s-min=12.8km az=55.0

IDC 08 11:02:17.2.7.8, 30.29N, 83.61E, h46km, 64km, mb3.2/4, mb1 3.5/6, mb1mx3.3/23, mbt3.6/6, ML3.1/1, Error ellipse: s-maj=94.2km s-min=24.9km az=68.0

ISC 08 11:02:14.9.0.8, 30.50N, 1.0, 84.28E, 0.09, h10km, n10, c1949/11, mb3.4/4, Xizang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like LGTI, LGTI, LSA, MKAR, KURK, ZAL, SONM, WRA, YKA.

NEIC 08 11:14:13.4.2.1, 9.03S, 130.32E, h76km, 23km, mb4.3/1, Error ellipse: s-maj=26.6km s-min=9.8km az=221.0

IDC 08 11:14:14.7.5.0.9, 13S, 130.02E, h88km, 51km, mb3.3/3, mb1 3.7/6, mb1mx3.5/15, mbt3.6/6, ML3.8/3, MS3.1/1, Ms1 3.1/1, ms1mx2.6/19, Error ellipse: s-maj=42.5km s-min=24.8km az=55.0

ISC 08 11:14:10.6.2.4, 9.03S, 0.08, 130.1E, 0.1, h66km, 26km, n10, c0976/15, mb3.7/4, Timor Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like FITZ, FITZ, WRAB, WRA, WB2, ASAR, ASAR, ULN, MKAR.

DJA 08 11:17:03.4.0.9, 9.70S, 117.39E, h33km, MD4.7/4, ML5.5/4, 3C-6D, Error ellipse: s-maj=29.9km s-min=17.3km az=28.0, Sumbawa region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like KEDI, KEDI, RATI, RATI, RATI, KEDI, SRDI, SRDI.

IDC 08 11:22:06.4.3.4, 4.29N, 95.46E, mb3.6/3, mb1 3.8/4, mb1mx3.5/21, mbt3.6/4, Error ellipse: s-maj=128.9km s-min=26.7km az=63.0, Northern Sumatara

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

IDC 08 11:26:41.2.1.8, 30.45N, 83.93E, mb3.7/5, mb4 0/6, mb1mx3.7/23, mbt3.6/6, MS3.0/2, Ms1 3/2, ms1mx2.8/36, Error ellipse: s-maj=49.0km s-min=29.1km az=12.0

BUI 08 11:26:42.7.30.40N, 83.90E, h10km, mb4.5, mb4.1 NEIC 08 11:26:42.8.9.0, 30.45N, 83.93E, h10km, mb3.9/2, Error ellipse: s-maj=25.8km s-min=14.2km az=222.0

NDI 08 11:26:50.5.4.8, 30.26N, 83.17E, h10km, ML3.8, mb3.9(NEIC)

ISC 08 11:26:40.6.0.6, 30.3N, 1.0, 83.78E, 0.06, h10km, n22, c1828/24, mb3.6/7, MS3.0/1, Xizang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like PTH, PTH, LGTI, LGTI, LGTI, JSHI, JSHI, JSHI, KALG, KALG, NDI, NDI, AGRA, AGRA.

comp=N, 53nm, 0.3s AGRA comp=E, 73nm, 0.5s AML AML 11 30 10.7

AYAN Aya Nagar 6.08 254 eP Pn 11 28 14.2 +1.5

LSA Lhasa 6.42 94 ePn Pn 11 28 22.6 +5.0

KHET Khetri 7.31 254 eP Pn 11 28 30.0 -0.1

KHET Khetri 11.80 257 eP Pn 11 29 52.8

JASL Jaisairam 11.80 257 eP Pn 11 29 25.8 -6.2

GTA Gaotai 15.97 51 eP AML AML 11 30 31.6 +4.7

CMAR Chiang Mai Arr 18.14 127 P P 11 30 54.5 +0.1

CMAR Chiang Mai Arr 18.14 127 P P 11 30 54.5 +0.1

KURK Kurchatov 20.75 351 eP Pn 11 31 21.6 -2.3

XAN Xi'an 21.59 74 P P 11 31 31.4 -1.1

XAN Xi'an 21.59 74 P P 11 31 40.3

SONM Songino Array 24.65 38 P P 11 32 03.5 +1.0

CHKZ Chkalov 25.23 341 P P 11 32 07.8 -0.1

GNI Gani 33.13 298 LR LR 11 49 22.2

BRTR Brestkin Array B 41.66 262 P P 11 49 32.9 +2.2

MLR Muntele Ros 47.10 306 P P 11 35 15.3 +0.9

ILAR Eielson Array 77.37 20 P P 11 38 35.6 -1.1

YKA Yellowknife Arr 86.35 8 P P 11 39 23.3 -0.3

NIED 08 11:33:00.33.10N, 136.90E, h11km, Mw4.0, Best double couple, M1, 17x1015 NP1, 9x91, 851, 1, 91, NP2, 2, 269, 839, 1, 88

IDC 08 11:33:22.0.7.33, 11N, 136.96E, mb4.0/17, mb1 4.2/20, mb1mx4.1/28, mbt3.4/20, ML3.9/3, MS2.9/3, Ms1 2.9/3, ms1mx2.5/38, Error ellipse: s-maj=19.5km s-min=16.4km az=34.0

NEIC 08 11:33:23.7.0.5.33, 11N, 136.96E, h10km, mb4.2/6, Error ellipse: s-maj=11.9km s-min=8.6km az=121.0

NEIC Recorded 1 JMAJ in Mie and Nara Prefectures. JMA 08 11:33:24.9.0.1, 33.11N, 136.93E, h38km, 4km, M4.2, JMA, Full JT

ISC 08 11:33:25.4.1.4, 33.16N, 0.03, 136.94E, 0.03, h32km, 10km, n14, c095/64, mb4.0/23, 9D, Near south coast of western Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like TK01, TK01, TK02, TK02, JWZ, JWZ, JKN2, JKN2, JIE, JIE, TK04, TK04, JWM, JWM, JWY, JWY, TSUJ, TSUJ, JHE, JHE, JAU2, JAU2, SHZ3, SHZ3, SHJ3, SHJ3, JAI, JAI, JIZS, JIZS, JHJ, JHJ, JHJ, JHJ, JHJ, JHJ, MAT, MAT, MAT, MAT, MJAR, MJAR, MJAR, MJAR.

MAJO Majo 3.53 17 eP Pn 11 34 19.7 +0.2

MAJO Majo 3.53 17 eP Pn 11 34 58.7 -2.0

CBJ Cichji jima 7.55 142 Pn 11 35 13.3 -2.9

CBJ Cichji jima 7.55 142 Pn 11 37 29.6

JOW Kunigami 9.81 232 LR LR 11 39 21.9

ASAJ Asahikawa 11.80 20 LR LR 11 40 47.2

SONM Songino Array 27.25 312 P P 11 39 09.3 +0.9

SONM Songino Array 27.25 312 P P 11 42 27.0 -1.2

CMAR Chiang Mai Arr 36.99 256 P P 11 40 33.8 -0.1

ZAL Zalesovo 41.98 316 P P 11 41 15.2 +0.5

MKAR Makanchi Arr 43.20 305 P P 11 41 26.1 +1.2

KURK Kurchatov 45.55 311 eP Pn 11 41 43.6 -0.1

CHKZ Chkalov 50.36 315 eP Pn 11 42 20.6 -0.6

BVAR Borovoye Array 50.55 314 P P 11 42 22.5 0.0

WRA Warrungarra Arr 52.86 183 P P 11 42 40.7 +0.2

ASAR Alice Springs 56.58 183 P P 11 43 05.2 -2.3

INK Inuvik 59.48 26 eP P 11 43 25.6 -1.6

AREO ARCCESS Array S 66.31 339 eP P 11 44 10.2 -2.1

RES Resolute Bay 67.23 13 eP P 11 44 17.0 -1.1

YKA Yellowknife Arr 68.97 28 P P 11 44 29.0 -0.1

FINES Finess Array B 70.50 32 P P 11 44 38.2 -0.3

SUMC Summit 74.50 359 eP P 11 45 03.7 +1.8

AKASE Akasaka 75.06 321 P P 11 45 05.0 -0.4

HFS Hagfors 76.05 334 P P 11 45 10.5 -0.4

NOA Norsar Array B 76.26 336 P P 11 45 13.4 +1.2

BRTR Brestkin Array B 76.30 312 P P 11 45 26.4 +0.9

FFC Filin Flon 78.92 30 P P 11 45 27.4 +0.5

NVAR Niina O. Beas 80.26 50 P P 11 45 36.3 +1.9

CLL Colim 82.94 328 P P 11 45 47.1 +1.0

PDAR Pinedale Array 82.93 43 P P 11 45 49.2 +0.6

KHC Kasperske Hory 83.83 327 eP P 11 45 54.0 +1.3

GERES GERES Array B 83.98 326 P P 11 45 54.2 +0.8

TXAR Lajtas Array 95.40 50 P P 11 46 49.5 +1.5

IDC 08 11:34:42.3.4.8, 18.13S, 177.74W, h549km, 53km, mb3.5/10, mb1 3.7/10, mb1mx3.5/18, mbt3.6/4, Error ellipse: s-maj=27.7km s-min=25.7km az=170.0

NEIC 08 11:34:43.1.4.3, 18.16S, 177.76W, h561km, 50km, mb4.3/2, Error ellipse: s-maj=28.8km s-min=20.5km az=194.0

ISC 08 11:34:37.7-1.0, 18.0S, 0.2-177.8W, 0.2, h500km, n20, c0570/14, mb4.0/10, Fiji Islands region

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

IDC 08 11:37:05.1-1.0, 35.32S, 53.88E, mb4.1/8, mb1 4.3/8, mb1mx4.0/21, mbtmp4.1/8, MS3.6/4, Ms1 3.6/4, ms1mx3.2/34, Error ellipse: s-maj=46.9km s-min=21.3km az=14.0

NEIC 08 11:37:06.0-0.6, 35.33S, 53.87E, h10km, Error ellipse: s-maj=28.8km s-min=12.9km az=194.0

ISC 08 11:37:05.1-1.0, 35.33S, 0.3-53.9E, 0.2, h10km, n15, c0548/9, mb4.0/8, MS3.5/4, Southwest Indian Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BOSA Boshof, LBTB Lobatse, MATP Matopo, SUR Sutherland, etc.

IDC 08 11:38:15.6-0.4, 23.08S, 169.29E, mb4.9/19, mb1 5.1/21, mb1mx5.0/23, mbtmp4.9/21, ML4.4/2, MS2.2/1, Ms1 5.2/21, ms1mx5.1/26, Error ellipse: s-maj=15.3km s-min=8.9km az=173.0

LDG 08 11:38:16.3-0.3, 23.02S, 169.55E, h10km, Mb5.4/3, Ms5.3/7, Error ellipse: s-maj=4.1km s-min=6.8km az=110.0

HRVD 08 11:38:17.5-0.1, 23.11S, 169.21E, h14km, NW5.8/79, Centroid moment Tensor Solution. LP body waves: s73.c162, Mantle waves: s79.c184; Half duration: 2s0

Moment tensor: Scale 10^17Nm; Mr=6.6e-07; Ms=6.74e-06; M0=0.08e-07; M1=1.37e-15; M2=0.40e-06; M3=0.59e-16; Best double couple: Mo=8.76e1017 NP1: phi=271, delta=83, lambda=83; NP2: phi=82, delta=51, lambda=95; Principal axes: T=6.909, Plg6; Azm178; N=0.68, Plg4; Azm86; P=6.844, Plg83; Azm320; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

BUI 08 11:38:17.8-0.2, 28.58S, 168.92E, h3km, mb6.1, mbs5.2, Ms5.6, Ms5.4

NEIC 08 11:38:17.5-0.1, 23.14S, 169.27E, h10km, mb5.3/53, MS5.4/138, MW6.1, Error ellipse: s-maj=4.8km s-min=4.5km az=87.0, Moment Tensor Solution. s37

Moment tensor: Scale 10^18Nm; Mr=1.3; Ms1.1; M2=0.18; M3=0.22; M4=0.01; M5=0.16; Best double couple: Mo=1.7e1018 NP1: phi=278, delta=83, lambda=78; NP2: phi=84, delta=88, lambda=95; Principal axes: T=1.81, Plg23; Azm178; N=-1.7, Plg5; Azm86; P=1.64, Plg67; Azm345;

SVSA 08 11:38:17.1, 23.27S, 169.25E, h10km, Mb5.3, BGS 08 11:38:21.5, 23.14S, 169.27E, h10km

MOS 08 11:38:21.2-1.4, 22.95S, 169.07E, h33km, mb5.5/38, MS5.5/18, Error ellipse: s-maj=9.0km s-min=8.7km az=102.9

ISC 08 11:38:16.8-0.2, 23.21S, 0.03-169.19E, 0.03, h15km, h15km, 2.3km, pp-P, n482, c098/209, mb5.2/79, MS5.4/169, 27C-2D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, NOUC Port Laguerre, WCU Waipu Caves, etc.

Table with columns: THZ Tophouse, RIV Riverview, KHZ Kahutara, etc. Includes stations like THZ Tophouse, RIV Riverview, KHZ Kahutara, etc.

Table with columns: KKM Kota Kinabalu, JHM Hachijo jima 2, JOW Kunigami, etc. Includes stations like KKM Kota Kinabalu, JHM Hachijo jima 2, JOW Kunigami, etc.







Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Prague, Praha, Valandovo, Edinburgh, etc.

DJA 08 11:46:00.7-0.8, 8.92S-115.27E, h101km, 7km, MD4.6/4, ML3.8/3.5C-3D, Error ellipse: s-maj=35.2km s-min=7.9km az=6.0, Bail region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes station Rati.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations Rati, KEDI, Keli, etc.

ICD 08 11:48:24.5-9.1, 23.06S-169.21E, mb3.8/3, mb1 4.0/4, mb1mx3.8/14, mbmp3.8/4, ML3.4/1, MS2.7/1, Ms12.6/7, ms1mx5.2/5, Error ellipse: s-maj=168.4km s-min=48.8km az=48.0

ISC 08 11:48:26.5-3.1, 23.12S-169.33E, h33km, n7, 0.65E, mb3.6/3, MS2.5/1, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations DZM, AFU, AFI, etc.

ICD 08 11:55:53.2-9.3, 20.24N-83.57E, mb3.7/4, mb1 3.8/6, mb1mx3.6/23, mbmp3.6/6, ML3.7/2, MS4.0/2, Ms1 4.0/2, ms1mx5.4/33, Error ellipse: s-maj=92.4km s-min=23.6km az=75.0

NEIC 08 11:55:53.2-1.3, 30.17N-83.06E, h10km, mb3.7/1, Error ellipse: s-maj=31.5km s-min=12.0km az=60.0

NDI 08 11:55:55.0-0.8, 31.01N-83.34E, h10km, MD3.1

ISC 08 11:55:55.0-0.7, 30.28N-0.09, 83.42E, h10km, n12, 0.154/12, mb3.5/4, MS4.4/1, Xizang

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations LGTI, DDI, NDI, LSA, MKAR, etc.

CSEM 08 12:03:22.7-0.2, 35.69N-49.01E, h2km, ML3.5, Error ellipse: s-maj=5.5km s-min=2.0km az=177.0

THR 08 12:03:23.7-0.8, 35.59N-48.85E, h14km, 7km, ML3.4

TEH 08 12:03:26.4, 35.64N-49.01E, h10km, Mn3.5

ISC 08 12:03:25.8-0.9, 35.55N-10.149, 05E, h10km, n20, 0.1504/21, Western Iran

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations IRAZ, ASAO, JMHD, etc.

ICD 08 12:08:07.5-3.2, 1.03N-96.86E, mb3.7/5, mb1 3.8/6, mb1mx3.8/19, mbmp3.6/6, ML4.0/1, Error ellipse: s-maj=124.9km s-min=21.8km az=61.0, Off west coast of northern Sumatra

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

ICD 08 12:10:27.6-3.4, 1.23N-97.31E, mb3.6/4, mb1 3.8/5, mb1mx3.6/20, mbmp3.6/5, ML4.1/1, Error ellipse: s-maj=120.1km s-min=28.8km az=60.0, Northern Sumatra

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

ICD 08 12:12:54.8-7.6, 0.50N-97.76E, mb3.9/4, mb1 4.0/5,

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations CMAR, SONM, MKAR, etc.

ICD 08 12:13:24.8-2.2, 17.21S-177.77W, mb3.8/4, mb1 4.2/4, mb1mx3.8/16, mbmp3.8/4, Error ellipse: s-maj=125.8km s-min=27.7km az=151.0, Fiji Islands region

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

ICD 08 13:04:08.6-1.4, 30.23N-83.33E, mb3.7/8, mb1 4.0/9, mb1mx3.7/24, mbmp3.7/9, ML3.6/1, Error ellipse: s-maj=41.3km s-min=22.3km az=51.0

NEIC 08 13:04:10.5-0.5, 30.25N-83.31E, h10km, mb4.0/1, Error ellipse: s-maj=13.0km s-min=9.0km az=68.0

MOS 08 13:04:11.1-1.0, 30.28N-83.37E, h33km, mb4.0/6, Error ellipse: s-maj=53.3km s-min=30.1km az=106.7

BUI 08 13:04:13.2, 30.24N-83.86E, h10km, mb3.7

NDI 08 13:04:19.0-3.7, 31.45N-82.41E, h10km, ML3.7, mb4.0(NEIC)

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations PTH, LGTI, JOSH, etc.

ICD 08 13:04:09.7-0.5, 30.33N-10.07, 83.47E, h10km, n35, 0.1534/37, mb3.6/8, Xizang

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations KALG, KLP, DDI, etc.

ICD 08 13:04:09.7-0.5, 30.33N-10.07, 83.47E, h10km, n35, 0.1534/37, mb3.6/8, Xizang

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations BHPH, HYB, POO, etc.

ICD 08 13:04:09.7-0.5, 30.33N-10.07, 83.47E, h10km, n35, 0.1534/37, mb3.6/8, Xizang

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations MKAR, CMAR, KURK, etc.

ICD 08 13:04:09.7-0.5, 30.33N-10.07, 83.47E, h10km, n35, 0.1534/37, mb3.6/8, Xizang

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

ICD 08 13:08:03.2-1.3, 8.20N-91.63E, h31km, 6km, mb3.8/7, mb1 3.8/8, mb1mx3.6/22, mbmp3.9/8, Error ellipse: s-maj=42.7km s-min=19.8km az=65.0

NEIC 08 13:08:03.8-0.7, 8.30N-91.61E, mb4.0/2, Error ellipse: s-maj=20.3km s-min=10.1km az=61.0

ISC 08 13:08:01.9-0.9, 8.3N-101.917E, h31km, (h30km, 1.1km; pP-P), n12, 0.0976/12, mb4.1/10, Nicobar Islands region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations CMAR, MKAR, SONM, etc.

ICD 08 13:08:03.2-1.3, 8.20N-91.63E, h31km, 6km, mb3.8/7, mb1 3.8/8, mb1mx3.6/22, mbmp3.9/8, Error ellipse: s-maj=42.7km s-min=19.8km az=65.0



Table with columns: YKA, YKA, YKA, FRB, INK, ILAR, PLCA, NORSA, NOA, ARCES, GERES, FINES, BOS, WRA, ASAR. Includes station names, times, and coordinates.

IDC 08 14:43:14.4,3.7, 1.22N-97.60E,mb3.6/5,mb1 3.8/5, mb1mx3.6/19,mbtmp3.6/5, Error ellipse: s-maj=159.9km s-min=22.5km az=58.0, Northern Sumatara

Table with columns: WRA, ASAR, SONM, MKAR, ZAL. Includes station names, times, and coordinates.

IDC 08 14:44:36.1,1.8, 0.04N-97.04E,h32km,7km,mb3.6/7, mb1 3.7/8, mb1mx3.5/19,mbtmp3.6/8, Error ellipse: s-maj=64.4km s-min=16.4km az=57.0

NEIC 08 14:44:36.5,1.1, 0.15N-97.14E, Error ellipse: s-maj=42.2km s-min=13.0km az=59.0

IDC 08 14:44:34.8,1.3, 0.2N-97.27E,0.3,h31km, h31km,2.1km:pp-P,n8,03/34/8,mb3.8/7,Northern Sumatara

Table with columns: CMAR, WRA, WRA, WRA, ASAR, SONM, SONM, MKAR, ZAL, FINES, ARCES. Includes station names, times, and coordinates.

IDC 08 14:57:18.0,1.9, 8.08N-91.64E,mb3.4/5,mb1 3.6/6, mb1mx3.5/22,mbtmp3.6/6,ML3.8/1, Error ellipse: s-maj=66.2km s-min=21.9km az=62.0,Nicobar Islands region

Table with columns: CMAR, MKAR, SONM, BVAR, WRA, ASAR. Includes station names, times, and coordinates.

IDC 08 15:11:45.6,10.0, 9.81S-118.98E,mb4.3/2,mb1 4.1/4, mb1mx3.7/17,mbtmp3.6/4,ML3.6/2, Error ellipse: s-maj=153.3km s-min=122.6km az=118.0,Sumbawa region

Table with columns: WRA, ASAR, CTA, STKA. Includes station names, times, and coordinates.

DJA 08 15:41:31.8,0.9, 8.67S-116.24E,h111km,5km,MD4.6/4, ML4.6/2,8C, Error ellipse: s-maj=40.0km s-min=14.7km az=0.0,Sumbawa region

Table with columns: KEDI, KEDI, RATI, KLI, SRDI. Includes station names, times, and coordinates.

IDC 08 15:47:57.2,7.0, 1.67N-96.24E,mb3.7/3,mb1 3.8/4, mb1mx3.5/20,mbtmp3.6/4,ML2.9/1, Error ellipse: s-maj=135.2km s-min=62.9km az=21.0, Off west coast of northern Sumatara

Table with columns: CMAR, MKAR, SONM, MJAR. Includes station names, times, and coordinates.

Table with columns: CMAR, WRA, MKAR, SONM, ZAL. Includes station names, times, and coordinates.

IDC 08 15:59:31.3,1.2, 2.55N-95.86E,mb3.9/8,mb1 4.1/9, mb1mx3.9/20,mbtmp3.9/9,ML3.8/1,MS2.9/1,Mst 1.3/1, ms1mx2.7/18, Error ellipse: s-maj=61.5km s-min=17.6km az=57.0

BUJ 08 15:59:32.9,2.5, 2.50N-95.90E,h30km,mb4.6 MOS 08 15:59:34.6,0.7, 2.54N-95.84E,h33km,mb4.7/5, Error ellipse: s-maj=41.1km s-min=12.9km az=95.6

NEIC 08 15:59:36.0,0.5, 2.53N-95.91E,h30km,mb4.4/10, Error ellipse: s-maj=12.1km s-min=6.7km az=43.0

IDC 08 15:59:35.9,4.2, 2.61N-0.2, 96.0E,0.2,h44km,34km,n28, 05/52/28,mb4.2/19, Off west coast of northern Sumatara

Table with columns: KULM, CMAR, CMAR, JIRN, PKI, DMN, KKN, KKN, LSA, LSA, GKN, KOLN, FITZ, GTA, GTA, BJT, BJT. Includes station names, times, and coordinates.

Table with columns: WRA, WRA, WRA, WRA, ASAR, MKAR, SONM, KURK, KURK, ZAL, CHZK, CHZK. Includes station names, times, and coordinates.

Table with columns: CMAR, WRA, WRA, WRA, ASAR, MKAR, SONM, KURK, KURK, ZAL, CHZK, CHZK. Includes station names, times, and coordinates.

Table with columns: CMAR, WRA, WRA, WRA, ASAR, MKAR, SONM, KURK, KURK, ZAL, CHZK, CHZK. Includes station names, times, and coordinates.

IDC 08 16:00:11.9,2.2, 0.07S-128.86E,mb3.7/3,mb1 4.2/4, mb1mx3.7/17,mbtmp3.9/4,ML3.6/1, Error ellipse: s-maj=102.4km s-min=29.0km az=94.0,Halmahera

Table with columns: FITZ, WRA, ASAR, ASPA, ILAR. Includes station names, times, and coordinates.

NAO 08 16:11:34.8,2.6, 57.25N-10.95E,ML2.2 BER 08 16:11:35.2,5.7, 57.17N-10.86E,MD3.0,ML2.2, ML2.2(NAO)

IDC 08 16:11:32.4,0.7, 57.27N-10.03,10.72E,0.07,n13,015/23, Denmark

Table with columns: MUD, MUD, COP, COP, SMART, SMART. Includes station names, times, and coordinates.

Table with columns: KONO, BLSS, BLSS, BSD, BSD, BSD, HFS, HFS, HFS, ODD1, ODD1, ODD1. Includes station names, times, and coordinates.

Table with columns: KMY, NB2, NB2, EGD, ASK, FIAO. Includes station names, times, and coordinates.

Table with columns: FIAO, Lg. Includes station names, times, and coordinates.

IDC 08 16:13:11.4, 1.2, 2.07N-127.47E,mb3.8/8,mb1 4.0/8, mb1mx3.8/19,mbtmp3.9/8, Error ellipse: s-maj=73.6km s-min=15.7km az=68.0

NEIC 08 16:13:20.4,0.6, 1.96N-127.41E,h75km,mb3.8/4, Error ellipse: s-maj=36.3km s-min=7.1km az=68.0

IDC 08 16:13:18.8,0.8, 2.0N-0.2, 127.3E,0.3,h75km,n14, 03/30/14,mb3.7/10, Halmahera

Table with columns: FITZ, FITZ, WRA, WRA, WB2, ASAR, CMAR, STKA, STKA, SONM, MKAR, KURK, BVAR, CHZK. Includes station names, times, and coordinates.

KNET 08 16:14:5.0,7.4, 1.74N-72.32E,h7km,3km,ml2.5, Error ellipse: s-maj=7.2km s-min=3.9km az=163.0

NNC 08 16:14:4.4, 2.4, 4.189N-72.23E,mpv3.0, Error ellipse: s-maj=46.0km s-min=14.2km az=57.0

IDC 08 16:14:31.3, 1.6, 4.16N-0.7, 127.12E,0.07,h10km,n10, 1/26/19,6C-13D,Kyrgyzstan

Table with columns: AML, AML, EKS2, EKS2, UCH, UCH, KK31, AAK, AAK, AAK, KBK, KBK, KZA, KZA, CHMS, CHMS, USP. Includes station names, times, and coordinates.

IDC 08 16:40:30.8,3.2, 1.97N-97.24E,mb3.6/5,mb1 3.7/5, mb1mx3.5/20,mbtmp3.6/5, Error ellipse: s-maj=131.9km s-min=26.6km az=55.0,Northern Sumatara

Table with columns: WRA, SONM, MKAR, BVAR. Includes station names, times, and coordinates.

IGQ 08 16:52:26.5, 0.53S-80.84W,h44km,2km,mb4.1,6C-6D, Error ellipse: s-maj=7.8km s-min=2.7km az=28.3,Near coast of Ecuador

Table with columns: HOJA, JAMA, MAGD, JUA2, JUA2, JOR1, PINO, TERV, GGP, YANA, NAS1, NAS1, IGUA, IGUA, VCI, TAMO, PISA, ARRY, ARRY, ULBA, ULBA, COTA, COTA, ANTI, LORE, CAYR, CAYR, CAYA, ECEN, ECEN. Includes station names, times, and coordinates.

IDC 08 16:59:08.0,2.0, 15.84N-93.29E,mb3.2/3,mb1 3.6/3, mb1mx3.3/21,mbtmp3.3/3,ML3.9/1,MS3.9/1, Error ellipse: s-maj=43.3km s-min=28.7km az=57.0,Bay of Bengal

Table with columns: CMAR, CMAR, MKAR. Includes station names, times, and coordinates.







Table with columns: YSS, Station Name, Time, Res. Includes stations like 68nm,0.5s, 130nm,0.8s, 160nm,0.8s, 70nm,0.5s, 100nm,0.5s, 19nm,0.4s, 252nm,0.8s, 250nm,0.8s, 67nm,0.6s, 60nm,0.8s, 20nm,0.8s, 23nm,0.8s, 20nm,0.8s, 23nm,0.8s, 20nm,0.8s, 23nm,0.8s, 20nm,0.8s, 23nm,0.8s.

IDC 08 17:19:53.8.2.1, 0.99N-97.34E, mb4.1/8, mb1 4.2/9, mb1mx3.9/22, mb1mp4.0/9, ML3.9/1, Error ellipse: s-maj=93.2km s-min=15.6km az=59.0

NEIC 08 17:19:58.9.0.6, 1.04N-97.41E, h30km, mb4.3/8, Error ellipse: s-maj=17.2km s-min=7.9km az=59.0

ISC 08 17:19:56.8.0.8, 1.06N, 0.09S-97.4E, 0.1, h30km, n21, 0.090/21, mb4.3/16, Northern Sumatara

Table with columns: Code, Station Name, Time, Res. Includes stations like KULM, CMAR, KKM, MDRS, PKI, DMN, KKN, GKN, KOLN, ENH, FITZ, WRA, WRAB, WS2, ASAR, SONM, MKAR, STKA, ZAL, BVR, CHZK.

IDC 08 17:23:56.4.3.3, 0.38S-97.89E, mb3.5/3, mb1 3.8/4, mb1mx3.5/18, mb1mp3.6/4, ML3.9/1, Error ellipse: s-maj=114.1km s-min=27.1km az=59.0, Southwest of Sumatara

Table with columns: Code, Station Name, Time, Res. Includes stations like CMAR, WRA, SONM, MKAR, STKA, ZAL, BVR, CHZK.

IDC 08 17:32:58.3.3.4, 2.97S-121.96W, mb4.0/5, mb1 4.3/5, mb1mx3.9/17, mb1mp3.7/5, ML3.2/1, Error ellipse: s-maj=122.1km s-min=76.2km az=103.0, South Pacific Ocean

Table with columns: Code, Station Name, Time, Res. Includes stations like NVAR, PDAR, YKA, INK, SCHO, MKAR.

IDC 08 17:45:30.2.6.2, 4.42N-95.42E, mb3.8/4, mb1 4.0/5, mb1mx3.6/21, mb1mp3.7/5, ML3.2/1, Error ellipse: s-maj=195.5km s-min=25.4km az=71.0, Northern Sumatara

Table with columns: Code, Station Name, Time, Res. Includes stations like CMAR, FITZ, SONM, WRA, ASAR.

NEIC 08 17:50:07.2, 1.76N-98.15W, h17km, MD3.6(MEX), After MEX

MEX 08 17:50:06.7.0.7, 1.76N-98.13W, h16km, 13km, MD3.6, 1D, Near coast of Guerrero

Table with columns: Code, Station Name, Time, Res. Includes stations like SGCP, APVP.

Table with columns: PNIG, VHO, VHO, OXX, ACX, CAIG, Station Name, Time, Res. Includes stations like Pinotepa, Vista Hermosa, Oaxaca, Acapulco, El Cayaco.

OTT 08 17:55:36.3.0.3, 53.01N-66.87W, MN2.9/7, Blast, Labrador City, Ni Mining explosion, Labrador

Table with columns: Code, Station Name, Time, Res. Includes stations like SCHO, MNQ, SMQ, ICQ, GSO, LG4Q, LMQ, DRLN, LMN, VLDQ, VMO, SILO, MKAR.

IDC 08 17:59:58.8.3.9, 1.32S-100.02E, mb3.3/3, mb1 3.5/4, mb1mx3.3/17, mb1mp3.3/4, ML3.8/1, Error ellipse: s-maj=159.2km s-min=24.6km az=58.0, Southern Sumatara

Table with columns: Code, Station Name, Time, Res. Includes stations like CMAR, WRA, ASAR, MKAR.

IDC 08 18:05:35.8.2.2, 1.06N-97.07E, mb3.8/8, mb1 3.9/9, mb1mx3.8/22, mb1mp3.8/9, ML3.9/1, Error ellipse: s-maj=96.5km s-min=16.2km az=59.0

NEIC 08 18:05:40.6.0.6, 1.13N-97.18E, h30km, mb4.1/4, Error ellipse: s-maj=17.3km s-min=7.0km az=64.0

ISC 08 18:05:40.0.7.1, 1.2N, 0.2S-97.2E, 0.4, h41km, 55km, n16, 0.058/16, mb3.9/12, Northern Sumatara

Table with columns: Code, Station Name, Time, Res. Includes stations like KULM, CMAR, ENH, FITZ, WRA, WRAB, WS2, ASAR, SONM, MKAR, STKA, ZAL, BVR, CHZK.

IDC 08 18:09:08.4.1.1, 18.79N-122.53E, h146km, 80km, mb2.8/8, mb1 3.1/4, mb1mx2.9/22, mb1mp3.4/4, Error ellipse: s-maj=182.3km s-min=22.0km az=96.0

ISC 08 18:08:47.4.6.6, 18.9N, 0.120E, 0.2, h19km, 48km, n5, 0.092/7, mb3.2/3, Luzon

Table with columns: Code, Station Name, Time, Res. Includes stations like CVP, JOW, JOW, ASAR, ILAR.

IDC 08 18:10:14.8.3.4, 11.0, 18.79N-122.53E, h146km, 80km, mb2.8/8, mb1 3.1/4, mb1mx2.9/22, mb1mp3.4/4, Error ellipse: s-maj=182.3km s-min=22.0km az=96.0

NEIC 08 18:18:14.9.1.2, 19.84N-121.63E, h49km, 12km, mb4.0/3, Error ellipse: s-maj=13.7km s-min=7.0km az=67.0

MAN 08 18:18:16.9, 19.77N-121.36E, h52km, mb4.4, ML3.3, MS3.1

ISC 08 18:18:14.9.0.7, 19.93N, 0.04E-121.66E, 0.8, h166km, 8km, n25, 0.086/28, mb3.7/12, Philippine Islands region

Table with columns: APYP, CVP, ABRA, PALP, CALP, BALP, YHNB, JOW, JOW, CMAR, ULN, SONM, WRAB, WRA, WKB, MKAR, ZAL, ASAR, ASPA, CHZK, ARCES, FINES, YKA.

NEIC 08 18:23:25.7, 37.94S-176.34E, h179km, MG4.0(WEL), After WEL

WEL 08 18:23:25.6.0.2, 37.94S-176.33E, h178km, 2km, ML3.9/15, 1C-4D, Error ellipse: s-maj=3.0km s-min=3.0km az=90.0, North Island

Table with columns: Code, Station Name, Time, Res. Includes stations like URZ, URZ, MWZ, MGZ, BKZ, OTVZ, NGZ, CNZ, CNZ, WPVZ, WPVZ, KUZ, PUZ, MOVZ, MOVZ, MTXZ, MWZ, WAZ, PWZ, PSZ, KIW, MTW, CAW, PAWZ, MRW, MSWZ, NNZ, QRZ, GRZ, THZ, KHZ, KHZ, DSZ, LTZ, LTZ.

NEIC 08 18:25:23.6.2.0, 17.47S-174.13W, h78km, 11km, mb4.5/7, Error ellipse: s-maj=16.0km s-min=8.9km az=133.0

IDC 08 18:25:32.8.2.6, 17.69S-174.15W, h147km, 22km, mb4.2/7, mb1 4.3/8, mb1mx4.0/20, mb1mp4.7/8, Error ellipse: s-maj=24.1km s-min=13.7km az=116.0

ISC 08 18:25:23.6.2.0, 17.47S-174.2W, 0.1, h81km, 22km, n28, 0.084/23, mb4.7/11, 6C, Tonga Islands

Table with columns: Code, Station Name, Time, Res. Includes stations like AFI, AFI, AFI, DZM, DZM, URZ, RPZ, CTA, CTAO, STKA, STKA, WB2, WRAB, WRA, WRA, ASAR, ASAR.

NEIC 08 18:25:23.6.2.0, 17.47S-174.13W, h78km, 11km, mb4.5/7, Error ellipse: s-maj=16.0km s-min=8.9km az=133.0

IDC 08 18:25:32.8.2.6, 17.69S-174.15W, h147km, 22km, mb4.2/7, mb1 4.3/8, mb1mx4.0/20, mb1mp4.7/8, Error ellipse: s-maj=24.1km s-min=13.7km az=116.0

ISC 08 18:25:23.6.2.0, 17.47S-174.2W, 0.1, h81km, 22km, n28, 0.084/23, mb4.7/11, 6C, Tonga Islands

Table with columns: Code, Station Name, Time, Res. Includes stations like AFI, AFI, DZM, DZM, URZ, RPZ, CTA, CTAO, STKA, STKA, WB2, WRAB, WRA, WRA, ASAR, ASAR.





Table with columns: STA, Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JOW Kunigami, WRA Warramunga Arr, WRB Tennant Creek, etc.

Table with columns: GHO, Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GHO Glory Hole Cre, GGLM Capps Glacier, PMR Palmer, etc.

Table with columns: DDI, Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DDI Dehra Dun, DDI DDI, SLGI Shilguri, etc.

IDC 08 19:50:56.3z, 3.3, 0.76N-97.53E, mb3.71, mbl1 3/9.5, mb1mx3.7/20, mbtmpp3.7/5, ML4.0/1, Error ellipse: s-maj=120.5km s-min=22.2km az=63.0, Northern Sumatra

DMN 08 19:51:31.0, 0.8, 30.73N-83.53E, h10km, M5.2/6, Error ellipse: s-maj=18.4km s-min=14.1km az=57.0

BUI 08 19:51:33.4, 3.0, 37.7N-143.59E, h17km, mB5.0, mb4.7, Ms4.9, Ms2.7

LDG 08 19:51:33.6, 0.1, 30.50N-83.36E, h10km, Mb5.1/5, Ms4.0/5, Error ellipse: s-maj=10.6km s-min=5.6km az=52.0

HRVD 08 19:51:35.5, 0.3, 30.25N-83.76E, h20km, MW5.0/4.7, Centroid moment Tensor Solution. LP body waves: s33, c43, Mantle waves: s47, c92; Half duration: 0 Moment tensor: Scale 10^19Nm; Mr-3.84z; 2; M0-1.15z; 17; Mw-4.99z; 16; M0-2.02z; 46; Mw-0.75z; 12; Mw-0.07z; 30; Best double couple: M4.469x10^16 NP1.3z177, 845, 1-84, NP2.3z349, 846, 1-96. Principal axes: T, 5.082, Plg4, Azm83; N-1.227, Plg4, Azm353; P-3.855, Plg86, Azm181; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 08 19:51:35.5, 0.2, 30.53N-83.67E, h10km, mb5.1/5.3, Error ellipse: s-maj=6.6km s-min=4.3km az=48.0

MOS 08 19:51:36.8, 1.3, 30.41N-83.60E, h33km, mb5.1/5.1, MS4.2/21, Error ellipse: s-maj=7.5km s-min=4.7km az=122.6

NDI 08 19:51:36.0, 5.3, 30.45N-83.70E, h10km, mb5.2, ML4.9, mb5.1 (NEIC)

IDC 08 19:51:37.1, 4.0, 30.43N-83.75E, h21km, 25km, mb4.6/3.3, mb1.4/7.35, mb1mx4.7/36, mbtmpp4.7/35, ML4.1/2, MS4.1/14, Ms1.4/2/14, ms1mx3.9/33, Error ellipse: s-maj=14.2km s-min=9.4km az=41.0

ISC 08 19:51:33.9, 0.7, 30.37N-0.02z-83.65E, 0.02, h14km, 4km, n308, r1518/326, mb4.8/9.7, MS4.3/51, 19C-12D, Xizang

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GKN Gorkha, KOLN Koldanda, KKN Kakani, etc.

Table with columns for city/country codes (LZH, LZH, comp=Z, etc.), status (SS, AMB, etc.), and numerical values (19 59 20.0 -1.9, etc.).

Table with columns for city/country codes (BJI, BJI, comp=Z, etc.), status (pP, sP, etc.), and numerical values (19 57 31.7 +0.1, etc.).

Table with columns for city/country codes (AKASG, AKASG, comp=Z, etc.), status (P, P, etc.), and numerical values (19 59 49.0 -0.9, etc.).

8d 20h

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl, Azimuth Whimper, Elevation Whimper, Azimuth Whine, Elevation Whine, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl, Azimuth Whimper, Elevation Whimper, Azimuth Whine, Elevation Whine.

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Table with columns: STKA, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl, Azimuth Whimper, Elevation Whimper, Azimuth Whine, Elevation Whine.

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Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl, Azimuth Whimper, Elevation Whimper, Azimuth Whine, Elevation Whine.







Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like ZAL Zalesovo, BVAR Borovoye Array, SONM Songoing Array, ZAK Zakamensk, etc.

NEIC 08 22:22:10.5, 0.8, 0.62N-98.08E, mb4.1/2, Error ellipse: s-maj=25.4km s-min=10.8km az=63.0

IDC 08 22:22:12.4, 1.5, 1.01N-98.56E, h29km, 4km, mb3.7/7, mb1 3.8/8, mb1mx3.7/23, mbtmp3.8/8, ML3.4/1, Error ellipse: s-maj=70.0km s-min=14.1km az=60.0

ISC 08 22:08:21.0, 0.61N, 1.09E, 0.2, h29km, h22km, 1.6km, pp-P, 1.4, 0.66E, 1.2, mb3.9/9, Northern Sumatera

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like KULM Kulim, CMAR Chiang Mai Arr, WRA Warrungama Arr, etc.

JMA 08 22:29:56.2, 0.5, 23.92N-122.33E, h20km, M3.1 TAP 08 22:29:58.2, 24.06N-122.43E, h3km, ML3.3, Taiwan region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like YOJ Yonaguni jima, YOJ Yonaguni, IRIF Iriomote-Funau, etc.

NEIC 08 22:31:09.4, 51.38N-175.89W, h14km, ML3.9(AEIC), After AEIC, Andean/Of Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like GSTD Great Sitkin T, GSTR Great Sitkin T, ADAG Mount Adagdak, etc.

CSEM 08 22:32:49.9, 0.5, 37.75N-25.39W, h3km, ML2.7, After PDA PDA 08 22:32:49.9, 0.7, 37.75N-25.39W, h3km, 1km, MD2.3, ML2.7, Error ellipse: s-maj=1.8km s-min=1.0km az=162.0

SVSA 08 22:32:49.9, 0.7, 37.75N-25.39W, h3km, 1km, MD2.3, ML2.7, Error ellipse: s-maj=1.8km s-min=1.0km az=162.0, Azores Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like PCNG Congro, FRA1 Firas, VIF Vila Franca, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like CML Cha da Macela, FAC Faja de Cima, PSET Sete Cidades, etc.

IDC 08 22:45:56.2, 2.9, 7.8N-93.58E, mb3.7/5, mb1 3.9/5, mb1mx3.6/20, mbtmp3.7/5, Error ellipse: s-maj=100.6km s-min=22.1km az=60.0, Nicobar Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like MKAR Makanchi Array, SONM Songoing Array, WRA Warrungama Arr, etc.

CASC 08 22:50:06.3, 1.4, 10.83N-86.40W, h21km, 7km, MD3.5, 2C-3D, Off coast of Costa Rica

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like CONN Concepcion, CONN El Cucerio, TIGN Ticuantepe, etc.

IDC 08 22:53:04.9, 1.5, 2.82N-144.04E, mb3.8/7, mb1 3.9/8, mb1mx3.7/23, mbtmp3.8/8, ML3.6/1, MS3.2/1, ms1mx2.3/37, Error ellipse: s-maj=64.6km s-min=18.0km az=79.0

NEIC 08 22:53:21.8, 0.9, 22.67N-143.64E, h135km, mb4.2/1, Error ellipse: s-maj=38.6km s-min=12.3km az=78.0

ISC 08 22:53:06.3, 2.2, 9N, 1.1x14.1E, 0.6, h26km, 46km, n12, 0.674/11, mb3.8/8, Volcano Islands region

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

IDC 08 23:18:50.2, 2.0, 33.59N-142.42E, mb3.4/3, mb1 3.5/5, mb1mx3.3/23, mbtmp3.4/5, ML3.0/2, Error ellipse: s-maj=43.3km s-min=22.3km az=51.0

JMA 08 23:18:50.0, 4.3, 37.76N-142.49E, h12km, M3.2 ISC 08 23:18:50.1, 4.3, 37.76N-142.49E, h12km, M3.2, n17, f102/27, mb3.5/3, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like BS01 Boso 1, BS02 Boso 2, BS03 Boso 3, etc.

MAT Matsushiro 4.47 310 P S 23 19 44.8 +2.5

MJAR Matsushiro Arr 4.47 310 P S 23 19 44.8 +2.5

WRA Warrungama Arr 53.94 189 P S 23 28 14.1 +0.7

ASAR Alice Springs 57.66 189 P S 23 28 41.7 +0.1

IDC 08 23:23:47.9, 24.0, 23.06S-179.77W, h577km, 219km, mb3.3/5, mb1 3.4/5, mb1mx3.1/17, mbtmp4.3/5, 1D, Error ellipse: s-maj=196.5km s-min=101.9km az=84.0, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like CTA Charters Tower, STKA Stephens Creek, ASAR Alice Springs, etc.

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

IDC 08 23:31:46.8, 1.1, 9.81S-116.28E, h33km, MD4.7/4, ML4.8/4, 2C-4D, Error ellipse: s-maj=28.8km s-min=16.5km az=130.0, Sumbawa region

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

IDC 08 23:40:05.3, 0.6, 60.61N-0.04, 34.7E, 0.1, h13km, 7km, n7, 0.82/12, Turkey

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

IDC 08 23:43:46.2, 0.2, 37.23N-71.66E, h102km, 139km, mb3.2/2, mb1 3.1/5, mb1mx3.0/23, mbtmp3.4/5, ML3.4/3, Error ellipse: s-maj=176.9km s-min=36.7km az=12.0

NINC 08 23:43:46.4, 8.5, 37.73N-71.41E, mpv3.8, Error ellipse: s-maj=66.5km s-min=52.1km az=175.0

ISC 08 23:43:40.9, 1.3, 37.07N-0.05, 71.7E, 0.2, h120km, 15km, n20, f113/25, mb3.3/2, 4C-1D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like AML Almayashu, UCH Uchtor, THN Thein Dam, etc.

CSEM 08 22:32:49.9, 0.5, 37.75N-25.39W, h3km, ML2.7, After PDA PDA 08 22:32:49.9, 0.7, 37.75N-25.39W, h3km, 1km, MD2.3, ML2.7, Error ellipse: s-maj=1.8km s-min=1.0km az=162.0

SVSA 08 22:32:49.9, 0.7, 37.75N-25.39W, h3km, 1km, MD2.3, ML2.7, Error ellipse: s-maj=1.8km s-min=1.0km az=162.0, Azores Islands

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













Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CD2 Chengdu, FITZ Fitzroy Crossi, MKAR Makanchi Array, etc.

MAN 09:02:05:06.3, 6.82N<126.71E, h15km, mb4.2, ML3.0, MS2.7, 1C-1D, Mindanao

IDC 09:02:07:16:0.6, 1.37N<97.06E, mb4.4/15, mb1 4.5/16, mb1mx4.4/22, mbtmp4.4/16, ML4.4/1, Error ellipse: s-maj=26.2km s-min=1.9km az=69.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KULM Kulim, CMAR Chiang Mai Arr, KMI Kunming, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GYA Guiyang, MAW Mawson, STKA Stephens Creek, etc.

Table with columns: XAN, NJ2, NJ2, etc. Includes stations like XAN comp=Z,36nm,1.0s,mb5.3, NJ2 Nanjing, etc.

WMQ 09:02:07:16:0.6, 1.37N<97.06E, mb4.4/15, mb1 4.5/16, mb1mx4.4/22, mbtmp4.4/16, ML4.4/1, Error ellipse: s-maj=26.2km s-min=1.9km az=69.0

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

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

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

Table with columns: GNI, GNI, SVE, etc. Includes stations like GNI Garni, SVE Sverdllovsk, etc.

IDC 09:02:08:27:5.0, 4.710S<100.12E, mb4.4/11, mb1 4.5/11, mb1mx4.5/14, mbtmp4.4/11, MS5.3/24, Ms1 5.4/24, ms1mx5.2/28, Error ellipse: s-maj=24.3km s-min=15.6km az=143.0

HRVD 09:02:08:28:3.0, 4.730S<100.09E, h12km, MW5.7/81, Centroid moment Tensor Solution. LP body waves: s71,c137,Mantle waves: s81,c174, Hal duration: 187

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NWAO Narrogin (SRO), CASY Casey, MAW Mawson, etc.















ms1mx3.2/24, Error ellipse: s-maj=30.4km s-min=14.4km az=57.0
MOS 09 06:44:08.8.2.4, 1.85N-97.90E, h33km, mb4.8/11, Error ellipse: s-maj=50.0km s-min=16.6km az=109.1
NEIC 09 06:44:08.9.0.4, 1.77N-97.90E, h33km, mb4.5/10, Error ellipse: s-maj=13.9km s-min=7.9km az=57.0

THE 09 07:20:10.3, 39.84N-23.73E, h10km, ML2.5
ATH 09 07:20:11.3, 40.03N-23.30E, h30km, MD3.0/3
CSEM 09 07:20:11.8.0.2, 39.97N-23.68E, h10km, ML2.5, Error ellipse: s-maj=7.9km s-min=3.2km az=109.0

MKAR Makanchi Array 46.02 347 P P 08 01 54.6 -1.6
SONM Songino Array 46.20 9 P P 08 01 56.0 -1.5
BVAR Borovoye Array 54.99 341 P P 08 03 01.6 -2.9

ISC 09 06:44:07.3.0.5, 1.81N-97.97E, h30km, n49, az=112.45, mb4.5/28, MS3.9/3, 1C-1D, Northern Sumatara

Code Station Name Az AZZ Phase ID Time Res h m s ISC
PAIG Paiouri 0.05 310 Op ISC 07 20 13.1 +0.6

ISK 09 08:05:47.0, 38.31N-26.79E, h31km, MD2.8
ATH 09 08:05:48.1, 38.05N-26.82E, h33km, 7km, MD3.0/3
CSEM 09 08:05:48.0.0.3, 38.12N-26.89E, h15km, MD2.8, Error ellipse: s-maj=1.2km s-min=0.6km az=108.0

CMAR Chiang Mai Arr 16.58 3 Pn P 06 48 02.1 +2.7
SHL Shilong 24.32 347 eP P 06 49 23.0 -0.7
HYB Hyderabad 24.54 310 iP P 06 49 28.0 +2.1

THE Thessaloniki 0.94 322 eP P 07 20 28.9 -0.1
THE Thessaloniki 0.94 322 eP P 07 20 28.9 -0.1
THE Thessaloniki 0.94 322 eP P 07 20 28.9 -0.1

ISC 09 08:05:48.5.0.5, 38.15N-0.02-26.77E, 0.04, h15km, n17, az=135.29, Aegean Sea

CMAR Chiang Mai Arr 16.58 3 Pn P 06 48 02.1 +2.7
SHL Shilong 24.32 347 eP P 06 49 23.0 -0.7
HYB Hyderabad 24.54 310 iP P 06 49 28.0 +2.1

THE Thessaloniki 0.94 322 eP P 07 20 28.9 -0.1
THE Thessaloniki 0.94 322 eP P 07 20 28.9 -0.1
THE Thessaloniki 0.94 322 eP P 07 20 28.9 -0.1

BLCB Balceva 0.32 42 iP P 08 05 54.2 -1.2
BLMG Samos 0.44 173 eP P 08 05 57.0 -0.5
BLMG Samos 0.44 173 eP P 08 05 57.0 -0.5

PKI Pulchoki 28.28 336 eP P 06 50 07.7 +0.4
GUN Gumba 28.39 337 eP P 06 50 01.1 -0.2
DMN Daman 28.43 336 eP P 06 50 01.1 -0.6

ISC 09 07:35:59.3.1.2, 15.43S-173.42W, mb4.5, mb1 4.3/6, mb1mx3.9/19, mbtmp4.1/6, ML2.7/1, MS3.3/3, Mst 3.3/3, ms1mx2.8/30, Error ellipse: s-maj=50.9km s-min=20.7km az=134.0

Code Station Name Az AZZ Phase ID Time Res h m s ISC
BLCB Balceva 0.32 42 iP P 08 05 54.2 -1.2
BLMG Samos 0.44 173 eP P 08 05 57.0 -0.5

KOL Koldanda 29.22 333 eP P 06 50 08.2 -0.6
NWAO Narogin (SRO) 30.98 154 P P 06 51 35.4 +1.8
WRA Warramunga Arr 41.77 123 P P 06 51 55.1 -0.9

ISC 09 07:36:02.0.0.9, 15.45-0.2-173.4W, 0.2, h33km, n8, az=112.7, mb4.0/5, MS3.4/2, Tonga Islands

Code Station Name Az AZZ Phase ID Time Res h m s ISC
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

WRAB Tennant Creek 41.77 123 eP P 06 51 55.5 -0.5
WRAB Tennant Creek 41.77 123 eP P 06 51 55.5 -0.4
WB2 Warramunga Arr 41.77 123 iP P 06 51 55.5 -0.5

AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

Code Station Name Az AZZ Phase ID Time Res h m s ISC
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

ASAR Alice Springs 43.20 128 P P 06 52 07.5 -0.1
ASAR Alice Springs 43.20 128 P P 06 52 07.5 -0.1
ASAR Alice Springs 43.20 128 P P 06 52 07.5 -0.1

AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

Code Station Name Az AZZ Phase ID Time Res h m s ISC
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

SONM Songino Array 46.4 8 P P 06 52 32.8 -0.4
SONM Songino Array 46.4 8 P P 06 52 32.8 -0.4
SONM Songino Array 46.4 8 P P 06 52 32.8 -0.4

AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

Code Station Name Az AZZ Phase ID Time Res h m s ISC
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

ULN Ulanbaatar 46.56 8 P P 06 52 34.6 +0.4
ULN Ulanbaatar 46.56 8 P P 06 52 34.6 +0.4
ULN Ulanbaatar 46.56 8 P P 06 52 34.6 +0.4

AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

Code Station Name Az AZZ Phase ID Time Res h m s ISC
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

MKAR Makanchi Array 46.83 345 iP Pmax 06 52 35.7 -0.6
MKAR Makanchi Array 46.83 345 iP Pmax 06 52 35.7 -0.6
MKAR Makanchi Array 46.83 345 iP Pmax 06 52 35.7 -0.6

AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

Code Station Name Az AZZ Phase ID Time Res h m s ISC
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

MJAR Matsushiro Arr 50.77 42 LR 07 14 43.7
KURK Kurchatov 51.40 344 eP Pmax 06 53 10.6 -0.9
KURK Kurchatov 51.40 344 eP Pmax 06 53 10.6 -0.9

AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

Code Station Name Az AZZ Phase ID Time Res h m s ISC
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

ZAL Zalesovo 53.07 350 P P 06 53 23.7 -0.3
BVAO Borovoye Array 55.92 340 P Pmax 06 53 43.3 -1.5
BVAO Borovoye Array 55.92 340 P Pmax 06 53 43.3 -1.5

AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

Code Station Name Az AZZ Phase ID Time Res h m s ISC
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

BVAR Borovoye Array 55.92 340 P Pmax 06 53 43.7 -1.1
BVAR Borovoye Array 55.92 340 P Pmax 06 53 43.7 -1.1
BVAR Borovoye Array 55.92 340 P Pmax 06 53 43.7 -1.1

AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

Code Station Name Az AZZ Phase ID Time Res h m s ISC
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

KMB Kodaibo 57.29 10 LR 06 53 53.1 -1.5
KMB Kodaibo 57.29 10 LR 06 53 53.1 -1.5
KMB Kodaibo 57.29 10 LR 06 53 53.1 -1.5

AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

Code Station Name Az AZZ Phase ID Time Res h m s ISC
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

SVE Sverdlovsk 62.39 338 iP Pmax 06 54 32.5 +2.9
KIV Kislovodsk 64.31 319 eP Pmax 06 54 44.8 +2.4
KIV Kislovodsk 64.31 319 eP Pmax 06 54 44.8 +2.4

AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

Code Station Name Az AZZ Phase ID Time Res h m s ISC
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

SOC Sochi 66.15 318 eP Pmax 06 54 51.8 -2.4
SOC Sochi 66.15 318 eP Pmax 06 54 51.8 -2.4
SOC Sochi 66.15 318 eP Pmax 06 54 51.8 -2.4

AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

Code Station Name Az AZZ Phase ID Time Res h m s ISC
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

BRTR Keskin Array B 69.23 312 P P 06 55 13.0 -0.6
MATP Matopo 71.40 248 P P 06 55 28.4 +1.3
OBN Obninsk 72.48 328 eP Pmax 06 55 37.7 +4.7

AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

Code Station Name Az AZZ Phase ID Time Res h m s ISC
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

AKASG Malin Array Be 75.21 322 P P 06 55 47.5 -1.4
BOSA Boshof 79.89 240 LR 07 24 25.6
FINES FINESS Array B 79.79 332 P P 06 56 14.2 +0.1

AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

Code Station Name Az AZZ Phase ID Time Res h m s ISC
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

KAF Kangasniemi 79.86 333 eP Pmax 06 56 14.3 -0.1
KAF Kangasniemi 79.86 333 eP Pmax 06 56 14.3 -0.1
KAF Kangasniemi 79.86 333 eP Pmax 06 56 14.3 -0.1

AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

Code Station Name Az AZZ Phase ID Time Res h m s ISC
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

ARCES ARCES Array B 82.82 314 P P 06 56 26.9 +0.3
GERES GERES Array B 84.83 319 P P 06 56 41.6 +1.3
NB2 NORARS Subarra 86.82 331 P P 06 56 50.3 +0.4

AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

Code Station Name Az AZZ Phase ID Time Res h m s ISC
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

NB2 NORARS Subarra 86.82 331 P P 06 56 50.3 +0.4
NOA NORARS Array B 86.82 331 P P 06 56 50.5 +0.5
TXAR Lajitas Array 142.79 32 PKP PKP 07 03 38.1 -5.5

AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

Code Station Name Az AZZ Phase ID Time Res h m s ISC
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

ISC 09 06:48:42.1.3.2, 16.26S-173.32W, mb3.9/4, mb1 4.2/4, mb1mx3.8/18, mbtmp3.3/3, Error ellipse: s-maj=173.3km s-min=26.2km az=146.0, Tonga Islands region

AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

Code Station Name Az AZZ Phase ID Time Res h m s ISC
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

RAO Raoul Island 10.76 204 LR 07 01 21.8
ASAR Alice Springs 49.35 255 P P 07 04 54.9 -3.0
WRA Warramunga Arr 49.35 255 P P 07 04 57.4 -1.1

AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

Code Station Name Az AZZ Phase ID Time Res h m s ISC
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

YKA Yellowknife Arr 93.62 23 P P 07 04 57.2 -1.4
ISC 09 06:50:04.5.6.4, 19.43S-172.99W, mb3.6/3, mb1 3.8/3, mb1mx3.6/18, mbtmp3.5/3, MS3.5/1, Ms1 3.5/1, ms1mx2.8/27, Error ellipse: s-maj=338.6km s-min=42.2km az=148.0, Tonga Islands region

AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

Code Station Name Az AZZ Phase ID Time Res h m s ISC
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

Code Station Name Az AZZ Phase ID Time Res h m s ISC
PAIG Paiouri 0.05 310 Op ISC 07 20 13.1 +0.6

ISC 09 07:35:59.3.1.2, 15.43S-173.42W, mb4.5, mb1 4.3/6, mb1mx3.9/19, mbtmp4.1/6, ML2.7/1, MS3.3/3, Mst 3.3/3, ms1mx2.8/30, Error ellipse: s-maj=50.9km s-min=20.7km az=134.0

ISC 09 07:37:53.8.11.0, 13.63N-93.25E, h101km, mb4km, mb3.1/3, mb1 3.3/4, mb1mx3.1/21, mbtmp3.4/4, ML4.0/1, Error ellipse: s-maj=112.4km s-min=26.0km az=62.0, Andaman Islands region

ISC 09 07:38:36.7.1.0, 8.70S-116.35E, h15km, MD4.6/2, 2C-4D, Error ellipse: s-maj=22.5km s-min=16.0km az=108.0, Sumbawa region

ISC 09 07:43:49.1.2.4, 0.41N-97.22E, mb3.7/6, mb1 3.9/7, mb1mx3.7/20, mbtmp3.7/7, ML3.9/1, Error ellipse: s-maj=98.7km s-min=20.3km az=58.0

ISC 09 07:43:52.1.1.8, 0.50N-102.97E, 2.0.4, h33km, n8, az=61/7, mb3.7/6, Northern Sumatara

JMA 09 07:52:04.5.0.2, 24.88N-122.00E, h50km, M2.5
TAP 09 07:52:03.4, 24.54N-121.84E, h12km, ML3.2, Taiwan

ISC 09 07:53:29.1.3.2, 2.27N-96.44E, mb3.5/4, mb1 3.6/4, mb1mx3.4/20, mbtmp3.5/4, MS3.0/1, Ms1 3.2/1, ms1mx2.6/19, Error ellipse: s-maj=127.2km s-min=27.3km az=55.0, Northern Sumatara

Code Station Name Az AZZ Phase ID Time Res h m s ISC
BLCB Balceva 0.32 42 iP P 08 05 54.2 -1.2
BLMG Samos 0.44 173 eP P 08 05 57.0 -0.5

Code Station Name Az AZZ Phase ID Time Res h m s ISC
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7
AFI Afiamalu 2.10 47 Pn P 07 36 36.3 +0.7

Code Station Name Az AZZ Phase ID Time Res h m s ISC
CNCO Chanco 0.49 41 iP S 08 21 15.2 +0.2
CNCO Chanco 0.49 41 iP S 08 21 15.2 +0.2

Code Station Name Az AZZ Phase ID Time Res h m s ISC
CNCO Chanco 0.49 41 iP S 08 21 15.2 +0.2
CNCO Chanco 0.49 41 iP S 08 21 15.2 +0.2

Code Station Name Az AZZ Phase ID Time Res h m s ISC
ANTU Antumapu 3.09 32 AMP P 08 22 27.5
ANTU Antumapu 3.09 32 AMP P 08 22 27.5

Code Station Name Az AZZ Phase ID Time Res h m s ISC
ANTU Antumapu 3.09 32 AMP P 08 22 27.5
ANTU Antumapu 3.09 32 AMP P 08 22 27.5

Code Station Name Az AZZ Phase ID Time Res h m s ISC
ANTU Antumapu 3.09 32 AMP P 08 22 27.5
ANTU Antumapu 3.09 32 AMP P 08 22 27.5

Code Station Name Az AZZ Phase ID Time Res h m s ISC
FITZ Fitzroy Crossi 20.15 180 P 08 39 03.7 +0.2
FITZ Fitzroy Crossi 20.15 180 P 08 39 03.7 +0.2

Table with station names, times, and coordinates. Includes stations like Warramunga Arr, Alice Springs, Songino Array, Makanchi Array.

IDC 09 08:40:52.3, 2.1, 3.8N, 97.25E, mb4.2/8, mb1 4.3/9, mb1mx4.0/22, mbtmp4.2/9, ML4.4/1, MS3.5/2, Ms1 3.6/2, ms1mx3.1/28, Error ellipse: s-maj=90.2km s-min=16.0km az=59.0

BUI 09 08:40:55.5, 1.26N, 97.57E, h35km, mb5.2, mb4.6, Ms4.3, Ms4.2

NEIC 09 08:40:57.0, 0.7, 1.42N, 97.36E, h30km, mb4.6/9, Error ellipse: s-maj=29.2km s-min=8.0km az=57.0

ISC 09 08:40:54.7, 0.9, 1.4N, 0.1, 97.2E, 0.2, h30km, n25, 085/23, mb4.5/19, MS4.0/2, Northern Sumatera

Main table for station data on page 355, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and ISC.

NNC 09 08:46:37.9, 1.0, 43.94N, 84.74E, h32km, 4km, mpv3.3, Error ellipse: s-maj=17.0km s-min=7.1km az=61.0

BUI 09 08:46:36.8, 43.82N, 84.55E, h17km, ML3.2, C2-2D, Northern Xinjiang

Table for station data on page 355, including stations like Urumqi, Songino Array, Makanchi Array, Kurchatov, and Lajitas Array.

IDC 09 08:54:19.8, 2.0, 0.02N, 97.97E, mb3.9/7, mb1 4.0/8, mb1mx3.8/20, mbtmp3.9/8, ML4.4/1, Error ellipse: s-maj=93.0km s-min=17.0km az=59.0

NEIC 09 08:54:24.2, 0.8, 0.05N, 98.02E, h30km, mb4.6/2, Error ellipse: s-maj=26.5km s-min=11.1km az=67.0

ISC 09 08:54:22.3, 1.0, 0.1N, 0.1, 98.0E, 0.2, h30km, n15, 058/13, mb4.0/8, Northern Sumatera

Main table for station data on page 355, including stations like Kulim, Chiang Mai Arr, Shillong, Warramunga Arr, Alice Springs, Songino Array, Makanchi Array, Kurchatov, Zalesovo, Borovoye Array, Lajitas Array.

NEIC 09 09:04:00.1, 18.27N, 101.87W, h45km, MD4.1 (MEX), After MEX

MEX 09 09:04:00.2, 0.7, 18.28N, 101.87W, h40km, 19km, MD4.1, 3C, Guerrero

Table for station data on page 355, including station Zhiuatanejo.

Table for station data on page 355, including stations like Zhiuatanejo, Morelia, Colima, El Cayaco, Platanillo, Acapulco, Santa Fe, Pocopatepetl, Chabela, Zacatecas, Vista Hermosa.

TAP 09 09:05:20.7, 24.54N, 121.84E, h11km, ML3.2, TAP Felt III J at Suao, III J at Nanau, JMA 09 09:05:20.6, 0.3, 25.05N, 122.04E, h32km, M2.6, ISC 09 09:05:20.5, 0.3, 24.52N, 122.194E, 0.02, h11km, n40, 1507/62, 1C-4D, Taiwan

Main table for station data on page 355, including stations like Suao, Nanau, Iilan, Neicheng, Nioudou, Santiao Chiao, Nan Shan, Sanguang, TWA, Wu-fen Shan, Taipei, Taichien, Kuangyinsan, Chenhua, National Centr, Shilin, Nanjuang, Hsinchu, Yonaguni jima, Liyutan, Sanyi, Sun Moon Lake, Hungye, Yuchir, Taichung, Yuli, Yu-Shan, Alishan, Tsauling, Tsamote-Funau, Tsaushan, Tauyuan, Ta-pu, Hsiinying, Hsiangshih, Jiashian, Kuro-shima, Ishigaki jima.

BUI 09 09:12:00.0, 1.08N, 96.69E, h21km, mb4.8, mb4.7, Ms4.6, Ms4.4

NEIC 09 09:12:02.5, 0.7, 1.12N, 97.12E, mb4.4/5, Error ellipse: s-maj=21.2km s-min=10.1km az=66.0

IDC 09 09:12:03.2, 1.7, 1.19N, 97.27E, h21km, 4km, mb3.9/7, mb1 4.0/8, mb1mx3.8/21, mbtmp4.0/8, ML4.5/1, MS3.4/2, Ms1 3.5/2, ms1mx3.1/26, Error ellipse: s-maj=79.3km s-min=13.1km az=58.0

ISC 09 09:12:00.5, 0.9, 1.12N, 0.10, 97.1E, 0.1, h21km, (h23km, 1.3km), n22, 089/20, mb4.2/15, MS3.9/2, Northern Sumatera

Main table for station data on page 355, including stations like Kulim, Chiang Mai Arr, Shillong, Guiyang, Warramunga Arr, Kurchatov, Zalesovo, Borovoye Array, Lajitas Array, Warramunga Arr, Kurchatov, Zalesovo, Borovoye Array, Lajitas Array, Warramunga Arr, Kurchatov, Zalesovo, Borovoye Array, Lajitas Array.

Table for station data on page 355, including stations like Kurchatov, Stephens Creek, Zalesovo, Borovoye Array, Lajitas Array.

CASC 09 09:17:28.2, 2.1398N, 89.77W, h6km, MD4.2, ML3.9, 11C-2D, El Salvador

Main table for station data on page 355, including stations like El Retiro, Robledal, San Jose, San Blas, Boqueron, Montecristo 2, Serv Nac Est T, La Fuente, Ixpac, LBRs, San Brisas, El Faro, La Ceiba, San Vicente, Cacacuatiague, Belamira, Jato, Conchagua.

BUI 09 09:20:22.3, 0.30, 0.07N, 83.48E, h15km, mb5.0, mb4.4, Ms4.3, Ms4.1

DMN 09 09:20:23.5, 0.7, 30.44N, 83.69E, h10km, ML4.5/7, Error ellipse: s-maj=14.9km s-min=12.5km az=48.0

IDC 09 09:20:23.7, 0.6, 30.38N, 83.73E, mb4.1/17, mb1 4.3/19, mb1mx4.2/25, mbtmp4.1/19, ML4.2/2, MS3.8/15, Ms1 3.8/15, ms1mx3.7/29, Error ellipse: s-maj=19.8km s-min=14.6km az=49.0

NDI 09 09:20:24.8, 5.5, 30.62N, 83.71E, h10km, ML4.2, After NEIC

NEIC 09 09:20:26.1, 0.3, 30.49N, 83.60E, h10km, mb4.4/10, ML4.5 (DMN), Error ellipse: s-maj=8.6km s-min=4.7km az=60.0

MOS 09 09:20:27.6, 1.3, 30.43N, 83.58E, h33km, mb4.4/21, Error ellipse: s-maj=12.0km s-min=7.5km az=112.8

ISC 09 09:20:28.9, 0.5, 30.30N, 0.03, 83.51E, 0.03, h55km, 6km, n129, 113/34/145, mb4.2/29, MS3.9/16, 8C-4D, Xinjiang

Main table for station data on page 355, including stations like Gorkha, Koldanda, Kakani, Pithoragarh, Lohaghat, DMN, Gumba, Pulchoki, Joshi, Kalgarh, Kaiba, Simla, New Delhi, Sundarnagar, Agra, Ayan Nagar, Bhadrargarh, Sohna, Bhakra, Jhansi, Lhasa, Lhasa, Pong, Bokro, Thain Dam, Khetri, Bilaspur, Shillong, Bhopal, Hailar.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Urewera, Mayor Island, Taarawa, Kuaotunu, etc.

comp=E,0.2nm,0.6s,mb3.5,baz=341,slow=4.7,SNR=4.5

NEIC 09 10:38:16.9,37.86S:176.99E,h131km,MG4.2(WEL), After WEL. WEL 09 10:38:17.0±0.2,37.90S±176.96E,h130km±2km,ML3.7/13, 4C-3D,Error ellipse: s-maj=1.3km s-min=1.2km az=90.0,

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

GTA GTA comp=Z,1.2nm,0.9s,mb4.6 AP P P 10 56 36.9 -1.8

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

CSEM 09 10:17:24.9±3.2,34.00N±10.33E,h5km,MD3.5,After SBS TUN 09 09:55:32.3,34.00N±10.33E,h5km,MD3.5,Tunisia

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

IDC 09 10:17:24.9±3.2,34.00N±10.33E,h5km,MD3.5,After SBS mb1mx3.5/22,mbmp3.6/4,ML4.1/2,Error ellipse: s-maj=156.6km s-min=33.5km az=63.0

NDI 09 10:17:29.3±3.8,29.20N±84.34E,h10km,MD3.3,ML3.3 ISC 09 10:17:32.7±1.0,30.20N±83.88E±0.08,h33km,n14, ±154/19,mb3.3/2,Xizang

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

comp=E,0.2nm,0.6s,mb3.5,baz=341,slow=4.7,SNR=4.5

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

BJI 09 10:49:09.8,0.71N±97.42E,h36km,mb5.2,mb4.8,M4.5, Ms24.4

IDC 09 10:49:11.4±0.6,0.99N±97.22E,h20km,mb3km,mb4.1/13, mb1.4/214,mb1mx4.1/22,mbmp4.214,ML4.3/1,MS3.7/7, MOVZ Ms1.3/87,ms1mx3.4/27,Error ellipse: s-maj=26.4km s-min=12.8km az=48.0

MOS 09 10:49:11.1±1.1,0.94N±97.15E,h33km,mb4.8/12,Error ellipse: s-maj=20.0km s-min=8.7km az=98.6

NEIC 09 10:49:11.6±0.4,0.97N±97.25E,mb4.7/12,Error ellipse: s-maj=12.5km s-min=8.5km az=62.0

ISC 09 10:49:10.5±1.9,1.01N±97.25E±0.08,h27km±13km, h25km±2.7km,pp-P,n62,±101/64,mb4.4/36,MS3.9/11,1C,

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

NDI 09 10:27:25.1±4.0,29.88N±84.66E,h10km,ML3.0 IDC 09 10:27:02.9±3.0,14N±83.36E,mb3.3/4,mb1.3/5/5, mb1mx3.4/22,mbmp3.6/5,ML2.8/1,Error ellipse: s-maj=97.9km s-min=31.4km az=74.0

ISC 09 10:27:30.5±1.3,30.1N±84.27E±0.09,h33km,n13, ±154/18,mb3.3/4,Xizang

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

comp=E,0.2nm,0.6s,mb3.5,baz=341,slow=4.7,SNR=4.5

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

comp=Z,1.1nm,0.8s,mb4.6,baz=306,slow=9.0,SNR=13

comp=Z,1.7nm,0.8s,mb4.6,baz=301,slow=8.9,SNR=9.7

comp=Z,1.3nm,0.7s,mb4.8

comp=Z,0.7nm,23.0s,MS3.5

comp=Z,2.1nm,0.8s,mb4.8

comp=Z,2.8nm,23.0s,MS3.5

comp=N,570nm,5.9s

comp=E,560nm,5.9s

comp=E,0.6nm,0.4s,baz=298,slow=7.1,SNR=13

comp=Z,13nm,1.0s,mb4.6

comp=Z,146nm,5.2s

comp=N,110nm,22.0s,MS3.8

comp=E,43nm,22.0s,MS3.8

comp=Z,56nm,20.4s,MS3.5

comp=Z,6.0nm,0.8s,mb4.6,baz=187,slow=8.5,SNR=28

comp=Z,2.1nm,0.8s,baz=189,slow=2.9,SNR=5.9

comp=Z,1.6nm,0.7s,baz=186,slow=3.6,SNR=4.2

comp=Z,4.0nm,0.7s

comp=Z,7.3nm,0.9s,mb4.6,baz=158,slow=7.8,SNR=61

comp=Z,63nm,19.1s,MS3.6,baz=171,slow=41

comp=Z,4.0nm,0.9s,mb4.3

comp=Z,4.3nm,0.9s,mb4.4

comp=Z,20nm,0.9s,mb5.2

comp=Z,600nm,5.0s

comp=N,200nm,11.0s,MS4.6

comp=E,300nm,11.0s,MS4.6

comp=Z,300nm,13.0s,MS4.5

comp=Z,1.0nm,1.3s,mb3.7

comp=Z,7.0nm,0.8s

comp=Z,3.1nm,0.8s,mb4.7

comp=Z,7.0nm,0.9s,mb4.6

comp=Z,6.6nm,0.9s,mb4.6

comp=Z,1.0nm,0.9s,mb3.9

comp=Z,3.1nm,0.8s,mb4.4,baz=149,slow=8.6,SNR=23

comp=Z,4.0nm,0.8s,mb4.5

comp=Z,8.0nm,0.8s,mb4.8

comp=Z,0.4nm,0.2s,mb4.0,baz=124,slow=7.4,SNR=3.9

comp=Z,0.3nm,0.3s,baz=87,slow=4.6,SNR=2.4

comp=Z,180nm,18.2s,MS4.4,baz=9,slow=3.9

comp=Z,2.0nm,0.7s,mb4.2

comp=Z,0.4nm,0.2s,mb4.0,baz=124,slow=7.4,SNR=3.9



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GERES, NB2, NOA, TXAR, JCT.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like APYP, ABRA, CVP, CAUP, BALP.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YOJ, YOY, IRIF, JKRS, JIJ, TJT, JTM.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HUIG, VHO, OXX, CMIG.

TAP 09 11:16:51.5, 23.45N:121.59E, h26km, ML3.9

TAP Felt I J at Hungye, I J at Shilin, I J at Chenggung, I J at Lidau.

JMA 09 11:16:52.0, 23.47N:121.65E, h67km, M3.1

ISC 09 11:16:51.4, 0.3, 23.42N:0.02, 121.63E:0.02, h28km, 2km, n62, 0.058/102, 12C-2D, Taiwan

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HUIG, VHO, OXX, CMIG, HUNGYE, YULI, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TWY, PNG, HATJU, IRIF, JKRS, JIJ, TJT, JTM, KNM.

IDC 09 11:17:12.7, 2.1, 19.48N:95.69E, mb3.9/2, mb1 3.7/3, mb1mx3.3/21, mbtmp3.3/3, ML2.8/1, Error ellipse: s-maj=36.5km s-min=17.1km az=37.0, Myanmar

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMAR, CMAR, CMAR, MKAR, ZAL.

NEIC 09 11:23:55.4, 0.7, 6.91S: 130.18E, h30km, mb3.7/1, Error ellipse: s-maj=18.9km s-min=9.9km az=73.0

IDC 09 11:23:52.7, 5.7, 7.11S: 129.76E, h59km, 70km, mb3.8/2, mb1 4.4/5, mb1mx3.8/17, mbtmp4.4/5, ML4.7/3, Error ellipse: s-maj=97.9km s-min=33.7km az=56.0

ISC 09 11:24:04.7, 2.3, 7.49S: 0.08, 129.9E:0.1, h141km, 25km, n11, 0.148/16, mb3.6/2, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FITZ, WRAB, WRA, WB2, ASAR, ASPA, MBWA, MKAR, BVAR, LPAZ.

IDC 09 11:35:18.6, 2.8, 1.19N:97.04E, mb3.4/4, mb1 3.6/5, mb1mx3.4/21, mbtmp3.5/3, ML3.8/1, Error ellipse: s-maj=102.7km s-min=27.5km az=58.0, Northern Sumatara

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMAR, WRA, SONM, MKAR, BVAR.

IDC 09 11:37:08.8, 2.7, 22.50S: 171.06E, mb3.4/2, mb1 3.7/3, mb1mx3.5/15, mbtmp3.5/3, ML3.5/1, Error ellipse: s-maj=123.1km s-min=39.9km az=171.0

ISC 09 11:37:14.7, 3.1, 23.45S: 0.7, 170.7E:0.4, h33km, n6, 0.056/8, mb3.4/2, Southeast of Loyalty Islands

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

MEX 09 11:41:56.3, 0.8, 16.07N:97.29W, h16km, 999km, MD3.8, 1C, Oaxaca

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VHO, VHO, OXX, OXX, HUIG, HUIG, CMIG, CMIG.

IDC 09 11:49:29.5, 1.4, 6.81N:73.04W, h157km, 43km, mb2.6/2, mb1 3.1/4, mb1mx3.0/21, mbtmp3.3/4, Error ellipse: s-maj=110.1km s-min=8.2km az=134.0

ISC 09 11:49:29.0, 1.7, 6.8N:0.6, 73.0W:0.6, h169km, 47km, n4, 0.157/6, mb3.0/2, Northern Colombia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ROSC, ROSC, SDV, SDV, TXAR, YKA.

IDC 09 11:56:32.7, 4.2, 20.67S: 168.50E, mb3.8/2, mb1 4.0/3, mb1mx3.7/15, mbtmp3.7/3, ML3.2/1, Error ellipse: s-maj=127.2km s-min=31.3km az=135.0

ISC 09 11:56:31.4, 2.9, 21.15S: 0.3, 169.1E:0.5, h33km, n7, 0.057/9, mb4.0/3, Southeast of Loyalty Islands

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

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

IDC 09 11:57:30.6, 4.3, 2.70N:96.17E, mb3.3/3, mb1 3.5/3, mb1mx3.3/19, mbtmp3.3/3, MS3.6/2, Ms1 3.6/2, ms1mx2.9/16, Error ellipse: s-maj=158.5km s-min=29.9km az=59.0, Northern Sumatara

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

NNC 09 12:11:15.2, 22.0, 4.1, 72N:73.20E, mpv3.1, Error ellipse: s-maj=250.5km s-min=59.7km az=40.0

KNET 09 12:11:14.1, 0.7, 41.61N:73.30E, h12km, 3km, ml2.5, 7C-1D, Error ellipse: s-maj=5.4km s-min=3.5km az=94.0, Kyrgyzstan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AML, UCH, EKS2, AAK, AAK, AAK, KZA, KBK, KBK, CHMS, CHMS, USP, USP, KK31.

IDC 09 12:13:26.3, 1.5, 40.89N:140.05E, h132km, 16km, mb3.4/8, mb1 3.5/10, mb1mx3.3/26, mbtmp3.9/10, Error ellipse: s-maj=20.1km s-min=11.6km az=104.0

MOS 09 12:13:28.2, 1.0, 41.00N:140.02E, h168km, mb4.0/5, Error ellipse: s-maj=27.5km s-min=15.0km az=90.5

JMA 09 12:13:29.5, 0.1, 41.03N:140.10E, h155km, 1km, M2.9

NEIC 09 12:13:30.2, 2.0, 40.87N:139.99E, h172km, 25km, mb1.1/1, Error ellipse: s-maj=26.2km s-min=22.9km az=204.0

ISC 09 12:13:28.0, 0.3, 41.02N:0.03, 140.09E:0.08, h162km, 3km, n40, 0.092/52, mb3.7/10, Hokkaido region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JSI2, JIHW, JSR, JTM, JOT, JAH, JYM2, JKB, JOM, JOM, JEW, JEW, JYK, JYK, JNBK, JNBK, ASAJ, ASAJ.

ASAJ comp=2.6, 0nm, 0.3s 3.61 30 P P 12 14 24.4 +0.1

ASAJ comp=2.6, 4nm, 0.3s, baz=249, slow=9.5, SNR=8.6 12 15 05.5 -2.2

MAJO comp=2.1, 8nm, 0.3s, baz=271, slow=34, SNR=4.2 12 14 34.8 -3.8

MAT comp=2.0, 2.9nm, 0.3s, baz=199, slow=6.2, SNR=4.9 12 14 40.0 +1.4

MJAR comp=2.0, 2.9nm, 0.3s, baz=199, slow=6.2, SNR=4.9 12 14 40.1 +1.5

MJAR comp=2.2, 0nm, 0.3s 4.70 199 P P 12 14 39.4 +0.8

MJAR comp=2.0, 6nm, 0.3s, baz=16, slow=13, SNR=6.1 12 15 17.8 -3.1

JHJ comp=2.5, 0nm, 0.3s, baz=254, slow=22, SNR=7.0 12 16 05.9 -0.6

JHJ comp=2.5, 8nm, 0.3s, baz=108, slow=14, SNR=4.8 12 16 42.1 -6.7

BOD comp=2.6, 0nm, 0.8s, mb4.2 23.65 324 eP P 12 18 24.3 -0.9

SONM comp=2.0, 2.9nm, 0.3s, baz=297, slow=8.6, SNR=6.4 12 18 37.0 +0.3

ZAL comp=2.1, 0nm, 0.6s 38.55 309 P P 12 20 35.8 -0.3

ZAL comp=2.0, 9nm, 0.6s, mb4.5, slow=6.2, SNR=4.9 12 20 35.8 -0.3

MKAR comp=2.2, 0nm, 0.6s 41.23 298 P P 12 20 58.5 +0.4

MKAR comp=2.2, 0nm, 0.6s 41.23 298 P P 12 20 58.5 +0.3

MKAR comp=2.0, 2.9nm, 0.3s, baz=199, slow=6.2, SNR=4.9 12 20 58.5 +0.4

KURK comp=2.0, 4nm, 0.7s, baz=219, slow=6.9, SNR=7.5 12 21 42.8 -0.5

CHKZ comp=2.2, 0nm, 0.3s, mb4.2 46.89 310 eP P 12 21 42.8 -0.5

CHKZ comp=2.1, 9nm, 0.3s, mb4.2 46.89 310 eP P 12 21 42.8 -0.5

BVAR comp=2.1, 6nm, 0.3s, mb4.1, baz=82, slow=10.0, SNR=13.5 12 21 46.0 +0.4



INK	Inuvik	51.35	28 P	P	12 22 18.1	+0.9
	comp=Z,0.4nm,0.4s,mb3.4,baz=303,slow=6.0,SNR=10					
INK	Inuvik	51.35	28 P	P	12 22 17.9	+0.7
WRA	Warramunga Arr	60.88	186 P	P	12 23 23.5	-2.2
	comp=Z,0.2nm,0.5s,mb3.9,baz=154,slow=6.9,SNR=8.9					
FINES	FINES Array B	64.82	331 P	P	12 23 50.1	-0.9
FINES	comp=Z,1.0nm,0.6s					
FINES	FINES Array B	64.82	331 P	P	12 23 50.0	-1.0
	comp=Z,0.8nm,0.6s,mb3.8,baz=53,slow=9.5,SNR=6.2					

IDC 09 12:26:14.3z2.6, 1.06N-97.66E, mb3.7/5, mb1 3.8/6, mb1mx3.6/21, mbtmt3.7/6, ML3.7/1, MS3.4/1, Ms1 3.4/1, ms1mx2.8/27, Error ellipse: s-maj=100.2km s-min=26.9km az=57.0, Northern Sumatara

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
				h m s	h m s
CMAR	Chiang Mai Arr	17.34	4 Op	12 30 17.4	-2.0
	0.1nm,0.3s,baz=190,slow=12,SNR=4.5				
NWAO	Narogin (SRO)	38.52	153 LR	12 48 46.3	
	comp=Z,0.7nm,20.2s,baz=201,slow=35				
WRA	Warramunga Arr	41.57	122 P	12 34 04.0	-1.8
	0.2nm,0.4s,baz=303,slow=9.2,SNR=5.7				
SONM	Songino Array	47.20	8 P	12 34 49.9	-0.8
	0.3nm,0.3s,baz=186,slow=10,SNR=4.1				
MKAR	Makanchi Array	47.49	346 P	12 34 51.2	-1.8
	1.2nm,0.5s,baz=161,slow=7.9,SNR=22				
ZAL	Zalesovo	53.76	351 P	12 35 38.4	-2.2
	1.0nm,0.5s,baz=342,slow=2.6,SNR=5.2				
BVAR	Borovoye Array	56.53	341 P	12 35 57.1	-3.6
	0.6nm,0.7s,baz=135,slow=6.3,SNR=4.1				

IDC 09 12:29:40.1z9.2, 1.56N-96.72E, mb3.9/4, mb1 4.0/5, mb1mx3.6/21, mbtmt3.9/5, ML3.9/1, MS3.4/1, Ms1 3.4/1, ms1mx2.8/24, Error ellipse: s-maj=186.8km s-min=95.6km az=146.0, Off west coast of northern Sumatara

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
				h m s	h m s
CMAR	Chiang Mai Arr	16.94	7 Pn	12 33 38.5	-1.7
	0.2nm,0.3s,baz=196,slow=11,SNR=14				
MKAR	Makanchi Array	46.78	346 P	12 38 11.4	-1.9
	1.5nm,0.7s,baz=161,slow=7.9,SNR=19				
SONM	Songino Array	46.85	9 P	12 38 11.9	-1.9
	1.9nm,1.1s,baz=190,slow=8.8,SNR=7.8				
ZAL	Zalesovo	53.12	351 P	12 39 00.1	-1.7
	1.1nm,0.5s,baz=314,slow=6.6,SNR=4.9				
ZAL	comp=Z,0.36nm,19.9s,baz=272,slow=42			13 06 29.3	
BVAR	Borovoye Array	56.76	341 P	12 39 18.2	-2.9
	0.6nm,0.5s,baz=135,slow=9.0,SNR=5.0				

IDC 09 12:30:18.5z1.8, 2.39S-96.76W, h190km, 14km, mb2.9/2, mb1 3.3/7, mb1mx3.2/18, mbtmt3.6/7, Error ellipse: s-maj=28.0km s-min=19.3km az=175.0

NEIC 09 12:30:19.2z1.0, 2.39S-96.76W, h198km, 12km, mb3.7/2, Error ellipse: s-maj=18.9km s-min=13.1km az=94.0

ISC 09 12:30:18.9z1.0, 2.39S-96.76W, h190km, 12km, n14, o#92/14, mb2.9/2, UJUZ Province

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
				h m s	h m s
LVC	Limon Verde	2.34	301 Op	12 31 02.0	+0.3
	33nm,0.3s,baz=129,slow=6.4,SNR=647				
LVC	Limon Verde	2.34	301 Op	12 31 34.3	-0.4
	24nm,0.3s,baz=252,slow=20,SNR=30				
LVC	Limon Verde	2.34	301 Op	12 31 33.9	-0.9
	2.4nm,0.3s,baz=166,slow=6.6,SNR=6.5				
LPAZ	La Paz	7.64	350 P	12 32 10.2	+0.0
	0.5nm,0.3s,baz=166,slow=6.6,SNR=6.5				
LPAZ	La Paz	7.64	350 P	12 32 10.2	+1.9
	0.3nm,0.3s,baz=228,slow=12,SNR=9.0				
SIV	San Ignacio	9.47	35 P	12 32 31.2	-0.9
	0.3nm,0.3s,baz=228,slow=12,SNR=9.0				
TRQA	Tornquist	14.73	165 P	12 33 39.2	+0.5
	2.8nm,0.7s				
PLCA	Paso Flores	17.13	190 P	12 34 03.3	-4.2
	0.1nm,0.3s,baz=27,slow=5.6,SNR=2.9				
PLCA	Paso Flores	17.13	190 P	12 34 02.8	-4.7
	2.0nm,0.9s				
BDFB	Brasilia	19.42	69 P	12 34 31.4	-0.3
	0.9nm,0.3s,baz=248,slow=11,SNR=11				
TXAR	Lajitas Array	144.32	33 Pn	12 40 30.3	-0.7
	0.1nm,0.5s,mb2.7,baz=153,slow=10,SNR=2.7				
YKA	Yellowknife Arr	94.07	340 P	12 43 14.9	+0.3
	0.1nm,0.4s,mb3.2,baz=137,slow=6.0,SNR=5.0				
YKA	Yellowknife Arr	94.26	340 P	12 43 14.9	+0.3
	0.1nm,0.4s,mb3.2,baz=137,slow=6.0,SNR=5.0				
WRA	Warramunga Arr	131.86	207 PKP	12 49 08.9	+0.2
	0.6nm,1.1s,baz=152,slow=1.9,SNR=4.8				
MKAR	Makanchi Array	146.27	40 PKPbc	12 49 37.1	+2.0
	0.4nm,0.8s,baz=318,slow=2.7,SNR=2.8				

IDC 09 12:31:54.4z1.9, 8.32S-124.91E, mb3.5/1, mb1 3.8/4, mb1mx3.5/17, mbtmt3.6/4, ML3.5/3, Error ellipse: s-maj=105.1km s-min=28.1km az=66.0, Timor region

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
				h m s	h m s
FITZ	Fitzroy Crossi	9.75	176 Pn	12 34 16.4	-2.7
	0.9nm,0.3s,baz=6.2,slow=11,SNR=16				
FITZ	Fitzroy Crossi	9.75	176 Pn	12 36 00.7	-1.0
	1.4nm,0.3s,baz=356,slow=14,SNR=5.1				
WRA	Warramunga Arr	14.73	143 Pn	12 35 22.4	-3.7
	0.2nm,0.3s,baz=317,slow=13,SNR=14				
WRA	Warramunga Arr	14.73	143 Pn	12 38 00.7	-1.0
	0.2nm,0.3s,baz=312,slow=25,SNR=5.3				
ASAR	Alice Springs	17.53	152 P	12 36 01.1	-0.8
	0.1nm,0.3s,baz=319,slow=11,SNR=8.7				
ASAR	Alice Springs	17.53	152 P	12 39 06.9	-9.3
	0.1nm,0.3s,baz=322,slow=22,SNR=6.3				
MKAR	Makanchi Array	66.67	330 P	12 42 47.1	-2.1
	0.3nm,0.7s,baz=148,slow=5.6,SNR=3.6				

IDC 09 12:34:11.8z2.8, 6.84S-128.46E, mb3.4/1, mb1 3.8/3, mb1mx3.5/15, mbtmt3.6/3, ML3.6/2, Error ellipse: s-maj=304.7km s-min=31.7km az=66.0, Banda Sea

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
				h m s	h m s
WRA	Warramunga Arr	14.22	157 Pn	12 37 33.7	-3.1
	0.2nm,0.3s,baz=333,slow=13,SNR=7.7				
WRA	Warramunga Arr	14.22	157 Pn	12 39 58.8	-1.8
	0.2nm,0.3s,baz=331,slow=22,SNR=4.7				
ASAR	Alice Springs	17.53	152 P	12 38 18.4	-1.0
	0.5nm,0.3s,baz=345,slow=11,SNR=22				
MKAR	Makanchi Array	67.26	337 P	12 45 08.3	-2.1
	0.2nm,0.3s,baz=119,slow=8.0,SNR=5.1				

MOS 09 12:44:26.7z0.8, 0.36S-97.20E, h33km, mb4.6/1, Error ellipse: s-maj=60.5km s-min=21.7km az=102.7

IDC 09 12:44:27.7z1.4, 0.33S-97.22E, h22km, 3km, mb3.8/8, mb1 3.9/9, mb1mx3.7/20, mbtmt3.8/9, ML4.1/1, Error ellipse: s-maj=68.0km s-min=12.6km az=55.0

NEIC 09 12:44:29.1z0.7, 0.10N-97.70E, mb4.9/2, Error ellipse: s-maj=24.0km s-min=10.5km az=60.0

ISC 09 12:44:25.4z1.1, 0.45S-97.97E, 0.3, h24km, h24km, 4km; p-P, n18, o#62/16, mb4.1/10, Southwest of Sumatara

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
				h m s	h m s
KULM	Kulim	6.63	32 Op	12 45 55.9	-8.2
	0.2nm,0.3s,baz=192,slow=12,SNR=4.8				
CMAR	Chiang Mai Arr	17.34	4 Op	12 48 46.2	+0.4
	0.2nm,0.3s,baz=192,slow=12,SNR=4.8				
WRA	Warramunga Arr	41.30	120 P	12 52 10.6	-0.4
	1.6nm,0.5s,mb3.9,baz=302,slow=9.0,SNR=38				
WRA	Warramunga Arr	41.30	120 P	12 52 17.3	-0.8
	4.5nm,0.6s,baz=301,slow=9.0,SNR=37				
WB2	Warramunga Arr	41.30	120 P	12 52 10.6	-0.5
	0.1nm,0.6s,mb4.1,baz=297,slow=8.0,SNR=41				
ASAR	Alice Springs	42.53	126 P	12 52 21.9	+0.5
	2.5nm,0.6s,baz=297,slow=7.6,SNR=16				
SONM	Songino Array	46.88	8 P	12 53 10.1	+0.3
	0.2nm,0.4s,mb3.5,baz=188,slow=10,SNR=3.4				
MKAR	Makanchi Array	48.78	346 P	12 53 10.4	+0.1
	0.2nm,0.4s,mb3.5,baz=188,slow=10,SNR=17				

MKAR	Kurchatov	53.28	345 eP	pP	12 53 17.6	+0.1
	3.1nm,0.6s,baz=156,slow=7.9,SNR=21					
STKA	Stevens Creek	52.38	131 P	P	12 53 38.9	+0.6
	0.7nm,0.4s,mb3.9,baz=154,slow=20,SNR=5.1					
STKA	Stevens Creek	52.38	131 P	P	12 53 38.9	+0.3
KURK	Kurchatov	53.28	345 eP	P	12 53 44.5	-0.2
	comp=Z,4.0nm,1.3s,mb4.2					
KURK	Kurchatov	53.28	345 eP	P	12 53 44.5	-0.2
	comp=Z,4.3nm,1.3s,mb4.2					
ZAL	Zalesovo	55.08	351 P	P	12 53 57.4	-0.4
	comp=Z,1.3nm,0.5s,mb4.2,baz=308,slow=2.9,SNR=7.7					
ZAL	Zalesovo	55.08	351 P	pP	12 54 05.4	-0.6
	comp=Z,3.1nm,0.7s,baz=318,slow=11,SNR=11					
ZAL	Zalesovo	55.08	351 P	P	12 53 57.4	-0.4
	comp=Z,3.1nm,0.7s,baz=318,slow=11,SNR=11					
BVAR	Borovoye Array	57.70	341 P	pP	12 54 05.4	-0.6
	comp=Z,0.3nm,0.5s,mb3.6,baz=135,slow=6.1,SNR=3.1					
BVAR	Borovoye Array	57.70	341 P	pP	12 54 15.6	-1.0
	comp=Z,2.1nm,0.7s,baz=143,slow=7.4,SNR=5.9					
CHKZ	Chkalovo	58.18	342 eP	P	12 54 19.3	-0.6
	comp=Z,38nm,0.6s,mb5.6					

CHKZ	Chkalovo	58.18	342 eP	pP	12 54 27.1	-0.1
	comp=Z,0.6nm,0.7s,mb3.6,baz=7.4,SNR=4.5					
FINES	FINES Array B	81.34	333 P	P	12 56 42.8	+1.5
	comp=Z,0.6nm,0.7s,mb3.6,baz=7.4,SNR=4.5					
FINES	FINES Array B	81.34	333 P	pP	12 56 49.9	+0.9
	comp=Z,0.6nm,0.7s,baz=80,slow=6.9,SNR=1.7					
TXAR	Lajitas Array	144.32	33 PKP	PKPdf	13 04 03.2	-2.9
	comp=Z,0.2nm,0.5s,baz=219,slow=0.6,SNR=6.4					
TXAR	Lajitas Array	144.32	33 PKP	pPKP	13 04 10.5	
	comp=Z,0.3nm,0.5s,baz=269,slow=1.0,SNR=3.9					
TXAR	Lajitas Array	144.32	33 PKP	PKPdf	13 04 03.2	-2.9
	comp=Z,0.3nm,0.5s,baz=269,slow=1.0,SNR=3.9					

CHKZ	Chkalovo	58.18	342 eP	pP	12 54 27.1	-0.1
	comp=Z,0.6nm,0.7s,mb3.6,baz=7.4,SNR=4.5					
FINES	FINES Array B	81.34	333 P	P	12 56 42.8	+1.5
	comp=Z,0.6nm,0.7s,mb3.6,baz=7.4,SNR=4.5					
FINES	FINES Array B	81.34	333 P	pP	12 56 49.9	+0.9







CRAAG 09 15:16:24.9, 56.26N, 154.43W, Mb5.8  
 IDC 09 15:16:25.0, 56.23N, 154.54W, Mb5.6/29, mb1 5.7/31,  
 mb1mx5.7/31, mb1mp5.6/31, ML5.0/2, MSS.7/24, Ms1 5.7/24,  
 ms1mx5.5/35, Error ellipse: s-maj=11.9km s-min=7.6km  
 az=11.0  
 MOS 09 15:16:25.0, 56.20N, 154.52W, h10km, mb6.1/88,  
 MSS.8/32, Error ellipse: s-maj=7.8km s-min=3.8km  
 az=91.8  
 BUJ 09 15:16:26.8, 56.23N, 155.26W, h14km, mb6.1, mb6.0,  
 Ms6.5, Ms21.6  
 HRVD 09 15:16:27.9, 0.1, 56.16N, 154.24W, h13km, MW5.8/75,  
 Centroidal moment Tension Solution. LP body waves  
 s74, c157, Mantle waves: s75, c229; Half duration: 2s1  
 Moment tensor: Scale 1017Nm; Mrr:0.01±0.05;  
 Mθθ:3.39±0.06; Mφφ:3.38±0.05; Mθφ:5.12±1.2; Mφθ:2.91±0.05;  
 Mφθ:3.47±1.3; Best double couple: Mc:6.493x1017 NP1:  
 φ=150°, δ=44°, λ=3°. NP2:φ=242°, δ=88°, λ=134°. Principal  
 axes: T:6.65, Plg29°, Azm2°; N:1.685, Plg44°, Azm245°; P:  
 -7.336, Plg33°, Azm117°; nsta1 refers to body waves,  
 cutoff=40s. nsta2 refers to surface/mantle waves,  
 cutoff=50s.

NEIC 09 15:16:27.9, 0.1, 56.17N, 154.52W, h14km, mb5.8/228,  
 Mc5.3, MS5.7/138, MW6.0, ML5.8(AIC) Error ellipse:  
 s-maj=12.0km s-min=1.6km az=195.0 Broadband fault  
 plane solution: P waves. NP1:φ=245°, δ=85°, λ=100°. NP2:  
 φ=129°, δ=11°, λ=27°. Principal axes: T:Plg39°, Azm344°; N  
 Plg0°, Azm0°; P:Plg49°, Azm144°. Moment Tensor  
 Solution. s38 Moment tensor: Scale 1018 Nm; Mrr:0.008;  
 Mθθ:0.12; Mφφ:0.04; Mθφ:1.01; Mφθ:0.09; Mθφ:0.49; Best  
 double couple: Mc:1.1x1018 NP1:φ=142°, δ=6°, λ=13°. NP2:  
 φ=245°, δ=89°, λ=96°. Principal axes: T:1.1, Plg43°,  
 Azm340°; N:0.6, Plg6°, Azm245°; P:-1.16, Plg46°,  
 Azm148°; Depth from synthetics of broadband  
 displacement seismograms. Energy computed from BB  
 mechanism.

NEIC Felt III at Chignik and Perryville.  
 BGS 09 15:16:28.3, 56.64N, 152.45W, h10km, mb6.0  
 ISC 09 15:16:26.1, 0.1, 56.14N, 0.02, 154.55W, 0.02, h13km,  
 h13km, 1.3km, pP-P, n1082, f102/1046, mb5.8/335,  
 MSS.8/190, 43-47D, Kodiak Island region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
KDAK	Kodiak Island	1.97	32	Op	Pn	15 16 59.0 +0.6
KDAK				S	Sn	15 17 00.0 -0.4
ANKC	Angle Creek	2.13	346	P	Pn	15 17 02.9 +0.9
KAPH	Katmai Pasha	2.47	2	P	Pn	15 17 08.0 +1.3
KACH	Katmai Hardscr	2.53	355	P	Pn	15 17 08.4 +0.7
SYNI	Shuyak Island	2.74	24	P	Pn	15 17 10.4 -0.3
MCNL	McNeil River	3.17	15	P	Pn	15 17 15.0 +0.4
AUS	Augustine Isla	3.27	10	P	Pn	15 17 18.6 +0.5
AUE	Augustine Isla	3.29	11	P	Pn	15 17 19.4 +0.9
AUW	Augustine West	3.29	10	P	Pn	15 17 19.6 +1.1
AUL	Augustine Lava	3.31	10	P	Pn	15 17 19.8 +1.1
SDPT	Sand Point	3.44	259	S	Sn	15 17 21.0 +0.4
OPT	Oil Point	3.60	11	P	Pn	15 17 23.2 +0.4
XLV	Seldovia	3.66	23	P	Pn	15 17 23.8 +0.2
CNPM	China Poot	3.83	26	P	Pn	15 17 25.3 -0.8
HOM	Homer	3.86	22	P	Pn	15 17 26.6 +0.1
ILW	Ilamna West	4.01	10	P	Pn	15 17 28.4 -0.2
INE	Ilamna NE	4.25	12	P	Pn	15 17 31.6 -0.2
ILIM	Ilamna	4.04	11	P	Pn	15 17 29.2 0.0
BRLK	Bradley Lake	4.13	27	P	Pn	15 17 29.1 -1.3
PVV	Pavlov Volcano	4.16	262	P	Pn	15 17 30.4 -0.5
HAG	Hague Volcano	4.24	262	P	Pn	15 17 31.8 -0.2
ELHA	Black Hill	4.25	260	P	Pn	15 17 32.0 -0.2
DOL	Dolg Island	4.26	260	P	Pn	15 17 31.6 -0.7
DTNA	Dutton South F	4.48	260	P	Pn	15 17 34.8 -0.6
RDN	Redoubt North	4.49	11	P	Pn	15 17 35.5 0.0
DT1	Dutton Round H	4.50	260	P	Pn	15 17 35.7 0.0
NCT	North Crescent	4.52	10	P	Pn	15 17 35.8 -0.1
DFR	Drift River	4.59	12	P	Pn	15 17 36.5 -0.2
BALA	Baldy Mountain	4.76	262	P	Pn	15 17 40.0 +0.7
SLKM	Skilak Lake	4.94	26	P	Pn	15 17 40.3 -1.6
SVW2	Sparrevohn	5.01	259	P	Pn	15 17 42.5 -0.3
FALS	False Pass	5.20	354	S	Sn	15 17 45.3 -0.3
FALS				S	Sn	15 17 44.2 -1.9
SPU	Chakachamna La	5.21	12	P	Pn	15 17 44.3 -0.1
SPU	Much Spurr	5.23	13	eP	Pn	15 17 44.3 -1.6
CKN	Chakachamna No	5.25	13	P	Pn	15 17 45.2 -1.1
FIB	Fire Island	5.54	23	eP	Pn	15 17 49.8 -0.5
FIB	Fire Island	5.54	23	P	Pn	15 17 51.0 +0.7
SSLN	Shishaldin Nor	5.56	14	P	Pn	15 17 50.1 -0.2
STLK	Strandline Lak	5.56	14	P	Pn	15 17 49.6 -1.0
RC01	Rabbit Creek A	5.57	25	P	Pn	15 17 48.7 -2.0
WESN	West Dahl Nort	5.94	259	P	Pn	15 17 55.4 -0.6
HIN	Hinchinbrook I	6.02	41	P	Pn	15 17 55.3 -3.7
PWA	Palmer West	6.04	22	P	Pn	15 17 56.0 -1.3
MWSS	West Dahl Scout	6.46	258	P	Pn	15 17 56.7 -0.8
WFAR	Fairer Peak	6.05	259	P	Pn	15 17 57.1 -0.5
PMR	Palmer	6.15	25	P	Pn	15 17 56.6 -2.3
GHO	Glory Hole Cre	6.36	25	P	Pn	15 17 59.9 -1.9
EYAK	Cordova Ski Ar	6.40	43	P	Pn	15 17 59.5 -3.0
SML	Sawmill	6.53	27	eP	Pn	15 18 01.1 -2.9
AKA	Akut	6.73	27	P	Pn	15 18 02.8 -2.5
AKUT	Akut	6.74	257	P	Pn	15 18 06.2 -1.0
AKUT	Akut	6.74	257	P	Pn	15 18 06.2 -1.0
DIV	Divide	6.78	39	P	Pn	15 18 04.6 -3.3
SCM	Sheep Creek Mo	6.82	30	P	Pn	15 18 05.5 -2.9
TT01	Tatalina	6.83	34	P	Pn	15 18 07.6 -1.0
UNV	Unalaska Valle	7.25	257	P	Pn	15 18 11.7 -2.7
MSW	Makushin Switc	7.38	258	P	Pn	15 18 14.3 -1.9
TRF	Thorofare Moun	7.64	15	P	Pn	15 18 17.9 -2.0
KTH	Kantishna Hill	7.66	12	P	Pn	15 18 18.0 -2.2
GLB	Gilahina Butte	7.70	42	P	Pn	15 18 16.7 -4.0
MCK	McKinley	8.12	18	P	Pn	15 18 23.7 -2.9
MCK				pmax	pmax	

DLBC	comp=Z,0.2nm,0.3s,baz=236,slow=11,SNR=3.7	ScP				
DLBC	comp=Z,0.1nm,0.3s,baz=50,slow=20,SNR=3.0	S				
Dease Lake	13.44 70 eP	P			15 19 34.6 -4.2	
KIWIB	Kanaga Island	13.95 282 eP	P		15 19 38.8 -2.8	
INK	Inuvik	15.53 30 eP	P		15 20 03.8 -2.2	
INK			pmax	pmax		
INK	comp=Z,1.0nm,1.1s	Pn			15 20 03.4 -2.6	
INK	comp=Z,1.0nm,0.3s,baz=226,slow=15,SNR=8.9	Sn			15 22 57.5 -0.8	
INK	comp=Z,0.2nm,0.3s,baz=199,slow=20,SNR=1.5	LR			15 26 20.3	
INK	comp=Z,0.53um,19.0s,baz=222,slow=38	ScP			15 28 42.0	
INK	comp=Z,0.1nm,0.3s,baz=147,slow=2.2,SNR=4.2	S			15 20 03.8 -2.3	
INK	Inuvik	15.53 30 eP	P		15 20 03.8 -2.3	
BBB	comp=Z,0.9nm,1.2s	Pn			15 20 09.3 -2.0	
BBB	comp=Z,0.9nm,0.3s,baz=279,slow=11,SNR=8.8	Sn			15 23 10.9 +3.0	
BBB	comp=Z,0.3nm,0.3s,baz=288,slow=19,SNR=2.2	LR			15 25 00.4	
BBB	comp=Z,15um,20.2s,baz=297,slow=32	LR			15 20 09.3 -2.0	
BBB	Bella Bella	15.93 93 Pn	P		15 23 10.9 +3.0	
BBB			Sn		15 25 00.4	
BBB			LR		15 20 42.1 -1.1	
SMY	Shemya	18.47 273 eP	P		15 20 42.1 -1.1	
SMY			pmax	pmax		
SMY	comp=Z,736nm,0.9s	ScP			15 20 42.1 -1.1	
SMY	Shemya	18.47 273 eP	P		15 20 42.1 -1.1	
SMY	comp=Z,736nm,0.9s	ScP			15 20 46.0 -2.7	
FX1	Attu Island-F	18.93 274 P	P		15 20 46.0 -2.7	
FX1	Attu Island-F	18.93 274 P	P		15 20 46.7 -2.1	
PGC	Sidney	20.27 99 eP	P		15 21 02.9 -0.9	
PGC			pmax	pmax		
OOW	comp=Z,1um,1.8s	P			15 21 05.4 +0.4	
WISH	Wishak	20.97 102 P	P		15 21 12.0 +0.9	
YKWA	Yellowknife Ar	21.06 56 eP	P		15 21 09.9 -2.0	
YKWA	Yellowknife Ar	21.07 56 P	P		15 21 10.4 -1.6	
YKA	comp=Z,49nm,0.6s,mb5.0,baz=270,slow=9.5,SNR=442	ScP			15 25 03.9 +2.7	
YKA	comp=Z,2.8nm,0.9s,baz=274,slow=19,SNR=2.9	PcP			15 25 17.6 -1.1	
YKA	comp=Z,13nm,0.7s,baz=266,slow=1.5,SNR=6.8	PcP			15 28 53.8	
YKA	comp=Z,8.8nm,1.0s,baz=279,slow=2.2,SNR=8.4	ScP			15 55 11.6	
YKA	comp=Z,1.0nm,0.7s,baz=98,slow=5.2,SNR=15	P3KPbc			15 21 10.4 -1.6	
YKA	Yellowknife Ar	21.07 56 P	P		15 21 03.9 +2.7	
YKA			S		15 25 17.6 -1.1	
YKA			PcP		15 28 53.8	
BILL	Bilibino	21.41 319 P	P		15 21 13.6 -1.8	
BILL	Bilibino	21.41 319 eP	P		15 21 13.3 -2.1	
BILL			eS		15 25 08.4 +0.7	
BILL			pmax	pmax		
BILL	comp=Z,657nm,1.2s,mb5.8	MLR			15 21 13.4 -2.0	
BILL	comp=Z,97um,11.0s,MS6.5	MLR			15 21 13.4 -2.0	
BILL	Bilibino	21.41 319 eP	P		15 21 13.4 -2.0	
BILL	comp=Z,674nm,1.0s,mb5.9	LR			15 21 13.4 -2.0	
TTW	Toit Reservoir	21.78 99 P	P		15 21 19.5 +0.2	
KOSW	Bosley Bay	22.29 113 P	P		15 21 43.0 +2.2	
COR	Corvallis	22.83 107 eP	P		15 21 30.8 +1.3	
COR	comp=Z,778nm,1.4s,mb6.0	LR			15 21 31.4 +1.5	
COR	comp=Z,15um,21.0s,MS5.4	LR			15 21 35.9 +1.8	
EBG	Ellensburg	22.86 99 P	P		15 21 37.3 +1.6	
BVW	Beverly	23.29 99 P	P		15 21 38.1 +1.0	
KEBM	Edson Butte	24.86 112 eP	P		15 21 38.9 +0.9	
WD2	Odessa Site #2	23.60 97 P	P		15 21 39.4 +1.0	
WRD	Warden	23.71 98 P	P		15 21 39.4 +1.0	
HAWA	Hanford	23.74 99 eP	P		15 21 39.4 +1.0	
HAWA	comp=Z,75nm,1.7s,mb4.8	LR			15 21 39.0 +0.6	
EDM	Edmonton	23.74 90 eP	P		15 21 42.4 +1.5	
KBO	Kobe	23.98 113 P	P		15 25 25.3 +0.8	
NEW	Newport	24.00 93 P	P		15 25 58.6 +4.3	
NEW	comp=Z,135nm,0.9s,mb5.4,baz=305,slow=7.8,SNR=155	PcP			15 25 25.3 +0.8	
NEW	comp=Z,13nm,1.1s,baz=257,slow=3.0,SNR=2.6	S			15 25 58.6 +4.3	
NEW	comp=Z,1.7nm,0.7s,baz=292,slow=19,SNR=1.9	ScP			15 29 42.4	
NEW	comp=Z,5.4nm,0.9s,baz=334,slow=4.0,SNR=4.4	LR			15 29 42.4	
NEW	comp=Z,12um,21.8s,MS5.3,baz=298,slow=33	LR			15 21 41.7 +0.8	
NEW	Newport	24.00 93 eP	P		15 21 45.8 +1.2	
NEW	comp=Z,344nm,1.3s,mb5.6	LR			15 21 45.8 +1.2	
HUMO	Hull Mountain	24.36 110 eP	P		15 21 53.8 +2.1	
HUMO	comp=Z,361nm,1.4s,mb5.6	LR			15 25 28.4 +1.4	
HUMO	comp=Z,12um,20.0s,MS5.4	S			15 26 12.5 -0.8	
YBH	Yreka Blue Hor	25.11 112 P	P		15 21 53.5 +1.7	
YBH	comp=Z,130nm,1.2s,mb5.3,baz=335,slow=4.7,SNR=45	PcP			15 22 03.6 +1.1	
YBH	comp=Z,3.9nm,0.8s,baz=317,slow=1.7,SNR=4.6	S			15 22 04.7 -0.8	
YBH	Yreka Blue Hor	25.11 112 eP	P		15 21 53.5 +1.7	
YBH	comp=Z,1.8nm,0.9s,baz=22,slow=7.7,SNR=2.4	LR			15 21 54.1 +1.4	
YBH	comp=Z,402nm,1.5s,mb5.7	LR			15 21 54.1 0.0	
KHMM	Horse Mountain	25.21 114 eP	P		15 21 54.1 +1.4	
WALA	Wateron Lakes	25.37 89 eP	P		15 21 59.1 -0.2	
BMO	comp=Z,348nm,1.3s,mb5.7	LR			15 22 00.9 +0.5	
BMO	Blue Mountains	25.92 100 eP	P		15 22 00.9 +0.5	
BMO	comp=Z,75nm,2.0s,mb5.9	LR			15 22 03.6 +1.1	
BMO	comp=Z,15um,22.0s,MS5.5	LR			15 22 04.7 -0.8	
WVOR	Wild Horse Val	26.78 106 eP	P		15 22 08.1 +0.8	
WVOR	comp=Z,150nm,1.1s,mb5.4	LR			15 22 07.5 -0.7	
PET	Petropavlovsk	26.89 283/ iP	P		15 22 07.5 -0.7	
PET			eS		15 22 51.5	
PET			eSS		15 26 38.8 -3.9	
PET			SSS		15 26 03.4 -1.0	
PET	comp=Z,2um,9.6s	pmax			15 22 00.9 +0.5	
PET	comp=Z,2um,10.3s	pmax			15 22 03.6 +1.1	
PET	comp=Z,2um,21.0s,MS5.7	LR			15 22 04.7 -0.8	
PET						

9d 15h

2005 APR

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like North Lily Min, Daniels Canyon, Maple Canyon, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like Guadalupe Moun, Chul'man, GDL2, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like Matushiro, Matsushiro Arr, MJAR, etc.









Table with columns: LIS, AMS, AMS, 16 06 02.2, 15 28 41.1 -0.6, 15 38 52.1 +2.8, etc. Lists various locations and their corresponding data points.

Table with columns: ESPR, Espera, 83.60 25 P P, 15 28 55.1 +0.2, 15 28 53.8 -1.0, 15 28 53.5 -1.3, etc. Lists various locations and their corresponding data points.

Table with columns: ALFC, Alegra, 88.86 354 P P, 15 29 20.2 -0.6, 15 29 20.2 -0.6, 15 29 21.5 +0.6, etc. Lists various locations and their corresponding data points.



Table with columns: STA, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DAU Daniels Canyon, NLU North Lily Mtn, PDAR Pinedale Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KDAK Kodiak Island, KDAK Kodiak, ANCK Angle Creek, etc.

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

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DJA 09:16:51.12, KEDI Kedondong, RATI Rata, etc.

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

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

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

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







<b>FORT</b>	<b>Forrest</b>	43.15 140	eP	P	19 11 30.1 +2.2
	comp=E,418nm,0.7s				
<b>ASPA</b>	<b>Alice Springs</b>	43.27 127	iP	P	19 11 29.3 +0.3
<b>ASAR</b>	<b>Alice Springs</b>	43.27 127	eP	P	19 11 29.3 +0.3
	comp=Z,1.8nm,0.9s,mb4.4,baz=203,slow=7.3,SNR=46				
<b>WMQ</b>	<b>Urumqi</b>	43.40 350	iP	P	19 11 30.3 +0.6
<b>WMQ</b>			AP	pP	19 11 36.3 -0.4
<b>WMQ</b>			PP	PP	19 13 13.3 +0.6
<b>WMQ</b>			PCP	PCp	19 13 19.3 +0.7
<b>WMQ</b>			S	S	19 17 56.8 +0.8
	comp=Z,25nm,1.0s,mb4.9				
<b>WMQ</b>			AMB	AMB	
	comp=Z,225nm,4.2s				
<b>WMQ</b>			LR	LR	
	comp=N,89nm,22.8s,MS4.0				
<b>WMQ</b>			LR	LR	
	comp=E,215nm,23.8s,MS4.0				
<b>DL2</b>	<b>Dalian</b>	43.75 28	P	P	19 11 33.7 +1.0
<b>DL2</b>			AMB	AMB	
	comp=Z,30nm,0.8s,mb5.1				
<b>SOMM</b>	<b>Songino Array</b>	47.24 8	P	P	19 12 00.3 0.0
	comp=Z,1.0nm,0.6s,mb4.9,baz=190,slow=9.0,SNR=38				
<b>SONM</b>			PCp	PCp	19 13 31.2 -0.6
	comp=Z,4.2nm,0.8s,baz=192,slow=4.0,SNR=5.9				
<b>SONM</b>			LR	LR	19 34 36.4
	comp=Z,7.7nm,18.3s,MS4.7,baz=106,slow=40				
<b>ULN</b>	<b>Ulanbatar</b>	47.37 9	eP	P	19 12 01.3 -0.1
<b>ULN</b>			AMB	AMB	
	comp=Z,33nm,1.5s,mb5.0				
<b>ULN</b>	<b>Ulanbatar</b>	47.37 9	eP	P	19 12 01.3 -0.1
	comp=Z,33nm,1.5s,mb5.0				
<b>MKAR</b>	<b>Makanchi Array</b>	47.37 346	iP	P	19 12 01.2 -0.2
<b>MKAR</b>			AMB	AMB	
	comp=Z,16nm,0.9s				
<b>MKAR</b>	<b>Makanchi Array</b>	47.37 346	iP	P	19 12 01.4 0.0
<b>MKAR</b>			LR	LR	19 36 03.5
	comp=Z,1.2nm,19.9s,MS3.9,baz=162,slow=41				
<b>KKAR</b>	<b>Kararay Array</b>	48.19 334	iP	P	19 12 07.7 -0.1
<b>KKAR</b>			AMB	AMB	
	comp=Z,24nm,1.2s,mb5.1				
<b>CN2</b>	<b>Changchun</b>	49.38 27	eP	P	19 12 16.3 -0.7
<b>CN2</b>			eXP	sP	19 12 28.8 +2.0
<b>CN2</b>			eS	AMB	19 19 22.4 +1.1
	comp=Z,30nm,1.1s,mb5.2				
<b>CN2</b>			LR	LR	
	comp=Z,300nm,4.0s				
<b>CN2</b>			LR	LR	
	comp=E,400nm,15.0s,MS4.7				
<b>CN2</b>			LR	LR	
	comp=Z,500nm,16.0s,MS4.6				
<b>ZAK</b>	<b>Zakamensk</b>	49.38 5	eP	P	19 12 16.3 -0.6
<b>ZAK</b>			e		19 13 38.9
<b>ZAK</b>			e		19 14 15.0
	comp=Z,3.0nm,1.3s,mb4.2				
<b>ZAK</b>			AMB	AMB	
	comp=Z,1.0nm,0.9s,mb3.9				
<b>ZAK</b>			AMB	AMB	
	comp=Z,2.0nm,1.5s,mb3.9				
<b>TLY</b>	<b>Talaya</b>	50.70 5	eP	P	19 12 26.3 -0.7
<b>TLY</b>			eS	S	19 19 53.4 +1.4
<b>TLY</b>			AMB	AMB	
	comp=Z,7.0nm,0.9s,mb4.6				
<b>TLY</b>			MLR	MLR	
	comp=Z,418nm,20.0s,MS4.5				
<b>PMG</b>	<b>Port Moresby</b>	50.77 103	P	P	19 12 27.8 -0.2
	comp=Z,1.1nm,0.7s,mb4.9,baz=218,slow=8.1,SNR=3.8				
<b>HIA</b>	<b>Hailar</b>	51.73 19	eP	P	19 12 34.3 -0.5
<b>HIA</b>			AMB	AMB	
	comp=Z,26nm,1.2s				
<b>HIA</b>	<b>Hailar</b>	51.73 19	eP	P	19 12 34.3 -0.5
<b>HIA</b>			AMB	AMB	
	comp=Z,26nm,1.2s,mb5.0				
<b>MJAR</b>	<b>Matsushiro Arr</b>	51.74 42	P	P	19 12 33.8 -1.2
<b>MJAR</b>			PCP	PCp	19 12 35.7 -0.6
	comp=Z,1.8nm,0.9s,mb4.9,baz=218,slow=5.7,SNR=7.7				
<b>KURK</b>	<b>Kurchatov</b>	51.92 345	eP	P	19 12 35.6 -0.6
<b>KURK</b>			AMB	AMB	
	comp=Z,1.7nm,1.0s,mb4.9				
<b>KURK</b>	<b>Kurchatov</b>	51.92 345	eP	P	19 12 35.6 -0.6
<b>KURK</b>			PCP	PCp	19 12 36.8 +0.3
	comp=Z,1.7nm,1.0s,mb4.9				
<b>MDJ</b>	<b>Mudanjiang</b>	51.94 29	P	P	19 12 42.8 -0.7
<b>MDJ</b>			PCP	PCp	19 13 47.9 -1.1
<b>MDJ</b>			PP	PP	19 14 34.4 -0.8
<b>MDJ</b>			SCP	S	19 20 00.7 +4.1
<b>MDJ</b>			XS	AMB	19 20 11.6
<b>MDJ</b>			AMB	AMB	
	comp=Z,19nm,2.3s,mb4.6				
<b>MDJ</b>			LR	LR	
	comp=N,152nm,21.6s,MS4.0				
<b>MDJ</b>			LR	LR	
	comp=E,72nm,22.2s,MS4.0				
<b>MDJ</b>			LR	LR	
	comp=Z,278nm,18.0s,MS4.3				
<b>MDJ</b>	<b>Mudanjiang</b>	51.94 29	eP	P	19 12 37.2 +0.7
	comp=Z,1.0nm,0.9s,mb4.9,baz=297,slow=6.2,SNR=58				
<b>CTA</b>	<b>Charters Tower</b>	52.40 116	P	P	19 12 39.6 -0.6
<b>CTA</b>			LR	LR	19 36 56.0
	comp=Z,7.7nm,0.9s,mb4.6,baz=236,slow=7.2,SNR=3.1				
<b>CTA</b>			LR	LR	
	comp=Z,284nm,20.5s,MS4.3,baz=176,slow=38				
<b>CTAO</b>	<b>Charters Tower</b>	52.40 116	eP	P	19 12 39.5 -0.7
<b>CTAO</b>			AMB	AMB	
	comp=Z,22nm,1.3s,mb4.9				
<b>CTAO</b>	<b>Charters Tower</b>	52.40 116	eP	P	19 12 39.5 -0.7
<b>CTAO</b>			PCP	PCp	19 12 44.2 0.0
	comp=Z,2.3nm,0.6s,mb4.3,baz=90,slow=5.3,SNR=16				
<b>OPO</b>	<b>Ambohadratempo</b>	52.93 246	P	P	19 12 44.2 0.0
	comp=Z,8.9nm,0.9s,mb4.7,baz=102,slow=7.2,SNR=5.4				
<b>STKA</b>	<b>Stephens Creek</b>	53.23 132	iP	P	19 12 46.8 +0.5
	comp=Z,6.7nm,0.8s,mb4.6				
<b>STKA</b>			iP	pP	19 12 53.8 +0.4
<b>STKA</b>	<b>Stephens Creek</b>	53.23 132	P	P	19 12 47.0 +0.7
	comp=Z,8.0nm,0.7s,mb4.7,baz=304,slow=7.1,SNR=18				
<b>ZAL</b>	<b>Zalesovo</b>	53.68 351	P	P	19 12 48.7 -0.5
	comp=Z,1.0nm,0.9s,mb4.9,baz=297,slow=6.2,SNR=58				
<b>ZAL</b>	<b>Zalesovo</b>	53.68 351	P	P	19 12 48.7 -0.5
<b>ZAL</b>	<b>Kul'dur</b>	56.33 26	eP	P	19 13 07.5 -2.9
<b>KLR</b>			MLR	MLR	
	comp=N,500nm,13.5s				
<b>BVAO</b>	<b>Borovoye Array</b>	56.38 341	iP	P	19 13 07.5 -1.4
<b>BVAO</b>			AMB	AMB	
	comp=Z,2.0nm,1.1s,mb4.1				
<b>BVAR</b>	<b>Borovoye Array</b>	56.38 341	P	P	19 13 07.6 -1.4
	comp=Z,5.4nm,0.8s,mb4.6,baz=143,slow=7.4,SNR=34				
<b>CHKZ</b>	<b>Chkalovo</b>	56.86 341	eP	P	19 13 11.0 -1.4
<b>CHKZ</b>			ePP	pP	19 13 16.8 -2.7
<b>CHKZ</b>			AMB	AMB	19 13 27.8 -2.7
	comp=Z,63nm,0.6s,mb5.8				
<b>CHKZ</b>	<b>Chkalovo</b>	56.86 341	eP	P	19 13 11.0 -1.3
	comp=Z,63nm,0.6s,mb5.8				
<b>CHKZ</b>	<b>Bodaibo</b>	58.11 10	eP	pP	19 13 16.8 -2.7
<b>BOD</b>			eP	pP	19 13 19.7 -1.4
<b>BOD</b>			eP	pP	19 13 26.7 -1.5
	comp=Z,16nm,1.0s,mb5.0				
<b>BOD</b>			AMB	AMB	
	comp=Z,14nm,1.1s,mb4.9				
<b>ASAJ</b>	<b>Asahikawa</b>	58.72 37	P	P	19 13 24.9 -0.7
	comp=Z,4.2nm,0.8s,mb4.5,baz=321,slow=2.7,SNR=2.5				
<b>KMBO</b>	<b>Kilima Mbo</b>	60.05 268	P	P	19 13 35.3 +0.2
	comp=Z,0.7nm,0.6s,mb3.9,baz=36,slow=24,SNR=3.0				
<b>KMBO</b>			LR	LR	19 34 58.2
	comp=Z,1.19nm,19.1s,MS4.0,baz=92,slow=32				
<b>YSS</b>	<b>Yuzh-Sakhalins</b>	60.41 341	eP	P	19 13 36.0 -1.1
<b>YSS</b>			AMB	AMB	19 13 50.0
	comp=Z,50nm,1.3s,mb5.4				
<b>YSS</b>	<b>Yuzh-Sakhalins</b>	60.41 34	P	P	19 13 35.9 -1.2
	comp=Z,33nm,1.2s,mb5.2				
<b>GNI</b>	<b>Garni</b>	61.42 316	iP	P	19 13 48.2 +4.1
<b>GNI</b>	<b>Garni</b>	61.42 316	P	P	19 13 45.0 +0.9
	comp=Z,2.0nm,0.5s,mb4.5,baz=328,slow=19,SNR=2.0				
<b>GNI</b>			LR	LR	19 45 41.0
	comp=Z,70nm,18.8s,MS3.8,baz=205,slow=41				
<b>TIZ</b>	<b>Plekhanov</b>	62.10 318	eP	P	19 13 47.8 -0.9
<b>SVE</b>	<b>Sverdlovsk</b>	62.82 338	iP	P	19 13 52.2 -1.0

<b>SVE</b>		comp=Z,12nm,1.0s,mb5.0	pmax	pmax	
<b>ARU</b>	<b>Arti</b>	63.31 337	iP	P	19 13 55.2 -1.3
<b>ARU</b>			eS	S	19 14 29.5
<b>ARU</b>			eS	S	19 22 26.9 +1.3
<b>ARU</b>			eSS	SS	19 26 37.4 +3.2
	comp=Z,8.0nm,1.0s,mb4.8				
<b>ARU</b>	<b>Arti</b>	63.31 337	eP	P	19 13 54.6 -1.8
	comp=Z,7.8nm,0.9s,mb4.8				
<b>ARU</b>	<b>Kislodvsk</b>	64.44 319	iP	P	19 14 02.3 -1.4
<b>KIV</b>			eP	pP	19 14 03.1 -1.0
<b>KIV</b>			e		19 14 14.7
<b>KIV</b>			e		19 14 36.0
<b>KIV</b>			eS	SS	19 26 53.6 +1.9
	comp=Z,13nm,1.3s,mb4.8				
<b>KIV</b>	<b>Kislodvsk</b>	64.44 319	eP	P	19 14 02.7 -1.4
	comp=Z,7.8nm,0.9s,mb4.8				
<b>KIV</b>			eP	pP	19 14 06.9 -1.7
<b>ASF</b>	<b>Jabal al Asfar</b>	64.58 305	P	P	19 14 06.1 +0.9
	comp=Z,1.3nm,0.3s,mb4.5,baz=219,slow=3.6,SNR=3.1				
<b>MALT</b>	<b>Malaya</b>	65.25 312	eP	P	19 14 09.1 -0.3
<b>MALT</b>			ePP	pP	19 14 16.8 +0.2
	comp=Z,3.0nm,1.0s,mb4.3				
<b>MALT</b>	<b>Malaya</b>	65.25 312	eP	P	19 14 09.1 -0.4
	comp=Z,2.6nm,1.0s,mb4.2				
<b>MALT</b>			eP	pP	19 14 16.8 +0.1
<b>YAK</b>	<b>Yakutsk</b>	65.52 16	eP	pP	19 14 09.2 -1.5
<b>YAK</b>			ePP	pP	19 14 15.3 -2.6
	comp=Z,42nm,1.0s,mb5.4				
<b>YAK</b>	<b>Yakutsk</b>	65.52 16	eP	P	19 14 09.2 -1.5
	comp=Z,42nm,1.0s,mb5.4				
<b>YAK</b>			eP	pP	19 14 15.3 -2.6
<b>EIL</b>	<b>Elat</b>	65.57 302	eP	P	19 14 12.2 +0.5
	comp=Z,4.1nm,1.1s,mb4.4,baz=309,slow=19,SNR=3.1				
<b>EIL</b>	<b>Elat</b>	65.57 302	eP	P	19 14 11.9 +0.3
	comp=Z,7				

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like CANB Canakkale, SART Tekirdag, PRK Paraskevi, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like BRTR comp=2.0,6nm,0.3s, etc., and various international stations.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like FRF 4.2nm,0.3s, LMR La Moure, etc., and various international stations.







Table with columns: IMI, NEGI, MONE, SDI, ROB, ENR, PZZ, CTI, LMR, BHB, MBDF, LPG, LPL, SMRF, ORIF, SOTA, WTTA, DAVA, MOTA, WATA, KBA, VIVF, CABF, LASF, HINF, HAU, CDF, SMF, MTLF, AVF, CAF, SSF, BGF, OTT. Includes station names, coordinates, and status.

OTT 09 22:10:54.2±0.1, 64.65N-110.69W, h1km, MN3.0/17, Blast, Diavik Mine, Ni Mining explosion, Northwest Territories

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like DVKN, ACKN, LGSN, YMBN, YNEN, GLWN, COWN, NODN, MLON, BOXN, CAMN, MGTN, GBLN, LUPN, SNPN, IHLN, KNDN, ILKN, WRA.

Table with columns: DSMN, CTLN, YKWB, GALL, FNBB, WRN, INK, FCC, QILN, RES, DAWY. Includes station names, coordinates, and status.

IDC 09 22:13:59.3±5.2, 21.15S-178.96W, h628km, 70km, mb2.9/7, mb1 3.2/7, mb1mx3.0/16, mbtmp3.9/7, Error ellipse: s-maj=120.7km s-min=25.3km az=155.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like STKA, ASAR, WRA, YBH, NVAR, ILAR, PDAR, AKASO, BRTR, GERES.

IGQ 09 22:21:48.8±0.01S±81.08W, h18km, 4km, mb4.6, Error ellipse: s-maj=6.3km s-min=4.6km az=30.0, NEIC 09 22:22:05.0±3.7, 0.12N-80.00W, h99km, 34km, mb4.2/5, MD4.7(GQ), Error ellipse: s-maj=68.0km s-min=14.8km az=56.0

IDC 09 22:22:05.4±0.0, 0.01S: 79.60W, h276km, 44km, mb3.1/4, mb1 3.4/6, mb1mx3.2/19, mbtmp3.8/6, Error ellipse: s-maj=45.2km s-min=18.1km az=71.0

ISC 09 22:21:53.9±0.6, 0.18S-0.06E, 80.86W, 0.05, h18km, n39, 15°08'44, mb3.9/7, 10C-9D, Near coast of Ecuador

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like JAMA, HJMA, MAGD, SALI, JORI, PINO, JUAZ, FERV, GGP, YANA, NASI, OTAV, OTAV, VCI, TAMB, COTA, IGUA, PISA, JUVI, ANTI, RRY, ULBA, CAYR, ELAGU, CAYA, ECEN, ROSE, SAML, LPAZ, MIAR, TXAR, WMOK, SDCO, NVAR, SCHO, YKA, YKA, WRA.

Table with columns: WRA, ASAR, STKA. Includes station names, coordinates, and status.

DJA 09 22:56:49.8±0.9, 7.46S: 117.20E, h240km, MD4.6/4, ML4.4/4, Error ellipse: s-maj=36.0km s-min=19.5km 177.0

IDC 09 22:56:52.8±2.2, 6.90S: 116.53E, mb3.6/5, mb1 3.8/5, mb1mx3.1/8, mbtmp3.7/5, Error ellipse: s-maj=147.4km s-min=20.1km az=56.0

ISC 09 22:56:55.0±0.6, 6.57S: 0.07:116.89E±0.06, h33km, n13, 0127/18, mb3.7/5, 2C-7D, Ball Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like KEDI, RATI, RATI, KELI, KELI, SLDI, SRDI, NINI, NINI, WRA, WB2, ASPA, ASAR, STKA, SONMI, MKAR.

NDI 09 23:39:11.6±4.7, 29.19N: 83.82E, h10km, ML3.6, mb4.0(NEIC)

NEIC 09 23:39:15.3±0.8, 30.43N: 83.38E, h10km, mb4.0/4, Error ellipse: s-maj=17.7km s-min=13.6km az=84.0

MOS 09 23:39:16.7±1.9, 30.37N: 83.20E, h33km, mb4.1/4, Error ellipse: s-maj=23.1km s-min=14.8km az=96.9

IDC 09 23:39:32.9±8.1, 30.72N: 83.95E, h146km, 78km, mb3.0/5, mb1 3.1/7, mb1mx2.9/24, mbtmp3.4/7, Error ellipse: s-maj=51.0km s-min=19.6km az=55.0

ISC 09 23:39:15.1±1.4, 30.27N: 0.08: 83.59E±0.05, h13km, 9km, n27, 0164/33, mb3.6/6, 1D, Xizang

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PTH, LGTI, KALG, SMLA, SMLA, AGRA, AGRA, SONA, SONA, SONA, LSA, LSA, KHET, KHET, HYB, HYB, CMAR, KURK, KURK, PALK, ZAL, ZAL, BVAR, SONMI, ULN, ULN, ARU, ARU, ARU, FINES, WRA.

NNC 09 23:44:48.9±4.0, 38.28N: 72.04E, mpv3.8, Error ellipse: s-maj=50.3km s-min=39.9km az=57.0

ISC 09 23:44:53.2±7.7, 37.9N: 0.2: 71.9E±0.2, h33km, n8, 0562/10, 3C-1D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like AML, UCH, EKS2, AAK, AAK, AAK, KK31, KK31, CHMS, USP.





Table with columns: SOC, Station Name, Time, Res, etc. Includes stations like Sochi, Anapa, Matop, Keskin Array, etc.

KRSC 10:01:39:55.6:1.2, 50.49N:157.05E, h18km, 6km, ML4.3
MOS 10:01:39:56.0:2.4, 50.48N:157.41E, h47km, mb4.2/1, Error ellipse: s-maj=55.9km s-min=13.4km az=75.2

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like Severo-Kuril's, Pauzhetka, Alud, etc.

Table with columns: KPT, Station Name, Time, Res, etc. Includes stations like Kopyto, Kozyrsk, etc.

IDC 10:01:46:37.8:1.0, 0.33S:96.93E, mb3.5/4, mb1 3/7.5, mb1mx3.4/19, mbtmp3.6/5, Error ellipse: s-maj=123.4km s-min=22.2km az=58.0, Southwest of Sumatara

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like Chiang Mai Arr, WRA, ASAR, etc.

ATH 10:01:54:06.8, 35.77N:29.09E, h10km, MD2.9/3
ISK 10:01:54:07.5, 36.00N:29.06E, h25km, MD3.2
CSEM 10:01:54:08.4:0.3, 36.10N:29.12E, h40km, MD3.2, Error ellipse: s-maj=7.6km s-min=4.3km az=142.0

ISC 10:01:54:06.8:1.1, 35.94N:0.05, 29.05E, 0.5, h6km, 6km, n15, c1509/22, Eastern Mediterranean Sea

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like Kastellorizon, AKAS, etc.

IDC 10:01:58:19.6:2.6, 6.04N:92.38E, mb3.6/4, mb1 3/9.5, mb1mx3.5/21, mbtmp3.5/15, ML3.8/1, Error ellipse: s-maj=98.2km s-min=24.5km az=63.0, Nicobar Islands region

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like Chiang Mai Arr, MKAR, ZAL, etc.

IDC 10:02:05:26.4:12.0, 30.84N:51.71E, mb3.6/5, mb1 3/8/7, mb1mx3.5/25, mbtmp3.7/7, ML3.5/2, Error ellipse: s-maj=206.3km s-min=47.5km az=150.0

THR 10:02:05:36.9:0.7, 31.62N:50.97E, h14km, km, ML3.1
CSEM 10:02:05:40.4:0.1, 31.67N:50.96E, h50km, ML3.1, Error ellipse: s-maj=3.4km s-min=2.7km az=13.0

TEH 10:02:05:45.9, 32.15N:51.35E, h10km, Mn3.1
ISC 10:02:05:39.9:0.5, 31.67N:0.05, 50.89E, 0.05, h33km, n33, c1339/31, mb3.5/5, Northern and central Iran

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like IGAR, IZEF, etc.

SHGR Shooshtar-Gavs 1.83 284 ePG P 02 06 11.6 +2.1
SHGR comp=N, 261nm, 0.6s

NASN Na'in 1.98 55 ePG AML 02 06 12.6 +1.1

ISAD Sadrabad 2.39 83 Pn Pn 02 06 19.7 +2.0
IPAR Pars 2.60 134 Pn Pn 02 06 20.8 +0.1
ASAO Ashtian 2.96 346 ePN AML 02 06 27.0 +1.3

ISRV Sarvestan 2.98 139 Pn Pn 02 06 25.1 -1.0
ICHK Chekchek 3.04 78 Pn Pn 02 06 28.4 +1.5
IMOK Mook 3.06 148 Pn Pn 02 06 23.6 -3.5

IQOM Gom 3.17 3 Pn Pn 02 06 28.8 +0.1
IQOM Gom 3.17 3 Pn Pn 02 06 28.8 +0.1

IMEH Mehriz 3.19 94 Pn Pn 02 06 31.0 +2.0
IVRN Yaramin 3.39 12 Pn Pn 02 06 31.3 +0.5
IRAZ Razeghan 3.81 348 Lg Pn 02 07 35.4

IRAZ Razeghan 3.81 348 Lg Pn 02 06 38.2 +0.4
GHIR Ghir-Karzin 3.83 151 ePN AML 02 06 36.7 -1.5

IBAF Bafgh 3.99 90 Pn Pn 02 06 41.6 +1.2
IMHD Mahdasht 4.01 357 Pn Pn 02 06 40.4 -0.2
IDMV Damavand 4.01 13 Pn Pn 02 06 39.9 -0.8

IFIR Firoozkooh 4.25 21 Pn Pn 02 06 42.3 -1.8
SNGE Sanandaj 4.52 320 ePN Pn 02 06 48.3 +0.4
IDHR Dehrah 4.83 30 Pn Pn 02 06 52.0 +1.1

ASF Jabal al Asfar 11.90 276 Pn Pn 02 08 28.5 -1.7
BRTR Keskin Array B 16.14 305 P P 02 09 27.8 +2.0

MLR Muntele Rosu 23.77 313 P P 02 10 52.1 +2.0
AKASE Malin Array Be 24.83 326 Lg Pn 02 10 59.8 -1.2

FINES FINESS Array B 33.89 339 P P 02 12 19.5 -1.9
NOA NORSAR Array B 39.12 330 P P 02 13 03.6 -1.9

IDC 10:02:08:25.0:1.1, 63.22N:151.42W, mb3.6/5, mb1 3/8/9, mb1mx3.6/22, mbtmp3.6/9, ML3.5/2, M1 3/1.2, ms1mx2.7/37, Error ellipse: s-maj=21.3km s-min=13.0km az=175.0

NEIC 10:02:08:26.1, 63.23N:151.37W, h7km, ML4.1 (PMR), ML3.7 (AEC), After AEC

ISC 10:02:08:26.7:0.6, 63.23N:151.37W, h0.7, h24km, 5km, n50, c0885/53, mb3.6/5, MS2.9/1, Central Alaska

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like KTH, KTR, TRF, etc.

Table with columns: HUR, Station Name, Time, Res, etc. Includes stations like Hurricane, Chulitna, etc.

THY Trims Highway 2.50 85 P Pn 02 09 08.4 +1.5
PAX Paxson 2.67 60 P Pn 02 09 10.1 +0.9

SLKM Skiak Lake 2.83 169 eP Pn 02 09 11.6 0.0
IM3 Indian Mountain 2.91 340 P Pn 02 09 12.9 +0.3

SVW2 Sparrevohn 2.97 224 P Pn 02 09 12.9 +0.7
IMA Indian Mountain 2.98 341 eP Pn 02 09 14.4 +0.8

MENT Mentasta 3.46 92 eP Pn 02 09 23.5 +1.8
CNPM China Poot 3.77 179 P Pn 02 09 24.9 0.0

GLB Gilahina Butte 3.95 115 P Pn 02 09 28.4 +1.0
COLD Coldfoot 3.99 6 P Pn 02 09 28.2 +0.3

BCA3 Beaver Creek A 4.32 89 P Pn 02 09 32.5 -0.1
BALM Newport 4.77 114 P Pn 02 09 39.0 -0.1

DAWY Dawson 5.36 76 eP Pn 02 09 45.8 -1.6
TNA Tin City 7.54 295 P Pn 02 10 16.4 -1.7

INLK Inuvik 8.85 48 Pn Pn 02 10 34.5 -1.7
INR 0.2nm, 0.3s, baz=243, slow=14, SNR=3.2 Sn 02 12 14.0 -2.2

INR 0.2nm, 0.3s, baz=115, slow=19, SNR=2.2 Lg 02 13 06.3
INR 0.2nm, 0.3s, baz=139, slow=18, SNR=2.7 Lg 02 14 31.4

DLBC Dease Lake 11.42 105 P Pn 02 11 10.2 -1.1
DLBC 0.2nm, 0.3s, baz=248, slow=13, SNR=4.7 Lg 02 14 28.2

DLBC 0.3nm, 0.3s, baz=345, slow=19, SNR=2.6 Lg 02 14 28.2
DLBC Dease Lake 11.42 105 Pn 02 11 10.2 -1.1

YKA Yellowstone Ar 16.60 76 Pn 02 12 18.4 -0.7
0.1nm, 0.3s, baz=294, slow=10, SNR=19 Lg 02 13 04.0

NEW Newport 24.01 113 Lg Pn 02 24 00.0
comp=Z, 39nm, 18.4s, MS2.9, baz=134, slow=37 Lg 02 24 50.3 +0.9

Pinedale Array 31.59 111 P Pn 02 24 50.3 +0.9
0.6nm, 0.8s, mb3.5, baz=339, slow=3.4, SNR=6.1 Lg 02 17 47.5 +0.4

SOMN Songo Array 53.54 305 P Pn 02 17 47.5 +0.4
0.3nm, 0.3s, baz=9, baz=11, slow=3, SNR=8.7 Lg 02 17 58.6 -0.8

ZAL Zalesovo 55.23 323 P Pn 02 17 58.6 -0.8
0.5nm, 0.7s, mb3.6, baz=89, slow=13, SNR=3.8 Lg 02 18 03.7 +1.9

FINES FINESS Array B 55.57 2 P Pn 02 18 03.7 +1.9
0.1nm, 0.5s, mb3.8, baz=344, slow=14, SNR=2.5 Lg 02 18 47.1 -2.1

MKRK Malinchi Array 62.37 321 P Pn 02 18 47.1 -2.1
0.3nm, 0.6s, mb3.6, baz=42, slow=6.2, SNR=3.9 Lg 02 18 47.1 -2.1

IDC 10:02:23:45.7:0.4, 10.60N:92.26E, mb4.7/27, mb1 4.8/28, mb1mx4.1/36, mbtmp4.7/28, ML4.5/1, MS4.2/21, M1 4.2/21, ms1mx4.1/36, Error ellipse: s-maj=15.8km s-min=10.8km az=52.0

BUI 10:02:23:48.1, 10.42N:92.31E, h40km, mb5.0, mb5.0, MS4.6, MS4.3

MOS 10:02:23:48.7:0.8, 10.57N:92.25E, h33km, mb5.2/25, MS4.4/11, Error ellipse: s-maj=9.2km s-min=5.5km az=104.3

HRVD 10:02:23:50.3:0.7, 10.75N:92.09E, h12km, MW5.0/37, Centroid moment tensor Solution, LP body waves: s13.c17, Mantle waves: s37.c48; Half duration: 0. Moment tensor: Scale 1016Nm; Mn7.0:16; Ms0.62:13; Mw-1.32; 10: Ms-0.12; 43: Mw-0.78; 10: Mw-3.58; 29: Best double couple: M3.792; 10: NP1.56; 813: 1414: NP2.0; 181: 882: 799: Principal axes: T:3.455, P1g52: Azm780: N:673, P1g11: Azm182: P:4.129, P1g36: Azm280: nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 10:02:23:50.3:0.2, 10.57N:92.25E, mb4.9/35, Error ellipse: s-maj=5.4km s-min=3.9km az=47.0

ISC 10:02:23:47.2:1.0, 10.53N:0.03, 92.21E, 0.03, h25km, 6km, h31km, 5km; p-P, n189, c097/202, mb4.8/71, MS4.3/39, ISC-7D, Andaman Islands region

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like Port Blair, Nongplab, etc.

PBA Port Blair 1.23 25 Op Pn 02 24 10.7 +1.6
NNT Nongplab 7.65 74 eS Pn 02 24 29.6 +4.5

PBA Nongplab 7.65 74 eS Pn 02 24 29.6 +4.5
SNG Senghla 8.95 111 P Pn 02 26 02.0 +4.0

NST Nakhon Sawan 9.25 56 P Pn 02 26 03.0 +0.8
BDT Bhumibol Dam 9.38 44 P Pn 02 26 04.0 0.0

KULM Kulm 9.84 121 P Pn 02 26 11.7 +1.2
CM31 Chiang Mai Arr 10.22 39 eP Pn 02 26 15.4 -0.3

CMAR Chiang Mai Arr 10.22 39 iP Pn 02 26 15.6 -0.1
comp=Z, 15nm, 0.6s pmax pmax

CMAR Chiang Mai Arr 10.22 39 Pn Pn 02 26 14.8 -0.9
comp=Z, 1.1nm, 0.3s, baz=232, slow=14, SNR=92 Lg 02 31 07.9

CMAR Chiang Mai Arr 10.22 39 Lg Pn 02 26 18.7 -0.7
comp=Z, 2um, 18.1s, baz=219, slow=44 Lg 02 26 18.7 -0.7

VIS Vishakhapatnam 11.19 311 eP Pn 02 26 26.6 -2.3
VIS Vishakhapatnam 11.19 311 eS Pn 02 28 18.0 -1.6

VIS 0.2nm, 0.3s, baz=232, slow=14, SNR=92 Lg 02 28 21.8
comp=N, 153nm, 0.9s e 02 28 22.0

VIS 0.2nm, 0.3s, baz=232, slow=14, SNR=92 Lg 02 37 20.8
KTKT Khon Kaen 11.82 60 P Pn 02 28 47.0 +1.0

PALK Pallekele 11.82 255 eP Pn 02 26 36.8 -0.8
HYB Hyderabad 14.92 299 eP Pn 02 27 18.0 -0.5

HYB Hyderabad 14.92 299 eS Pn 02 27 18.0 -1.1
HYB Hyderabad 14.92 299 iP Pn 02 27 18.0 -0.5

SHL Shillong 14.96 359 eP Pn 02 27 18.0 -1.0
BLSP Bilaspur 15.04 321 eP Pn 02 27 20.1 0.0

TRD Trivandrum 15.18 264 eP Pn 02 27 28.2 +6.2
TRD Trivandrum 15.18 264 eP Pn 02 30 32.2 +0.0

NGP Nagpur 16.48 311 eP Pn 02 27 39.9 +1.3
comp=N, 93nm, 1.5s e 02 30 27.2
LATR Latur 17.06 299 eS Pn 02 30 44.5 -1.3







s-min=15.2km az=57.0  
NEIC 10 03:50:21.6, 0.6, 1.60S-99.72E, h30km, mb3.9/1, Error  
ellipse: s-maj=30.2km s-min=8.4km az=57.0

ISC 10 03:50:19.2-1.3, 1.6S-92.97E, 0.3, h30km, n15,  
c0711/13, mb4.0/10, Southern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include Chiang Mai Arr, Fitzroy Crossi, Warramunga Arr, etc.

IGQ 10 03:53:23.3, 4.37Sx80.60W, h59km, 19km, mb4.8, Error  
ellipse: s-maj=7.4km s-min=5.6km az=45.4

ISC 10 03:53:28.4, 0.8, 3.92S-80.09W, h33km, mb3.5/11,  
mb1.3/8.12, mb1mx3.7/20, mbtmp3.8/12, ML4.0/1, Error  
ellipse: s-maj=33.5km s-min=13.5km az=52.0

NEIC 10 03:53:28.0, 0.6, 4.13S-80.32W, mb4.2/3, Error ellipse:  
s-maj=15.9km s-min=9.3km az=68.0

ISC 10 03:53:27.1, 1.0, 4.15S-80.39W, 0.08, h47km, gkm,  
n46, c110/49, mb3.7/12, 4C-2D, Peru-Ecuador border  
region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include Salinas, Cerro de Hojas, IGUA, etc.

SDV Santo Domingo 16.19 37 Pn  
0.5m, 0.3s, baz=14, slow=3, SNR=5.2

LPAZ La Paz 17.04 136 P  
0.3m, 0.3s, baz=88, slow=17, SNR=2.5

SAML Samuel 17.74 106 P  
22m, 1.1s

PCRV Puerto La Cruz 21.18 48 P  
4.2m, 0.6s, mb4.0, baz=102, slow=22, SNR=3.2

LVC Limon Verde 21.46 150 P  
12m, 0.7s, mb4.3, baz=213, slow=9.2, SNR=10

SIV San Ignacio 22.34 123 P  
2.0m, 0.5s, mb3.8, baz=131, slow=12, SNR=15

CFAA Coronel Fontan 29.61 159 P  
0.1m, 0.6s, mb2.7, baz=274, slow=9.9, SNR=3.7

BDFB Brasilia 33.81 112 P  
1.9m, 0.8s, mb4.0, baz=124, slow=11, SNR=2.8

ANMO Albuquerque 45.97 330 P  
0.7m, 0.6s, mb3.8, baz=158, slow=11, SNR=4.7

ANMO Pinedale Array 53.63 344 P  
0.3m, 0.7s, mb3.3, baz=135, slow=7.7, SNR=2.5

NVAR Mina Array B 55.00 324 P  
0.8m, 0.7s, mb3.9, baz=135, slow=7.7, SNR=4.6

NVAR 0.6m, 0.6s, baz=140, slow=8.5, SNR=2.9

SCHQ Schefferville 59.84 9 P  
1.4m, 0.9s, mb4.0, baz=236, slow=17, SNR=3.0

SCHQ Schefferville 59.84 9 P  
0.1m, 0.6s, mb2.9, baz=143, slow=6.2, SNR=5.1

YKA Yellowknife Arr 71.38 344 P  
0.1m, 0.6s, baz=138, slow=6.2, SNR=3.9

YKA Yellowknife Arr 71.38 344 P  
0.1m, 0.6s, baz=138, slow=6.2, SNR=3.9

DBIC Dimbokro 76.16 82 P  
2.8m, 0.7s, mb4.3, baz=278, slow=5.7, SNR=5.8

DBIC Dimbokro 76.16 82 P  
3.3m, 0.7s, baz=269, slow=4.7, SNR=2.5

DBIC Dimbokro 76.16 82 P  
6.5m, 1.0s, mb4.5

DBIC Eielson Array 83.94 337 P  
0.3m, 0.8s, mb3.5, baz=108, slow=2.9, SNR=3.1

WRA Warramunga Arr 138.32 234 PKP  
0.3m, 0.5s, baz=113, slow=2.1, SNR=3.5

WRA 0.5m, 0.8s, baz=114, slow=2.1, SNR=3.5

FITZ Fitzroy Crossi 146.13 228 PKPbc  
5.0m, 1.0s, baz=104, slow=3.8, SNR=3.4

ISC 10 04:01:47.8, 1.7, 9.00S-125.39E, mb3.5/1, mb1 3.5/4,  
mb1mx3.4/16, mbtmp3.3/4, ML3.0/3, Error ellipse:  
s-maj=82.5km s-min=21.8km az=67.0, Timor region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include Fitzroy Crossi, Warramunga Arr, etc.

ISC 10 04:01:53.4, 0.5, 4.2S-96.91E, mb4.2/17, mb1 4.3/18,  
mb1mx4.2/23, mbtmp4.2/18, ML4.1/1, MS3.1/1, MS1 3.3/1,  
ms1mx2.7/26, Error ellipse: s-maj=23.8km s-min=13.0km  
az=57.0

BUI 10 04:01:56.0, 1.0, 40S-97.00E, h30km, mb4.5

NEIC 10 04:01:58.0, 0.3, 0.36S-97.01E, h30km, mb4.4/9, Error  
ellipse: s-maj=10.2km s-min=6.0km az=68.0

ISC 10 04:01:52.9, 9.3, 0.4S-0.1, 97.0E, 0.2, h6km, 57km, n41,  
c100/37, mb4.3/26, Southwest of Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KULM, CMAR, CHANG MAI, etc.

ISC 10 04:02:22.8, 3.3, 0.74N-97.99E, mb3.6/5, mb1 3.7/5,  
mb1mx3.5/20, mbtmp3.6/5, Error ellipse:  
s-maj=137.9km s-min=26.6km az=54.0, Northern  
Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include WRA, SONM, MKAR, etc.

NEIC 10 04:11:13.3, 2.1, 0.49S-97.04E, h30km, mb4.1/3, Error  
ellipse: s-maj=56.1km s-min=16.7km az=130.0

ISC 10 04:11:14.2, 4.0, 0.00N-95.88E, mb4.1/8, mb1 4.2/9,  
mb1mx4.0/21, mbtmp4.1/9, ML4.3/1, Error ellipse:  
s-maj=124.1km s-min=21.9km az=120.0

ISC 10 04:11:16.2, 2.0, 4.5S-0.3, 97.0E, 0.3, h30km, n13,  
c104/13, mb4.1/10, Southwest of Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KULM, CMAR, CHANG MAI, etc.

ISC 10 04:12:01.4, 0.7, 2.72Sx171.25E, mb4.6/13, mb1 4.7/16,  
mb1mx4.7/19, mbtmp4.6/16, ML3.8/3, MS4.3/20, MS1 4.3/20,  
ms1mx4.3/22, Error ellipse: s-maj=21.7km s-min=15.8km  
az=165.0

HRVD 10 04:12:03.0, 0.2, 22.81Sx170.94E, h14km, MW5.2/66,  
Centroid moment Tensor Solution. LP body waves:  
s54, c86, Mantle waves: s66, c114; Half duration: 1s0  
Moment tensor: Scale 10^17Nm; Mw: 0.61±0.03;  
Mw: 0.63±0.02; Mw: 0.05±0.02; Mw: 0.01±0.01; Mw: 0.14±0.01;  
Mw: 0.01±0.04; Best double couple: Mw: 8.2x10^17 NPT; 290°,  
327°, 1105°; NP2±0.63; 164°, 182°. Principal axes: T: 786,  
Plg70°, Azm347°; N: 068, Plg7°, Azm96°; P: 853, Plg19°,  
Azm189°; nsta1 refers to body waves, cutoff=40s. nsta2  
refers to surface waves, cutoff=50s.

NEIC 10 04:12:03.5, 0.3, 22.71Sx171.16E, h10km, mb5.2/11,  
MS4.3/4 Error ellipse: s-maj=10.8km s-min=8.9km  
az=14.0

BUI 10 04:12:04.1, 2.1, 81Sx171.25E, h10km, mb5.5, mb4.9,  
MS5.2, MS2.0

MOS 10 04:12:08.0, 1.6, 22.84Sx170.81E, h33km, mb5.2/10, Error  
ellipse: s-maj=16.0km s-min=11.9km az=29.5

ORF 10 04:12:10.8, 23.78Sx167.88E, h30km, mb5.9

ISC 10 04:12:03.2, 0.4, 22.75S-107.471E, 0.05, h18km,  
h18km, 53km, pp-P, n154, c1808/70, mb4.8/29, MS4.2/23,  
15C-7D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include DZM, Urewera, etc.

ISC 10 04:12:03.2, 0.4, 22.75S-107.471E, 0.05, h18km,  
h18km, 53km, pp-P, n154, c1808/70, mb4.8/29, MS4.2/23,  
15C-7D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include DZM, Urewera, etc.

ISC 10 04:12:03.2, 0.4, 22.75S-107.471E, 0.05, h18km,  
h18km, 53km, pp-P, n154, c1808/70, mb4.8/29, MS4.2/23,  
15C-7D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include DZM, Urewera, etc.

ISC 10 04:12:03.2, 0.4, 22.75S-107.471E, 0.05, h18km,  
h18km, 53km, pp-P, n154, c1808/70, mb4.8/29, MS4.2/23,  
15C-7D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include DZM, Urewera, etc.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, ENH Enshi, FITZ Fitzroy Crossi, etc.

IDC 10 06:22:03.2, 2.4, 1.02N, 97.11E, mb3.6/6, mb1 3.8/7, mb1mx3.6/21, mbmp3.6/7, ML4.0/1, Error ellipse: s-maj=99.7km s-min=20.7km az=58.0

ISC 10 06:22:05.9, 1.8, 1.0N, 97.11E, 0.1, h33km, n7, e06/64/7, mb3.6/6, Northern Sumatera

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

TEH 10 06:36:58.0, 3.3, 18N, 45.63E, h8km, Mn3.3 CSEM 10 06:36:58.0, 5.3, 34.13N, 45.38E, h10km, ML3.3, Error ellipse: s-maj=17.6km s-min=4.7km az=160.0

THR 10 06:37:12.4, 0.4, 0.3, 33.88N, 46.58E, h18km, 7km, ML2.8 ISC 10 06:37:09.8, 1.8, 33.88N, 0.09, 46.1E, 0.1, h33km, n16, e15/16, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IGHH Ghalehazhi, IDHR Dehresh, IVIS Vays, etc.

NEIC 10 06:45:35.1, 16.21N, 97.65W, h38km, MD4.1 (MEX), After MEX: MEX 10 06:45:34.4, 0.9, 16.22N, 97.62W, h7km, 12km, MD4.1, 3C, Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PNIG Pinotepa, VHO Vista Hermosa, OXX Oaxaca, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NEIC 10 06:46:42.3, 1.1, 6.23N, 92.81E, h41km, 10km, mb4.2/5, etc.

IDC 10 06:52:58.0, 0.7, 0.11N, 97.77E, h30km, mb4.3/2, Error ellipse: s-maj=21.8km s-min=8.1km az=63.0

ISC 10 06:52:56.4, 1.0, 0.2N, 0.1, 97.8E, 0.2, h30km, n16, e04/6/15, mb4.3/9, Northern Sumatera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KULM Kulim, CMAR Chiang Mai Arr, FITZ Fitzroy Crossi, etc.

ISC 10 06:53:23.3, 0.8, 37.67N, 0.04, 35.68E, 0.06, h10km, n7, e15/4/12, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CEYT Ceyhan, KAHT Kahat, BNN Bunyan, etc.

IDC 10 07:14:60.0, 3.2, 1.17N, 97.35E, mb3.6/4, mb1 3.9/5, mb1mx3.6/20, mbmp3.7/5, MS3.0/1, Ms1 3.2/1, ms1mx2.5/30, Error ellipse: s-maj=115.8km s-min=27.0km az=59.0, Northern Sumatera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, WRA Warramunga Arr, SONMG Songo Array, etc.

NEIC 10 07:27:14.0, 3.2, 02.32S, 71.54W, h29km, ML2.5 (GUC), After GUC: GUC 10 07:27:14.0, 0.8, 32.02S, 71.54W, h29km, 3km, MD3.6, ML2.5, SC-1D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CHNG Los Chungos, ILCH Ilipale, PACH Papudo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ROCH Rinconada Maip, CLCH Cerro Calan, FCH Fanelones, etc.

STR 10 07:38:31.1, 0.2, 48.36N, 6.66E, h10km, 1km, M2.5, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0 BGR 10 07:38:31.9, 0.2, 48.34N, 6.68E, h10km, ML2.0/3, Error ellipse: s-maj=2.2km s-min=1.1km az=100.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HAU Haudompe, ECH Echery, THEF They Montfort, etc.

WLS Welschbruch 0.51 81 ePg Pg 07 38 40.8 +0.9 WLS SNR=36

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HINF Hinterfeld, MOF Molkenrain, MOF Molkenrain, etc.

SFTF Sexfontaines 1.05 263 ePn Pg 07 38 51.1 +1.4 SFTF SNR=11

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CEYTD Feldberg, FELD Feldberg, BBS Basel-Blauen, etc.

RUP Ruppelstein 1.40 12 ePg Pg 07 38 58.2 +0.8 RUP SNR=2.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, WRA Warramunga Arr, SONMG Songo Array, etc.

TNS Tausan Mts 2.24 32 eSg Pg 07 39 42.1 -1.9 TNS SNR=0.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CHNG Los Chungos, ILCH Ilipale, PACH Papudo, etc.





Table with columns: STATION, TIME, AZ, Op, P, Res, h, m, s, ISC. Includes stations like WRAB, STKA, STKA, FINES.

Table with columns: STATION, TIME, AZ, Op, P, Res, h, m, s, ISC. Includes stations like IMI, FRF, FRF, FRF, FRF.

Table with columns: STATION, TIME, AZ, Op, P, Res, h, m, s, ISC. Includes stations like EPF, TNS, KBA, KBA, KBA.

ZUR 10 08:04:37.7, 45.33N, 6.52E, h6km, 1km, ML3.2/22
CSEM 10 08:04:38.8-0.1, 45.32N, 6.56E, h5km, ML3.9/30, Error
ellipse: s-maj=1.1km s-min=1.0km az=78.0

PLDF La Plantede 2.07 288 Pn Pn 08 05 17.1 +4.3
BOUR Bourrignon 2.09 151 P Pn 08 05 14.2 +1.1
BALST Balsthal 2.15 23 P Pn 08 05 15.2 +1.3

ETSF Etsaut 5.61 246 eP Sg 08 06 06.8 +3.7
WET Wetzell 5.78 47 ePn Pn 08 06 04.6 -0.9
WET Wetzell 5.78 47 ePn Pn 08 07 07.0 -6.2

PRU 10 08:04:43.9, 45.16N, 6.62E
ISC 10 08:04:36.7-0.1, 45.372N, 6.45E, 0.01, h3km, n155,

SMF Signal de Mont 2.22 306 ePn Pn 08 05 16.3 +1.4
SMF 08 05 18.5 eP Sg 08 05 21.6 +0.6

MOA Mollin 5.93 63 P Pn 08 06 09.5 +1.9
MOA 08 07 24.3 +7.3
SJPF Ste Jean 5.95 250 ePn Sg 08 06 07.8 -7.2

Table with columns: Code, Station Name, A° AZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like LPL, LPL, LPL, LPL, LPL.

Table with columns: Code, Station Name, A° AZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like BBS, BBS, BBS, BBS, BBS.

Table with columns: Code, Station Name, A° AZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like MOA, MOA, MOA, MOA, MOA.

Code Station Name A° AZ Op Phase ID ISC Time Res h m s ISC

Code Station Name A° AZ Op Phase ID ISC Time Res h m s ISC

Code Station Name A° AZ Op Phase ID ISC Time Res h m s ISC

Code Station Name A° AZ Op Phase ID ISC Time Res h m s ISC

Code Station Name A° AZ Op Phase ID ISC Time Res h m s ISC

Code Station Name A° AZ Op Phase ID ISC Time Res h m s ISC

Code Station Name A° AZ Op Phase ID ISC Time Res h m s ISC

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Code Station Name A° AZ Op Phase ID ISC Time Res h m s ISC





Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes rows for BVAR Borovoye Array, CHKZ Chkalovo, MATP Matopo, etc.

IDC 10 09:02:35.3-2.0, 0.60S-96.54E, mb3.7/6, mb1 3.9/7, mb1mx3.7/19, mtbtp3.8/7, ML4.0/1, Error ellipse: s-maj=87.9km s-min=20.1km az=55.0

NEIC 10 09:02:40.2-1.1, 0.51S-96.72E, h30km, mb3.8/1, Error ellipse: s-maj=46.1km s-min=11.5km az=56.0

ISC 10 09:02:38.3-1.3, 0.45S-92.96E, h30km, n11, -0.061/9, mb3.8/7, Southwest of Sumatara

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes rows for CMAR Chiang Mai Arr, WARR Warramunga Arr, WRAB Tennant Creek, etc.

IDC 10 09:35:48.9-6.6, 1.17N-97.77E, mb3.3/3, mb1 3.5/3, mb1mx3.3/19, mtbtp3.3/3, Error ellipse: s-maj=332.9km s-min=28.6km az=55.0, Northern Sumatara

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

MAN 10 09:40:26.4, 6.26N-123.14E, h8km, mb4.1, ML2.9, MS2.5, 1D, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes rows for IPIL Ipi, DCPH Dipolog City, BUKP Musuan, CUVO Cuyo Island

NIED 10 09:44:00.33, 80N-134.40E, h17km, Mw3.2 Best double couple: M8.07, 1013 NP1, 247, 884, -1, 163. NP2: 153, 373, -1, 6

JMA 10 09:44:10.9, 33.78N-134.40E, h15km, M3.6, 3C-3D, Shikoku

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes rows for JAI Aioi, JMI Monobe, MUR Murotomisaki 2, etc.

BJI 10 09:50:59.6, 1.26N-97.28E, h32km, mb5.3, mb5.0, Ms4.7, Ms24.6

MOS 10 09:51:00.5-0.7, 1.42N-97.08E, h33km, mb5.1/26, Error ellipse: s-maj=13.8km s-min=7.1km az=99.7

IDC 10 09:51:01.1-0.6, 1.39N-97.04E, h25km, mb4.4/16, mb1 4.5/17, mb1mx4.4/21, mtbtp4.5/17, ML4.7/1, MS4.1/2, Ms1 4.2/2, ms1mx3.4/31, Error ellipse: s-maj=25.4km s-min=11.3km az=51.0

NEIC 10 09:51:01.5-0.3, 1.38N-97.11E, mb5.0/33, Error ellipse: s-maj=7.2km s-min=5.0km az=45.0

NEIC Fell at Padang, Sumatra

ISC 10 09:50:59.6-0.3, 1.40N-0.05-97.11E-0.04, h26km, 126km, 1.44km, p-P, n124, -0.09/127, mb4.8/62, MS4.5/13, 10C-4D, Northern Sumatara

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes rows for IPM Ipo, KULM Kulim, KGM Kluang, KSM Kuching, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes rows for SHL Guiyang, GYA Gyalung, GYA Gya, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes rows for ZAK Changchun, CN2 Changchun, CN2, etc.





Table with columns: BRG, Station Name, Time, Res, ISC, H, m, s, ISC. Includes stations like Berggiesshubel, Kasperke Hory, Colim, etc.

Table with columns: PCRV, LPAZ, LPZA, LPZA, SDV, ROSC, OTAV. Includes stations like Puerto La Cruz, La Paz, Santo Domingo, etc.

CRAAG 10:29:09.3, 1.55S:99.59E, Mb6.8
NIC 10:29:09.3, 0.8, 1.55S:99.59E, 10km, Earthquake

BUI 10:29:09.1, 2.13S:99.53E, h45km, mb6.4, mb5.9, Ms7.0, Msz6.8
DJA 10:29:11.2, 1.1, 1.76S:99.71E, h33km, mb6.1/2, ML6.8/2

NEIC 10:29:11.3, 0.1, 1.64S:99.61E, h19km, mb6.4/133, ME6.8, MS6.7/114, MW6.5

ISC 10:29:10.8, 0.1, 1.64S:99.58E, 0.02, h26km, m26km, 1.0km, pp-P, n1314, c1911/1118, MS6.6/156, 167C-67D, Southern Sumatra

Table with columns: Code, Station Name, A, AZ, Phase ID, Time, Res, H, m, s, ISC. Includes stations like KSI, PSI, KGM, etc.

Table with columns: SCZP, AGT, TBP, KMI, KMI, KMI, KMI, KMI, KMI, KMI, KMI. Includes stations like Santa Cruz, Agartala, Tagbilaran, Kunming, etc.

comp=Z,209nm,1.1s,mb5.6
comp=Z,2um,6.4s

comp=N,114um,15.9s
comp=E,210um,25.4s

comp=Z,146um,18.2s,MS6.6
comp=Z,209nm,1.1s,mb5.6

comp=Z,146um,18.2s,MS6.6
comp=Z,209nm,1.1s,mb5.6

comp=Z,146um,18.2s,MS6.6
comp=Z,195um,20.0s,MS6.7

comp=Z,3um,1.7s,mb6.6
comp=Z,3um,1.7s,mb6.6

comp=Z,200nm,0.8s,mb5.9
comp=N,145um,18.6s,MS6.8

comp=Z,168um,20.0s,MS6.7
comp=Z,211nm,0.9s,mb5.3

comp=Z,211nm,0.9s,mb5.3
comp=Z,10.0nm,0.9s,mb5.2

comp=Z,2.2nm,0.9s,mb5.2
comp=Z,2.2nm,0.9s,mb5.2

Table with columns: Station Name, Time, Res, ISC, H, m, s, ISC. Includes stations like Santa Cruz, Agartala, Tagbilaran, Kunming, etc.







Table with columns: BR131, Keskinn Array S, 72.77 312, PFAKE, LR, 10 40 50.0 +1.1, etc. Includes rows for BR131, BR131, BR131, BR131, BR131, etc.

Table with columns: ODDZ, Otahua Downs, 75.52 136, PN, P, 10 40 55.1 +0.2, etc. Includes rows for ODDZ, ODDZ, ODDZ, ODDZ, ODDZ, etc.

Table with columns: MPAR, Parnis Oros, 79.90 309, eP, P, 10 41 18.0 -1.2, etc. Includes rows for MPAR, MPAR, MPAR, MPAR, MPAR, etc.







10d 10h

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like KELI Kelakatan, RATI Rata, KEDI Kedondong, etc.

2005 APR

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like KHET Khetri, LZH Lanzhou, DDI Dehra Dun, etc.

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Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like WMQ Jabal Madar, SMDO Samed, BIDO Bidbid, etc.



Table with columns: Station, Name, Frequency, Mode, Power, SNR, etc. Includes stations like GNI, SVE, ZEI, ARU, YAK, etc.

Table with columns: Station, Name, Frequency, Mode, Power, SNR, etc. Includes stations like OBN, THZ, KDG, HIZ, PSN, etc.

Table with columns: Station, Name, Frequency, Mode, Power, SNR, etc. Includes stations like BRG, GECZ, GERES, NERCA, etc.

Table with columns: VIVF, comp, Station Name, Time, Res, ISC, h, m, s, ISC. Lists various stations like BAIF, SMF, SMF, etc. with their respective coordinates and times.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like KULM, CMAR, LSA, WRA, etc. with their respective coordinates and times.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like KULM, KSM, KKM, etc. with their respective coordinates and times.

Bottom section containing various codes and station names like BUI, IDC, MOS, etc. with associated coordinates and times.

Table with columns: UCH, Uchtor, 49.32 335 P, P, 11 03 53.3 -1.9, etc. Lists various stations and their frequencies.

Table with columns: MA2, Magadan, 72.81 24 i P, P, 11 06 35.2 +0.9, etc. Lists various stations and their frequencies.

Table with columns: GRF, Grafenberg Arr, 90.34 320 eP, P, 11 08 07.3 +0.9, etc. Lists various stations and their frequencies.

IDC 10 10:58:06.0.0.7, 1.64S:99.77E, h20km, 4km, mb4, 4/13, mb1 4.5/14, mb1mx4.3/22, mbtmp4.5/14, ML4.3/1, Error ellipse: s-maj=25.1km s-min=13.1km az=61.0

MOS 10 10:58:05.8.0.9, 1.57S:99.76E, h30km, mb4, 9/4, Error ellipse: s-maj=32.0km s-min=15.9km az=119.1

NEIC 10 10:58:07.0.4.1, 6.4S:99.78E, h30km, mb4, 7/4, Error ellipse: s-maj=17.9km s-min=8.1km az=56.0

ISC 10 10:58:05.1.0.6, 1.65S:0.1.99E, 0.1, h30km, n32, 089/26, mb4.6/16, Southern Surtsey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Lists station codes and their details.

10d 11h

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists various stations like STKA Stephens Creek, SONM Songoing Array, MKAR Makanchi Array, etc.

2005 APR

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists various stations like MKAR Makanchi Array, WRAP Warramunga Arr, WRA Tennant Creek, etc.

404

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists various stations like MIAR Mount Ida, CFAA Coronel Fontan, CPCT Cooper Cave, etc.

IDC 10 11:11:56.4±1.5, 1.66S-99.75E, mb3.8/5, mb1 4/1/5, mb1mx3.7/17, mbtmp3.9/5, Error ellipse: s-maj=67.3km s-min=25.6km az=65.0, Southern Sumatera

IDC 10 11:11:41.8±0.6, 1.64S-99.63E, mb4.4/13, mb1 4.5/14, mb1mx4.3/21, mbtmp4.3/14, M.L4.1/1, Error ellipse: s-maj=26.7km s-min=15.6km az=52.0

NEIC 10 11:01:46.3±0.3, 1.59S-99.70E, h30km, mb4.4/4, Error ellipse: s-maj=12.8km s-min=6.5km az=66.0

ISC 10 11:01:45.0±0.5, 1.53S-0.06E-99.75E, 0.1, h33km, n25, 08B1/23, mb4.3/17, Southern Sumatera

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists various stations like KULM Kulim, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

BUI 10 11:07:44.5, 4.12N-94.98E, h45km, mb4.7

NEIC 10 11:07:47.0±0.4, 4.36N-94.74E, h30km, mb4.5/1.1, Error ellipse: s-maj=12.2km s-min=7.1km az=52.0

IDC 10 11:07:50.9±0.9, 4.61N-95.02E, h54km, 7km, mb4.0/14, mb1 4.1/14, mb1mx3.9/24, mbtmp4.3/14, Error ellipse: s-maj=37.4km s-min=13.8km az=53.0

ISC 10 11:07:45.9±0.7, 4.39N-0.06E-94.92E, 0.07, h30km, (h48km, 2.7km; p-P), n44, 08A08/43, mb4.4/26, Off west coast of northern Sumatera

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists various stations like KULM Kulim, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

IDC 10 11:11:22.4±0.8, 1.38S-99.83E, mb4.2/8, mb1 4.3/9, mb1mx4.0/20, mbtmp4.1/9, M.L4.2/1, Error ellipse: s-maj=36.6km s-min=17.1km az=54.0

NEIC 10 11:12:26.9±0.5, 1.36S-99.87E, h30km, mb4.4/2, Error ellipse: s-maj=23.8km s-min=10.0km az=56.0

ISC 10 11:12:25.0±0.8, 1.25S-0.1, 100.0E-2.0, h33km, n16, 08A08/11, mb4.2/10, Southern Sumatera

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists various stations like CMAR Chiang Mai Arr, FITZ Fitzroy Cross, WRA Warramunga Arr, etc.

IDC 10 11:13:52.8±0.6, 1.58S-99.52E, mb4.1/14, mb1 4.2/15, mb1mx4.1/20, mbtmp4.1/15, M.L4.2/1, Error ellipse: s-maj=26.2km s-min=15.5km az=53.0

NEIC 10 11:13:57.1±0.4, 1.60S-99.57E, h30km, mb4.5/3, Error ellipse: s-maj=17.0km s-min=9.2km az=55.0

ISC 10 11:13:55.8±0.6, 1.55S-0.1, 99.6E-0.1, h33km, n28, 09B3/22, mb4.2/17, Southern Sumatera

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists various stations like CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, GOP Guinayangan, etc.

IDC 10 11:14:10.0±1.8, 2.55S-98.69E, h61km, 5km, mb5.9/3, Error ellipse: s-maj=71.6km s-min=7.7km az=59.0

IDC 10 11:14:15.0±1.3, 1.66S-99.75E, mb5.8/38, mb2.1 5/9/38, mb1mx5.9/38, mbtmp5.8/38, MS6.2/23, Ms1 6.1/23, ms1mx0.3/36, Error ellipse: s-maj=11.4km s-min=9.6km az=44.0

BUI 10 11:14:17.2, 2.16S-99.67E, h53km, mb6.8, mb5.7, Ms6.9, Msz6.7

CRAAG 10 11:14:18.4, 0.93S-99.74E, MB6.3

MOS 10 11:14:18.7±1.1, 1.61S-99.78E, h33km, mb6.4/68, MS6.3/29, Error ellipse: s-maj=7.9km s-min=3.9km az=12.3

HRVD 10 11:14:19.6±0.1, 1.77S-99.64E, h15km, MW6.5/77, Centroid moment tensor Solution. LP body waves: s74,c161,Mantle waves: s77,c333; Halp duration: 4s2 Moment tensor: Scale: 10^18Nm; Mw: 0.03±0.05; Mw-0.87±0.04; Mw0.83±0.05; Mw-0.36±0.16; Mw0.16±0.04; Mw0.12±1.7; Best double couple: Mw.746±0.18 NP1: 0.90°, 644°, 173°. NP2: 0.293°, 849°, 105°. Principal axes: T 6.261, P1g78, Azm269°; N 9.67, P1g11°, Azm102°; P-7.23, P1g3°, Azm12°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=125s.

NEIC 10 11:14:19.6±0.1, 1.71S-99.78E, h30km, mb6.2/122, MS6.3/11 Error ellipse: s-maj=4.5km s-min=2.6km az=22.0

NEIC Felt [I] at Padang, Sumatra and in Singapore. Felt [I] at Kuala Lumpur, Malaysia.

BGS 10 11:14:20.0, 1.71S-99.78E, h30km, mb6.3

ISC 10 11:14:18.5±0.1, 1.69S-0.02E-99.72E, 0.02, h33km, h33km±7km; p-P, n1021, 01904/811, mb6.1/194, MS6.6/67, 121C-31.02, Southern Sumatera

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists various stations like KSI Kapahiang, PSI Prapat, KGM Kluang, etc.







Table with columns for station name, frequency, power, and signal quality. Includes stations like MOS, ARG, ULDT, THZ, OBN, etc.

Table with columns for station name, frequency, power, and signal quality. Includes stations like RLS, JOF, TSUM, IGIN, LGVN, etc.

Table with columns for station name, frequency, power, and signal quality. Includes stations like CSSN, KSP, KSP, KSP, ARSA, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ASCO Idaho Springs, WUAZ Wupatki, WVL Waterville, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CCIG Comitan, NNS Nana, JNTA JuntasAbangare, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TXAR Lajitas Array, IDC 10 11:29:55.8, etc.



Table with columns: ZAL, Zalesovo, 56.74 349 P, P, 11 49 45.5 +0.2, etc.

Table with columns: FITZ, Fitzroy Crossi, 30.33 124 P, P, 11 51 11.6 -1.0, etc.

Table with columns: GTA, SS, SS, 12 01 47.4 -1.5, etc.

IDC 10 11:41:42.3, 1.4, 0.41S:99.74E, mb4.2/6, mb1 4.3/7, mb1mx3.9/17, mb1mp4.1/7, ML4.0/1, Error ellipse: s-maj=62.6km s-min=19.0km az=62.0

NEIC 10 11:41:46.5, 0.6, 0.45S:99.66E, h30km, mb4.5/1, Error ellipse: s-maj=38.2km s-min=11.1km az=61.0

ISC 10 11:41:43.3, 1.7, 0.65S:93.99E, 0.4, h30km, n14, c070/11, mb4.2/7, Southern Sumatra

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

comp=Z,95nm,1.1s, 31.88 337 eP, P, 11 51 25.6 -0.5

comp=Z,127nm,0.9s,mb5.7, 32.21 346 P, P, 11 51 22.7 +0.3

comp=Z,46nm,1.3s, 31.88 337 eP, P, 11 51 25.6 -0.5

comp=Z,58nm,1.3s,mb5.2, 32.21 346 P, P, 11 51 30.3 +1.3

comp=Z,60nm,1.3s,mb5.3, 32.22 341 P, P, 11 51 29.6 +0.6

comp=Z,130nm,1.1s,mb5.7, 32.23 337 eP, P, 11 51 28.1 -1.0

comp=Z,180nm,0.8s,mb5.0, 32.27 335 eP, P, 11 51 29.3 -0.2

comp=Z,103nm,1.0s,mb5.6, 32.32 310 eP, P, 11 51 29.7 -0.3

comp=Z,70nm,1.5s, 32.36 336 eP, P, 11 51 29.9 -0.4

comp=Z,189nm,1.0s,mb5.9, 32.36 336 eP, P, 11 51 29.9 -0.4

comp=Z,94nm,1.0s,mb5.6, 32.63 7 P, P, 11 51 30.2 -2.4

comp=Z,30nm,1.0s,mb5.2, 32.81 335 eP, P, 11 51 34.2 -0.1

comp=Z,286nm,1.3s,mb6.1, 32.85 320 eP, P, 11 51 36.2 +1.6

comp=Z,40nm,1.2s, 33.06 333 eP, P, 11 51 36.5 +0.1

comp=Z,266nm,1.3s,mb6.0, 33.12 16 eP, P, 11 51 34.7 -2.2

comp=Z,76nm,1.1s,mb5.5, 33.98 154 eP, P, 11 51 45.8 +1.4

comp=Z,225nm,0.8s,mb2.2, 33.98 154 eP, P, 11 51 45.8 +1.4

comp=Z,255nm,0.8s,mb2.2, 34.35 152 P, P, 11 51 48.0 +0.4

comp=Z,1um,1.1s, 34.97 23 P, P, 11 51 52.4 -0.5

comp=Z,210nm,1.8s,mb5.8, 35.24 154 eP, P, 11 51 55.6 +0.5

comp=Z,163nm,1.4s, 35.24 154 P, P, 11 51 55.8 +0.7

comp=Z,47nm,0.7s,mb5.5,baz=325,slow=9.3,SNR=43, 35.24 154 eP, P, 11 51 55.6 +0.5

comp=Z,163nm,1.4s,mb5.8, 36.05 331 eP, P, 11 52 02.0 -0.1

comp=Z,1um,1.1s, 36.57 13 eP, P, 11 52 04.1 -2.3

comp=Z,60nm,1.2s,mb5.3, 37.06 6 eP, P, 11 52 11.0 +0.7

comp=Z,228nm,1.6s,mb5.7, 37.76 6 eP, P, 11 52 18.0 +1.7

comp=Z,5um,16.5s,MS5.4, 37.76 6 eP, P, 11 52 18.0 +1.7

comp=Z,228nm,1.6s,mb5.7, 37.76 6 eP, P, 11 52 18.0 +1.7

comp=Z,5um,16.5s,MS5.4, 37.76 6 eP, P, 11 52 18.0 +1.7

comp=Z,228nm,1.6s,mb5.7, 37.76 6 eP, P, 11 52 18.0 +1.7

comp=Z,5um,16.5s,MS5.4, 37.76 6 eP, P, 11 52 18.0 +1.7

comp=Z,228nm,1.6s,mb5.7, 37.76 6 eP, P, 11 52 18.0 +1.7

comp=Z,5um,16.5s,MS5.4, 37.76 6 eP, P, 11 52 18.0 +1.7

comp=Z,228nm,1.6s,mb5.7, 37.76 6 eP, P, 11 52 18.0 +1.7

comp=Z,5um,16.5s,MS5.4, 37.76 6 eP, P, 11 52 18.0 +1.7

comp=Z,228nm,1.6s,mb5.7, 37.76 6 eP, P, 11 52 18.0 +1.7

comp=Z,5um,16.5s,MS5.4, 37.76 6 eP, P, 11 52 18.0 +1.7

comp=Z,228nm,1.6s,mb5.7, 37.76 6 eP, P, 11 52 18.0 +1.7

comp=Z,5um,16.5s,MS5.4, 37.76 6 eP, P, 11 52 18.0 +1.7

comp=Z,228nm,1.6s,mb5.7, 37.76 6 eP, P, 11 52 18.0 +1.7

comp=Z,5um,16.5s,MS5.4, 37.76 6 eP, P, 11 52 18.0 +1.7

comp=Z,228nm,1.6s,mb5.7, 37.76 6 eP, P, 11 52 18.0 +1.7

comp=Z,5um,16.5s,MS5.4, 37.76 6 eP, P, 11 52 18.0 +1.7

comp=Z,228nm,1.6s,mb5.7, 37.76 6 eP, P, 11 52 18.0 +1.7

comp=Z,32nm,1.2s,mb4.8, 41.06 22 eP, P, 11 52 42.9 -0.8

comp=Z,10um,4.8s, 43.69 13 eP, P, 11 52 42.9 -0.8

comp=N,4um,14.8s,MS5.6, 43.69 13 eP, P, 11 52 42.9 -0.8

comp=E,5um,14.1s,MS5.6, 43.69 13 eP, P, 11 52 42.9 -0.8

comp=Z,6um,14.1s,MS5.6, 43.69 13 eP, P, 11 52 42.9 -0.8

comp=Z,61nm,1.3s,mb5.2, 44.18 18 eP, P, 11 53 09.0 -0.2

comp=Z,61nm,1.3s,mb5.2, 45.17 24 P, P, 11 53 18.3 +1.1

comp=Z,30nm,1.3s,mb5.0, 45.17 24 P, P, 11 53 18.3 +1.1

comp=N,1um,12.7s,MS5.4, 45.17 24 P, P, 11 53 18.3 +1.1

comp=E,3um,12.6s,MS5.4, 45.17 24 P, P, 11 53 18.3 +1.1

comp=Z,4um,14.3s,MS5.5, 46.36 335 P, P, 11 53 28.0 +1.4

comp=Z,1um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=E,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,10.4s, 46.36 304 P, P, 11 53 27.0 +0.1

comp=N,8um,11.5s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

comp=Z,10um,11.2s,MS6.1, 46.36 304 P, P, 11 53 27.0 +0.1

















10d 12h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like MLR Muntele Rosu, VWA Vanda, FINES FINESSE Array B, etc.

IDC 10 12:25:58.6.2.1, 1.73S-99.81E, mb3.8/5, mb1 4.0/5, mb1mx3.7/17, mbtmp3.8/5, Error ellipse: s-maj=86.4km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like CMAR Chiang Mai Arr, WRA Warramunga Arr, etc.

IDC 10 12:29:33.5.0.5, 1.63S-99.54E, mb4.6/22, mb1 4.7/22, mb1mx4.6/24, mbtmp4.6/22, Error ellipse: s-maj=16.1km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like KGM Kluang, IPM Iphoh, KULM Kulim, etc.

IDC 10 12:29:38.9.1.4, 1.75S-105.99.61E, h52km, 11km, n103, e097/98, mb4.7/54, MSS.3/3, 5C-4D, Southern Sumatara

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like CMAR Chiang Mai Arr, KMI Kunming, MBWA Marble Bar, etc.

2005 APR

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

IDC 10 12:33:17.9.2.3, 1.64S-99.67E, mb3.8/6, mb1 3.9/6, mb1mx3.7/16, mbtmp3.8/6, Error ellipse: s-maj=107.1km

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

418

TXAR Lajitas Array 144.36 37 PKP PKPdf 12 52 56.3 +1.0

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

IDC 10 12:37:31.0.4.1, 1.66S-99.78E, mb4.6/26, mb1 4.7/26, mb1mx4.7/26, mbtmp4.6/26, Error ellipse: s-maj=15.2km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like KGM Kluang, IPM Iphoh, KULM Kulim, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like PKI Pulchoki, LSA Lhasa, LSA Lhasa, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like GKN Gorkha, ENH Enshi, KOLN Koldara, etc.

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

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

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

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

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

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

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



Table with columns for station name, time, and other parameters. Includes stations like WMQ, STKA, SONM, ULN, etc.

Table with columns for station name, time, and other parameters. Includes stations like SUW, FINES, KAF, KASPER, etc.

Table with columns for station name, time, and other parameters. Includes stations like KLR, BVAR, CHKZ, YSS, etc.



EMOS	13nm,0.3s,SNR=4.0	Sn	Sn	13 07 33.7	+0.4
EMOS	23nm,0.3s,SNR=7.9	Lg		13 07 40.4	
EMOS	Mosqueruela 0.7nm,0.1s,SNR=1.4	Pn	Pn	13 07 03.1	0.0
EMOS	Mosqueruela	Pg	Pg	13 07 07.6	-3.8
EMOS	13nm,0.3s,SNR=4.0	Sn	Sn	13 07 32.0	-1.3
MTFL	Montoliou	ePn	Pn	13 07 06.6	+1.0
MTFL		ePg	Pg	13 07 11.1	-3.9
MTFL		eSg	Sg	13 07 34.8	-2.9
MTFL	Montoliou	ePg	Pg	13 07 11.1	-3.9
MTFL		eSg	Sg	13 07 34.8	-2.9
MTFL	La Frestale	ePn	Pn	13 07 04.8	-1.0
MTFL		eSg	Sg	13 07 35.7	-2.4
EARI	Arriondas	Pn	Pn	13 07 10.0	-0.4
EARI	3.0nm,0.2s,SNR=28	Pg	Pg	13 07 16.6	-4.9
EARI	4.9nm,0.2s,SNR=4.0	Sn	Sn	13 07 45.6	-0.5
EARI	2.3nm,0.2s,SNR=5.0	Lg		13 07 57.0	
EARI	25nm,1.2s,SNR=7.9	Pn	Pn	13 07 10.0	-0.3
EARI	Arriondas	Pg	Pg	13 07 16.6	-4.9
EARI	Arriondas	Pg	Pg	13 07 16.6	-4.9
EARI	4.9nm,0.2s,SNR=4.0	Sn	Sn	13 07 45.6	-0.5
EARI	2.3nm,0.2s,SNR=5.0	Sn	Sn	13 07 10.9	-0.3
GUD	Guadarrama	Pg	Pg	13 07 19.1	-3.7
GUD		Pg	Pg	13 07 46.7	-1.0
GUD		Lg		13 07 58.0	
GUD	Guadarrama	Pg	Pg	13 07 10.9	-0.3
GUD	4.1nm,0.2s,SNR=18	Pg	Pg	13 07 18.0	-4.7
GUD	11nm,0.3s,SNR=4.0	Sn	Sn	13 07 46.7	-1.0
GUD	7.8nm,0.2s,SNR=5.5	Lg		13 07 58.0	
GUD	18nm,0.3s,SNR=6.4	Pg	Pg	13 07 19.1	-3.6
GUD	Guadarrama	Sn	Sn	13 07 46.7	-0.9
GUD	11nm,0.3s,SNR=4.0	Sn	Sn	13 07 46.7	-0.9
EJON	7.8nm,0.2s,SNR=5.5	Pn	Pn	13 07 12.6	+0.4
EJON	La Jonquera	Pg	Pg	13 07 20.5	-3.6
EJON		Lg		13 07 59.9	
EJON	La Jonquera	Pn	Pn	13 07 12.0	-0.1
EJON	1.6nm,0.1s,SNR=6.5	Pg	Pg	13 07 19.1	-5.0
EJON	5.2nm,0.2s,SNR=7.2	Sn	Sn	13 07 49.4	+0.1
EJON	8.4nm,1.7s,SNR=7.9	Lg		13 07 59.9	
EJON	26nm,0.4s,SNR=5.0	Pn	Pn	13 07 12.6	+0.5
EJON	La Jonquera	Pg	Pg	13 07 20.5	-3.6
EJON	La Jonquera	Pg	Pg	13 07 20.5	-3.6
ECHE	Chera	Pg	Pg	13 07 20.2	-5.4
ECHE		Lg		13 08 00.5	
ECHE	Chera	Pg	Pg	13 07 20.2	-5.4
ECHE	8.0nm,0.4s,SNR=4.0	Lg		13 08 02.8	
CAF	Calviac	ePn	Pn	13 07 14.0	-0.6
CAF		eSg	Sg	13 07 49.8	-3.9
RJF	26nm,0.3s	Pn	Pn	13 07 14.4	-0.3
RJF	Les Rejaudoux	ePn	Pn	13 07 50.4	-3.4
RJF		eSg	Sg	13 07 50.4	-3.4
ESDC	54nm,0.5s	Pn	Pn	13 07 18.9	-1.8
ESDC	Sonsecsa Array	Pg	Pg	13 07 31.4	-4.6
ESDC		Pg	Pg	13 08 00.5	-3.9
ESDC		Lg		13 08 19.9	
ESDC	Sonsecsa Array	Pn	Pn	13 07 18.9	-1.8
ESDC	4.3nm,0.1s,baz=38,slow=14,SNR=36	Pg	Pg	13 07 29.3	-6.7
ESDC	13nm,0.2s,baz=36,slow=17,SNR=17	Sn	Sn	13 08 03.1	-1.4
ESDC	3.5nm,0.2s,baz=36,slow=24,SNR=7.8	Lg		13 08 19.2	
ESDC	14nm,0.4s,baz=38,slow=30,SNR=8.5	Pn	Pn	13 07 18.9	-1.7
ESDC	Sonsecsa Array 3.68 215	Pn	Pn	13 07 31.4	-4.6
ESDC	4.3nm,0.1s,slow=14,SNR=36	Pg	Pg	13 07 29.3	-6.7
ESDC	Sonsecsa Array 3.68 215	Pg	Pg	13 07 31.4	-4.6
ESDC	13nm,0.2s,slow=17,SNR=17	Sn	Sn	13 08 00.5	-4.0
ESDC	3.5nm,0.2s,slow=24,SNR=7.8	Lg		13 07 22.9	-1.6
MFF	Saint Martin d	ePn	Pn	13 07 36.7	-4.7
MFF		ePg	Pg	13 08 06.6	-4.7
MFF		eSg	Sg	13 08 06.6	-4.7
LASF	18nm,0.4s	Pn	Pn	13 07 24.8	+0.1
LASF	Ste Croix	ePn	Pn	13 08 07.2	-4.5
LASF		eSg	Sg	13 08 07.2	-4.5
ETOB	12nm,0.3s	Pn	Pn	13 07 26.3	-0.3
ETOB	Tobarra	Pg	Pg	13 07 35.9	-5.5
ETOB		Pg	Pg	13 08 12.4	-3.7
ETOB	Tobarra	Pn	Pn	13 07 25.7	-0.9
ETOB	1.0nm,0.1s,SNR=7.9	Pg	Pg	13 07 37.4	-7.0
ETOB	3.4nm,0.3s,SNR=8.3	Sn	Sn	13 08 14.4	-0.6
ETOB	9.4nm,0.8s,SNR=7.9	Lg		13 08 32.6	
ETOB	4.0nm,0.4s,SNR=5.0	Pn	Pn	13 07 26.3	-0.3
ETOB	Tobarra	Pg	Pg	13 07 38.9	-5.4
ETOB	1.0nm,0.1s,SNR=7.9	Pn	Pn	13 07 26.4	-0.3
ETOB	Tobarra	Pg	Pg	13 07 38.9	-5.4
ELEN	Beniarida	Pn	Pn	13 07 26.4	-0.4
ELEN		Pg	Pg	13 07 38.6	-6.0
ELEN		Sn	Sn	13 08 12.0	-3.3
ELEN	Beniarida	Pn	Pn	13 07 26.4	-0.4
ELEN		Pg	Pg	13 07 38.6	-6.0
ELEN		Pn	Pn	13 07 26.0	-0.7
ELEN	Beniarida	Pg	Pg	13 07 37.8	-6.8
ELEN	2.9nm,0.3s,SNR=4.0	Sn	Sn	13 08 14.9	-1.2
ELEN	7.0nm,0.6s,SNR=5.0	Sn	Sn	13 08 12.0	-3.3
ELEN	SNR=7.9	Pn	Pn	13 07 25.8	-1.4
ELEN	Calabor	Pn	Pn	13 08 12.4	-3.7
ELEN		Pg	Pg	13 08 30.3	
ELEN	Calabor	Pn	Pn	13 07 25.8	-1.4
ECAL	6.5nm,0.1s,SNR=18	Sn	Sn	13 08 14.9	-1.2
ECAL	10.0nm,0.3s,SNR=5.0	Lg		13 08 34.0	
ECAL	24nm,0.3s,SNR=6.8	Pn	Pn	13 07 25.8	-1.4
ECAL	Calabor	Sn	Sn	13 07 25.8	-1.4
ECAL	6.5nm,0.1s,SNR=18	Pn	Pn	13 08 12.4	-3.7
PBRG	10.0nm,0.3s,SNR=5.0	Pn	Pn	13 07 26.1	-1.6
PBRG	Braganca	ePn	Pn	13 08 13.3	-3.7
PBRG		eSg	Sg	13 08 13.3	-3.7
PBRG	10nm,0.5s	Pn	Pn	13 07 26.1	-1.6
PBRG	Braganca	ePn	Pn	13 08 13.3	-3.7
PBRG		eSg	Sg	13 08 13.3	-3.7
EVIA	Vianos	Pn	Pn	13 07 27.6	-0.5
EVIA		Pg	Pg	13 07 40.8	-5.7
EVIA		Lg		13 08 14.8	-3.0
EVIA	Vianos	Pn	Pn	13 07 26.4	-1.7
EVIA	2.0nm,0.2s,SNR=7.9	Pg	Pg	13 07 39.6	-6.9
EVIA	8.0nm,0.4s,SNR=7.9	Sn	Sn	13 08 17.6	-0.1
EVIA	10nm,0.5s,SNR=7.9	Lg		13 08 36.7	
EVIA	18nm,0.4s,SNR=7.9	Pn	Pn	13 07 27.6	-0.5
EVIA	Vianos	Pn	Pn	13 07 27.6	-0.5
EVIA	2.0nm,0.2s,SNR=7.9	Pg	Pg	13 07 39.6	-6.9
EVIA	8.0nm,0.4s,SNR=7.9	Sn	Sn	13 08 17.6	-0.1
EVIA	10nm,0.5s,SNR=7.9	Lg		13 08 36.7	
EVIA	Vianos	Pg	Pg	13 07 40.8	-5.7
EVIA	2.0nm,0.2s,SNR=7.9	Pg	Pg	13 07 39.6	-6.9
EVIA	8.0nm,0.4s,SNR=7.9	Sn	Sn	13 08 17.6	-0.1
EVIA	10nm,0.5s,SNR=7.9	Lg		13 08 36.7	
EVIA	Vianos	Pg	Pg	13 07 40.8	-5.7

EVIA	13nm,0.5s,SNR=7.9	Sn	Sn	13 08 14.8	-3.0
TCF	Toux Ste Croi	ePn	Pn	13 07 27.9	-2.1
TCF		eSg	Sg	13 08 16.2	-4.9
EPON	11nm,0.3s	Pn	Pn	13 07 29.5	-0.8
EPON	Pontenoa	Pn	Pn	13 08 17.5	-4.2
EPON		Sn	Sn	13 07 28.8	-1.5
EPON	Pontenoa	Pn	Pn	13 08 19.5	-2.2
EPON	5.2nm,0.3s,SNR=12	Sn	Sn	13 08 19.5	-2.2
EPON	4.9nm,0.3s,SNR=5.0	Lg		13 08 41.3	
EPON	2.0nm,1.4s,SNR=7.9	Pn	Pn	13 07 29.5	-0.8
EPON	Pontenoa	Pn	Pn	13 08 17.5	-4.2
EPON	5.2nm,0.3s,SNR=12	Sn	Sn	13 08 17.5	-4.2
EPON	4.9nm,0.3s,SNR=5.0	Lg		13 08 41.3	
ERUA	La Rua	Pn	Pn	13 07 29.0	-1.3
ERUA		Pn	Pn	13 08 18.3	-3.4
ERUA		Pn	Pn	13 08 40.9	
ERUA	La Rua	Pn	Pn	13 07 29.0	-1.3
ERUA	3.4nm,0.2s,SNR=18	Sn	Sn	13 08 20.5	-1.3
ERUA	3.6nm,0.3s,SNR=7.9	Lg		13 08 40.9	
ERUA	8.3nm,0.5s,SNR=5.0	Lg		13 08 40.9	
ERUA	La Rua	Pn	Pn	13 07 29.0	-1.3
ERUA	3.4nm,0.2s,SNR=18	Sn	Sn	13 08 20.5	-1.3
ERUA	3.6nm,0.3s,SNR=7.9	Lg		13 08 40.9	
ERUA	8.3nm,0.5s,SNR=5.0	Lg		13 08 40.9	
EINC	6.3nm,0.3s,SNR=7.9	Pn	Pn	13 07 31.2	-1.0
EINC		Pn	Pn	13 08 20.6	-4.4
EINC		Lg		13 08 44.8	
EINC	Incio	Pn	Pn	13 07 31.2	-1.0
EINC	4.5nm,0.2s,SNR=20	Sn	Sn	13 08 22.9	-2.1
EINC	3.2nm,0.2s,SNR=7.9	Lg		13 08 44.8	
EINC	7.9nm,0.4s,SNR=5.0	Lg		13 07 31.2	-1.0
EINC	4.5nm,0.2s,SNR=20	Pn	Pn	13 07 31.2	-1.0
EINC	3.2nm,0.2s,SNR=7.9	Sn	Sn	13 08 20.6	-4.4
VIVF	Saint-Julien-I	ePn	Pn	13 07 35.1	-1.4
VIVF		eSg	Sg	13 08 27.1	-5.5
VIVF		eSg	Sg	13 08 27.1	-5.5
BGF	Bois d'Agland	ePn	Pn	13 07 34.0	-2.8
BGF		eSg	Sg	13 08 27.7	-5.6
BGF		eSg	Sg	13 08 27.7	-5.6
EMUR	La Murta	Pn	Pn	13 07 36.8	-1.1
EMUR		Pg	Pg	13 07 53.7	-6.5
EMUR		Lg		13 08 58.5	
EMUR	La Murta	Pn	Pn	13 07 36.8	-1.1
EMUR	1.2nm,0.3s,SNR=4.0	Pg	Pg	13 07 51.7	-8.6
EMUR	1.2nm,0.3s,SNR=7.9	Lg		13 08 58.5	
EMUR	5.0nm,0.4s,SNR=7.9	Lg		13 08 58.5	
EMUR	La Murta	Pn	Pn	13 07 36.8	-1.1
EMUR	SNR=4.0	Pg	Pg	13 07 53.7	-6.5
EMUR	La Murta	Pg	Pg	13 07 53.7	-6.5
EMUR	1.2nm,0.3s,SNR=4.0	Pg	Pg	13 07 51.7	-8.6
EMUR	1.2nm,0.3s,SNR=7.9	Lg		13 08 58.5	
EMUR	5.0nm,0.4s,SNR=7.9	Lg		13 08 58.5	
EMUR	La Murta	Pn	Pn	13 07 36.8	-1.1
EMUR	SNR=4.0	Pg	Pg	13 07 53.7	-6.5
EMUR	La Murta	Pg	Pg	13 07 53.7	-6.5
EMUR	1.2nm,0.3s,SNR=4.0	Pg	Pg	13 07 51.7	-8.6
EMUR	1.2nm,0.3s,SNR=7.9	Lg		13 08 58.5	
EMUR	5.0nm,0.4s,SNR=7.9	Lg		13 08 58.5	
EMUR	La Murta	Pn	Pn	13 07 36.8	-1.1
EMUR	SNR=4.0	Pg	Pg	13 07 53.7	-6.5
EMUR	La Murta	Pg	Pg	13 07 53.7	-6.5
EMUR	1.2nm,0.3s,SNR=4.0	Pg	Pg	13 07 51.7	-8.6
EMUR	1.2nm,0.3s,SNR=7.9	Lg		13 08 58.5	
EMUR	5.0nm,0.4s,SNR=7.9	Lg		13 08 58.5	
EMUR	La Murta	Pn	Pn	13 07 36.8	-1.1
EMUR	SNR=4.0	Pg	Pg	13 07 53.7	-6.5
EMUR	La Murta	Pg	Pg	13 07 53.7	-6.5
EMUR	1.2nm,0.3s,SNR=4.0	Pg	Pg	13 07 51.7	-8.6
EMUR	1.2nm,0.3s,SNR=7.9	Lg		13 08 58.5	
EMUR	5.0nm,0.4s,SNR=7.9	Lg		13 08 58.5	
EMUR	La Murta	Pn	Pn	13 07 36.8	-1.1
EMUR	SNR=4.0	Pg	Pg	13 07 53.7	-6.5
EMUR	La Murta	Pg	Pg	13 07 53.7	-6.5
EMUR	1.2nm,0.3s,SNR=4.0	Pg	Pg	13 07 51.7	-8.6
EMUR	1.2nm,0.3s,SNR=7.9	Lg		13 08 58.5	
EMUR	5.0nm,0.4s,SNR=7.9	Lg		13 08 58.5	
EMUR	La Murta	Pn	Pn	13 07 36.8	-1.1
EMUR	SNR=4.0	Pg	Pg	13 07 53.7	-6.5
EMUR	La Murta	Pg	Pg	13 07 53.7	-6.5
EMUR	1.2nm,0.3s,SNR=4.0	Pg	Pg	13 07 51.7	-8.6
EMUR	1.2nm,0.3s,SNR=7.9	Lg		13 08 58.5	
EMUR	5.0nm,0.4s,SNR=7.9	Lg		13 08 58.5	
EMUR	La Murta	Pn	Pn	13 07 36.8	-1.1
EMUR	SNR=4.0	Pg	Pg	13 07 53.7	-6.5
EMUR	La Murta	Pg	Pg		

10d 13h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like SONM Songoing Array, MKAR Makanchi Array, KURK Kurchatov, etc.

NEIC 10 13:16:55.9.0.7, 1.88S-99.66E, mb4.3/2, Error ellipse: s-maj=36.4km s-min=7.7km az=55.0

Main table for 10d 13h section, listing various seismic stations and their parameters.

BUI 10 13:18:39.1, 6.82Sx102.43E, h40km, mb4.9
IDC 10 13:18:40.5, 1.6, 6.44S, 102.54E, h18km, mb4.1/10, mb1.4/3/10, mb1mx4.0/19, mbmtmp4.2/10, Error ellipse: s-maj=60.9km s-min=13.0km az=54.0

Table for Southwest of Sumatara section, listing stations like KULM Kulim, NIST Nakhon Sawan, CM31 Chiang Mai Arr, etc.

2005 APR

Table for 2005 APR section, listing stations like LZH Lanzhou, LZH Lanzhou, LZH LZH, STKA Stephens Creek, etc.

IDC 10 13:20:01.1, 5.7, 2.18S-100.79E, mb4.0/3, mb1.4/2/3, mb1mx3.7/16, mbmtmp4.0/3, Error ellipse: s-maj=218.4km s-min=94.6km az=50.0, Southern Sumatara

Main table for 2005 APR section, listing various seismic stations and their parameters.

2005 APR 422

Table for 2005 APR 422 section, listing stations like CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, FITZ Fitzroy Crossi, etc.

BUI 10 13:27:38.0, 1.99S-99.28E, h28km
IDC 10 13:27:40.8, 0.9, 1.72S-99.56E, h22km, mb4.1/13, mb1.4/3/13, mb1mx4.1/20, mbmtmp4.3/13, Error ellipse: s-maj=31.2km s-min=13.6km az=54.0

Main table for 2005 APR 422 section, listing various seismic stations and their parameters.













Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KURK Kurchatov, ZAL Zalesovo, CHKZ Chkalovo, etc.

ORF 10 13:50:01.1, 9.55x175.45E, h30km, mb5.9
MOS 10 13:50:06.7, 1.2, 15.11x174.92W, h220km, mb4.9/17,
Error ellipse: s-maj=13.2km s-min=12.1km az=60.7

Main table of station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AFI Afiamalu, AFJ Afiamalu, AFJ Afiamalu, etc.

Main table of station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MA2 comp=Z,10.0m,1.0s,mb4.4, CN2 Changchun, etc.

Main table of station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KOLS Kolonice sedl, KOLS Kolonice sedl, BURAR Bucovina Arr, etc.

10d 13h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like LPGA, LRD, LRF, etc.

10d 13h:50:46.6, 0.8, 1.845:99.62E, mb4.4/16, mb1 4.5/16, mb1mx4.4/22, mbtmp4.4/16, Error ellipse: s-maj=42.9km s-min=14.0km az=51.0

MOS 10 13:50:50.2, 1.1, 1.61S:99.83E, h33km, mb5.0/6, Error ellipse: s-maj=27.8km s-min=11.5km az=114.4

NEIC 10 13:50:30.0, 3.1, 1.81S:99.88E, mb4.8/8, h1km, Error ellipse: s-maj=12.3km s-min=4.6km az=56.0

ISC 10 13:50:49.1, 7.2, 1.75S:02.998E, h26km, mb4.8km, n46, o#77/40, mb4.6/26, 14, Southern Sumatera

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like KULM, CM31, CM06, etc.

2005 APR

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like HFS, DAVOX, TXAR, etc.

IDC 10 13:53:18.8, 1.5, 1.66S:99.84E, mb4.3/6, mb1 4.5/6, mb1mx4.0/18, mbtmp4.3/6, Error ellipse: s-maj=63.8km

NEIC 10 13:53:23.4, 0.7, 1.65S:99.81E, h30km, mb4.3/3, Error ellipse: s-maj=33.1km s-min=12.0km az=64.0

ISC 10 13:53:22.7, 2.3, 1.55S:03.100E, 0.5, h33km, n15, o#105/9, mb4.4/8, Southern Sumatera

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like CMAR, FITZ, WRA, etc.

DJA 10 13:53:33.3, 2.8, 2.52S:96.41E, h2km, ML6.2/1, Error ellipse: s-maj=354.9km s-min=51.2km az=29.0

BUI 10 13:54:14.0, 2.1, 1.15S:100.04E, h48km, mb5.7, mb5.0, Ms5.5, Ms25.3

MOS 10 13:54:14.7, 1.0, 1.75S:99.95E, h33km, mb5.5/40, MS4.9/5, Error ellipse: s-maj=11.1km s-min=5.3km

IDC 10 13:54:16.5, 0.3, 1.75S:99.94E, h31km, mb4.8/37, mb1 4.9/37, mb1mx4.9/37, mbtmp5.0/37, MS4.8/3, MS1 4.9/3, ms1mx4.2/35, Error ellipse: s-maj=11.7km s-min=7.7km az=47.0

NEIC 10 13:54:16.3, 0.1, 1.78S:99.93E, mb5.4/51, MS5.0/1, Error ellipse: s-maj=4.9km s-min=3.5km az=47.0

HRVD 10 13:54:16.3, 0.9, 1.65S:100.09E, h29km, 1km, MW5.5/47, Centroid moment Tensor Solution. LP body waves: s15,c15; Mantle waves: s47,c67; Halil duration: 1s4

ORF 10 13:54:17.9, 1.06S:100.31E, h30km, mb5.5, ISC 10 13:54:14.3, 0.2, 1.83S:0.03-99.91E, 0.03, h32km, h32km, 4km; p-P, n338, o1508/287, mb5.2/106, MS5.1/14, 31C-9D, Southern Sumatera

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like KGM, PENI, IPM, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like FITZ, JIRI, PJK, etc.

comp=Z,270nm,0.7s,mb5.5, FITZ Fitzroy Crossi 29.98 124 P 14 00 21.6 -0.9

comp=Z,110nm,0.8s,mb5.6,baz=294,slow=5.1,SNR=32, JIRI Jiri 32.16 337 eP P 14 00 42.0 +0.5

comp=Z,148nm,0.7s,mb5.9, PJK Pulchoki 32.39 335 eP P 14 00 43.2 -0.3

comp=Z,158nm,1.4s,mb5.7, PKI Pulchoki 32.39 335 eP P 14 00 43.2 -0.4

comp=Z,279nm,1.4s,mb5.3, LSA Lhasa 32.45 346 P A 14 00 45.3 +1.2

comp=Z,40nm,0.9s,mb5.2, LSA Lhasa 32.45 346 eP P 14 00 44.9 +0.8

comp=Z,52nm,0.6s,mb5.5, LSA Lhasa 32.45 346 eP P 14 00 44.9 +0.8

comp=Z,52nm,0.6s,mb5.5, GUN Gumba 32.50 336 eP P 14 00 45.1 +0.6

comp=Z,185nm,0.5s,mb6.3, DMN Daman 32.55 335 eP P 14 00 44.9 +0.9

comp=Z,112nm,1.1s,mb5.7, KKN Kakani 32.64 335 eP P 14 00 45.6 -0.1

comp=Z,299nm,0.7s,mb5.8, KKN Kakani 32.64 335 eP P 14 00 45.6 -0.1

comp=Z,45nm,0.7s,mb5.5, PPO Poo 32.66 309 eP P 14 00 45.0 -0.9

CD2 Chengdu 32.77 6 P P 14 00 48.0 +1.2

GKN Gorkha 33.03 335 eP P 14 00 49.6 -0.1

comp=Z,259nm,1.2s,mb6.0, ENH Enshi 33.21 15 eP P 14 00 48.3 -2.3

comp=Z,42nm,0.6s,mb5.5, KOLN Koldanda 33.35 333 eP P 14 00 52.0 +0.1

comp=Z,70nm,0.7s,mb5.7, NACB Ninganchiao 33.35 38 P P 14 00 50.7 -1.2

comp=Z,270nm,0.7s,mb5.5, NWAO Narrogin (SRO) 34.95 154 eP P 14 01 07.3 +1.7

comp=Z,59nm,1.1s, NWAO Narrogin (SRO) 34.95 154 P P 14 01 06.9 +1.3

comp=Z,139m,1.0s,mb4.8,baz=332,slow=10,SNR=3.7, NWAO Narrogin (SRO) 34.95 154 eP P 14 01 16.1 +0.9

comp=Z,42nm,0.9s,baz=328,slow=9.3,SNR=11.2, NWAO Narrogin (SRO) 34.95 154 eP P 14 01 33.1

comp=Z,22m,20.8s,Ms4.8,baz=289,slow=33, NWAO Narrogin (SRO) 34.95 154 eP P 14 01 07.3 +1.7

comp=Z,59nm,1.1s,mb5.4, WHN Wuhan 35.02 22 eP P 14 01 05.5 -0.7

LGT Lohaghat 36.25 330 eP P 14 01 17.7 +0.2

comp=Z,65nm,1.0s,mb5.4, XAN Xi'an 36.68 13 P A 14 01 18.6 -1.6

NDI New Delhi 37.34 326 eP P 14 01 24.0 -1.8

NDI Lanzhou 37.90 5 eP P 14 01 30.4 -0.1

LZH Lanzhou 37.90 5 eP P 14 01 40.0 -0.0

LZH Lanzhou 37.90 5 eP P 14 01 43.2 -0.8

LZH Lanzhou 37.90 5 eP P 14 07 20.2 +0.7

LZH Lanzhou 37.90 5 eP P 14 07 36.0 -1.4

comp=Z,90nm,1.0s,mb5.5, LZH Lanzhou 37.90 5 eP P 14 01 30.4 -0.1

comp=Z,293nm,4.0s, LZH Lanzhou 37.90 5 eP P 14 01 40.0 -0.0

comp=N,6um,12.4s, LZH Lanzhou 37.90 5 eP P 14 01 30.4 -0.1

comp=Z,7.2m,12.6s,MS5.7, LZH Lanzhou 37.90 5 eP P 14 01 30.4 -0.1

comp=Z,90nm,1.0s,mb5.5, LZH Lanzhou 37.90 5 eP P 14 01 40.0 -0.0

comp=Z,90nm,1.0s,mb5.5, LZH Lanzhou 37.90 5 eP P 14 01 43.2 -0.8

comp=Z,90nm,1.0s,mb5.5, LZH Lanzhou 37.90 5 eP P 14 02 52.6

comp=Z,90nm,1.0s,mb5.5, LZH Lanzhou 37.90 5 eP P 14 07 36.0 -1.4

comp=Z,90nm,1.0s,mb5.5, LZH Lanzhou 37.90 5 eP P 14 09 57.8 +1.4

comp=Z,90nm,1.0s,mb5.5, LZH Lanzhou 37.90 5 eP P 14 01 30.4 -0.1

comp=Z,90nm,1.0s,mb5.5, LZH Lanzhou 37.90 5 eP P 14 01 40.0 -0.0

comp=Z,90nm,1.0s,mb5.5, LZH Lanzhou 37.90 5 eP P 14 01 43.2 -0.8





10d 14h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like Kasperske Hory, Ruedersdorf, Collin, etc.

2005 APR

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

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like Makanchi Array, Warramunga Arr, etc.

10d 13:58:32.91.1.4, 1.52S; 99.80E, h23km, 5km, mb3.9/5, mb1 4.0/6, mb1mx3.8/17, mbtmp4.0/6, ML4.1/1, Error ellipse:

10d 14:20:34.2.0.7, 1.76S; 99.72E, mb4.1/13, mb1 4.2/13, mb1mx4.1/20, mbtmp4.1/13, Error ellipse: s-maj=33.5km s-min=14.9km az=53.0





10d 14h

Table with columns: Station Name, Time, Res, ISC, and various codes. Includes stations like CN2, MAT, MJAR, MOY, MDJ, etc.

2005 APR

Table with columns: Station Name, Time, Res, ISC, and various codes. Includes stations like PET, VOR, SIM, ISP, LBTB, etc.

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Table with columns: Station Name, Time, Res, ISC, and various codes. Includes stations like OXF, LRAL, GOGA, LPAZ, etc.





Table with columns: WRA, WARRAMUNGA ARR, 38.52 121 P, 0.5nm, 0.4s, mb3, 6.2, baz=302, slow=9.2, SNR=9.1

IDC 10 15:17:56.8, 1.6, 1.68S-99.83E, mb3.9/11, mb1 4.1/11, mb1mx3.9/20, mbtmp3.9/11, Error ellipse: s-maj=80.1km s-min=15.3km az=55.0

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

IDC 10 15:22:28.6, 3.0, 1.90S-99.59E, mb3.4/6, mb1 3.7/6, mb1mx3.5/17, mbtmp3.4/6, Error ellipse: s-maj=121.4km s-min=21.4km az=58.0, Southern Sumatara

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

IDC 10 15:23:20.2, 2.9, 1.95S-99.50E, mb3.5/6, mb1 3.7/6, mb1mx3.6/17, mbtmp3.5/6, Error ellipse: s-maj=119.3km s-min=20.5km az=58.0, Southern Sumatara

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

Table with columns: JIRN, Jiri, 28.73 339 eP, 0.5nm, 0.30nm, 0.8s, mb4.9

IDC 10 15:27:19.0, 0.8, 1.68S-99.62E, h33km, mb4.8/17, Error ellipse: s-maj=15.6km s-min=8.3km az=109.4

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

IDC 10 15:27:19.0, 0.8, 1.68S-99.62E, h33km, mb4.8/17, Error ellipse: s-maj=15.6km s-min=8.3km az=109.4

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

IDC 10 15:27:19.0, 0.8, 1.68S-99.62E, h33km, mb4.8/17, Error ellipse: s-maj=15.6km s-min=8.3km az=109.4

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

Table with columns: KAF, Kangasini, 80.48 333 eP, 0.5nm, 2.2, 0.0nm, 0.5s, mb4.3

MOS 10 15:27:19.0, 0.8, 1.68S-99.62E, h33km, mb4.8/17, Error ellipse: s-maj=15.6km s-min=8.3km az=109.4

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

MOS 10 15:27:19.0, 0.8, 1.68S-99.62E, h33km, mb4.8/17, Error ellipse: s-maj=15.6km s-min=8.3km az=109.4

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

MOS 10 15:27:19.0, 0.8, 1.68S-99.62E, h33km, mb4.8/17, Error ellipse: s-maj=15.6km s-min=8.3km az=109.4

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, 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 Borovoye Array, Chkalovo, Bodaibo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KULM, KKM, CM31, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KULM, KKM, CM31, etc.























Table with columns for flight codes (SVE, BTMT, BEST, ARU, etc.), destinations (Batman, Besiri, Arti, etc.), times, and status (e, i, s, etc.).

Table with columns for flight codes (SKR, DRV, TOKT, etc.), destinations (Severo-Kuril's, Dumont d'Urville, Tokat, etc.), times, and status (e, i, s, etc.).

Table with columns for flight codes (SEY, RPZ, TIXI, etc.), destinations (Rata Peaks, Tiksi, etc.), times, and status (e, i, s, etc.).





Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TRCR Troy Canyon, HWUT Hardware Ranch, BW06 Boulder Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like GNAR Gosnell, HALL Halls, HBAR Harrisburg, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like FCH Farellones, LMEL Las Melosas, CLCH Cerro Calan, etc.

IDC 10 17:38:17.1±3.6, 0.20S:101.18E, mb3.9/5, mb1 4.1/5, mb1mx3.7/5, mbtmp3.9/5, Error ellipse: s-maj=153.8km s-min=21.4km az=59.0, Southern Sumatera

IDC 10 17:39:16.9±0.6, 1.83S:99.61E, mb4.3/16, mb1 4.5/16, mb1mx4.3/21, mbtmp4.3/16, Error ellipse: s-maj=30.6km s-min=13.4km az=52.0

MOS 10 17:39:20.9±1.3, 1.84S:99.53E, h33km, mb4.9/5, Error ellipse: s-maj=4.8km s-min=21.3km az=108.7

NEIC 10 17:39:22.0±3.7, 1.83S:99.64E, h34km, mb4.8/4, Error ellipse: s-maj=15.6km s-min=5.2km az=53.0

BUI 10 17:39:23.0±1.1, 1.80S:99.60E, h33km, mb4.9, Error ellipse: s-maj=15.6km s-min=5.2km az=53.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KULM Kulim, KSM Kuching, KKM Kota Kinabalu, etc.

THR 10 17:33:00.8±0.6, 34.47N:51.09E, h14km, 6km, ML3.5 CSEM 10 17:33:01.1±0.1, 34.47N:51.06E, h25km, ML4.6/2, Error ellipse: s-maj=3.5km s-min=3.2km az=130.0





DBIC	Dimbokro	72.72	81	eP	P	17 52 53.3	-1.1
VNA3	Neumayer Olymp	75.50	162	iP	P	17 53 10.9	+1.6
VNA3	Neumayer Olymp	75.50	162	iP	P	17 53 21.3	-0.7
VNA3	Neumayer Olymp	75.50	162	iP	P	17 53 43.8	+0.8
VNA3	Neumayer Olymp	75.50	162	iP	P	17 53 58.3	+0.6
VNA1	Neumayer-Stat	75.74	161	iP	P	17 53 13.3	+2.6
VNA1	Neumayer-Stat	75.74	161	iP	P	17 53 24.5	+1.4
YKA	Yellowknife Ar	75.77	343	P	P	17 53 10.1	-0.8
YKA	comp-Z,23nm,0.5s,mb5.0,baz=139,slow=6.1,SNR=561						
YKA	comp-Z,5.4nm,0.5s,baz=136,slow=6.3,SNR=3.3					17 53 45.4	+0.7
YKW3	Yellowknife Ar	75.82	343	eP	P	17 53 10.5	-0.8
VNA2	Neumayer-Watz	76.10	162	iP	P	17 53 13.8	+1.1
VNA2	Neumayer-Watz	76.10	162	iP	P	17 53 23.3	-1.3
VNA2	Neumayer-Watz	76.10	162	iP	P	17 53 38.5	+2.6
PTEO	Sao Teotônio	77.27	49	eP	P	17 53 21.1	+1.2
PLOU	Loures	77.42	48	eP	P	17 53 21.3	+0.6
SNA4	Sanae	77.71	162	iP	P	17 53 21.7	0.0
SNA4	Sanae	77.71	162	iP	P	17 53 56.1	+0.6
SNA4	Sanae	77.71	162	iP	P	17 53 21.6	-0.1
SNA4	Sanae	77.71	162	iP	P	17 53 56.2	+0.7
SNA4	comp-Z,160nm,0.9s						
SNA4	Sanae	77.71	162	iP	P	17 53 21.8	+0.2
SNA4	comp-Z,55nm,0.9s,mb5.2,baz=281,slow=4.9,SNR=138						
MOA	comp-Z,12nm,0.8s,baz=299,slow=3.4,SNR=3.4					17 53 56.6	+1.1
EBIE	Montepr	77.88	48	eP	P	17 53 23.8	+0.6
PALC	Alcutmin	78.18	49	eP	P	17 53 26.1	+1.2
PALC	comp-Z,48nm,1.3s,mb5.0						
PALC	El Granado	78.19	49	eP	P	17 54 00.1	+1.3
PALC	comp-Z,16nm,0.8s,mb4.7					17 53 25.8	+0.8
EGRO	Tomar	78.21	47	eP	P	17 53 57.6	-1.2
PTOM	Tomar	78.21	47	eP	P	17 53 25.1	+0.1
PTOM	comp-Z,63nm,1.1s,mb5.2						
DLBC	Dease Lake	78.58	334	eP	P	17 54 00.3	+1.4
EMIN	Mina Concepcio	78.88	49	eP	P	17 53 26.7	+0.1
EMIN	comp-Z,9.2nm,1.0s,mb4.4						
EMIN	Zamans	78.89	45	eP	P	17 54 02.4	-0.1
EMIN	comp-Z,3.8nm,0.8s,mb4.5					17 53 29.4	+0.7
EZAM	Badajoz	78.94	48	eP	P	17 54 01.3	-1.2
EBAD	Badajoz	78.94	48	eP	P	17 53 29.1	+0.1
EBAD	comp-Z,10nm,0.7s,mb4.6						
PCBR	Castelo Branco	78.96	47	eP	P	17 54 03.6	+0.7
PCBR	comp-Z,45nm,1.3s,mb4.9						
PCBR	Mazaricos	78.98	44	eP	P	17 54 03.1	+0.1
EMAZ	Manteigas	79.10	46	eP	P	17 53 28.6	-0.5
EMAZ	comp-Z,10.0nm,0.7s,mb4.5						
MTE	Manteigas	79.10	46	eP	P	17 54 00.4	-2.6
MTE	comp-Z,41nm,1.0s,mb5.0						
MTE	Manteigas	79.10	46	eP	P	17 53 29.6	-0.3
MTE	comp-Z,22nm,0.9s,mb4.8						
MTE	Espera	79.22	50	eP	P	17 54 03.2	-0.5
ESPR	Espera	79.22	50	eP	P	17 53 30.4	-0.1
ESPR	comp-Z,21nm,0.8s,mb4.8						
ELOB	Lobios	79.23	45	eP	P	17 54 05.8	+1.4
ELOB	comp-Z,10nm,0.7s,mb4.6						
STS	Santiago	79.25	44	eP	P	17 53 30.6	0.0
STS	comp-Z,8.8nm,0.7s,mb4.5						
PVRL	Vila Real	79.27	46	eP	P	17 53 30.9	+0.2
PVRL	comp-Z,52nm,1.2s,mb5.0						
PVRL	Jimena Fronter	79.39	51	eP	P	17 54 05.4	-0.2
EJIF	Jimena Fronter	79.39	51	eP	P	17 53 32.6	+1.2
EJIF	comp-Z,15nm,0.9s,mb4.6						
EJIF	Mijas	79.51	51	eP	P	17 54 07.2	+1.8
EJIF	comp-Z,26nm,0.8s,mb4.9						
EMIC	Incio	80.00	44	eP	P	17 54 09.3	+0.8
EMIC	comp-Z,16nm,0.8s,mb4.7						
EINC	La Rua	80.06	45	eP	P	17 53 37.3	-1.3
ERUA	La Rua	80.06	45	eP	P	17 53 35.2	+0.2
ERUA	comp-Z,15nm,1.0s,mb4.6						
ERUA	Braganca	80.14	45	eP	P	17 54 08.4	-1.8
ERUA	comp-Z,7.9nm,1.7s,mb5.1						
ERUA	Braganca	80.14	45	eP	P	17 53 35.6	+0.2
ECAL	Calabor	80.19	49	eP	P	17 53 36.1	+0.4
ECAL	comp-Z,21nm,1.0s,mb4.7						
ECAL	Pontenova	80.37	44	eP	P	17 54 08.4	-1.2
EPON	Pontenova	80.37	44	eP	P	17 53 36.9	+0.3
EPON	comp-Z,24nm,0.9s,mb4.8						
EADA	Adamuz	80.58	49	eP	P	17 54 09.5	-1.1
EADA	comp-Z,20nm,1.1s,mb4.7						
EADA	Sierra Loja	80.60	50	eP	P	17 54 09.3	-2.5
ELOJ	Sierra Loja	80.60	50	eP	P	17 53 39.8	+1.8
ELOJ	comp-Z,56nm,1.0s,mb5.2						
ELOJ	Luque	80.63	50	eP	P	17 54 14.1	+2.2
ELOJ	comp-Z,14nm,0.8s,mb4.6						
ERON	Agron	80.83	51	eP	P	17 54 13.8	+1.7
ERON	comp-Z,27nm,0.6s,mb5.0						
ERON	Cogollos-Vega	81.08	50	eP	P	17 54 14.4	+1.2
ERON	comp-Z,18nm,0.5s,mb5.0						
EALB	Albornoz	81.12	52	eP	P	17 53 40.9	+1.4
EALB	comp-Z,31nm,0.7s,mb5.0						
ESDC	Sonsecá Array	81.48	48	eP	P	17 53 42.6	+0.1
ESDC	comp-Z,1.8nm,0.9s,mb4.7,baz=262,slow=5.3,SNR=55						
ESDC	Sonsecá Array	81.48	48	eP	P	17 54 16.8	+0.2
ESDC	comp-Z,2.0nm,1.1s,baz=257,slow=5.7,SNR=5.5						
ESDC	Sonsecá Array	81.48	48	eP	P	17 53 42.9	+0.4
ESDC	comp-Z,16nm,1.0s,mb4.6						
ESDC	Sonsecá Array	81.48	48	eP	P	17 54 16.0	-0.6
ESLA	Sonsecá Array	81.48	48	eP	P	17 53 43.1	+0.6
ESLA	comp-Z,5.5nm,1.0s,mb4.1						
ESLA	Berja	81.50	51	eP	P	17 54 15.8	-0.8
ESLA	comp-Z,28nm,0.6s,mb5.0						
EARI	Ariondas	81.70	44	eP	P	17 53 43.6	+0.9
EARI	comp-Z,26nm,0.8s,mb4.9						
EARI	Nijar	82.05	51	eP	P	17 54 18.1	+0.5
ENIJ	Nijar	82.05	51	eP	P	17 53 45.5	0.0
ENIJ	comp-Z,48nm,1.0s,mb5.0						
EVIA	Viano	82.27	49	eP	P	17 53 47.9	+1.3
EVIA	comp-Z,64nm,0.7s,mb5.4						
MAIT	Maitri	82.29	160	eP	P	17 53 46.7	+0.6
NVL	N'azarevskaya	82.33	160	iP	P	17 53 42.1	-4.2
NVL	comp-Z,115nm,1.0s,mb5.5						
RES	Resolute Bay	82.88	355	P	P	17 53 48.5	-0.5
RES	comp-Z,24nm,1.0s,mb4.9						
RES	Resolute Bay	82.88	355	eP	P	17 53 48.4	-0.6
RES	comp-Z,1.0s,mb4.1						
ELAN	Lanestosa	82.91	45	eP	P	17 53 49.6	-0.2
ELAN	comp-Z,26nm,0.9s,mb5.0						
ELAN	Tobarra	83.00	50	eP	P	17 54 24.4	+0.4
ETOB	Tobarra	83.00	50	eP	P	17 53 50.8	+0.5
EMUR	La Murta	83.02	50	eP	P	17 53 50.1	-0.3
EMUR	comp-Z,29nm,0.9s,mb5.0						
ECRI	Cripan	83.38	46	eP	P	17 53 53.8	+1.6
ECRI	comp-Z,13nm,0.4s,mb5.0						
SUMG	Summit	83.62	11	eP	P	17 53 53.2	+0.5
SUMG	comp-Z,216nm,0.9s,mb5.9						
SUMG	Chera	83.68	49	eP	P	17 54 26.2	-0.8
SUMG	comp-Z,34nm,1.1s,mb5.0						
CPZ	Penzance	83.70	38	eP	P	17 53 53.8	+0.2
CPZ	comp-Z,172nm,1.1s,mb5.7						
CGN	Croghan	83.83	34	iP	P	17 53 54.1	0.0
CGN	Gweek	83.89	38	iP	P	17 53 54.9	+0.3
CGH1	Goonhilly	83.92	38	iP	P	17 53 54.8	+0.1
CCA1	Carmenellis	83.92	38	iP	P	17 53 54.8	+0.1
CCA1	Manaccan	83.95	38	iP	P	17 53 54.9	+0.1
CRQ2	Rosemanowes 2	83.95	38	iP	P	17 53 55.0	+0.2
CRQ2	comp-Z,299nm,1.0s,mb6.0						
EBEN	Beniarda	84.01	50	eP	P	17 53 56.6	+1.1
EBEN	comp-Z,55nm,0.8s,mb5.3						
EBEN	St Austell	84.18	38	eP	P	17 54 29.9	+0.1
CSA1	St Austell	84.18	38	eP	P	17 53 56.0	+1.1

DLF	Lyons Farm	84.23	34	eP	P	17 53 55.4	-0.7
EMOS	Mosqueruela	84.25	48	eP	P	17 53 58.4	+1.8
EMOS	comp-Z,52nm,0.8s,mb5.3						
EALK	Alkurtur	84.26	45	eP	P	17 53 57.0	+0.4
EALK	comp-Z,50nm,0.8s,mb5.0						
SJPF	St Jean	84.43	45	eP	P	17 53 58.0	+0.6
SJPF	comp-Z,474nm,1.2s,mb5.8						
SJPF	Osses	84.44	45	eP	P	17 54 32.3	+0.6
QUISF	Quistin	84.49	40	eP	P	17 53 57.8	+0.3
QUISF	comp-Z,167nm,1.3s,mb5.3						
ROSF	Rostrenen	84.55	40	eP	P	17 53 57.8	-0.1
ROSF	comp-Z,175nm,1.3s,mb5.3						
ROSF	Larrau	84.57	45	eP	P	17 54 31.9	-0.3
ROSF	comp-Z,74nm,1.1s,mb5.3						
ROSF	Larrau	84.60	47	eP	P	17 53 58.8	+0.7
ROSF	comp-Z,74nm,1.1s,mb5.3						
ETSF	Etsaut	84.64	46	eP	P	17 54 00.1	+0.6
ETSF	comp-Z,126nm,1.1s,mb5.2						
SGMF	Saint Gilles	84.98	40	eP	P	17 53 59.6	-0.4
SGMF	comp-Z,231nm,1.3s,mb5.4						

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like ARCES ARCESS Array B, KOLS Kolonic seal, MLR Muntele Rosu, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like WMQ Wujun Array Si, THN Thein Dam, PONG Pong, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like BVAR Borovoye Array, CHKZ Chkalovo, MATP Matop, etc.

IDC 10 17:41:39.0, 1.60S, 99.64E, mb4.3/9, mb1.4/3/10, mb1mx4.1/19, mbmp4.2/10, ML4.0/1, Error ellipse: s-maj=32.3km s-min=19.5km az=62.0

NEIC 10 17:41:44.3, 0.4, 1.57S, 99.73E, h30km, mb4.6/5, Error ellipse: s-maj=17.6km s-min=9.2km az=65.0

ISC 10 17:41:42.7, 0.1, 1.55S, 0.1, 99.7E, 0.1, h33km, n25, 0.096/19, mb4.3/14, Southern Sumatara

IDC 10 17:42:36.9, 0.7, 1.94S, 99.57E, mb4.4/14, mb1.4/6/14, mb1mx4.5/20, mbmp4.4/14, Error ellipse: s-maj=33.6km s-min=15.7km az=51.0

B/1 10 17:42:40.2, 1.80S, 99.80E, h32km, mb5.0, MOS 10 17:42:40.7, 1.2, 1.76S, 99.77E, h33km, mb5.1/3, Error ellipse: s-maj=25.7km s-min=12.3km az=113.2

NEIC 10 17:42:42.3, 0.4, 1.80S, 99.77E, mb4.7/3, Error ellipse: s-maj=16.7km s-min=8.4km az=56.6

ISC 10 17:42:40.8, 0.5, 1.71S, 0.09, 99.8E, 0.1, h33km, (h32km, 5km-p-P), n46, 0.098/39, mb4.5/17, 1C-5D, Southern Sumatara

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, FITZ Fitzroy Crossi, etc.

B/1 10 17:43:51.3, 2.80S, 99.97E, h30km, mb5.8, mb5.0, Ms5.3, Ms2.1

IDC 10 17:43:56.5, 0.8, 1.90S, 99.41E, mb4.6/17, mb1.4/8/17, mb1mx4.6/22, mbmp4.6/17, Ms4.9/1, Ms1.5/1, ms1mx3.8/32, Error ellipse: s-maj=43.1km s-min=13.0km az=51.0

MOS 10 17:44:00.1, 0.7, 1.67S, 99.72E, h33km, mb4.8/9, Error ellipse: s-maj=25.0km s-min=10.1km az=111.5

NEIC 10 17:44:01.0, 0.3, 1.93S, 99.40E, h30km, mb4.8/11, Error ellipse: s-maj=13.8km s-min=6.4km az=58.0

ISC 10 17:44:00.2, 0.5, 1.72S, 0.08, 99.7E, 0.1, h33km, n60, 0.065/54, mb4.7/35, Ms5.0/4, 1C, Southern Sumatara

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like KULM Kulim, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.



















Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warrungarra Arr, WRAB Tennant Creek, ASAR Alice Springs, etc.

IDC 10 19:38:22.0.2.1, 0.75N-97.66E, mb3.9/8, mb1 4.0/9, mb1mx3.8/21, mbtmp3.9/9, ML3.7/1, Error ellipse: s-maj=93.7km s-min=15.7km az=59.0

NEIC 10 19:36:26.0.0.9, 0.85N-97.75E, h30km, mb3.8/3, Error ellipse: s-maj=27.5km s-min=10.9km az=69.0

ISC 10 19:38:24.8.1.2, 1.65S-0.29E, h2.97E, 0.3, h33km, n15, -085/11, mb4.0/10, Northern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

IDC 10 19:39:12.1.2.5, 1.60S-99.76E, mb3.8/6, mb1 3.9/7, mb1mx3.7/19, mbtmp3.8/7, ML3.8/1, Error ellipse: s-maj=109.6km s-min=20.4km az=56.0

NEIC 10 19:39:16.5.0.7, 1.60S-99.77E, h30km, mb4.2/2, Error ellipse: s-maj=29.9km s-min=10.9km az=62.0

ISC 10 19:39:14.8.1.2, 1.65S-0.29E, h2.97E, 0.3, h33km, n15, -085/11, mb3.9/8, Southern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, CMAR Chiang Mai Arr, WRA Warrungarra Arr, etc.

IDC 10 19:41:34.9.1.6, 1.82S-99.62E, h32km, 5.6km, mb3.6/9, mb1 3.8/9, mb1mx3.6/20, mbtmp3.8/9, Error ellipse: s-maj=73.2km s-min=13.7km az=55.0

NEIC 10 19:41:34.9.0.8, 1.78S-99.65E, mb4.2/1, Error ellipse: s-maj=30.0km s-min=10.1km az=62.0

ISC 10 19:41:32.7.1.1, 1.75S-0.1.99.7E, 0.2, h31km, h31km, 4km; p-P, n16, -091/13, mb3.9/9, Southern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, CMAR Chiang Mai Arr, FITZ Fitzroy Crossi, etc.

IDC 10 19:43:04.8.1.1, 1.73S-99.53E, h19km, 5.6km, mb3.8/10, mb1 3.9/10, mb1mx3.7/19, mbtmp3.9/10, Error ellipse: s-maj=56.5km s-min=15.2km az=53.0

NEIC 10 19:43:04.4.0.6, 1.87S-99.33E, mb4.3/2, Error ellipse: s-maj=23.7km s-min=9.3km az=62.0

ISC 10 19:43:02.6.0.8, 1.85S-0.1.99.4E, 0.2, h20km, h20km, 4km; p-P, n19, -097/15, mb4.0/11, Southern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes station KULM Kulim.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, LSA Lhasa, WRA Warrungarra Arr, etc.

IDC 10 19:44:38.8.1.6, 1.37S-99.32E, mb4.1/10, mb1 4.2/11, mb1mx3.9/19, mbtmp4.0/11, ML3.7/1, Error ellipse: s-maj=79.4km s-min=15.8km az=56.0

NEIC 10 19:44:42.5.0.9, 1.55S-99.15E, h30km, mb4.2/3, Error ellipse: s-maj=31.8km s-min=10.5km az=61.0

ISC 10 19:44:41.5.0.9, 1.55S-0.1.99.2E, 0.2, h33km, n17, -088/16, mb4.1/13, Southern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, CMAR Chiang Mai Arr, FITZ Fitzroy Crossi, etc.

ATH 10 19:44:54.2, 35.15N-25.88E, h52km, 3km, MD3.5/5

NEIC 10 19:44:54.2, 35.15N-25.87E, h52km, MD3.5(ATH), After ATH

CSEM 10 19:44:54.9.0.1, 35.17N-25.89E, h30km, MD3.5, Error ellipse: s-maj=4.3km s-min=3.7km az=102.0

ISC 10 19:44:55.8.1.4, 35.23N.0.10.25.9E, 0.1, h39km, 24km, n11, -083/14, Crete

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NPS Neapolis, XRY Khriasi, KARP Karpathos, etc.

IDC 10 19:53:30.9.2.7, 49.11S-123.95E, mb3.6/4, mb1 3.9/4, mb1mx3.8/12, mbtmp3.7/4, Error ellipse: s-maj=114.3km s-min=27.4km az=97.0, Western Indian-Antarctic Ridge

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

IDC 10 19:56:43.2.0.4, 1.70S-99.64E, mb4.6/25, mb1 4.7/25, mb1mx4.7/26, mbtmp4.6/25, MS3.7/1, Ms1 3.9/1, ms1mx3.5/26, Error ellipse: s-maj=17.9km s-min=10.0km az=48.0

BUI 10 19:56:44.2, 2.05S-99.74E, h37km, mb5.1, mb4.9, Ms4.7, Ms4.4

MOS 10 19:56:46.9.0.7, 1.61S-99.69E, h33km, mb5.0/21, Error ellipse: s-maj=14.7km s-min=7.7km az=110.5

NEIC 10 19:56:46.9.0.2, 1.66S-99.64E, mb4.9/23, MS4.4/1, Error ellipse: s-maj=7.9km s-min=5.2km az=58.0

ISC 10 19:56:46.5.1.7, 1.71S-0.05.99.61E, 0.05, h31km, 11km, h23km, 2.8km; p-P, n132, -094/123, mb4.8/62, MS4.2/7, 10C-7D, Southern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KGM Kluang, IGM Iloilo, KULM Kulim, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CMAR comp=Z.198nm, 18.9s, MS3.5, bazo=320, slow=41, CHG Chiang Mai, NANT Nan, QIZ Qiongzong, etc.

10D 20h

Table of astronomical observations for 10D 20h, listing station names, coordinates, and observation details.

2005 APR

Table of astronomical observations for 2005 APR, listing station names, coordinates, and observation details.

ISK 10 20:03:57.4, 37.58N;29.98E, h5km, ML3.8
CSEM 10 20:03:57.4, 37.58N;29.98E, h10km, ML3.7, Error ellipse: s-maj=2.3km s-min=1.2km az=21.0

Main table of astronomical observations for 2005 APR, listing station names, coordinates, and observation details.

460

Table of astronomical observations for 460, listing station names, coordinates, and observation details.

MOS 10 20:07:31.9, 0.9, 1.65S;99.85E, h33km, mb5.1/26, Error ellipse: s-maj=14.9km s-min=6.6km az=117.4

Main table of astronomical observations for 460, listing station names, coordinates, and observation details.



Table of astronomical observations for 2005 APR, columns include station name, object name, magnitude, position, and time.

Table of astronomical observations for 2005 APR, columns include station name, object name, magnitude, position, and time.

Table of astronomical observations for 2005 APR, columns include station name, object name, magnitude, position, and time.



Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like Obninsk, Tirgusor, Harsova, Malin Array, etc.

MAN 10 20:44:45.2, 13.73N:120.59E, h32km, mb3.7, ML2.5, MS2.0, Mindoro

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like Lubang, San Jose, Coron.

WEL 10 21:04:05.9, 0.1, 42.98S x 171.02E, h4km, 1km, ML4.2/21, Error ellipse: s-maj=0.8km s-min=0.8km az=0.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like Chiang Mai Arr, Warrunganga Arr, Tarrant Creek, etc.

MAN 10 20:51:36.5, 10.61N:125.68E, h1km, mb4.8, ML3.7, MS3.7, Leyte

WEL 10 21:04:05.9, 0.1, 42.98S x 171.02E, h4km, 1km, ML4.2/21, Error ellipse: s-maj=0.8km s-min=0.8km az=0.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like Kulum, Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like Warrunganga Arr, Alice Springs, etc.

WEL 10 21:04:05.9, 0.1, 42.98S x 171.02E, h4km, 1km, ML4.2/21, Error ellipse: s-maj=0.8km s-min=0.8km az=0.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like Warrunganga Arr, Alice Springs, etc.

WEL 10 21:04:05.9, 0.1, 42.98S x 171.02E, h4km, 1km, ML4.2/21, Error ellipse: s-maj=0.8km s-min=0.8km az=0.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like Warrunganga Arr, Alice Springs, etc.

WEL 10 21:04:05.9, 0.1, 42.98S x 171.02E, h4km, 1km, ML4.2/21, Error ellipse: s-maj=0.8km s-min=0.8km az=0.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like Warrunganga Arr, Alice Springs, etc.

WEL 10 21:04:05.9, 0.1, 42.98S x 171.02E, h4km, 1km, ML4.2/21, Error ellipse: s-maj=0.8km s-min=0.8km az=0.0

WEL Felt in the West Coast region, maximum reported intensity MM 5

NEIC 10 21:04:07.3, 3.8, 43.09S x 171.11E, h26km, 30km, mb3.5/2, mb1 3.8/3, mb1mx3.6/10, mbtmsp3.7/3, ML3.4/1, Error ellipse: s-maj=36.1km s-min=31.4km az=138.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like Rata Peaks, Lake Taylor, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like Rata Peaks, Lake Taylor, etc.

NEIC 10 21:05:01.9, 0.4, 1.55S:99.61E, h27km, 4km, mb4.0/13, mb1 4.1/14, mb1mx3.9/21, mbtmsp4.1/14, ML3.8/1, Error ellipse: s-maj=26.4km s-min=12.4km az=49.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like Rata Peaks, Lake Taylor, etc.

NEIC 10 21:05:01.9, 0.4, 1.55S:99.61E, h27km, 4km, mb4.0/13, mb1 4.1/14, mb1mx3.9/21, mbtmsp4.1/14, ML3.8/1, Error ellipse: s-maj=26.4km s-min=12.4km az=49.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like Rata Peaks, Lake Taylor, etc.

NEIC 10 21:05:01.9, 0.4, 1.55S:99.61E, h27km, 4km, mb4.0/13, mb1 4.1/14, mb1mx3.9/21, mbtmsp4.1/14, ML3.8/1, Error ellipse: s-maj=26.4km s-min=12.4km az=49.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like Rata Peaks, Lake Taylor, etc.

NEIC 10 21:06:01.6, 2.9, 1.55S:99.83E, mb3.8/5, mb1 3.9/6, mb1mx3.6/18, mbtmsp3.7/6, ML3.6/1, Error ellipse: s-maj=139.7km s-min=20.5km az=55.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like Rata Peaks, Lake Taylor, etc.

NEIC 10 21:06:01.6, 2.9, 1.55S:99.83E, mb3.8/5, mb1 3.9/6, mb1mx3.6/18, mbtmsp3.7/6, ML3.6/1, Error ellipse: s-maj=139.7km s-min=20.5km az=55.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like Rata Peaks, Lake Taylor, etc.

NEIC 10 21:06:01.6, 2.9, 1.55S:99.83E, mb3.8/5, mb1 3.9/6, mb1mx3.6/18, mbtmsp3.7/6, ML3.6/1, Error ellipse: s-maj=139.7km s-min=20.5km az=55.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like Rata Peaks, Lake Taylor, etc.

NEIC 10 21:06:01.6, 2.9, 1.55S:99.83E, mb3.8/5, mb1 3.9/6, mb1mx3.6/18, mbtmsp3.7/6, ML3.6/1, Error ellipse: s-maj=139.7km s-min=20.5km az=55.0



Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Alice Springs, Beijing, Songrio Array, etc.

IDC 10 22:20:34.1, 3.1, 6.3S, 99.14E, mb3.73, mbl 3.8/4, mb1mx3.5/18, mbtmp3.6/4, ML4.0/1, Error ellipse: s-maj=129.3km s-min=27.8km az=54.0, Southern Sumatara

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Chiang Mai Arr, Warramunga Arr, etc.

KRSC 10 22:20:41.5, 1.4, 5.5, 29N, 162.47E, h23km, 5km, ML3.8, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Mys Kozlova, Krutoberegovo, Zelenaya, etc.

NIED 10 22:22:00, 35.70N, 140.70E, h50km, Mw6.0 Best double couple: M0.65x10^17 NP1:359, delta 74, lambda 81. NP2:210, delta 18, lambda 120.

CRAAG 10 22:22:11.1, 35.97N, 140.37E, Mb6.2 BUI 10 22:22:13.3, 35.64N, 140.53E, h55km, mb6.1, mb6.1, Ms5.8, Msz5.6

MOS 10 22:22:13.4, 0.9, 35.62N, 140.38E, h33km, mb6.3/102, MS5.6/54, Error ellipse: s-maj=6.6km s-min=4.1km az=108.6

BGS 10 22:22:14.2, 35.29N, 140.18E, h40km, mb6.3 HRVD 10 22:22:15.7, 0.1, 35.61N, 140.81E, h50km, MW5.9/75, Centroid moment Tensor Solution. LP body waves:

s72.c170; Mantle waves: s75.c231; Half duration: 2s2 Moment tensor: Scale 10^18Nm; Mw: 6.9; M0: 6.9e+01; Mw: 0.73e+01; Mw: 0.04e+01; Mw: 0.10e+01; Mw: 0.67e+01; Best double couple: M0.988x10^18 NP1:195, delta 24, lambda 104. NP2:360, delta 67, lambda 84. Principal axes: T: 966, Plg68, Azm258; N: 044, Plg6; Azm2; P: -1.01, Plg21, Azm95; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.

NEIC 10 22:22:15.7, 0.1, 35.60N, 140.40E, h43km, mb6.1/206, ME5.8, MS5.4/137, MW5.9, MW5.9(NIED) Error ellipse: s-maj=2.7km s-min=2.1km az=165.0 Broadband fault plane solution: P waves. NP1:360, delta 75, lambda 90. NP2: 360, delta 15, lambda 90. Principal axes: T: Plg60, Azm280; N: Plg0, Azm0; P: Plg30, Azm100; Moment Tensor Solution. s46 Moment tensor: Scale 10^17 Nm; Mw: 4.80; Mw: 1.38; Mw: 3.42; Mw: 1.13; Mw: 0.67; Mw: 8.42; Best double couple: M0.95x10^17 NP1:198, delta 13, lambda 99. NP2: 360, delta 77, lambda 88. Principal axes: T: 10.1, Plg58, Azm276; N: -1.2, Plg2; Azm9; P: 8.9, Plg32; Azm100; Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism.

NEIC Fell [IV] at Tokyo and Zama; [II] at Ayase, Yokohama and Yokosuka; [II] at Sagamihara and Utsunomiya. Fell in Hamura. High speed train and airport service interrupted in the Tokyo area. Recorded [5U JMA] in Chiba and Ibaraki; [4 JMA] in Saitama; [3 JMA] in Fukushima, Kanagawa, Miyagi, Shizuoka, Tochigi, Tokyo and Yamanashi; [2 JMA] in Gumma, Nagano, Niigata and Yamagata; [1 JMA] in Aichi, Akita, Aomori, Gifu, Hyogo and Iwate Prefectures. Also recorded [1 JMA] on Kozu-jima, Miyake-jima, Nii-jima and Oshima.

JMA 10 22:22:15.6, 0.1, 35.73N, 140.62E, h52km, 1km, M6.1 Broadband fault plane solution: P waves. NP1:179,

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Nagara, Chosi, Boso, Tokyo, etc.

delta 26, lambda 86. NP2:36, delta 86, lambda 92. Principal axes: T: Plg71, Azm278; N: Plg2; Azm183; P: Plg19. Azm92; IDC 10 22:22:18.8, 0.9, 35.59N, 140.47E, h68km, 6km, mb5.6/29, mb1 5.7/32, mb1mx5.7/33, mbtmp5.9/32, MS5.3/29, Ms1 5.3/29, ms1mx5.3/33, Error ellipse: s-maj=9.4km s-min=5.8km az=86.0 ISC 10 22:22:14.3, 0.1, 35.57N, 140.47E, 0.02, h43km, h43km, 1.7km, p-P, n1237, delta 693/1199, mb6.1/286, MS5.5/192, 319C-37D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Nagara, Chosi, Boso, Tokyo, etc.

MAJO Matushiro 2.08 298 eP P 22 22 49.0 +1.7 MAJ MAT Matushiro 2.08 298 eS S 22 22 49.0 +1.7 MAJ MAT Matushiro 2.08 298 eS S 22 22 49.0 +1.7

JMM Marumori 2.30 6 S P 22 22 50.6 -0.1 JNS Sasagawa 2.43 338 S P 22 22 50.7 +0.6 JNS Hachijo jima 2 2.51 193 S P 22 22 55.7 +2.1

JOU Okura 2.79 3 P P 22 22 57.9 +0.3 JIO Ori 2.96 13 P P 22 22 58.9 -1.1 JYA Atsumi 3.08 349 P P 22 23 03.2 +1.5

JYK Kaneyama 3.34 358 P P 22 23 05.9 +0.5 JEG Eigenji 3.67 264 P P 22 23 09.5 +3.8 OFJU Onunato 3.83 15 P P 22 23 07.8 +1.7 JRG Rokugo 3.82 2 P P 22 23 12.4 +0.2 JOM Ohasama 3.95 9 P P 22 23 13.0 -1.0

JWE Higurashi 4.03 258 P P 22 23 18.3 +3.2 JHT Wachi 4.15 287 P P 22 23 19.7 +2.8 JKY Yasaka 4.38 272 P P 22 23 22.7 +2.7 JKM Kuzumaki 4.46 9 P P 22 23 20.1 -1.1 JJK Mizumabe 4.55 249 P P 22 23 25.7 +3.2

JAH Hinai 4.61 2 P P 22 23 23.0 -0.4 JKS Kasai 4.64 264 P P 22 23 26.4 +2.6 JANG Nango 4.86 9 P P 22 23 25.1 -1.8 JAD Aida 5.20 265 P P 22 23 34.0 +2.4 JKR Kurayoshi 5.43 270 P P 22 23 37.9 +3.0 JMN Monobe 5.74 253 P P 22 23 42.3 +3.2 JOT Ohata 5.82 4 P P 22 23 38.5 -1.8

JHS Saijyo 6.04 267 P P 22 23 46.2 +2.8 JNM Iiuma 6.07 271 P P 22 23 46.8 +3.0 JEM Erimo 6.77 17 P P 22 23 49.0 -4.6 JTO Tosashimizu 6.91 249 P P 22 23 58.5 +3.0 JNBK Urakawa-nobuka 6.93 14 P P 22 23 52.0 -3.9

JKIT Kitakata 8.01 251 P P 22 24 14.7 +3.5 JKH Hokuryu 8.22 6 P P 22 24 09.3 -4.4 JIIZ Iizumi 8.56 282 P P 22 24 21.7 +3.2 CBJI Chichi jima 8.57 170 P P 22 24 15.8 -2.8

CBJJ comp=Z,225nm,0.3s,baz=111,slow=22,SNR=4.0 JTA Tamena 8.63 255 P P 22 24 22.3 +2.9 JTZ Takazaki 8.63 248 P P 22 24 22.9 +3.5 JNAR Asahikawa-Naru 8.67 245 P P 22 24 24.1 +4.1 ASAJ Asahikawa 8.69 10 P P 22 24 14.9 -5.4

ASAJ comp=Z,28nm,0.3s ASAJ comp=Z,19um,21.1s ASAJ Asahikawa 8.69 10 P P 22 24 14.8 -5.4 ASAJ comp=Z,28nm,0.3s,baz=226,slow=13,SNR=87 ASAJ comp=Z,40nm,0.3s,baz=340,slow=20,SNR=4.4

ASAJ comp=Z,19um,21.1s,baz=196,slow=62 ASAJ Nemuro 2 8.78 26 P P 22 24 14.6 -7.0 JSS Shosan 8.88 6 P P 22 24 18.4 -4.5

JZO Okuchi 8.89 250 P P 22 24 26.9 +3.8 JRA Rausu 9.09 22 P P 22 24 19.4 -6.4 JTSR Tashiro 2 9.11 244 P P 22 24 29.5 +3.4 JSU Suzuyama 9.29 247 P P 22 24 32.0 -3.4 JTN Tanegashima 3 9.35 241 P P 22 24 33.5 +4.1

YUK Yuzh-Kuril sk 9.41 24 eP P 22 24 25.4 -4.8 YUK comp=N,2um,0.8s YUK comp=E,2um,0.8s YUK comp=Z,3um,0.8s

YUK comp=Z,7um,1.2s YUK comp=E,4um,1.4s YUK comp=N,5um,1.8s YUK comp=N,12um,17.0s

YUK comp=E,9um,18.0s YUK comp=Z,19um,18.0s JSJ Shimooshiki 9.77 250 P P 22 24 37.6 +2.4 JKC Kuchinoerabu 10.02 242 P P 22 24 42.0 +3.4 JNN Nakanoshima 10.60 240 P P 22 24 50.4 +3.9

YSS Yuzh-Sakhalins 11.50 8 eP P 22 24 53.2 -5.5 YSS comp=Z,100nm,0.9s YSS comp=Z,460nm,1.0s YSS comp=N,23um,15.0s

YSS comp=E,17um,19.0s YSS comp=Z,13um,19.0s YSS Yuzh-Sakhalins 11.50 8 eP P 22 24 53.1 -5.5 YSS comp=Z,552nm,0.8s

MDJ Mudanjing 12.28 321 P S 22 25 08.2 -1.0 MDJ MDJ S S 22 25 07.7 +1.1 MDJ MDJ PCP PCP 22 30 48.4 -0.7 MDJ MDJ SCP SCP 22 34 16.4 MDJ MDJ PCS PCS 22 34 21.7 MDJ MDJ SCS SCS 22 37 52.3 +0.3

MDJ comp=Z,409nm,1.3s MDJ MDJ SCS SCS 22 37 52.3 +0.3 MDJ MDJ SCS SCS 22 37 52.3 +0.3 MDJ MDJ SCS SCS 22 37 52.3 +0.3

MDJ comp=Z,3um,5.0s MDJ MDJ SCS SCS 22 37 52.3 +0.3 MDJ MDJ SCS SCS 22 37 52.3 +0.3 MDJ MDJ SCS SCS 22 37 52.3 +0.3

MDJ comp=N,6um,12.8s MDJ MDJ SCS SCS 22 37 52.3 +0.3 MDJ MDJ SCS SCS 22 37 52.3 +0.3 MDJ MDJ SCS SCS 22 37 52.3 +0.3

MDJ comp=E,16um,12.8s MDJ MDJ SCS SCS 22 37 52.3 +0.3 MDJ MDJ SCS SCS 22 37 52.3 +0.3 MDJ MDJ SCS SCS 22 37 52.3 +0.3

MDJ comp=Z,24um,21.3s MDJ MDJ SCS SCS 22 37 52.3 +0.3 MDJ MDJ SCS SCS 22 37 52.3 +0.3 MDJ MDJ SCS SCS 22 37 52.3 +0.3

UGL comp=Z,110nm,0.9s UGL comp=Z,700nm,2.0s UGL comp=N,13um,19.0s UGL comp=E,31um,18.0s UGL comp=Z,16um,18.0s

JOW Kunigami 13.59 233 P P 22 25 28.5 +2.0 JOW comp=Z,5.9nm,0.3s,baz=58,slow=12,SNR=24 S S 22 27 49.2 -7.8

JOW comp=Z,1.7nm,0.3s,baz=60,slow=23,SNR=7.3 S S 22 27 32.0 -1.1 JOW comp=Z,24um,21.1s,baz=53,slow=36 S S 22 25 33.1 -1.0

CN2 Chanchung 14.18 310 eP P 22 25 08.3 -2.6 CN2 comp=Z,610nm,1.3s CN2 comp=Z,3um,5.0s CN2 comp=N,17um,18.0s

CN2 comp=E,22um,18.0s CN2 comp=Z,19um,19.0s SNY Shenyang 14.59 300 P P 22 25 40.7 +1.2 SNY SNY PP PP 22 25 52.6 SNY SNY PP PP 22 25 55.0 +3.8 SNY SNY S S 22 28 36.3 +5.7

SNY comp=Z,330nm,1.4s SNY comp=Z,3um,9.4s SNY comp=N,12um,15.5s SNY comp=N,12um,15.5s SNY comp=Z,25um,27.3s

KLR Kuf dur 15.08 338 eP P 22 25 37.3 -8.6 KLR KLR MLR MLR 22 28 33.0 KLR comp=E,8um,13.0s KLR comp=Z,18um,13.0s

TYV Tynovskoe 15.37 5 eP S 22 25 41.0 -8.6 TYV TYV eS S 22 28 29.0 -10 TYV comp=Z,1um,1.1s TYV comp=E,2um,1.5s TYV comp=E,2um,1.5s

TYV comp=Z,2um,1.5s TYV comp=E,6um,8.0s TYV comp=N,4um,4.0s TYV comp=N,10um,16.0s TYV comp=N,18um,18.0s

TYV comp=Z,18um,16.0s TYV comp=E,14um,21.6s TYV comp=E,10um,18.0s DL2 Dalian 15.37 288 P P 22 25 52.5 +2.7

DL2 comp=Z,850nm,1.3s DL2 comp=Z,5um,5.0s DL2 comp=N,6um,21.6s DL2 comp=E,14um,21.6s DL2 comp=Z,18um,18.0s

SSE Sheshan 16.72 260 P P 22 26 08.0 +1.1 SSE SSE AP AP 22 26 21.2 SSE SSE XP XP 22 26 26.2 SSE SSE S S 22 29 08.6 -1.7 SSE SSE S S 22 29 08.6 -1.7

SSE comp=Z,311nm,1.7s SSE SSE AMB AMB SSE SSE AMB AMB SSE SSE AMB AMB SSE SSE AMB AMB

SSE comp=Z,6um,8.5s SSE SSE LR LR SSE SSE LR LR SSE SSE LR LR SSE SSE LR LR

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Table with columns for flight codes (BJI, BJI, BJI, etc.), destinations (Beijing, Baijiatuu, Yeheng, etc.), times, and status indicators (eP, S, P, etc.).

Table with columns for flight codes (YAK, YAK, YAK, etc.), destinations (N, 268nm, 1.4s, etc.), times, and status indicators (pmax, smax, etc.).

Table with columns for flight codes (GTA, GTA, MOY, etc.), destinations (N, 7.1um, 19.8s, etc.), times, and status indicators (LR, LR, eP, etc.).



Table with columns for call sign, name, frequency, and other details. Includes stations like Nongplab, Agartala, Kuching, Makanchi Array, etc.

Table with columns for call sign, name, frequency, and other details. Includes stations like Borovoye Array, Sorovoye Array, BVAR, etc.

Table with columns for call sign, name, frequency, and other details. Includes stations like Sitka, Chennai, Alice Springs, Marble Bar, etc.

Table with columns for station call letters, frequency, power, and signal strength. Includes stations like MOS, MAK, KAF, etc.

Table with columns for station call letters, frequency, power, and signal strength. Includes stations like KIV, HAWA, JMW, etc.

Table with columns for station call letters, frequency, power, and signal strength. Includes stations like WCN, PAHR, DOMB, etc.





MNS	Montasola	88.92 324	eP	P	22 35 04.6	-0.6
CSNN	Cassano Irpino	88.92 324	eP	P	22 35 04.5	-0.8
MNTX	Cornudas Mount	88.94 51	eP	P	22 35 05.9	+0.3
comp=Z,33nm,1.1s,mb5.6						
MNTX			eP	pP	22 35 19.1	+0.5
comp=Z,1.1m,21.0s,M55.4						
LSD	Ceresole Reale	88.98 329	P	P	22 35 05.9	+0.5
CPRX	Cap Rock	88.99 49	eP	P	22 35 07.5	-0.1
SGO	Cicignano	89.03 321	eP	P	22 35 05.3	-0.4
RSL	Roseland	89.02 330	eP	P	22 35 05.5	-0.1
AMTX	Amarillo	89.05 47	eP	P	22 35 06.7	+0.7
comp=Z,2.02nm,0.9s,mb5.5						
AMTX			eP	pP	22 35 20.2	+1.1
comp=Z,2.2m,21.0s,M55.5						
LPL	La Plagne	89.11 329	iP	P	22 35 06.2	+0.1
comp=Z,1.75nm,1.0s,mb5.0						
LPG	La Plagne	89.12 329	iP	P	22 35 06.4	+0.3
comp=Z,2.20nm,1.0s,mb5.1						
PCP	Pian Castagno	89.12 328	P	P	22 35 05.5	-0.7
FLN	La Foiniere	89.13 335	iP	P	22 35 05.8	-0.2
comp=Z,4.44nm,1.4s,mb6.3						
FLN			eR			
SSF	Saint Saulge	89.13 332	iP	P	22 35 05.9	-0.2
comp=Z,4.4m,20.0s						
LDF	La Druitiere	89.15 335	iP	P	22 35 05.8	-0.4
comp=Z,3.37nm,1.3s,mb5.2						
RSP	Reno Superiore	89.3 329	P	P	22 35 05.5	-1.0
GDGL	Guadalupe Moun	89.24 50	eP	P	22 35 07.5	+0.4
TYF	Timpagrande	89.27 320	eP	P	22 35 07.7	-0.3
HIF	Humbigny	89.28 333	iP	P	22 35 07.1	+0.3
SMF	Signal de Mont	89.34 332	iP	P	22 35 06.9	-0.2
comp=Z,2.81nm,1.5s,mb5.3						
FENE	Fenestrelle	89.37 329	P	P	22 35 06.1	-1.2
MA9	Marino	89.40 324	eP	P	22 35 07.2	-0.3
AVF	Avril sur Loir	89.41 332	iP	P	22 35 07.3	-0.1
comp=Z,9.52nm,1.3s,mb6.7						
BHB	Brich-d'Aud	89.48 329	P	P	22 35 05.7	-2.0
ATD	Arta Tunnel	89.48 284	P	P	22 35 09.2	+0.7
comp=Z,6.5nm,1.1s,mb5.9,baz=35S,slow=4.7,SNR=17						
ATD			PP		22 38 45.0	+2.5
comp=Z,2.26nm,1.0s,baz=27,slow=2.8,SNR=5.3						
ATD			LR	LR	23 22 21.9	
CLNB	Carlsbad	89.50 50	eP	P	22 35 08.3	+0.1
CBNI	Bardonecchia	89.51 329	eP	P	22 35 08.1	+0.1
BNI			pmax	pmax		
BNI	Bardonecchia	89.51 329	eP	P	22 35 07.7	-0.2
comp=Z,7.3nm,1.0s,mb6.0						
FIN	Finale Ligure	89.53 328	eP	P	22 35 07.0	-1.1
RRL	Cesana Torines	89.57 329	P	P	22 35 08.0	-0.3
GRR	Gorron	89.58 335	iP	P	22 35 08.2	0.0
comp=Z,3.45nm,1.0s,mb6.3						
OG22	Abries	89.58 329	eP	P	22 35 08.0	-0.3
ROB	Grand Maison	89.61 328	eP	P	22 35 06.8	-1.6
GDM	Montbardon	89.62 330	eP	P	22 35 08.4	-0.6
MDF	Montbardon	89.73 329	iP	P	22 35 08.4	-0.6
comp=Z,1.93nm,1.1s,mb6.0						
GRN	Grenoble	89.74 330	eP	P	22 35 09.2	+0.2
PZZ	Prazzo	89.77 329	eP	P	22 35 06.9	-2.3
BGF	Bois d'Agland	89.80 328	iP	P	22 35 09.2	-0.1
comp=Z,3.35nm,1.3s,mb6.2						
MON	Monesi	89.83 328	P	P	22 35 08.4	-1.1
ENR	Entraque	89.86 328	P	P	22 35 06.8	-2.8
STV2	Anna di Valdie	89.89 328	P	P	22 35 07.0	-2.7
STV	Sta Anna Valdi	89.89 328	P	P	22 35 06.8	-2.9
IMI	Imperia	89.91 328	P	P	22 35 08.3	-1.6
SURF	Saint Ours	89.92 329	eP	P	22 35 09.2	-0.7
ORIF	Oris-en-Rattie	89.95 330	iP	P	22 35 09.9	-0.1
comp=Z,1.70nm,1.1s,mb6.0						
ORIF			eR			
PLDF	La Plantade	89.99 332	iP	P	22 35 11.6	+1.4
SAOG	Saorge	90.00 328	iP	P	22 35 09.5	-0.8
NEGI	Negi	90.04 328	eP	P	22 35 08.2	-2.3
AUTN	L'Aution	90.04 328	iP	P	22 35 08.8	-0.7
TOUF	Mont Tournera	90.11 328	iP	P	22 35 10.3	-0.5
SBF	Sospel	90.15 328	iP	P	22 35 10.3	-0.7
comp=Z,6.11nm,1.0s,mb6.6						
MVIF	Mont Vial	90.24 328	iP	P	22 35 10.8	-0.6
SGMF	Saint Gilles	90.26 336	iP	P	22 35 11.6	+0.2
comp=Z,5.16nm,1.1s,mb6.1						
TCF	Touls Ste Croi	90.26 333	iP	P	22 35 11.6	+0.1
comp=Z,4.67nm,1.3s,mb6.3						
REV	Revere	90.28 328	iP	P	22 35 11.0	-0.6
ROSP	Rostrenen	90.42 337	iP	P	22 35 12.4	+0.3
comp=Z,6.06nm,1.2s,mb6.1						
SOI	Samo	90.46 319	eP	P	22 35 13.0	+0.4
VIVF	Saint-Julien-I	90.49 330	iP	P	22 35 12.5	-0.1
PGF	Pioggiola	90.50 326	iP	P	22 35 12.2	-0.5
FRF	La Foret Royal	90.73 328	iP	P	22 35 12.9	-0.8
comp=Z,5.86nm,1.2s,mb6.5						
LBL	Lubliac	90.75 331	iP	P	22 35 15.3	+1.5
QUI	Quistinic	90.75 336	iP	P	22 35 13.6	-0.1
comp=Z,3.82nm,1.3s,mb6.3						
SMRF	Simiane la Rot	90.84 329	iP	P	22 35 14.1	-0.1
WMOK	Wichita Mouna	90.84 45	eP	P	22 35 14.6	+0.1
comp=Z,3.90nm,1.3s,mb6.3						
WMOK	Wichita Mouna	90.84 45	eP	P	22 35 14.4	-0.1
comp=Z,2.29nm,1.4s,mb6.3						
WMOK			LR	LR		
MFF	Saint Martin d	90.86 334	iP	P	22 35 14.6	+0.3
comp=Z,6.43nm,1.0s,mb6.6						
FRNF	Fournoi	90.89 332	eP	P	22 35 14.8	+0.4
LMR	La Moire	90.97 328	iP	P	22 35 14.3	-0.6
comp=Z,7.50nm,1.1s,mb6.6						
RJHF	La Chataignera	91.01 334	eP	P	22 35 15.6	+0.6
LCHF	Les Rejaudoux	91.35 332	iP	P	22 35 16.9	+0.3
comp=Z,5.51nm,1.1s,mb6.5						
RJF			eR			
comp=Z,3.1m,19.0s						
LRYF	La Roche-sur-Y	91.37 335	eP	P	22 35 16.8	+0.2
CAF	Calviac	91.46 332	iP	P	22 35 17.8	+0.7
comp=Z,5.39nm,1.1s,mb6.1						
LASF	Ste Croix	91.47 330	iP	P	22 35 17.3	+0.2
comp=Z,5.14nm,1.2s,mb6.4						
MTX	Mathat	91.57 334	eP	P	22 35 17.6	0.0
LATF	Lajitas	91.62 52	eP	P	22 35 19.0	+0.8
comp=Z,2.97nm,1.0s,mb6.1						
LTX	Lajitas	91.62 52	eP	P	22 35 18.8	+0.6
comp=Z,9.7nm,1.0s,mb6.1						
LTX			LR	LR		
TXAR	Lajitas Array	91.62 52	eP	P	22 35 19.0	+0.8
comp=Z,4.2nm,0.9s,mb5.8,baz=28S,slow=4.0,SNR=102						
TXAR			PKPK	PKPK	22 40 10.4	
TXAR			PKPKPbc	PKPKPbc	22 40 10.4	
TXAR			PKPK	PKPK	23 11 34.3	
LFF	La Frestale	91.95 333	iP	P	22 35 19.9	+0.6
comp=Z,2.2m,20.9s,M55.6,baz=30S,slow=32						
CCM	Cathedral Cave	92.48 38	eP	P	22 35 21.6	-0.3
comp=Z,8.2nm,1.0s,mb6.0						
CCM	Cathedral Cave	92.48 38	eP	P	22 35 21.4	-0.6
comp=Z,8.2nm,1.0s,mb6.0						
CCM			LR	LR		
SLM	Saint Louis	92.53 37	P	P	22 35 20.4	-1.8
comp=Z,4.18nm,22.0s,M54.8						
SLM			pmax	pmax		
SLM			pmax	pmax		
SLM	Saint Louis	92.53 37	P	P	22 35 21.8	-0.4
AAM	Ann Arbor	92.62 31	eP	P	22 35 23.3	+0.8
AAM			pmax	pmax		
AAM	Ann Arbor	92.62 31	eP	P	22 35 22.3	-0.2
comp=Z,1.60nm,1.4s,mb6.3						
AAM			LR	LR		
AAM	Ann Arbor	92.62 31	eP	P	22 35 22.3	+0.3
comp=Z,2.2m,22.0s,M55.5						
MTLF	Montleju	92.73 331	iP	P	22 35 23.3	+0.3
comp=Z,2.29nm,1.1s,mb6.6						
FVM	French Village	92.94 38	P	P	22 35 23.9	-0.2
comp=Z,1.00nm,1.4s,mb6.0						

FVW	French Village	92.94 38	eP	P	22 35 23.7	-0.4
comp=Z,1.00nm,1.4s,mb6.0						
LRDF	Laroque-de-Fa	92.94 330	iP	P	22 35 24.5	+0.5
SJAF	Saint Jean de	93.19 330	eP	P	22 35 24.8	-0.3
LPFE	Le Peyral	93.19 331	eP	P	22 35 25.5	+0.4
JCT	Junction City	93.25 49	eP	P	22 35 26.3	+0.6
comp=Z,80nm,0.8s,mb6.2						
JCT	Junction City	93.25 49	eP	P	22 35 25.6	-0.1
comp=Z,80nm,0.8s,mb6.2						
JCT			LR	LR		
FILE	Filloles	93.25 330	iP	P	22 35 25.6	+0.2
MLS	Mouils	93.50 331	eP	P	22 35 26.8	+0.3
WALF	Wals-boillere	93.60 331	eP	P	22 35 27.7	+0.8
MELF	Melles	93.70 332	eP	P	22 35 27.3	-0.1
EPF	Esparrros	93.73 332	iP	P	22 35 27.3	-0.2
comp=Z,184nm,1.1s,mb6.1						
BLO	Bloomington	93.89 35	P	P	22 35 28.6	+0.3
comp=Z,210nm,1.7s,mb6.3						
BLO	Bloomington	93.89 35	eP	P	22 35 28.3	0.0
comp=Z,210nm,1.7s,mb6.3						
MIAR	Mount Ida	93.91 42	eP	P	22 35 31.8	+3.3
comp=Z,180nm,1.2s,mb6.4						
MIAR	Mount Ida	93.91 42	eP	P	22 35 28.5	-0.1
comp=Z,159nm,1.1s,mb6.4						
MIAR			LR	LR		
MIAR			LR	LR		
RESF	Ens	93.92 332	iP	P	22 35 29.6	+1.2
VEIF	Vief	93.98 332	iP	P	22 35 29.5	+0.9
ETSF	Etsaut	94.19 332	iP	P	22 35 30.3	+0.7
comp=Z,140nm,0.9s,mb2.1						
POI	Presque Isle	94.22 19	P	P	22 35 40.0	+1.0
comp=Z,8.2m,22.0s,M56.1						
LARF	Larrou	94.23 333	iP	P	22 35 30.8	+1.1
SJPF	Ste Jean	94.25 333	iP	P	22 35 30.4	+0.6
comp=Z,85nm,1.1s,mb5.8						
ERPA	Erie	94.28 29	eP	P	22 35 29.9	0.0
comp=Z,1.69nm,1.4s,mb6.3						
ERPA			LR	LR		
PARMO	Parma	94.31 38	eP	P	22 35 30.1	-0.1
GENY	Geneseo	94.55 27	eP	P	22 35 31.0	-0.3
ALLY	Allegnyh Cole	94.61 29	eP	P	22 35 31.8	+0.3
ACSO	Alum Creek Sta	94.62 32	eP	P	22 35 31.6	0.0
comp=Z,9.7nm,0.9s,mb6.2						
ACSO			LR	LR		
GNAR	Harrisburg	94.70 40	eP	P	22 35 32.5	+0.4
HBAR	Gosnell	94.71 39	eP	P	22 35 33.0	+0.8
WYDI	Wyandotte Cave	94.76 35	eP	P	22 35 32.4	+0.1
comp=Z,4.7nm,0.9s,mb5.9						
WCI	Wyandotte Cave	94.76 35	eP	P	22 35 32.2	-0.1
comp=Z,4.7nm,0.9s,mb5.9						
WCI			LR	LR		
NCB	Newcomb	94.78 24	eP	P	22 35 32.1	-0.2
comp=Z,4.6nm,1.0s,mb5.9						
NCB			LR	LR		
MIW	Mineville	94.92 24	eP	P	22 35 32.2	-0.7
NATX	Nacodogoches	95.37 46	eP	P	22 35 35.2	0.0
comp=Z,5.3nm,1.1s,mb5.9						
NATX			LR	LR		
ACCN	Adirondack Com	95.48 24	eP	P	22 35 35.5	0.0
EBR	Ebro Roquetes	95.55 331	eP	P	22 35 36.0	+0.2
HNH	Hanover	95.65 23	eP	P	22 35 37.1	+0.9
comp=Z,2.3nm,0.9s						
WVL	Waterville	95.68 21	eP	P	22 35 36.9	+0.5
comp=Z,4.75nm,1.4s,mb6.7						
WVL			LR	LR		
WVL			LR	LR		
WVT	Waverly	95.69 37	eP	P	22 35 36.4	-0.2
comp=Z,4.2m,21.0s,M55.9						
WVT			pmax	pmax		
WVT			pmax	pmax		
WVT			eP	P	22 35 36	





Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like NVAR Mina Array, MIAR Mount Ida, CPCT Cooper Cave, etc.

BER 10:22:55:15.2-4.4, 78.44Nk, 7.08E, MD2.7, ML3.0, ML2.6(NAO)
CSEM 10:22:55:15.2-0.9, 78.56Nk, 6.95E, h2km, ML3.0, Error ellipse: s-maj=22.5km s-min=8.0km az=109.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KBS Kingsbay, SPA0 Spitsbergen Ar, HSP Hornsund, etc.

WEL 10:22:56:36.2-0.5, 39.72S-179.92E, h33km, ML4.2/17, Error ellipse: s-maj=47.7km s-min=2.3km az=90.0, East of North Island

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KNZ Kokohu, PUK Puketiti, MWZ Matawai, etc.

IDC 10:22:57:15.3-7.0, 9.85N-92.29E, mb3.4/3, mb1 3.6/3, mb1mx3.3/19, mbtmp3.4/3, Error ellipse: s-maj=357.9km s-min=28.5km az=60.0, Nicobar Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, WRA Warramunga Arr, etc.

IDC 10:22:59:00.1-1.5, 1.32S-99.36E, mb4.3/10, mb1 4.4/11, mb1mx4.2/18, mbtmp4.2/11, ML4.6/1, Error ellipse: s-maj=74.7km s-min=14.7km az=55.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, WRA Warramunga Arr, etc.

Table with columns: TXAR, Lajitas Array, 144.55 36 PKHP, 23 18 33.0, etc.

IDC 10:23:00:25.7-2.6, 0.81S-98.37E, mb4.0/6, mb1 4.1/7, mb1mx3.8/18, mbtmp3.9/7, ML4.1/1, Error ellipse: s-maj=105.0km s-min=20.3km az=57.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, WRA Warramunga Arr, etc.

IDC 10:23:05:49.9-5.2, 1.06S-100.53E, mb3.7/4, mb1 3.9/4, mb1mx3.6/16, mbtmp3.7/4, Error ellipse: s-maj=273.4km s-min=24.0km az=54.0, Southern Sumatra

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, MKAR Makanchi Array, etc.

IDC 10:23:11:45.8-2.3, 1.71S-99.61E, mb3.7/8, mb1 3.9/8, mb1mx3.7/18, mbtmp3.8/8, Error ellipse: s-maj=104.2km s-min=18.0km az=57.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, CMAR Chiang Mai Arr, etc.

IDC 10:23:11:50.5-0.8, 1.65S-99.68E, h30km, mb4.1/2, Error ellipse: s-maj=33.3km s-min=10.6km az=64.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, CMAR Chiang Mai Arr, etc.

IDC 10:23:12:43.5-2.6, 1.84S-99.33E, mb3.7/6, mb1 3.9/6, mb1mx3.7/18, mbtmp3.8/6, Error ellipse: s-maj=104.9km s-min=25.4km az=56.0, Southern Sumatra

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, WRA Warramunga Arr, etc.

IDC 10:23:15:05.3-4.1, 1.79S-99.53E, mb3.7/3, mb1 3.9/3, mb1mx3.4/17, mbtmp3.7/3, Error ellipse: s-maj=167.2km s-min=87.9km az=70.0, Southern Sumatra

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SONM Songoing Array, MKAR Makanchi Array, etc.

IDC 10:23:19:30.6-2.9, 6.83N-93.40E, mb3.6/2, mb1 3.9/3, mb1mx3.4/20, mbtmp3.6/3, ML3.6/1, MS4.1/1, Ms1 4.1/11, ms1mx3.0/34, Error ellipse: s-maj=93.8km s-min=30.7km az=64.0, Nicobar Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, MKAR Makanchi Array, etc.

ISC 10:23:27:33.0-0.8, 1.45S-0.1999E, 0.2, h33km, n21, s-f102/17, mb4.2/15, Southern Sumatra

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, CMAR Chiang Mai Arr, etc.

IDC 10:23:28:15.1-1.1, 1.63S-99.72E, mb4.3/9, mb1 4.4/10, mb1mx4.1/19, mbtmp4.2/10, ML4.0/1, Error ellipse: s-maj=86.3km s-min=15.4km az=56.0

NEIC 10:23:28:20.1-1.2, 1.55S-99.92E, h30km, mb4.6/2, Error ellipse: s-maj=60.3km s-min=11.7km az=56.0

ISC 10:23:28:20.2-1.5, 1.35S-0.3, 100.3E-0.4, h33km, n15, s-f100/12, mb4.3/11, Southern Sumatra

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, FITZ Fitzroy Crossi, etc.

IDC 10:23:30:56.9-18.0, 36.55N-72.42E, h221km, 114km, mb3.2/5, mb1 3.5/8, mb1mx3.2/23, mbtmp3.9/8, Error ellipse: s-maj=159.9km s-min=29.1km az=180.0

NIC 10:23:31:09.1-6.8, 37.67N, 72.24E, h244km, 288km, mpv3.8, Error ellipse: s-maj=80.7km s-min=32.0km az=177.0

ISC 10:23:31:01.2-1.1, 37.03N-0.07, 72.4E-0.2, h250km, n11km, n23, s-f98/26, mb3.3/5, 2C-4D, Tajikistan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like AML Almayashu, UCH Uchtar, etc.

IDC 10:23:32:45.1-2.4, 35.88N-141.42E, mb3.7/4, mb1 3.9/5, mb1mx3.5/24, mbtmp3.75, ML3.4/1, MS3.1/1, Ms1 3.1/1, ms1mx2.8/40, Error ellipse: s-maj=61.1km s-min=23.4km az=6.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like JMA Jma Feit Jct, JMA Feit Jct, etc.

IDC 10:23:42:53.7-0.8, 35.67N-0.05, 140.76E-0.10, h59km, 62km, n16, s-f90/20, mb3.6/4, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CHOI Chosi, JCN Nagara, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BSO3, JHO, BSO1, JADG, etc.

IDC 10 23:54:59.6: 1.6, 1.70S:99.68E, mb3.8/10, mb1 4.0/10, mb1mx3.8/18, mbtmp3.8/10, Error ellipse: s-maj=77.5km s-min=16.6km az=56.0

NEIC 10 23:55:03.9: 0.7, 1.72S:99.66E, h30km, mb4.1/1, Error ellipse: s-maj=27.0km s-min=9.0km az=63.0

ISC 10 23:55:02.8: 1.0, 1.6S:0.1, 99.7E:2.0, h33km, n14, o#877/12, mb3.9/10, Southern Sumatara

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

IDC 10 23:59:36.7: 3.5, 3.23S:97.55E, mb3.8/3, mb1 4.1/3, mb1mx3.5/17, mbtmp3.9/3, Error ellipse: s-maj=151.8km s-min=64.3km az=73.0, Southwest of Sumatara

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

IDC 11 00:04:53.1: 50.0, 17.09S:179.48W, mb4.0/3, mb1 4.2/3, mb1mx3.7/16, mbtmp4.0/3, Error ellipse: s-maj=902.3km s-min=154.7km az=77.0, Fiji Islands region

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

IDC 11 00:07:37.3: 3.7, 1.50S:100.05E, mb3.7/5, mb1 3.9/5, mb1mx3.7/17, mbtmp3.7/5, Error ellipse: s-maj=163.9km s-min=22.2km az=56.0, Southern Sumatara

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

IDC 11 00:10:18.6: 94.0, 46.49S:96.60E, mb3.9/3, mb1 4.1/3, mb1mx3.9/13, mbtmp3.9/3, MS3.5/1, Ms1 3.5/1, ms1mx2.9/26, Error ellipse: s-maj=1646.0km s-min=152.6km az=70.0, Southeast Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NWA0, STKA, ASAR, WRA, etc.

BJI 11 00:14:35.2: 2.58S:99.66E, h30km, mb5.0, mb4.7, Ms4.5, Ms2.4

IDC 11 00:14:38.1: 0.6, 1.72S:99.59E, mb3.8/15, mb1 4.4/15, mb1mx4.3/20, mbtmp4.3/15, MS3.8/1, Ms1 3.8/1, ms1mx3.1/29, Error ellipse: s-maj=24.1km s-min=13.5km az=51.0

NEIC 11 00:14:42.5: 0.4, 1.65S:99.64E, h30km, mb4.6/8, Error ellipse: s-maj=17.4km s-min=9.4km az=61.0

ISC 11 00:14:41.3: 0.4, 1.68S:0.07, 99.64E:0.09, h33km, (h27km, 7.9km: p-P), n44, o#124/40, mb4.5/26, MS4.1/3, 3C-4D, Southern Sumatara

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

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

IDC 11 00:24:35.0: 7.4, 0.95S:100.85E, mb3.7/3, mb1 3.9/3, mb1mx3.4/17, mbtmp3.7/3, Error ellipse: s-maj=368.8km s-min=29.0km az=53.0, Southern Sumatara

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

IDC 11 00:27:30.3: 0.5, 1.55S:99.56E, mb4.2/14, mb1 4.3/15, mb1mx4.2/20, mbtmp4.2/15, ML 4.6/1, Error ellipse: s-maj=24.3km s-min=13.6km az=52.0

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

NEIC 11 00:27:34.8: 0.3, 1.60S:99.60E, h30km, mb4.9, mb4.6, Ms4.1, Ms2.7

NEIC 11 00:27:34.8: 0.3, 1.58S:99.60E, h30km, mb4.5/5, Error ellipse: s-maj=11.2km s-min=6.4km az=58.0

ISC 11 00:27:29.9: 2.6, 1.59S:0.07, 99.6E:0.1, h8km, 16km, n39, o#79/35, mb4.3/21, MS3.8/2, 2C-4D, Southern Sumatara

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

IDC 11 00:27:29.9: 2.6, 1.59S:0.07, 99.6E:0.1, h8km, 16km, n39, o#79/35, mb4.3/21, MS3.8/2, 2C-4D, Southern Sumatara

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

IDC 11 00:27:29.9: 2.6, 1.59S:0.07, 99.6E:0.1, h8km, 16km, n39, o#79/35, mb4.3/21, MS3.8/2, 2C-4D, Southern Sumatara

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

IDC 11 00:27:29.9: 2.6, 1.59S:0.07, 99.6E:0.1, h8km, 16km, n39, o#79/35, mb4.3/21, MS3.8/2, 2C-4D, Southern Sumatara

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

IDC 11 00:27:29.9: 2.6, 1.59S:0.07, 99.6E:0.1, h8km, 16km, n39, o#79/35, mb4.3/21, MS3.8/2, 2C-4D, Southern Sumatara

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

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

IDC 11 00:27:29.9: 2.6, 1.59S:0.07, 99.6E:0.1, h8km, 16km, n39, o#79/35, mb4.3/21, MS3.8/2, 2C-4D, Southern Sumatara

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

IDC 11 00:27:29.9: 2.6, 1.59S:0.07, 99.6E:0.1, h8km, 16km, n39, o#79/35, mb4.3/21, MS3.8/2, 2C-4D, Southern Sumatara

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

IDC 11 00:27:29.9: 2.6, 1.59S:0.07, 99.6E:0.1, h8km, 16km, n39, o#79/35, mb4.3/21, MS3.8/2, 2C-4D, Southern Sumatara

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

IDC 11 00:27:29.9: 2.6, 1.59S:0.07, 99.6E:0.1, h8km, 16km, n39, o#79/35, mb4.3/21, MS3.8/2, 2C-4D, Southern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CM31, CMAR, FITZ, etc.

IDC 11 00:27:29.9: 2.6, 1.59S:0.07, 99.6E:0.1, h8km, 16km, n39, o#79/35, mb4.3/21, MS3.8/2, 2C-4D, Southern Sumatara

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

IDC 11 00:27:29.9: 2.6, 1.59S:0.07, 99.6E:0.1, h8km, 16km, n39, o#79/35, mb4.3/21, MS3.8/2, 2C-4D, Southern Sumatara

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

IDC 11 00:27:29.9: 2.6, 1.59S:0.07, 99.6E:0.1, h8km, 16km, n39, o#79/35, mb4.3/21, MS3.8/2, 2C-4D, Southern Sumatara

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

IDC 11 00:27:29.9: 2.6, 1.59S:0.07, 99.6E:0.1, h8km, 16km, n39, o#79/35, mb4.3/21, MS3.8/2, 2C-4D, Southern Sumatara

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













Table with columns: Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like Ulanbaatar, Erkin-Say, USP, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like ATH, THE, ISC, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like CMAR, SOMN, MKAR, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like SNASN, HLW, CSEM, etc.

NIED 11 03:03:00, 35.70N, 140.70E, h50km, Mw3.8 Best double

couple: M6.26x10^14 Np1\_05^1, delta\_73, lambda\_85. NP2\_phi\_197, delta\_81, lambda\_105. JMA 11 03:03:46.3, 0.1, 35.74N, 140.69E, h48km, 1km, M3.4

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like CHOU, JCN, JYT, etc.

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

ISC 11 03:12:10.3, 2.0, 1.71S, 99.53E, mb4.0/7, mb1 4.2/7, mb1mx3.9/18, mbtmp4.0/7, MS3.0/1, Ms1 3.2/1, ms1mx2.8/26, Error ellipse: s-maj=88.2km s-min=20.0km az=56.0

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

ISC 11 03:19:02.6, 5.4, 0.33S, 101.58E, mb3.4/3, mb1 3.6/3, mb1mx3.4/18, mbtmp3.4/3, Error ellipse: s-maj=301.1km s-min=29.9km az=53.0, Southern Sumatera

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

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

Table with columns: Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like SOMN, STKA, etc.

ISC 11 03:28:58.3, 4.6, 3.34S, 97.13E, mb3.6/2, mb1 3.6/2, mb1mx3.3/18, mbtmp3.6/2, Error ellipse: s-maj=187.9km s-min=76.6km az=66.0, Southwest of Sumatera

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

ISC 11 03:30:21.1, 0.7, 27.20N, 44.47W, mb3.8/12, mb1 4.0/12, mb1mx3.8/26, mbtmp3.8/12, MS3.8/4, Ms1 3.8/4, ms1mx3.4/19, Error ellipse: s-maj=24.0km s-min=17.3km az=110.0

ISC 11 03:30:20.4, 0.5, 27.18N, 44.41W, h10km, mb4.1/4, Error ellipse: s-maj=13.1km s-min=8.8km az=103.0

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

ISC 11 03:33:17.0, 0.7, 0.79N, 97.49E, mb4.1/13, mb1 4.3/14, mb1mx4.1/23, mbtmp4.1/14, ML4.2/1, Error ellipse: s-maj=30.8km s-min=14.5km az=52.0

ISC 11 03:33:21.5, 0.5, 0.77N, 97.51E, h30km, mb4.3/5, Error ellipse: s-maj=14.2km s-min=8.4km az=64.0

ISC 11 03:33:20.2, 0.6, 0.79N, 108.97E, 0.1, h33km, n23, 0.64/22, mb4.2/17, Northern Sumatera

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like KULM, CM31, etc.

ISC 11 03:42:07.3, 4.5, 0.93N, 123.78E, h284km, 50km, mb3.7/13, mb1 3.8/14, mb1mx3.7/22, mbtmp4.1/4, Error ellipse: s-maj=24.9km s-min=11.8km az=70.0

ISC 11 03:42:06.9, 4.1, 0.90N, 108.123E, 0.1, h298km, 46km, n34, 0.070/34, mb4.1/26, Minahasa Peninsula, Sulawesi

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





11d 6h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KURK Kurchatov, CMAR Chiang Mai Arr, INK Inuvik, HNR Honiara, YKA Yellowknife Arr, etc.

IDC 11 05:35:58.42.2.2.57N-95.88E, mb4.0/5, mb1.4/1/6, mb1mx3.8/20, mbtmp4.0/6, ML4.1/1, Error ellipse: s-maj=108.8km s-min=21.1km az=61.0

NEIC 11 05:36:03.0.0.5.55N-95.97E, h30km, mb4.5/10, Error ellipse: s-maj=7.7km s-min=6.9km az=48.0

ISC 11 05:36:01.0.0.2.6N.0.1.193.0E.0.1, h30km, n20, o#653/20, mb4.4/15, Off west coast of northern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KULM Kulim, CMAR Chiang Mai Arr, JIRN Jiri, PKI Pulchoki, DMN Daman, GUN Gumba, etc.

IDC 11 05:37:41.9.0.6.1.73S-99.63E, mb4.3/14, mb1.4/5/14, mb1mx4.4/20, mbtmp3.3/14, Error ellipse: s-maj=24.0km s-min=13.8km az=52.0

NEIC 11 05:37:46.2.0.3.1.75S-99.66E, h30km, mb4.6/3, Error ellipse: s-maj=12.8km s-min=7.5km az=64.0

ISC 11 05:37:44.9.0.5.1.71S.0.08-99.7E.0.1, h33km, n30, o#80/21, mb4.4/16, Southern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KULM Kulim, CMAR Chiang Mai Arr, SHL Shillong, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

MAN 11 05:37:56.8.7.96N-124.70E, h31km, mb4.4, ML3.2, MS3.0, 1C, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BUKP Musuan, CGP Cagayan de Oro.

2005 APR

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CGP Pagadian, IDC 11 05:44:42.8.1.3, 1.4.99S-173.79W, etc.

IDC 11 05:42:49.5.1.0.2.61N.0.2.46.1N.0.4.72W, mb3.6/4, mb1.3/9/4, mb1mx3.5/23, mbtmp3.6/4, Error ellipse: s-maj=350.6km s-min=52.9km az=167.0, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SPN Mys Shiphunski, KII Karymskiy, etc.

KRSC 11 06:03:40.9.0.7.53.67N-160.89E, h40km, ML3.9, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SPN Mys Shiphunski, KII Karymskiy, NLC Nalytchevo, etc.

IDC 11 06:06:11.6.0.6.1.79S-99.74E, mb4.2/16, mb1.4/4/16, mb1mx4.2/22, mbtmp4.3/16, Error ellipse: s-maj=26.9km s-min=13.1km az=51.0

BUI 11 06:06:13.5.2.33S-99.83E, h50km, mb4.9, mb4.7, Ms5.2, Error ellipse: s-maj=14.3km s-min=6.0km az=55.0

NEIC 11 06:06:16.1.0.3.1.82S-99.77E, h30km, mb4.7/7, Error ellipse: s-maj=14.3km s-min=6.0km az=55.0

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

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GUN Gumba, DMN Daman, KAKAN Kakani, etc.

IDC 11 06:09:34.1.1.5.23.54S-175.13W, h32km, mb4.3/7, mb1.4/6/7, mb1mx4.2/16, mbtmp4.5/7, Error ellipse: s-maj=92.7km s-min=16.8km az=157.0

NEIC 11 06:09:34.7.0.7.23.01S-175.27W, Error ellipse: s-maj=23.8km s-min=12.3km az=158.0

ISC 11 06:09:32.0.7.22.8S.0.1.175.2W.0.1, h33km, (h31km), 3, 7km: p-P, n20, e1943/19, mb4.6/10, 1D, Tonga

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

IDC 11 06:09:34.1.1.5.23.54S-175.13W, h32km, mb4.3/7, mb1.4/6/7, mb1mx4.2/16, mbtmp4.5/7, Error ellipse: s-maj=92.7km s-min=16.8km az=157.0

NEIC 11 06:09:34.7.0.7.23.01S-175.27W, Error ellipse: s-maj=23.8km s-min=12.3km az=158.0

ISC 11 06:09:32.0.7.22.8S.0.1.175.2W.0.1, h33km, (h31km), 3, 7km: p-P, n20, e1943/19, mb4.6/10, 1D, Tonga

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











11d 6h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ULDT, MANT, PET, etc.

2005 APR

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PUL, VYHNE, BILIBINO, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like VYHNE, BILIBINO, TSUM, etc.







0.1nm,0.3s,baz=185,slow=11,SNR=16
CMAR Chiang Mai Arr 17.98 12N P
ZAL Zalesovo 23.54 1 P
SONM Songoing Array 24.42 38 P
BVAR Borovoye Array 24.74 340 P
YKA Yellowknife Arr 86.9 9 P

ISK 11 07:40:36.7, 39.60N, 27.83E, h15km, MD3.4
NEIC 11 07:40:36.9, 39.62N, 27.83E, h15km, MD3.5(A/H),
ML3.4(ISK), After ISK.
CSEM 11 07:40:36.0, 39.60N, 27.83E, h15km, MD3.5, Error
s-maj=1.2, s-min=1.1, km az=78.0

ATH 11 07:40:38.5, 39.70N, 27.70E, h17km, MD3.5/3
ISC 11 07:40:37.2-0.3, 39.61N-0.02, 27.84E-0.02, h15km, n78,
o=88/96, 6C-2D, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, Time, Res, ISC. Lists various stations like BALB, BNT, EDC, etc.

ISC 11 07:49:37.4-2.1, 0.9S-100.35E, mb3.6/4, mb1 3.8/4,
mb1mx3.2/17, mbtmp3.3/2, Error ellipse:
s-maj=239.4km s-min=26.2km az=54.0, Southern
Sumatera

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

ISC 11 07:51:04.6-2.9, 1.83S-99.56E, mb3.7/6, mb1 3.9/6,
mb1mx3.7/18, mbtmp3.7/6, Error ellipse:
s-maj=120.2km s-min=21.1km az=58.0, Southern
Sumatera

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

IDC 11 07:51:35.5-7.3, 4.1, 75S, 174.54E, h28km, 46km, mb4.4/4,
mb1 4.8/7, mb1mx4.4/14, mbtmp4.9/7, ML3.1/3, MS3.3/1,
Ms1 3.3/1, ms1mx2.8/23, Error ellipse: s-maj=46.1km
s-min=20.7km az=148.0
NEIC 11 07:51:36.1-1.1, 4.1, 72S, 174.56E, h34km, 7km, mb4.9/2,
Error ellipse: s-maj=14.1km s-min=8.0km az=136.0
NEIC Felt at Wellington and in northern parts of the ML4/8 Island.

WEL 11 07:51:37.5-0.1, 4.1, 65S, 174.55E, h35km, ML4/8, Error
Intensity MM 5.
WEL Felt from Wanganui to Marlborough, and from Nelson to
Wellington, maximum.
ISC 11 07:51:35.3-0.3, 4.1, 78S, 0.02, 174.58E-0.03, h49km, 3km,
n92, c111/132, mb4.5/5, 9C-26D, Cook Strait

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, Time, Res, ISC. Lists stations like CMWZ, BHW, SNZO, etc.

ISC 11 08:16:43.9-7.9, 1.43S-99.63E, mb3.3/2, mb1 3.4/2,
mb1mx3.2/17, mbtmp3.3/2, Error ellipse:
s-maj=466.2km s-min=33.9km az=54.0, Southern
Sumatera

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

IDC 11 08:19:01.8-0.6, 1.55N-0.09, 96.9E-0.1, h25km,
ISC 11 08:19:01.8-0.6, 1.55N-0.09, 96.9E-0.1, h25km,
coast of northern Sumatera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, Time, Res, ISC. Lists stations like KULM, CMAR, WRA, etc.

8.9nm, 0.4s, mb4.9, baz=127, slow=8.2, SNR=80
FITZ Fitzroy Crossi 47.76 284 P
FITZ Fitzroy Crossi 47.76 284 P
YKA Yellowknife Arr 118.28 30 PKP
MKAR Makanchi Array 120.19 307 PKP
ARCES ARCES Array B 147.89 340 PKPbc
BRTR Keskin Array B 150.51 279 PKPbc
FINES Fines Array B 152.69 327 PKPbc
FINES Fines Array B 152.69 327 PKPbc

IDC 11 08:09:19.5-1.5, 54.07N, 87.46E, mb2.8/1, mb1 3.2/3,
mb1mx3.1/24, mbtmp3.1/23, ML3.2/2, Error ellipse:
s-maj=15.7km s-min=13.8km az=179.0, Southwestern
Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, Time, Res, ISC. Lists stations like ZAL, MKAR, BVAR, etc.

WEL 11 08:16:13.0-1.0, 4.1, 65S, 174.54E, h34km, ML4/11,
6C-15D, Error ellipse: s-maj=0.6km s-min=0.5km az=0.0,
Cook Strait

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, Time, Res, ISC. Lists stations like CMWZ, BHW, SNZO, etc.

IDC 11 08:16:43.9-7.9, 1.43S-99.63E, mb3.3/2, mb1 3.4/2,
mb1mx3.2/17, mbtmp3.3/2, Error ellipse:
s-maj=466.2km s-min=33.9km az=54.0, Southern
Sumatera

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

IDC 11 08:19:01.8-0.6, 1.48N-96.81E, h24km, 3km, mb4.0/12,
mb1 4.0/13, mb1mx3.9/22, mbtmp4.1/13, ML4.3/1, Error
ellipse: s-maj=29.3km s-min=13.6km az=50.0
NEIC 11 08:19:03.8-0.5, 1.55N-96.89E, mb4.2/2, Error ellipse:
s-maj=13.1km s-min=8.8km az=55.0

ISC 11 08:19:01.8-0.6, 1.55N-0.09, 96.9E-0.1, h25km,
ISC 11 08:19:01.8-0.6, 1.55N-0.09, 96.9E-0.1, h25km,
coast of northern Sumatera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, Time, Res, ISC. Lists stations like KULM, CMAR, WRA, etc.



1.1nm,0.7s,baz=180,slow=3.8,SNR=1.3  
 ARCES ARCES Array B 82.11 340 P 08 31 22.2 +0.8  
 3.9nm,1.1s,mb4.3,baz=80,slow=5.5,SNR=3.6  
 ARCES pP 08 31 29.4 +0.1  
 3.0nm,0.9s,baz=104,slow=5.0,SNR=1.8

NIED 11 08:28:00.22.70N,121.50E,h35km,Mw4.3 Best double  
 couple: M<sub>33</sub>5.3x10<sup>15</sup> NP1<sub>9</sub>194°,δ47°,λ102°. NP2:  
 ρ=358°,δ45°,λ78°.

JMA 11 08:28:11.1,0.4,22.71N,121.53E,M4.6  
 BUI 11 08:28:12.5,22.81N,121.31E,h19km,mb4.6,mb4.5,  
 ML4.4,M4.3,M4.0

TAP 11 08:28:13.0,22.87N,121.29E,h20km,ML4.7  
 TAP Feit I J at Taitung, I J at Pinglin, I J at Chengkung, I J  
 at Lidau, I J at Taimali, I J at Tanyuan, I J at Sandimen, I  
 J at Lanyu.

NEIC 11 08:28:13.5,22.89N,121.27E,h16km,mb4.3/9,  
 NEIC Recorded [3 TAP] in Tai-tung and [1 TAP] in Kao-hsiung  
 and Ping-tung Counties.

IDC 11 08:28:14.8,4.8,22.79N,121.48E,h35km,39km,63/9,18,  
 mb1 4.1/20,mb1mx4.0/28,mbmp4.2/20,ML4.0/1,Error  
 ellipse: s-maj=19.5km s-min=12.1km az=62.0

ISC 11 08:28:13.0,3.2,22.79N,0.02,121.37E,0.2,h25km,2km,  
 n118,ϕ123/166,mb4.2/26,MS4.3/1,12C-6D,Taiwan  
 region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
TTN	Taitung	0.20	261	Op	08 28 18.8	+0.1
TTN	Taitung			Sb	08 28 22.5	+0.1
TWG	Pinlang	0.27	277	Op	08 28 18.8	-0.8
TWG	Pinlang			Sb	08 28 21.4	-0.8
CHKT	Chengkung	0.31	0	Op	08 28 19.7	-0.4
CHKT	Chengkung			Sb	08 28 24.1	-0.9
ECL	Taimali	0.42	244	Op	08 28 21.8	-0.1
ECL	Taimali			Sb	08 28 27.4	-0.6
ELDTW	Lidau	0.51	321	Op	08 28 21.4	-1.4
ELDTW	Lidau			Sb	08 28 27.4	-3.0
TWF1	Yuli	0.56	354	Op	08 28 23.3	-1.0
TWF1	Yuli			Sb	08 28 30.1	-1.7
TAW	Tawu	0.61	225	Op	08 28 25.3	+0.3
TAW	Tawu			Sb	08 28 33.8	+0.7
EAST	Anshuo	0.62	230	Op	08 28 25.3	+0.4
EAST	Anshuo			Sb	08 28 32.8	-0.7
STYT	Tanyuan	0.67	304	Op	08 28 25.0	-1.0
STYT	Tanyuan			Sb	08 28 33.0	-2.0
SSD	Sandimen	0.68	267	Op	08 28 25.4	-0.2
SSD	Sandimen			Sb	08 28 32.7	-2.4
EHY	Hungye	0.72	357	Op	08 28 27.7	+1.1
EHY	Hungye			Sb	08 28 37.3	+1.2
LAY	Lanyu	0.77	167	Op	08 28 28.7	+1.2
LAY	Lanyu			Sb	08 28 40.6	+3.0
SGST	Jiashian	0.78	292	Op	08 28 27.6	-0.2
SGST	Jiashian			Sb	08 28 37.0	-0.9
YUS	Yu-Shan	0.80	332	Op	08 28 35.9	-2.5
YUS	Yu-Shan			Sb	08 28 44.3	-2.5
SCZT	Fangliu	0.80	239	Op	08 28 28.4	+0.3
SGLT	Jiouru	0.81	266	Op	08 28 29.1	+0.8
WTP	Ta-pu	0.83	304	Op	08 28 28.3	-0.3
WTP	Ta-pu			Sb	08 28 37.9	+1.1
CHN1	Nanshi	0.87	297	Op	08 28 29.2	0.0
CHN1	Nanshi			Sb	08 28 41.1	+0.7
TWM1	Shoushan	0.87	273	Op	08 28 30.3	+1.0
ALS	Alishan	0.89	324	Op	08 28 29.1	-0.5
ALS	Alishan			Sb	08 28 38.8	-2.1
ALN4	Tsaushan	0.91	308	Op	08 28 29.2	+0.2
CHN4	Chn4	0.94	301	Op	08 28 41.7	+0.1
TKW	Hsiinying	0.94	303	Op	08 28 30.3	-0.2
TKW	Hsiinying			Sb	08 28 43.5	+1.0
CHN3	Shinhua	0.96	287	Op	08 28 32.3	+1.4
CHN3	Shinhua			Sb	08 28 42.7	+3.8
HEN	Hengchung	0.97	217	Op	08 28 30.9	-0.1
HEN	Hengchung			Sb	08 28 40.1	+0.9
TESE	Hengchung	0.98	206	Op	08 28 46.7	+2.9
TESE	Hengchung			Sb	08 28 56.3	+3.3
TKW1	Hengchung	0.99	212	Op	08 28 31.6	+0.3
KAU	Kaoshiung	1.00	258	Op	08 28 33.8	+2.2
SHILN	Shilin	1.02	3	Op	08 28 46.4	+1.4
ESL	ESL			Sb	08 28 46.4	+1.4
CHN5	Tsauling	1.02	322	Op	08 28 31.7	-0.2
TWP	Hsialiuichiu	1.03	245	Op	08 28 35.3	+3.4
TAI1	Yung-k'ang	1.08	284	Op	08 28 38.3	+1.9
TAI1	Yung-k'ang			Sb	08 28 48.5	+1.9
CHN2	Minshiang	1.10	312	Op	08 28 43.0	+0.5
CHN2	Minshiang			Sb	08 28 49.0	+1.7
SCLT	Jiali	1.15	290	Op	08 28 34.0	+0.3
SCLT	Jiali			Sb	08 28 50.5	+2.0
WGK	Gukeng	1.16	321	Op	08 28 33.9	+0.1
SMLT	Sun Moon Lake	1.17	339	Op	08 28 34.1	+0.1
SMLT	Sun Moon Lake			Sb	08 28 42.4	+0.7
CHN8	Jiyu	1.20	298	Op	08 28 34.7	+0.3
CHN8	Jiyu			Sb	08 28 51.3	+1.3
HWA	Hwalian	1.20	11	Op	08 28 34.1	-0.4
TYC	Yuchr	1.21	337	Op	08 28 35.0	+0.5
TYC	Yuchr			Sb	08 28 44.1	+1.1
WNT	Mingjian	1.25	330	Op	08 28 36.3	+1.1
WNT	Mingjian			Sb	08 28 52.4	+1.1
NACB	Ninganchiao	1.40	9	Op	08 28 35.4	-1.8
WTCT	Ta-ch'eng	1.46	317	Op	08 28 41.6	+3.4
TWT	Tachien	1.47	353	Op	08 28 37.8	-0.9
TCU	Taichung	1.49	335	Op	08 28 40.1	+1.5
WDGT	Dunji	1.64	287	Op	08 28 59.6	+2.2
WDGT	Dunji			Sb	08 28 40.4	-0.3
NNS	Nan Shan	1.65	0	Op	08 28 59.6	-1.6
TW4	Liyutan	1.65	341	Op	08 28 40.7	-0.1
TW4	Liyutan			Sb	08 28 42.4	-1.6
ENA	Nanau	1.67	12	Op	08 28 03.5	+2.1
NSY	Sanyi	1.71	341	Op	08 28 41.8	+0.6
NSY	Sanyi			Sb	08 28 43.2	+1.5
PNG	Penghou	1.84	295	Op	08 28 06.2	+3.1
PNG	Penghou			Sb	08 28 42.6	-0.9
ENIT	Neidou	1.85	6	Op	08 28 45.5	-1.7
NSTT	Nanjiang	1.86	350	Op	08 28 44.2	+0.4
WTC	Suao	1.87	14	Op	08 28 44.6	+0.6
YHNB	Yeheng	1.87	0	Op	08 28 44.6	+0.6
YHNB	Yeheng			Sb	08 28 44.4	+0.3
YHNB	Yeheng			Sb	08 28 50.8	+6.7
YHNB	Yeheng			Sb	08 11.7	+4.6
EGS	Neicheng	1.94	8	Op	08 28 44.3	-0.8
TWS	Taipei	2.11	14	Op	08 28 49.2	+1.7
TATO	Taipei	2.18	3	Op	08 28 48.7	+0.3
TWA	Mucha	2.19	5	Op	08 28 48.7	+0.1
TAP1	Taipei	2.25	4	Op	08 28 50.9	+1.5
YOJ	Yonaguni jima	2.25	42	Op	08 29 00.0	+0.6
YOJ	Yonaguni jima			Sb	08 29 18.1	+1.4
TWB1	Santiao Chiao	2.28	14	Op	08 28 50.1	+0.2
TWB1	Santiao Chiao			Sb	08 28 52.7	+2.5
NWF	Wu-fen Shan	2.31	9	Op	08 28 50.1	-0.1
CHN7	Chenhu Shan	2.49	6	Op	08 28 54.9	+1.8
HATJ	Hateruma jima	2.57	60	Op	08 28 53.8	-0.3
HATJ	Hateruma jima			Sb	08 28 55.8	+0.9
IRIF	Iriomote-Funau	2.66	54	Op	08 28 55.6	+0.3
IRIF	Iriomote-Funau			Sb	08 28 58.6	+1.5
JKRS	Kuro-shima	2.82	59	Op	08 28 57.4	-0.2
JKRS	Kuro-shima			Sb	08 28 59.0	+0.7
JIJ	Ishigaki jima	2.98	58	Op	08 28 59.9	-0.1
JIJ	Ishigaki jima			Sb	08 29 35.7	+0.2
KNM	Kinmen	3.14	302	Op	08 29 02.1	0.0
OZH	Quanzhou	3.32	311	Op	08 29 03.4	-1.3
OZH	Quanzhou			Sb	08 29 38.2	-5.7

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
NJ2				XP	08 30 37.8	
NJ2				S	08 32 18.3	0.0
NJ2				SX	08 32 23.3	
NJ2				AMB		
NJ2	comp=Z,20nm,0.9s			Smax		
NJ2	comp=N,180nm,0.9s			Smax		
NJ2	comp=E,310nm,1.1s			LR	LR	
NJ2	comp=N,2um,11.8s			LR	LR	
NJ2	comp=E,1um,15.0s			LR	LR	
NJ2	comp=Z,850nm,9.6s			LR	LR	
QIZ	Qiongzong	11.40	253	eP	08 30 57.0	-0.5
QIZ	Qiongzong			S	08 33 10.9	+5.8
QIZ	Qiongzong			S		
QIZ	comp=N,533nm,13.9s			LR	LR	
QIZ	comp=E,426nm,13.9s			LR	LR	
QIZ	comp=Z,624nm,15.5s			LR	LR	
QIZ	Qiongzong	11.40	253	P	08 30 54.9	-2.6
GYA	Guiyang	13.86	288	fP	08 31 32.4	+2.0
GYA	Guiyang			Op	08 31 39.7	
GYA	Guiyang			AMB	08 31 42.8	
GYA	comp=Z,20nm,0.6s			AMB	AMB	
GYA	comp=Z,80nm,3.8s			AMB	AMB	
GYA	comp=N,290nm,9.3s			LR	LR	
GYA	comp=E,650nm,11.1s			LR	LR	
GYA	comp=Z,880nm,12.0s			LR	LR	
KMI	Kunming	17.18	281	P	08 32 12.4	-0.8
KMI	Kunming			AMB	AMB	
KMI	comp=Z,13nm,0.7s			LR	LR	
KMI	comp=Z,171nm,21.4s			P		
KMI	Kunming	17.18	281	P	08 32 12.4	-0.8
KMI	comp=Z,13nm,0.7s			P		
KKM	Kota Kinabalu	17.37	197	P	08 32 16.9	+1.3
HHC	Hu-ho-hao-te	19.82	338	eP	08 32 44.0	-0.7
HHC	Hu-ho-hao-te			XP	08 32 47.8	
HHC	Hu-ho-hao-te			AP	08 32 50.0	
HHC	Hu-ho-hao-te			S	08 36 27.6	+6.6
HHC	Hu-ho-hao-te			AMB	AMB	
HHC	comp=Z,15nm,1.2s			AMB	AMB	
HHC	comp=Z,210nm,6.9s			AMB	AMB	
HHC	comp=N,495nm,12.3s			LR	LR	
HHC	comp=E,353nm,14.2s			LR	LR	
HHC	comp=Z,436nm,16.1s			LR	LR	
MJAR	Matsushiro Arr	20.01	43	P	08 32 44.9	-2.0
MJAR	comp=Z,0.4nm,0.3s,baz=234,slow=8.5,SNR=9.4			P		
Lanzhou	20.17	315	eP	08 32 49.4	+0.9	
LZH	Lanzhou			AP	08 32 56.7	
LZH	Lanzhou			XP	08 33 01.6	
LZH	Lanzhou			AMB	AMB	
LZH	comp=Z,31nm,1.5s			AMB	AMB	
LZH	comp=Z,111nm,4.0s			AMB	AMB	
LZH	comp=E,756nm,12.0s			LR	LR	
LZH	comp=Z,990nm,13.4s,MS4.3			LR	LR	
LZH	Lanzhou	20.17	315	eP	08 32 49.4	+0.9
LZH	comp=Z,31nm,1.5s			pP	08 32 56.7	
LZH	Lanzhou			SP	08 33 01.6	
LZH	Lanzhou			LR	LR	
BTO	Baotou	20.18	334	eP	08 32 51.7	+3.1
CHG	Chiang Mai Arr	21.32	263	P	08 33 03.6	+3.1
CHG	Chiang Mai Arr			eP	08 33 00.7	-0.7
CHG	comp=Z,9.3nm,1.0s,mb4.1			P		
CMAR	Chiang Mai Arr	21.42	263	P	08 33 02.1	+0.7
CMAR	comp=Z,4.5nm,0.8s,mb3.8,baz=69,slow=9.1,SNR=14			P		
CMAR	comp=Z,1.3nm,0.6s,baz=62,slow=12.1,SNR=5.8			P		
GUMO	Guam	24.10	108	eP	08 37 00.3	+2.1
GTA	Gaotai	24.70	317	eP	08 33 35.1	+1.6
GTA	Gaotai			AP	08 33 46.4	
GTA	Gaotai			AMB	AMB	
GTA	Gaotai			AMB	AMB	
SHL	Shillong	27.01	282	eP	08 33 54.5	-0.7
ULN	Ulanbatar	27.52	339	eP	08 33 57.9	-1.7
ULN	Ulanbatar			P		
ASAJ	Asahikawa	27.53	34	P	08 33 57.9	-1.



WRAB	comp=Z,862nm,19.0s,MS4.7	MLR	MLR				
<b>WRAB Tennant Creek</b>	<b>42.82 123f</b>	eP	P	<b>09 12 25.9</b>	<b>-0.9</b>		
WRAB	comp=Z,1100nm,1.0s,mb5.5	LR	LR				
<b>DL2 Dalian</b>	<b>43.09 29</b>	P	P	<b>09 12 29.2</b>	<b>+0.5</b>		
DL2	comp=Z,862nm,19.0s,MS4.7	S	S	<b>09 18 54.8</b>	<b>+2.0</b>		
DL2	comp=Z,100nm,0.7s,mb5.7	AMB	AMB				
DL2	comp=Z,430nm,7.2s	LR	LR				
DL2	comp=E,2um,18.7s	LR	LR				
DL2	comp=Z,2um,20.5s,MS5.0	LR	LR				
<b>MENI Mendum Tagoi</b>	<b>43.82 96</b>	iP	P	<b>09 12 32.6</b>	<b>-2.4</b>		
MENI	comp=Z,57nm,0.9s,mb5.3	pP	pmax				
MENI	comp=Z,57nm,0.9s,mb5.3	iP	P	<b>09 12 32.6</b>	<b>-2.4</b>		
<b>YOMI Yo Mokiole</b>	<b>43.97 96</b>	iP	P	<b>09 12 33.2</b>	<b>-3.0</b>		
YOMI	comp=Z,144nm,0.8s,mb5.8	S	S				
<b>ULHL Ulahoi</b>	<b>44.05 38</b>	P	P	<b>09 12 37.6</b>	<b>+1.1</b>		
ULHL	SNR=29						
<b>FORT Forrest</b>	<b>44.18 140</b>	iP	P	<b>09 12 39.0</b>	<b>+1.3</b>		
FORT	comp=Z,1um,0.7s						
<b>ASPA Alice Springs</b>	<b>44.22 128</b>	iP	P	<b>09 12 38.4</b>	<b>+0.3</b>		
ASPA	SNR=60						
<b>ASAR Alice Springs</b>	<b>44.22 128</b>	P	P	<b>09 12 37.8</b>	<b>-0.5</b>		
ASAR	comp=Z,29nm,0.8s,mb5.0,baz=304,slow=7.6,SNR=163						
ASAR	comp=Z,2.1nm,0.9s,baz=301,slow=7.7,SNR=19	pP	PcP	<b>09 12 46.5</b>	<b>+0.7</b>		
ASAR	comp=Z,5.2nm,0.7s,baz=295,slow=3.1,SNR=5.6	P	P	<b>09 14 23.2</b>	<b>+0.2</b>		
ASAR	comp=Z,5.2nm,0.7s,baz=306,slow=3.5,SNR=5.2	pP	PcP	<b>09 14 31.2</b>			
ASAR	comp=Z,0.9nm,1.1s,baz=284,slow=1.9,SNR=2.9	P	P	<b>09 19 07.2</b>	<b>-2.2</b>		
<b>KZA Kyzart</b>	<b>44.29 337</b>	P	P	<b>09 12 39.9</b>	<b>+1.5</b>		
KZA	SNR=32						
<b>AAA Alma-Ata</b>	<b>44.68 339</b>	eP	P	<b>09 12 42.0</b>	<b>+0.4</b>		
AAA	comp=Z,1um,4.0s	iP	pmax	<b>09 19 18.0</b>	<b>+2.1</b>		
AAA	comp=E,1um,5.0s		smax				
AAA	comp=Z,1um,16.0s,MS4.8	MLR	MLR				
<b>UCH Uchtor</b>	<b>44.70 336</b>	P	P	<b>09 12 43.0</b>	<b>+1.2</b>		
UCH	SNR=81						
<b>TKM2 Tokmak 2</b>	<b>44.87 338</b>	P	P	<b>09 12 44.2</b>	<b>+1.1</b>		
TKM2	SNR=60						
<b>KBK Karagaybulak</b>	<b>44.90 337</b>	P	P	<b>09 12 45.3</b>	<b>+2.0</b>		
KBK	SNR=15						
<b>AML Almaysha</b>	<b>44.96 336</b>	P	P	<b>09 12 45.5</b>	<b>+1.7</b>		
AML	SNR=57						
<b>AAK Ala-Archa</b>	<b>45.05 337</b>	P	P	<b>09 12 46.1</b>	<b>+1.6</b>		
AAK	SNR=40						
<b>AAK Ala-Archa</b>	<b>45.05 337</b>	P	P	<b>09 12 44.8</b>	<b>+0.2</b>		
AAK	comp=Z,155nm,1.6s,mb5.6		pmax				
<b>FRU Bishkek</b>	<b>45.17 337f</b>	eP	P	<b>09 12 46.0</b>	<b>+0.5</b>		
FRU	comp=Z,155nm,1.6s,mb5.6	eS	S	<b>09 19 24.0</b>	<b>+1.1</b>		
FRU	comp=Z,220nm,2.1s,mb5.6		pmax	<b>09 19 40.0</b>			
FRU	comp=Z,220nm,2.1s,mb5.6	MLR	MLR				
<b>CHMS Chumysh</b>	<b>45.26 337</b>	P	P	<b>09 12 47.1</b>	<b>+0.9</b>		
CHMS	SNR=17						
<b>EKS2 Erkin-Say</b>	<b>45.36 336</b>	P	P	<b>09 12 47.8</b>	<b>+0.8</b>		
EKS2	SNR=24						
<b>UNY Osenovka</b>	<b>45.59 337</b>	P	P	<b>09 12 49.9</b>	<b>+1.2</b>		
UNY	SNR=33						
<b>SNP Shenyang</b>	<b>46.30 28</b>	iP	AMB	<b>09 12 53.3</b>	<b>-1.2</b>		
SNP	comp=Z,90nm,0.9s,mb5.7		AMB				
SNY	comp=Z,380nm,6.7s	AMB	AMB				
SNY	comp=N,4um,18.0s,MS5.5	LR	LR				
SNY	comp=E,2um,15.7s,MS5.5	LR	LR				
SNY	comp=Z,3um,17.8s,MS5.3	LR	LR				
<b>MKAR Makanchi Array</b>	<b>46.31 346</b>	P	P	<b>09 12 53.7</b>	<b>-0.7</b>		
MKAR	comp=Z,62nm,0.9s,mb5.5,baz=162,slow=7.7,SNR=195						
MKAR	comp=Z,32nm,0.6s,baz=165,slow=6.7,SNR=16	eP	pP	<b>09 13 02.7</b>	<b>+0.5</b>		
MKAR	comp=Z,32nm,0.6s,baz=165,slow=6.7,SNR=16	S	S	<b>09 19 39.3</b>	<b>+0.2</b>		
<b>SONM Soglingo Array</b>	<b>46.33 9</b>	P	P	<b>09 12 54.1</b>	<b>-0.4</b>		
SONM	comp=Z,33nm,0.7s,mb5.4,baz=192,slow=7.5,SNR=213						
SONM	comp=Z,7.2nm,0.6s,baz=194,slow=3.7,SNR=8.7	PcP	PcP	<b>09 14 29.7</b>	<b>-0.3</b>		
SONM	comp=Z,8.5nm,0.6s,baz=196,slow=3.5,SNR=8.8	pP	PcP	<b>09 14 38.7</b>			
<b>ULN Ulanbatar</b>	<b>46.46 9c</b>	iP	P	<b>09 12 55.3</b>	<b>-0.3</b>		
ULN	comp=Z,46nm,1.2s,mb5.3						
<b>ULN Ulanbatar</b>	<b>46.46 9f</b>	eP	P	<b>09 12 55.1</b>	<b>-0.6</b>		
ULN	comp=Z,2um,20.0s,MS5.0	LR	LR				
<b>KKAR Karatay Array</b>	<b>47.11 334</b>	iP	pmax	<b>09 13 00.3</b>	<b>-0.5</b>		
KKAR	comp=Z,134nm,1.6s,mb5.6		pmax				
<b>ZAK Zakamensk</b>	<b>48.44 6</b>	iP	pmax	<b>09 13 11.1</b>	<b>0.0</b>		
ZAK	comp=Z,26nm,1.8s,mb5.0		pmax				
<b>CN2 Changchun</b>	<b>48.70 27</b>	iP	P	<b>09 13 13.2</b>	<b>0.0</b>		
CN2	comp=Z,90nm,1.1s,mb5.7	eXP	S	<b>09 13 24.3</b>	<b>+0.1</b>		
CN2	comp=Z,500nm,5.0s	eS	AMB	<b>09 20 14.1</b>	<b>+1.1</b>		
CN2	comp=N,4um,15.0s,MS5.6	LR	LR				
CN2	comp=E,2um,15.0s,MS5.6	LR	LR				
CN2	comp=Z,5um,17.0s,MS5.6	LR	LR				
<b>MOY Mondy</b>	<b>49.54 3</b>	eP	pmax	<b>09 13 19.4</b>	<b>-0.2</b>		
MOY	comp=Z,139nm,2.6s,mb5.5		pmax				
<b>TLY Talaya</b>	<b>49.67 6c</b>	iP	P	<b>09 13 21.0</b>	<b>-0.3</b>		
TLY	comp=Z,70nm,0.8s,mb5.5	eS	S	<b>09 15 15.3</b>			
TLY	comp=Z,42nm,1.0s,mb5.4	eS	pmax	<b>09 20 29.4</b>	<b>+1.7</b>		
TLY	comp=Z,42nm,1.0s,mb5.4		pmax	<b>09 23 08.0</b>			
<b>CBIJ Chichi jima</b>	<b>50.04 56</b>	P	P	<b>09 13 22.1</b>	<b>-1.6</b>		
CBIJ	comp=Z,3um,17.0s,MS5.3						
CBIJ	comp=Z,105nm,0.7s,mb6.0,baz=289,slow=22,SNR=6.5	LR	LR	<b>09 33 29.3</b>			
<b>IRK Irkutsk</b>	<b>50.38 6</b>	eP	P	<b>09 13 26.2</b>	<b>+0.2</b>		
IRK	comp=Z,829nm,19.9s,MS4.7,baz=138,slow=33						
<b>HIA Hailar</b>	<b>50.94 19f</b>	eP	pmax	<b>09 13 29.2</b>	<b>-1.1</b>		
HIA	comp=Z,70nm,0.8s		pmax				
<b>HIA Hailar</b>	<b>50.94 19f</b>	eP	P	<b>09 13 29.2</b>	<b>-1.0</b>		
HIA	comp=Z,70nm,0.8s,mb5.5						
<b>MDJ Mudanjiang</b>	<b>51.29 30</b>	P	P	<b>09 13 32.8</b>	<b>-0.2</b>		
MDJ	comp=Z,2um,20.0s,MS5.0	AP	pP	<b>09 13 39.1</b>	<b>-1.8</b>		
MDJ	comp=Z,1.05nm,0.7s,mb6.0,baz=289,slow=22,SNR=6.5	XP	S	<b>09 13 41.7</b>	<b>-2.3</b>		
MDJ	comp=Z,829nm,19.9s,MS4.7,baz=138,slow=33	PP	S	<b>09 15 27.9</b>	<b>-2.9</b>		
MDJ	comp=Z,5um,17.0s,MS5.6	SCOP	S	<b>09 18 42.2</b>			
<b>MOY Mondy</b>	<b>50.52 +1.3</b>	SS	SS	<b>09 24 25.8</b>	<b>+3.3</b>		
MDJ	comp=Z,28nm,0.8s,mb5.2	AMB	AMB				
MDJ	comp=Z,575nm,6.6s	LR	LR				
MDJ	comp=N,4um,16.3s,MS5.5	LR	LR				
MDJ	comp=E,1um,15.5s,MS5.5	LR	LR				
MDJ	comp=Z,5um,15.7s,MS5.6	LR	LR				
<b>MDJ Mudanjiang</b>	<b>51.29 30</b>	iP	P	<b>09 13 32.8</b>	<b>-0.3</b>		
MDJ	comp=Z,3um,17.0s,MS5.3						
<b>MAJO Matsushiro</b>	<b>51.30 43</b>	eP	P	<b>09 13 31.7</b>	<b>-1.5</b>		
MAJO	comp=Z,43nm,0.8s,mb5.4		pmax				

MAJO	comp=Z,2um,20.0s,MS5.1	MLR	MLR				
<b>MAJO Matsushiro</b>	<b>51.30 43</b>	eP	P	<b>09 13 31.7</b>	<b>-1.5</b>		
MAJO	comp=Z,43nm,0.8s,mb5.4	LR	LR				
<b>MAJO Matsushiro</b>	<b>51.30 43</b>	eP	P	<b>09 13 32.0</b>	<b>-1.2</b>		
MAT	comp=Z,40nm,0.8s,mb5.4		pmax				
<b>MAT Matsushiro</b>	<b>51.30 43</b>	eP	P	<b>09 13 32.0</b>	<b>-1.2</b>		
MAT	comp=Z,40nm,0.8s,mb5.4		pmax				
<b>MAT Matsushiro</b>	<b>51.30 43</b>	P	P	<b>09 13 31.7</b>	<b>-1.5</b>		
<b>MJAR Matsushiro Arr</b>	<b>51.31 43</b>	P	P	<b>09 13 32.2</b>	<b>-1.0</b>		
MJAR	comp=Z,31nm,0.9s,mb5.2,baz=203,slow=6.4,SNR=46						
MJAR	comp=Z,2.2nm,0.7s,baz=207,slow=6.7,SNR=7.5	eP	pP	<b>09 13 42.2</b>	<b>+1.1</b>		
MJAR	comp=Z,2um,20.0s,MS5.0,baz=230,slow=37	LR	LR	<b>09 36 15.7</b>			
<b>MJAR Matsushiro Arr</b>	<b>51.31 43</b>	P	P	<b>09 13 32.2</b>	<b>-1.0</b>		
MJAR	comp=Z,2um,20.0s,MS5.0	pP	pP	<b>09 13 42.2</b>	<b>+1.1</b>		
MJAR	comp=Z,2um,20.0s,MS5.0	LR	LR	<b>09 36 15.7</b>			
<b>PMG Port Moresby</b>	<b>51.42 104</b>	eP	P	<b>09 13 34.0</b>	<b>-0.4</b>		
PMG	comp=Z,185nm,0.8s		pmax				
PMG	comp=Z,185nm,0.8s	MLR	MLR				
<b>PMG Port Moresby</b>	<b>51.42 104</b>	P	P	<b>09 13 34.2</b>	<b>-0.2</b>		
PMG	comp=Z,196nm,0.7s,mb5.1,baz=303,slow=3.2,SNR=54						
<b>PMG Port Moresby</b>	<b>51.42 104</b>	eP	P	<b>09 13 34.0</b>	<b>-0.3</b>		
PMG	comp=Z,185nm,0.8s,mb6.1	LR	LR				
<b>ZAL Zalesovo</b>	<b>52.63 351</b>	P	P	<b>09 13 42.2</b>	<b>-0.8</b>		
ZAL	comp=Z,35nm,0.8s,mb5.3,baz=313,slow=6.0,SNR=142						
ZAL	comp=Z,34nm,0.6s,baz=296,slow=6.4,SNR=18	pP	pP	<b>09 13 51.3</b>	<b>+0.4</b>		
ZAL	comp=Z,1.5nm,0.3s,baz=200,slow=23,SNR=16	LR	LR	<b>09 21 08.1</b>	<b>+0.9</b>		
ZAL	comp=Z,1um,20.0s,MS4.9,baz=295,slow=41	LR	LR	<b>09 40 23.4</b>			
<b>ZAL Zalesovo</b>	<b>52.63 351</b>	P	P	<b>09 13 42.2</b>	<b>-0.8</b>		
ZAL	comp=Z,1um,20.0s,MS4.9,baz=295,slow=41	pP	pP	<b>09 13 51.3</b>	<b>+0.4</b>		
ZAL	comp=Z,1um,20.0s,MS4.9,baz=295,slow=41	S	S	<b>09 21 08.1</b>	<b>+0.9</b>		
ZAL	comp=Z,1um,20.0s,MS4.9,baz=295,slow=41	LR	LR	<b>09 40 23.4</b>			
<b>OPO Ambohidratomp</b>	<b>52.95 245</b>	P	P	<b>09 13 44.7</b>	<b>-1.1</b>		
OPO	comp=Z,4.6nm,0.7s,mb4.5,baz=57,slow=6.2,SNR=10						
<b>OPO Charters Tower</b>	<b>53.23 117</b>	iP	P	<b>09 13 52.6</b>	<b>-1.2</b>		
OPO	comp=Z,10nm,0.9s,baz=60,slow=10,SNR=7.2						
<b>CTA Charters Tower</b>	<b>53.23 117</b>	iP	P	<b>09 13 48.3</b>	<b>+0.4</b>		
CTA	comp=Z,42nm,0.9s		pmax				
<b>CTA Charters Tower</b>	<b>53.23 117</b>	P	P	<b>09 13 47.6</b>	<b>-0.3</b>		
CTA	comp=Z,53nm,0.9s,mb5.5,baz=290,slow=8.9,SNR=24						
CTA	comp=Z,46nm,0.9s,baz=270,slow=10,SNR=11	pP	pP	<b>09 13 55.8</b>	<b>0.0</b>		
CTA	comp=Z,2um,18.8s,MS5.2,baz=14,slow=41	LR	LR	<b>09 40 34.1</b>			
<b>CTAO Charters Tower</b>	<b>53.23 117f</b>	eP	P	<b>09 13 47.3</b>	<b>-0.6</b>		
CTAO	comp=Z,2um,18.8s,MS5.2	e	pmax	<b>09 13 55.8</b>	<b>0.0</b>		
CTAO	comp=Z,2um,18.8s,MS5.2	MLR	MLR				
<b>CTAO Charters Tower</b>	<b>53.23 117f</b>	eP	P	<b>09 13 47.3</b>	<b>-0.6</b>		
CTAO	comp=Z,87nm,1.0s,mb5.6						
<b>CTAO Charters Tower</b>	<b>53.23 117f</b>	eP	P	<b>09 13 47.3</b>	<b>-0.6</b>		
CTAO	comp=Z,2um,19.0s,MS5.2	e	LR	<b>09 13 55.8</b>	<b>0.0</b>		
<b>NVS Novosibirsk</b>	<b>53.7</b>						



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RR12 Red Ridge, WUWU Wally Ulrich, NVAR Mina Array Bea, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NEM2 Rausu, JRA JRA, JFR Furan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CLNS comp=E,3.0nm,0.8s, CLNS comp=Z,8.0nm,1.2s, etc.

NEIC 11 09:15:00.0, 0.4, 2.26N, 96.24E, h30km, mb4/1, Error ellipse: s-maj=12.6km s-min=5.4km az=59.0

IDC 11 09:15:06.1, 13.0, 2.43N, 96.45E, h83km, 115km, mb4.0/8, mb1.4/9, mb1mx3.8/21, mbtmp4.3/9, ML4.2/1, Error ellipse: s-maj=119.1km s-min=14.7km az=60.0

ISC 11 09:14:58.5, 0.7, 2.26N, 0.09, 96.3E, 0.1, h33km, n24, c=05723, mb4.5/17, Northern Sumatera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

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

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

NIED 11 09:15:00, 42.30N, 144.60E, h23km, Mw4.7 Best double couple: M1.35x10^16 NP1.34°, 863°, 1.73°. NP2.248°, 831°, 1.120°

MOS 11 09:15:18.5, 1.3, 42.31N, 144.49E, h33km, mb5.0/18, Error ellipse: s-maj=9.3km s-min=6.4km az=89.3

JMA 11 09:15:20.5, 42.35N, 144.62E, h37km, 1km, M4.7, JMA Feit J1

IDC 11 09:15:21.1, 0.5, 42.31N, 144.44E, h39km, 4km, mb4.1/26, mb1.4/3/29, mb1mx4.3/32, mbtmp4.2/9, ML4.6/3, MS4.0/2, MB1.4/0.2, ms1mx3.2/29, Error ellipse: s-maj=13.6km s-min=9.8km az=119.0

NEIC 11 09:15:21.2, 0.2, 42.32N, 144.47E, mb4.8/24, MW4.7(NIED), Error ellipse: s-maj=7.7km s-min=5.0km az=138.0

NEIC Recorded [1 JMA] in eastern and south-central Hokkaido, SKHL 11 09:15:21.7, 3.6, 42.43N, 144.63E, h64km, 32km, mb5.4/1, Ms4.5/4

ISC 11 09:15:19.0, 0.5, 42.25N, 0.03, 144.60E, 0.04, h38km, 4km, h37km, 1.3km, P, 1.12, s125/149, mb4.6/60, MS4.7/3, 4C-9D, Hokkaido region

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

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







Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ULHL Ulahol, FORT Forrest, ASPA Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ANN Anapa, BRTR Tirsova, MATP Matopo, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IDC 11 10:18:51.4, WRA Warramunga Arr, etc.

Table with columns: STA, AP, S, P, 10 53 50.3 +4.5. Includes stations like GTA, MRZ, KIWI, MRW, THZ, KHZ, MOZ, RPZ, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like STKA, BVAR, CHKZ, CHZK, GNI, BRTR, MATP, JOF, FINES, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CMAR, WRA, WRAB, ASAR, SONM, MKAR, ULN, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like RAO, MWZ, URZ, URZ, URZ, URZ, etc.

Table with columns: BFZ, MRZ, MRZ, KIWI, MRW, THZ, KHZ, MOZ, RPZ, etc. Includes stations like Birch Farm, Mangatoinoka, Kapiti Island, etc.

IDC 11 10:50:56.37.8, 7.52N:103.61W, mb3.7/6, mb1 4.1/6, mb1mx3.9/19, mbmp3.7/6, MS4.0/2, Ms1 4.1/2, ms1mx3.4/34, Error ellipse: s-maj=206.4km s-min=95.0km az=113.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like TXAR, JCT, MNTX, GDLZ, TUC, NVAR, etc.

DJA 11 10:58:13.8:0.9, 7.28S:130.19E, h240km, MD5.1/4, ML6.0/4, Error ellipse: s-maj=342.8km s-min=19.0km az=174.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KAKA, FITZ, FITZ, FITZ, KEDI, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SRDI, SRDI, SRDI, SRDI, SRDI, etc.

Table with columns: FORT, KLBR, STKA, NWAO, KULM, CM31, CMAR, CMAR, NJ2, NJ2, NJ2, NJ2, NJ2, etc. Includes stations like Kellerberrin, Stephens Creek, etc.

IDC 11 10:47:51.3:7.3, 29.88N:84.05E, mb3.7/3, mb1 3.9/4, mb1mx3.6/22, mbmp3.7/4, Error ellipse: s-maj=330.4km s-min=105.5km az=73.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like TXAR, TXAR, TXAR, TXAR, TXAR, etc.

DJA 11 10:58:18.5:1.7, 7.71S:130.03E, h132km, mb5.0, mb4.9, IDC 11 10:58:22.3:1.7, 0.75S:129.63E, h106km, 28km, mb4.2/12, mb1 4.3/15, mb1mx3.2/20, mbmp4.6/15, Error ellipse: s-maj=21.9km s-min=11.9km az=68.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KAKA, FITZ, FITZ, FITZ, KEDI, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CMAR, WRA, WRAB, ASAR, SONM, MKAR, ULN, etc.



Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like PMG, HNR, CTA, WRAB, WRA, ASAR, etc.

Table with columns: ILAR, Eielson Array, BVAR, CHKZ, DAWY, INK, SYO, YKA, DBIC, etc. Includes station names, coordinates, and timing information.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like WRA, CBJJ, MKAR, ZAL, TXAR, etc.















KOLS	Kolonické sedl	114.25 323	ePP	PP	12 39 33.5	-11
MATP	Matopo	114.29 246	PKIKP		12 38 45.8	
MATP	comp=Z,3.2nm,1.0s,baz=124,slow=3.6,SNR=3.0					
CRVS	Cervenica-Dubn	114.75 323	eP	Pdf	12 35 07.5	+11
CRVS			ePS	PS	12 49 19.8	-2.4
CRVS			eSS	SS	12 55 51.8	+14
CRVS	Cervenica-Dubn	114.75 323	eP	Pdf	12 35 07.5	+11
CRVS			ePP	PP	12 39 59.2	-8.7
CRVS			eSS	SS	12 46 48.5	
CRVS			ePS	PS	12 49 19.8	-2.4
CRVS			eSS	SS	12 55 51.8	+14
CRVS					13 00 05.6	
CRVS	Cervenica-Dubn	114.75 323	eP	Pdf	12 35 07.5	+11
CRVS			ePP	PP	12 39 59.2	-8.7
CRVS			ePS	PS	12 46 48.5	
CRVS			ePS	PS	12 49 19.8	-2.4
CRVS			eSS	SS	12 55 51.8	+14
KONO	Kongsberg	114.77 337	e	PFAKE	12 39 00.0	+12
KONO			LR			
FRB	Frobisher Bay	114.81 16	PKIKP		12 38 47.5	
FRB	comp=Z,0.8nm,0.4s,baz=294,slow=20,SNR=2.1					
FRB	Frobisher Bay	114.81 16	PKIKP		12 38 47.5	-1.0
BOSA	Boshof	114.83 236	e	PFAKE	12 39 00.0	+11
BOSA			LR			
GKP	Gorka Klasztor	115.05 329	eP	Pdf	12 34 57.9	+0.6
GKP			e		12 38 48.2	
GKP			e		12 39 53.1	
GKP			e		12 45 37.7	
GKP			ePS	PS	12 49 24.8	-0.3
GKP			eSS	SS	12 55 49.6	+7.9
GKP			MLR			
GKP	comp=Z,30um,25.4s,MS6.8					
GKP	Gorka Klasztor	115.05 329	eP	Pdf	12 34 57.9	+0.6
GKP			ePKIKP	PKP	12 38 48.2	-1.0
GKP			ePP	PP	12 39 53.1	+3.1
GKP			eSS	SS	12 45 37.7	-1.2
GKP			ePS	PS	12 49 24.8	-0.3
GKP			eSS	SS	12 55 49.6	+7.9
GKP			MLR			
OJC	Ojcow	115.14 325	ePKIKP	PKP	12 38 54.0	+4.5
OJC			ePP	PP	12 39 58.1	+1.1
OJC			eSS	SS	12 49 26.9	+2.4
OJC			eSS	SS	12 55 56.8	+14
OJC			MLR			
OJC	comp=Z,16um,20.2s,MS6.6					
OJC	Ojcow	115.14 325	ePKP	PKP	12 38 54.0	+4.5
OJC			ePP	PP	12 39 58.1	+1.1
OJC			eSS	SS	12 45 38.3	-1.0
OJC			eSS	SS	12 49 26.3	+2.4
OJC			eSS	SS	12 55 56.8	+14
OJC			MLR		13 30 31.9	
MBAR	Mbarara	115.17 268	PFAKE	LR	12 39 00.0	+10
MBAR			LR			
LBTB	Lobatse	115.66 240	PFAKE	LR	12 39 00.0	+8.8
LBTB			LR			
LSZ	Lusaka	115.70 251	ePKIKP	PKP	12 38 49.8	-1.6
LSZ			MLR			
BER	Bergen	115.83 340	e	AMS	12 42 54.3	
BER			AMS		13 30 29.8	
OKC	Ostrava-Krasne	116.26 325	ePKP	PKP	12 38 56.1	+4.4
OKC			ePP	PP	12 39 59.6	+1.1
OKC			ePS	PS	12 49 26.9	+2.4
OKC			ex		12 56 19.5	
OKC			ex		13 00 18.5	
OKC			AMS		13 28 00.0	
YVHS	Yyhne	116.49 324	eP	Pdf	12 35 15.7	+12
YVHS			ePS	PS	12 39 52.6	
YVHS			ePS	PS	12 49 38.1	0.0
YVHS			eSS	SS	12 50 46.8	
YVHS			eSS	SS	12 55 51.7	-8.8
YVHS					13 00 20.8	
YVHS	Yyhne	116.49 324	eP	Pdf	12 35 15.7	+12
YVHS			ePP	PP	12 39 52.6	-7.5
YVHS			ePS	PS	12 47 07.8	
YVHS			ePS	PS	12 49 38.1	0.0
YVHS			eSS	SS	12 50 46.8	
YVHS			eSS	SS	12 55 51.7	-8.8
YVHS					13 00 20.8	
YVHS	Yyhne	116.49 324	eP	Pdf	12 35 15.7	+12
YVHS			ePP	PP	12 39 52.6	-7.5
YVHS			ePS	PS	12 47 07.8	
YVHS			ePS	PS	12 49 38.1	0.0
YVHS			eSS	SS	12 50 46.8	
YVHS			eSS	SS	12 55 51.7	-8.8
YVHS					13 00 20.8	
KSP	Ksiaz	116.79 327	ePKIKP	PKP	12 38 54.9	+2.2
KSP			ePP	PP	12 40 00.3	-1.9
KSP			eSS	SS	12 45 41.9	-3.6
KSP			eSS	SS	12 49 24.2	+1.7
KSP			eSS	SS	12 56 36.2	+3.2
KSP			MLR		13 28 14.3	
MIAR	Mount Ida	116.83 53	ePKIKP	PKP	12 38 51.5	-1.7
MIAR			MLR			
DPC	Dobruska-Polom	117.03 326	ePKP	PKP	12 38 59.0	+5.8
DPC			ePP	PP	12 40 04.4	+0.5
DPC			ex		12 49 39.2	-3.8
DPC			ex		12 50 27.3	
DPC			AMS		13 26 40.0	
SUR	Sutherland	117.04 231	PFAKE	LR	12 39 00.0	+6.3
SUR			LR			
UPC	Upeice	117.12 327	ePP	PP	12 39 52.0	-1.3
VRAC	Vranov	117.40 325	ePP	PP	12 40 07.6	+1.1
SKO	Skojpie	117.53 316	ePKIKP	PKP	12 39 10.0	+1.6
CCM	Cathedral Cave	117.60 49	ePKIKP	PKP	12 38 52.0	-2.6
CCM			MLR			
DIVS	Divcanske	117.68 319	ePKP	PKP	12 38 52.6	-1.9
PVCC	Panska Ves	117.89 327	ePS	PS	12 40 23.4	+1.3
PVCC			ePS	PS	12 49 52.9	+2.2
PVCC			eSS	SS	12 56 41.4	
PVCC			ex		13 00 46.2	
PVCC			AMS		13 24 40.0	
BORG	Borgarnes	118.17 354	PFAKE	LR	12 39 00.0	+5.0
BORG			LR			
PRU	Pruhonice	118.20 327	ePKP	PKP	12 39 01.8	+6.4
PRU			ePP	PP	12 40 04.4	+0.5
PRU			ePS	PS	12 49 46.1	-7.4
PRU			eSS	SS	12 56 42.7	
PRU			ex		13 00 44.2	
PRU			AMS		13 29 00.0	
PRA	Prague	118.21 327	PP	PP	12 40 12.0	-0.2
PRA			AMS		13 30 00.0	
FVM	French Village	118.24 48	PKIKP	PKP	12 38 52.1	-3.7
CLL	Collin	118.30 329	ePKIKP	PKP	12 38 59.2	+3.6
CLL			MLR		12 40 12.0	
CLL	comp=Z,9.0nm,0.9s					
CLL	Collin	118.30 329	ePKP	PKP	12 38 59.2	+3.6
CLL			ePP	PP	12 39 27.7	
CLL			ePP	PP	12 40 12.0	-0.8
CLL	comp=Z,18um,19.7s,MS6.7					
CLL	Collin	118.30 329	ePKP	PKP	12 38 59.2	+3.6
CLL			ePP	PP	12 39 27.7	
CLL			ePP	PP	12 40 12.0	-0.8
CLL	comp=Z,18um,19.7s,MS6.7					
CLL	Collin	118.30 329	ePKIKP	PKP	12 38 54.0	-1.6
CLL			ePP	PP	12 39 03.9	
CLL			ePP	PP	12 39 27.0	
CLL			ePP	PP	12 39 58.0	
CLL			ePP	PP	12 40 12.0	-0.8
CLL			ePPP	PPP	12 42 39.0	-4.1

CLL			e		12 46 07.0	
CLL			ePS	PS	12 49 55.0	+0.6
CLL			eSS	SS	12 50 58.0	
CLL			ePSS	PSS	12 51 43.0	+28
CLL			eSSS	SSS	12 56 30.0	+6.6
CLL			ePKIKP	PKP	12 38 56.8	-0.6
CLL			ePS	PS	12 49 59.5	-2.9
CLL			eSS	SS	12 56 52.7	+17
CLL			MLR		13 01 03.7	
KHC	Kasperske Hory	119.18 326	ePKPDF	PKP	12 38 56.8	-0.6
KHC			ePKP	PKP	12 39 00.0	
KHC			ePP	PP	12 40 08.4	-10
KHC			ePS	PS	12 49 59.5	-2.9
KHC			eSS	SS	12 56 52.7	+17
KHC			AMS		13 29 20.0	
KHC	comp=Z,14um,22.1s,MS6.6					
KHC	Kasperske Hory	119.18 326	ePKPDF	PKP	12 38 56.8	-0.6
KHC			ePKP	PKP	12 39 00.0	
KHC			ePP	PP	12 40 08.4	-10
KHC			ePS	PS	12 49 59.5	-2.9
KHC			eSS	SS	12 56 52.7	+17
KHC			AMS		13 29 20.0	
NKC	Novy Kostel	119.19 328	ePKP	PKP	12 39 03.2	+5.8
NKC			ePP	PP	12 40 16.6	-2.3
NKC			ePS	PS	12 50 01.8	-0.6
NKC			eSS	SS	12 56 56.6	
NKC			ex		13 01 02.9	
NKC			AMS		13 33 20.0	
NERES	comp=Z,19um,18.4s					
NERES	GERESS Array B	119.27 326	ePKP	PKP	12 38 54.4	-3.1
NERES			ePP	PP	12 40 16.2	-3.1
GERES	comp=Z,3.1nm,0.9s,baz=72,slow=4.2,SNR=5.0					
GERES					12 49 12.7	
PERS	Pernice	119.59 323	ePP	PP	12 40 22.2	+0.9
PDKS	Podkum	119.94 323	ePdiff	Pdf	12 35 19.4	+0.4
OXF	Oxford	120.13 52	PFAKE	LR	12 39 10.0	+10
OXF			LR			
LJU	Ljubljana	120.24 323	ePP	PP	12 40 27.0	+1.5
LJU			eSP	SP	12 50 14.3	+4.4
LJU			eSS	SS	12 57 13.0	+24
LJU	Koelnbreinsp	120.41 324	ePKP	PKP	12 39 04.5	+1.7
WWT	Waverly	120.82 50	ePKIKP	PKP	12 38 59.0	-1.9
WWT			MLR			
PLAL	Pickwick Lake	121.02 51	PFAKE	LR	12 39 10.0	+8.7
PLAL			LR			
WCI	Wyandotte Cave	121.19 47	PFAKE	LR	12 39 10.0	+8.4
WCI			LR			
WTTA	Wattenberg	121.29 325	ePP	PKP	12 39 01.8	+0.2
AAM	Ann Arbor	121.32 41	PFAKE	LR	12 39 10.0	+8.3
AAM			LR			
MOTA	Moosalm	121.55 326	ePP	PKP	12 39 04.0	+2.0
SCHA	Schefferville	122.30 22	ePKP	PKP	12 39 02.0	-1.2
SCHA			PKP		12 39 02.0	-1.2
SCHQ	comp=Z,3.4nm,0.9s,baz=251,slow=13,SNR=3.4					
SCHQ	Schefferville	122.30 22	ePKP	PKP	12 39 02.0	-1.2
SCHQ			PKP		12 40 38.6	-1.1
SCHQ	comp=Z,6.2nm,1.0s,baz=2.8,slow=9.1,SNR=3.2					
SCHQ	Schefferville	122.30 22	ePKP	PKP	12 39 02.0	-1.2
SCHQ			PKP		12 40 38.6	-1.0
LRL	Lakeview Retre	122.50 53	ePKP	PKP	12 39 02.9	-1.2
LRL			PKP			
DAVOX	Davos	122.56 326	ePKP	PKP	12 39 03.7	-0.2
DAVOX			PKP			
SWET	Switzerland	122.57 326	ePKP	PKP	12 39 01.8	-2.5
EKA	Esksdalemuir	122.62 340	PFAKE	LR	12 39 01.9	-2.0
EKA			LR			
ESK	Esksdalemuir	122.65 340	PFAKE	LR	12 39 10.0	+6.1
ESK			LR			
ACSO	Alum Creek Sta	122.70 43	PFAKE	LR	12 39 10.0	+5.6
ACSO			LR			
CDP	Champ du Feu	123.00 328	ePKIKP	PKP	12 39 03.2	-1.5
GIVF	Givet	123.15 321	ePKP	PKP	12 39 04.5	+1.7
BAIF	Baives	123.47 331	ePKIKP	PKP	12 39 04.8	-0.9
CPCT	Cooper Cave	123.57 49	ePKP	PKP	12 39 04.4	-1.9
HINF	Hinterferlach	123.59 328	ePKIKP	PKP	12 39	

11d 12:33:06.61.9,3.60S:146.40E,mb3.7/3,mb1 4.1/3, mb1mx3.7/14,mbtimp3.8/3, Error ellipse: s-maj=244.8km s-min=29.3km az=119.0, Bismarck Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include WRA Warrumunga Arr, ASAR Alice Springs, ILAR Eielson Arr.

11d 12:38:27.91.6,3.40S:146.19E,mb4.0/6,mb1 4.3/8, mb1mx4.1/17,mbtimp4.1/8,ML3.5/2, Error ellipse: s-maj=39.9km s-min=21.7km az=87.0

NEIC 11 12:38:33.62.8,3.48S:146.24E,h2km,32km,mb4.6/2, Error ellipse: s-maj=24.7km s-min=12.0km az=130.0

ISC 11 12:38:30.9,3.45S:146.2E,0.1,h33km,n11, s-maj=117.0km,mb3.9/5,1C-1D,Bismarck Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include PMG Port Moresby, HNR Honiara, WRAB Tennant Creek, WRA Warrumunga Arr.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include ASAR Alice Springs, ASPA Alice Springs, FITZ Fitzroy Crossi, CMAR Chiang Mai Arr.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include SONM Songo Array, MKAR Makanchi Arr.

11d 12:40:29.1.8,3.42S:145.64E,mb4.0/3,mb1 4.3/4, mb1mx3.8/15,mbtimp4.0/4,ML3.6/1,MS5.2/1,Ms1 5.2/1, ms1mx4.6/26, Error ellipse: s-maj=128.1km s-min=26.7km az=122.0, Near north coast of New Guinea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include CTA Charters Tower, WRA Warrumunga Arr.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include ASAR Alice Springs, FITZ Fitzroy Crossi, ILAR Eielson Arr.

11d 12:45:22.0.8,3.35S:146.39E,mb4.0/11,mb1 4.2/12, mb1mx4.1/17,mbtimp4.1/12,ML2.6/1, Error ellipse: s-maj=31.0km s-min=16.6km az=98.0

NEIC 11 12:45:25.6,5.1,3.39S:146.37E,h2km,36km,mb4.4/3, Error ellipse: s-maj=14.8km s-min=12.3km az=75.0

ISC 11 12:45:25.0.7,3.44S:146.4E,0.2,h33km,n19, s-maj=117.0km,mb4.0/13, Southern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include PMG Port Moresby, WRAB Tennant Creek, WRA Warrumunga Arr.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include ASAR Alice Springs, FITZ Fitzroy Crossi, STKA Stephens Creek.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include KULM Kulim, BJT Baijuttuau, CMAR Chiang Mai Arr.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include SONM Songo Array, MKAR Makanchi Arr, ZAL Zalesovo.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include ILAR Eielson Arr, BVAR Borovoye Arr, CHKZ Chkalovo.

11d 12:44:9.1.1,1.88S:99.61E,mb3.9/12,mb1 4.1/12, mb1mx4.0/20,mbtimp3.9/12, Error ellipse: s-maj=56.5km s-min=14.6km az=54.0

NEIC 11 12:44:30.8,2.1,2.85S:99.30E,h30km,mb4.4/2, Error ellipse: s-maj=30.2km s-min=10.7km az=59.0

ISC 11 12:44:27.9,0.1,1.85S:99.7E,0.3,h33km,n19, s-maj=117.0km,mb4.0/13, Southern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include KULM Kulim, CMAR Chiang Mai Arr, FITZ Fitzroy Crossi.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include ASAR Alice Springs, WRAB Tennant Creek, ASAR Alice Springs.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include STKA Stephens Creek, ASAR Alice Springs, SONM Songo Array.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include MKAR Makanchi Arr, ZAL Zalesovo, ZAL Zalesovo, BVAR Borovoye Arr, CHKZ Chkalovo.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include BRTR Keskin Arr, FINES FINES Arr, ARCES ARCES Arr.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include PDAR Pinedale Arr, Lajitas Arr, TXAR Lajitas Arr.

11d 12:58:39.62.3,0.76N:97.66E,mb4.0/7,mb1 4.1/8, mb1mx3.9/22,mbtimp3.9/8,ML3.8/1, Error ellipse: s-maj=98.3km s-min=17.5km az=58.0

NEIC 11 12:58:43.8,0.9,0.72N:97.60E,h30km,mb4.2/1, Error ellipse: s-maj=24.9km s-min=11.2km az=64.0

ISC 11 12:58:41.6,1.1,0.70N:1.1,97.6E,0.2,h30km,n10, s-maj=117.0km,mb4.0/8, Northern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include KULM Kulim, CMAR Chiang Mai Arr, FITZ Fitzroy Crossi.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include WRA Warrumunga Arr, ASAR Alice Springs, SONM Songo Array.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include MKAR Makanchi Arr, ZAL Zalesovo, BVAR Borovoye Arr, CHKZ Chkalovo.

MAN 11 13:12:28.1,9.38N:126.18E,h6km,mb4.3,ML3.1,MS2.9, ID, Mindanao

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include BUTP Butuan, SCPH Surigao, SCPH Bislig, MSPL Maasin, BUKP Musuan, BUKP Musuan.

11d 13:16:46.6-4.1,1.63N:97.97E,mb3.3/4,mb1 3.4/4, mb1mx3.3/19,mbtimp3.3/4, Error ellipse: s-maj=166.0km s-min=24.9km az=60.0, Northern Sumatara

ISC 11 13:16:46.6-4.1,1.63N:97.97E,mb3.3/4,mb1 3.4/4, mb1mx3.3/19,mbtimp3.3/4, Error ellipse: s-maj=166.0km s-min=24.9km az=60.0, Northern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include WRA Warrumunga Arr, ASAR Alice Springs, SONM Songo Array, MKAR Makanchi Arr.

11d 13:21:19.9,2.6,1.57S:99.73E,mb3.7/6,mb1 3.9/7, mb1mx3.7/19,mbtimp3.7/7,ML3.9/1, Error ellipse: s-maj=109.5km s-min=20.2km az=56.0, Southern Sumatara

ISC 11 13:21:19.9,2.6,1.57S:99.73E,mb3.7/6,mb1 3.9/7, mb1mx3.7/19,mbtimp3.7/7,ML3.9/1, Error ellipse: s-maj=109.5km s-min=20.2km az=56.0, Southern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include CMAR Chiang Mai Arr, WRA Warrumunga Arr, ASAR Alice Springs, SONM Songo Array.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include MKAR Makanchi Arr, ZAL Zalesovo, BVAR Borovoye Arr.

11d 13:25:60.0,2.6,2.71N:95.21E,mb3.7/5,mb1 4.0/6, mb1mx3.7/22,mbtimp3.8/6,ML4.0/1, Error ellipse: s-maj=90.1km s-min=26.5km az=58.0, Off west coast of northern Sumatara

ISC 11 13:25:60.0,2.6,2.71N:95.21E,mb3.7/5,mb1 4.0/6, mb1mx3.7/22,mbtimp3.8/6,ML4.0/1, Error ellipse: s-maj=90.1km s-min=26.5km az=58.0, Off west coast of northern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include CMAR Chiang Mai Arr, WRA Warrumunga Arr, MKAR Makanchi Arr, SONM Songo Array.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include ZAL Zalesovo, SONM Songo Array, BVAR Borovoye Arr.

11d 13:33:28.4,8.9,5.98S:130.49E,h51km,87km,mb3.6/5, mb1 4.1/8,mb1mx3.9/16,mbtimp4.1/8,ML4.4/3, Error ellipse: s-maj=96.2km s-min=26.3km az=55.0

NEIC 11 13:33:28.4,8.9,5.98S:130.49E,h50km, Error ellipse: s-maj=35.3km s-min=9.9km az=72.0

ISC 11 13:33:29.9,2.1,6.18S:108.00E,0.2,h82km,21km, n13,c138/20,mb3.8/5,1D,Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include KAKA Kakadu, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include FITZ Fitzroy Crossi, WRAB Tennant Creek, WRA Warrumunga Arr.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include WRA Warrumunga Arr, ASAR Alice Springs, ASAR Alice Springs.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include CMAR Chiang Mai Arr, SONM Songo Array, MKAR Makanchi Arr.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include BVAR Borovoye Arr, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi.

11d 13:38:13.6,0.9,2.28N:121.68E,mb3.7/8,mb1 3.9/9, mb1mx3.7/24,mbtimp3.9/16,ML3.8/1, Error ellipse: s-maj=27.0km s-min=16.5km az=68.0

JMA 11 13:38:15.6,0.3,2.25N:121.32E,h60km,ML4.0 TAP FEL I J at Taitung, I J at Pinlang, II J at Chenggung, I J at Lidau, I J at Taimali, I J at Lanyu, Error ellipse: s-maj=117.0km,mb4.0/3,

NEIC 11 13:38:18.9,1.5,2.28N:121.71E,h38km,17km,mb4.0/3, Error ellipse: s-maj=117.0km,mb4.0/3,

NEIC Recorded (3 TAP) in Taitung County, BUJ 11 13:38:23.2,23.41N,120.99E,h10km,mb4.4,ML3.8, MS2.0

ISC 11 13:38:16.3,0.3,2.28N:120.02,121.37E,0.2,h23km,3km, n86,c1910/135,mb3.7/11,15C-5D,Taiwan region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include TTN Taitung, TTN Taitung, TWC Pinlang, TWC Pinlang.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include CHKT Chengkung, CHKT Chengkung, ECL Lidau, ELDTW Lidau.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include TWF1 Yuli, TAW Tawu, TAW Tawu, EAST Anshuo.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include EAST Anshuo, STYT Taoyuan, SGST Sandimen, SSD Sandimen.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include EHY Hungye, LAY Lan-yu, LAY Lan-yu, YUS Yu-Shan.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include YUS Yu-Shan, SCYZ Fangliu, SGGL Jiouu, WTP Ta-pu.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include WTP Ta-pu, CHN1 Nanshi, CHN1 Shoushan, ALS Alishan.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include ALS Alishan, CHN4 Tsauhsan, CHN4 Tsauhsan, TWK Hsinying.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include TWK Hsinying, CHN3 Shinhu, CHN3 Shinhu, HEN Hengchung.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include HEN Hengchung, TSEB Hengchung, Pin Hengchung, TWK1 Kaohsiung.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include TWK1 Kaohsiung, KAU Kaohsiung, ESL Shilin, CHN5 Tsauling.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include CHN5 Tsauling, CHN5 Hsiaoluechiu, TWP Hsiaoluechiu, TWP Hsiaoluechiu.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include TWP Hsiaoluechiu, TAI Yung-kang, CHN2 Minshung, CHN2 Minshung.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include CHN2 Minshung, CHY Chiayi, CHY Chiayi, SCLT Jiali.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include SCLT Jiali, WKG Gukung, WKG Gukung, SMLT Sun Moon Lake.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include SMLT Sun Moon Lake, HWA Hualien, TWC Yuchir, TWC Yuchir.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include TWC Yuchir, CHN8 Yiju, CHN8 Yiju, CHN9 Mingjian.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include CHN9 Mingjian, WNT Ninganchiao, NACB Ninganchiao, NACB Ninganchiao.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include NACB Ninganchiao, TWT Taichien, WTC1 Ta-cheng, WTC1 Ta-cheng.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include WTC1 Ta-cheng, TCU Taichung, NCU Nan Shan, TWQ1 Liyuan.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include TWQ1 Liyuan, DWG1 Dunjiu, ENA Nanyu, NSY Sanyi.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include NSY Sanyi, PNY Penghu, PNY Penghu, NIoudou Suao.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows include NIoudou Suao, NSTT Nanjiang, NSTT Nanjiang, Yeheng.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NJ2, FITZ, WMQ, Urumqi, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NOA, NORARS Array B, ARCES, etc.

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

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

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

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like Vista de Mar, Puerto La Cruz, Conchagua, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like Oxford, Junction City, University of, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like Kansas State U, Bryant College, Los Pinos Moun, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like RKT, CTU, DAC, DBC, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like HRY, WVR, WVO, WWC, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like PPT, PPT, PPT, PPT, etc.

PAB	comp-Z,156nm,0.7s,mb5.8	82.17	48	P	P	15 06 14.0 +0.4
PAB						15 06 45.8 -0.6
EALB	Alborn	82.22	52	P	P	15 06 14.3 +0.4
ESDC	comp-Z,284nm,2.1s,mb5.1	82.49	48	P	P	15 06 15.9 +0.7
ESDC	Sonsec Array	82.49	48	P	P	15 06 15.9 +0.7
ESDC	comp-Z,74nm,1.0s,mb5.3,baz=261,slow=5.2,SNR=146					15 06 48.0 0.0
ESDC	comp-Z,34nm,1.1s,baz=259,slow=6.2,SNR=3.2					15 06 15.8 +0.6
ESDC	Sonsec Array	82.49	48	P	P	15 06 15.7 +0.5
ESDC	comp-Z,612nm,1.7s,mb6.0					15 06 13.8 -0.9
ESLA	Sonsec Array	82.49	48	P	P	15 06 16.7 +1.0
RES	Resolute Bay	82.51	356	P	P	15 06 16.7 +1.0
EBER	Berja	82.57	51	P	P	15 06 16.8 +0.9
GUD	Guadarrama	82.62	47	P	P	15 06 16.8 +0.9
GUD	Guadarrama	82.62	47	P	P	15 06 16.8 +0.9
GUD	Guadarrama	82.62	47	P	P	15 06 16.8 +0.9
EARI	Arriadas	82.63	45	P	P	15 06 16.3 +0.5
QSPA	South Pole Qui	82.79	180	P	P	15 06 17.5 +1.5
MAIT	Matri	83.05	161	P	P	15 06 18.3 +0.9
NVL	Nizarevskaya	83.08	160	P	P	15 06 18.2 -2.4
NVL						15 06 49.8 -0.6
BORG	Borgarnes	83.12	21	P	P	15 06 19.2 +1.3
BORG	Borgarnes	83.12	21	P	P	15 06 19.1 +1.1
ENIJ	Nijar	83.12	51	P	P	15 06 18.3 -0.2
ENIJ	Nijar	83.12	51	P	P	15 06 18.3 -0.1
EVIA	Vianos	83.31	50	P	P	15 06 20.7 +1.3
EVIA	Vianos	83.31	50	P	P	15 06 20.7 +1.3
SUMG	Summit	83.69	11	P	P	15 06 21.1 +0.6
ELAN	Lanestosa	83.85	45	P	P	15 06 22.4 +0.4
ETOB	Tobarra	84.04	50	P	P	15 06 23.8 +0.7
EMUR	La Murta	84.08	51	P	P	15 06 22.7 -0.6
CART	Cartagena	84.20	51	P	P	15 06 22.7 -1.2
CART	Cripan	84.34	46	P	P	15 06 55.1 -1.7
ECRI	Cripan	84.34	46	P	P	15 06 25.6 +1.2
CPZ	Penzance	84.47	38	P	P	15 06 25.1 +0.1
CPZ						15 06 26.9
DCN	Croghan	84.52	35	P	P	15 06 24.5 -0.6
DCN	Croghan	84.52	35	P	P	15 06 25.5 +0.4
DAWY	Dawson	84.55	337	P	P	15 06 25.0 0.0
CGW	Gweck	84.67	38	P	P	15 06 26.4 +0.5
CCA1	Carmenellis	84.70	38	P	P	15 06 26.5 +0.4
ECH	Chera	84.71	49	P	P	15 06 26.6 +0.2
CM1	Chera	84.71	49	P	P	15 06 26.6 +0.2
CM1	Manacan	84.73	38	P	P	15 06 26.3 +0.1
CRO2	Rosemarinos 2	84.73	38	P	P	15 06 26.8 +0.4
INX	Inuvik	84.77	342	P	P	15 06 26.2 +0.2
INX						15 06 59.0 0.0
INX						15 06 42.7 +1.3
INX						15 06 26.2 +0.2
INX						15 06 59.0 0.0
INX						15 06 42.7 +1.4
INX						15 06 26.0 0.0
DLF	Lyons Farm	84.92	35	P	P	15 06 26.4 -0.7
DLF	Lyons Farm	84.92	35	P	P	15 06 27.3 +0.2
DLF	Lyons Farm	84.92	35	P	P	15 06 27.3 +0.2
DSB	Dublin	85.00	35	P	P	15 06 27.4 -0.1
EBEN	Beniarada	85.06	50	P	P	15 06 28.4 +0.2
EALK	Alkurruntz	85.21	45	P	P	15 06 29.0 +0.3
EMOS	Mosqueruela	85.26	48	P	P	15 06 29.6 +0.5
QUIF	Quistinic	85.33	41	P	P	15 06 29.3 0.0
QUIF	Quistinic	85.33	41	P	P	15 06 29.3 0.0
ROSF	Rostrenen	85.38	40	P	P	15 06 29.6 +0.1
ROSF	Rostrenen	85.38	40	P	P	15 07 01.8 -0.7
ROSF	Rostrenen	85.38	40	P	P	15 06 29.6 +0.1
SJPF	Ste Jean	85.38	46	P	P	15 06 30.4 +0.8
SJPF	Ste Jean	85.38	46	P	P	15 06 02.5 -0.2
SJPF	Ste Jean	85.38	46	P	P	15 06 30.4 +0.8
SJPF	Ste Jean	85.38	46	P	P	15 06 02.5 -0.2
OSSF	Osses	85.39	46	P	P	15 06 29.7 0.0
EANR	Ain N'Sour	85.48	53	P	P	15 06 31.5 +1.2
ETRT	Tiaret	85.52	54	P	P	15 06 32.5 +2.0
LARF	Larrau	85.53	46	P	P	15 06 31.1 +0.7
GMM	Mts of Mourne	85.56	34	P	P	15 06 29.9 -0.4
ESAC	San Caprasio	85.59	47	P	P	15 06 31.4 +0.7
EYAK	Cordova Ski Ar	85.68	333	P	P	15 06 30.6 0.0
GCL	Cushendall	85.73	33	P	P	15 06 31.4 +0.9
ECHA	Ech Chief	85.73	53	P	P	15 06 33.0 +1.5
MENT	Mentasta	85.74	335	P	P	15 06 31.4 +0.4
FDNF	Les Forges d'A	85.79	46	P	P	15 06 32.5 +0.9
ETSF	Etsaut	85.80	46	P	P	15 06 32.5 +0.8
ETSF	Etsaut	85.80	46	P	P	15 06 32.5 +0.8
ETSF	Etsaut	85.80	46	P	P	15 06 32.5 +0.8
SGMF	Saint Gilles	85.81	40	P	P	15 06 31.4 -0.2
SGMF	Saint Gilles	85.81	40	P	P	15 06 31.4 -0.2
HSA	Swansea	85.82	37	P	P	15 06 31.5 0.0
HEX	Exmoor	85.83	37	P	P	15 06 31.7 +0.1
ENBR	Beni Rached	85.89	53	P	P	15 06 34.0 +1.7
DIVD	Divide 1	85.91	333	P	P	15 06 32.0 +0.9
REYF	Montagne du Re	85.96	46	P	P	15 06 33.0 +0.5
ERTA	Horta de San J	86.00	48	P	P	15 06 33.2 +0.6
YRC	Rhoscolyn	86.02	35	P	P	15 06 32.3 -0.2
YRC						15 06 35.0
YRE	Yr Eifl	86.03	36	P	P	15 06 32.9 +0.3
YRE						15 06 36.2
WCB1	Church Bay	86.08	35	P	P	15 06 32.6 -0.1
WCB1						15 06 35.3
EBR	Ebro Roquetas	86.08	48	P	P	15 06 34.5 +1.4
GMK	Mull of Kintyre	86.11	33	P	P	15 06 32.8 -0.1
SCO	Scoreboardsund	86.14	16	P	P	15 06 32.9 +0.2
SCO	Scoreboardsund	86.14	16	P	P	15 06 32.9 +0.2
SCO	Scoreboardsund	86.14	16	P	P	15 06 32.9 +0.2
WIEF	Wies	86.21	46	P	P	15 06 34.2 +0.5
MYED	Myrdal Eilian	86.22	35	P	P	15 06 33.7 +0.2
YLL	Llanberis	86.22	35	P	P	15 06 33.4 -0.1
YLL						15 06 35.1
WIM	Isle of Man	86.24	34	P	P	15 06 33.9 +0.4
WIM						15 06 35.6
EBIE	Bielsa	86.25	46	P	P	15 06 34.7 +0.8
WPM1	Pennaennau	86.41	35	P	P	15 06 34.4 0.0
WPM1						15 06 36.7
RESF	Ens	86.42	46	P	P	15 06 35.6 +0.9
HTR	Trewern Hill	86.44	37	P	P	15 06 34.3 -0.3
HTR						15 06 36.2
GALI	Galloway	86.44	34	P	P	15 06 35.4 0.0
EPF	Esparras	86.47	46	P	P	15 06 34.5 +0.4
EPF	Esparras	86.47	46	P	P	15 06 35.4 +0.4
EPF	Esparras	86.47	46	P	P	15 06 35.4 +0.4
MCH1	Michaelchurch	86.58	37	P	P	15 06 34.9 -0.3
HGH	Gray Hill	86.59	37	P	P	15 06 35.0 -0.3
HGH						15 06 37.8
LCHF	La Chataignera	86.59	42	P	P	15 06 36.0 +0.6
SSP1	Stoney Pound	86.63	36	P	P	15 06 35.4 0.0
SSP1						15 06 37.8
EPOB	Poblet	86.63	48	P	P	15 06 34.7 -1.1
SBD1	Bryn Du	86.68	36	P	P	15 06 35.7 0.0
SBD1						15 06 37.3
MELF	Melles	86.74	46	P	P	15 06 36.8 +0.6
HLM1	Long Mynd	86.79	36	P	P	15 06 36.2 -0.1
HLM1						15 06 38.0
THY	Trims Highway	86.80	335	P	P	15 06 35.9 -0.1
HAE	Alders End	86.86	37	P	P	15 06 36.6 0.0
HAE						15 06 38.3
GRR	Gorron	86.94	41	P	P	15 06 36.8 -0.3
GRR	Gorron	86.94	41	P	P	15 06 36.8 -0.3
GRR	Gorron	86.94	41	P	P	15 06 36.8 -0.3
MFF	Saint Martin d	86.98	42	P	P	15 06 37.2 -0.1
MFF	Saint Martin d	86.98	42	P	P	15 06 37.2 -0.1
MFF	Saint Martin d	86.98	42	P	P	15 06 37.2 -0.1
MLS	Moulin	87.00	46	P	P	15 06 37.7 +0.2
EMHD	Djebel Mahoud	87.00	53	P	P	15 06 37.0 -0.7
SALF	Salau	87.02	46	P	P	15 06 38.7 +1.1
EMIR	Miracle	87.08	47	P	P	15 06 37.5 -0.4
EMIR						15 06 38.3 -0.1
LFF	La Frestale	87.19	44	P	P	15 07 10.7 -0.8
LFF	La Frestale	87.19	44	P	P	15 06 38.3 -0.1
LFF	La Frestale	87.19	44	P	P	15 07 10.7 -0.8
FLN	La Foliniere	87.28	40	P	P	15 06 38.6 -0.1
FLN	La Foliniere	87.28	40	P	P	15 06 38.6 -0.1
FLN	La Foliniere	87.28	40	P	P	15 06 38.6 -0.1
SML	Sawmill	87.31	333	P	P	15 06 39.0 +0.5
SML	Sawmill	87.31	333	P	P	15 06 38.5 0.0
ESK	Eskdalemuir	87.40	34	P	P	15 06 39.3 +0.2
ESK	Eskdalemuir	87.40	34	P	P	15 06 38.6 -0.6
ESK	Eskdalemuir	87.40	34	P	P	15 06 38.9 -0.2
ESK	Eskdalemuir	87.40	34	P	P	15 06 40.8
MDO	Doehfour	87.42	31	P	P	15 06 39.1 0.0
EKA	Eskdalemuir	87.43	34	P	P	15 06 39.4 +0.1
EKA						15 07 11.4 -1.0
EKA						15 24 29.4
LDF	La Druitiere	87.47	41	P	P	15 06 39.4 -0.2
LDF	La Druitiere	87.47	41	P	P	15 06 39.4 -0.2
LDF	La Druitiere	87.47	41	P	P	15 06 39.4 -0.2
KWE	Weaver Farm	87.53	36	P	P	15 06 40.1 +0.3
VALF	Valcebolere	87.54	47	P	P	15 06 40.5 +0.4
EDI	Edinburgh	87.59	33	P	P	15 06 39.8 -0.2
EDI						15 06 41.7
PMR	Palmer	87.59	333	P	P	15 06 40.0 +0.1
PMR	Palmer	87.59	333	P	P	15 06 40.0 +0.1
ETOS	Mallorca	87.59	50	P	P	15 06 39.2 -1.2
MVH1	Achvach	87.66	31	P	P	15 06 40.4 +0.3
LHO	Holmhirth	87.67	35	P	P	15 06 40.8 +0.1
SLKM	Stikil Lake	87.73	332	P	P	15 06 40.9 +0.3
KB1	Birley Grange	87.78	36	P	P	15 06 41.3 +0.3
ILAR	Eielson Array	87.79	336	P	P	15 06 40.6 -0.1
ILAR						15 10 06.2 -4.2
RJF	Les Rejaudoux	87.81	44	P	P	15 06 40.9 -0.4
RJF	Les Rejaudoux	87.81	44	P	P	15 06 40.9 -0.4
RJF	Les Rejaudoux	87.81	44	P	P	15 06 40.9 -0.4
RJF	Les Rejaudoux	87.81	44	P	P	15 06 40.9 -0.4
MTLF	Montlieu	87.88	46	P	P	15 06 41.4 -0.3
MTLF	Montlieu	87.88	46	P	P	15 06 41.4 -0.3
HPK	Haverah Park	87.91	35	P	P	15 06 41.9 +0.3
FIB	Fire Island	87.92	332	P	P	15 06 42.4 +0.9
FILF	Filjols	87.97	47	P	P	15 06 42.0 -0.2
MCD	Coleburn Dist	88.03	31	P	P	15 06 42.2 +0.1
KDCA	Kodiak Island	88.04	329	P	P	15 06 42.2 0.0
SBA	Scott Base	88.06	191	P	P	15 06 42.9 +1.0
SBA	Scott Base	88.06	191	P	P	15 06 42.9 +1.0
CAF	Calviac	88.11	44	P	P	15 06 42.5 -0.3
CAF	Calviac	88.11	44	P	P	15 06 42.5 -0.3
EJON						

11d 14h

2005 APR

Table with columns: Station, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like Hinteralfeld, Negi, Afiamalu, etc.

Table with columns: Station, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like NORSAR Subarra, NORSAR Array B, NOA, etc.

Table with columns: Station, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like KWP, KAWARIA, FINES, etc.









Table with columns for station call signs (e.g., BALP, PALP, PCPH), frequencies, and various status indicators (e.g., P, S, eP, eS).

Table with columns for station call signs (e.g., comp=E,38um,23.5s), frequencies, and various status indicators (e.g., LR, P, eP, eS).

Table with columns for station call signs (e.g., GYA, comp=E,13um,24.0s), frequencies, and various status indicators (e.g., LR, P, eP, eS).

LZH	comp=E,20um,18.2s	LR	LR		
LZH	comp=Z,29um,20.0s	P	P		
LZH	Lanzhou 85.43 312	i/P	PP	17 21 26.1 +1.5	
LZH				17 21 45.0 +0.2	
LZH				17 24 46.5	
LZH				17 31 41.0	
LZH		S	S	17 31 50.6 +2.4	
LZH		SS	SS	17 37 32.0 +4.2	
LZH	comp=Z,535nm,1.7s,mb6.2	MLR	MLR		
LZH	comp=Z,29um,20.0s			17 21 26.1 +1.5	
LZH	Lanzhou 85.43 312	i/P	P		
LZH	comp=Z,535nm,1.7s,mb6.2	pP	P	17 21 45.0 +0.2	
LZH		sP	S	17 21 53.4 +0.7	
LZH		PP	PP	17 24 46.5 +1.5	
LZH		SKS	SKS	17 31 41.0 +1.2	
LZH		SS	SS	17 31 50.6 +2.4	
LZH		SS	SS	17 32 25.0	
LZH		SS	SS	17 37 32.0 +4.2	
LZH	comp=Z,29um,20.0s	LR	LR		
SEY	Seymchan 85.79 352	i/P	P	17 21 28.6 +2.9	
SEY		PP	P	17 21 45.5 +0.4	
SEY		e	P	17 24 46.4	
SEY		ePPP	PPP	17 26 45.8 +1.2	
SEY				17 31 45.4	
SEY	comp=Z,60nm,0.8s,mb5.6	eS	S	17 31 51.1 +0.1	
SEY		pmax	pmax		
SEY	comp=N,58um,20.9s				
SEY	comp=E,18um,22.5s				
NVL	N'lazarevskaya 86.35 187	i/P	S	17 21 26.1 -2.1	
NVL		eS	S	17 31 56.7 +0.5	
NVL		pmax	pmax		
MAIT	Maitri 86.35 187	eP	P	17 21 27.5 -0.8	
SNA	Sanae 86.53 182	i/P	P	17 21 28.9 -0.0	
SNA	Sanae 86.53 182	i/P	P	17 21 32.1 +3.0	
SNA	Sanae 86.53 182	P	P	17 21 28.0 -1.1	
SNA		pmax	pmax		
SNA	comp=Z,590nm,1.0s	P	P	17 21 27.9 -1.2	
SAO	San Andreas Ge 86.68 48	P	P	17 21 32.0 +1.3	
SAO		pmax	pmax		
SAO	comp=Z,83nm,1.0s,mb5.6				
SAO	San Andreas Ge 86.68 48	eP	P	17 21 30.3 -0.3	
SAO	comp=Z,52nm,1.3s,mb5.3				
HOPS	Hoplant 86.72 46	eP	P	17 21 31.1 +0.3	
VNA3	Neumayer-Watz 87.38 181	i/P	P	17 21 31.5 -0.3	
VNA3	Neumayer Olymp 87.08 180	i/P	P	17 21 36.4 +4.6	
KHMM	Horse Mountain 87.28 44	eP	P	17 21 33.9 +0.4	
KHMM		eP	P	17 21 53.9 +0.1	
CLNS	Chul'man 87.34 3376	i/P	PP	17 21 33.9 +0.5	
CLNS		ePPP	PP	17 21 41.5 -1.2	
CLNS		iS	PS	17 31 52.9	
CLNS		ePS	PS	17 33 15.0 -3.6	
CLNS	comp=Z,140nm,1.4s,mb5.7	pmax	pmax		
CLNS	comp=N,71nm,1.3s	pmax	pmax		
VNA2	Neumayer-Watz 87.38 181	i/P	P	17 21 33.3 0.0	
VNA2	Neumayer-Watz 87.38 181	i/P	P	17 21 37.6 +4.3	
KRMB	Red Mountain 87.51 43	P	P	17 21 35.7 +1.1	
VNA1	Neumayer-Watz 87.67 180	i/P	P	17 21 35.8 +1.1	
MWC	Mount Wilson 87.84 52	P	P	17 21 37.4 +1.0	
MWC	Mount Wilson 87.84 52	eP	P	17 21 36.5 +0.2	
WDC	Whiskeytown Da 87.89 45	eP	pmax	17 21 36.8 +0.4	
WDC		pmax	pmax		
WDC	comp=Z,307nm,1.7s,mb6.1				
WDC	Whiskeytown Da 87.89 45	eP	P	17 21 36.8 +0.3	
WDC	comp=Z,307nm,1.7s,mb6.1				
CMB	Columbia Colle 88.04 48	P	S	17 21 37.4 +0.2	
CMB		S	S	17 32 17.0 +4.1	
CMB		sS	S	17 32 51.5	
CMB	Columbia Colle 88.04 48	eP	P	17 21 37.2 0.0	
CMB		pmax	pmax		
CMB	comp=Z,85nm,1.2s,mb5.7				
CMB	Columbia Colle 88.04 48	eP	P	17 21 37.2 0.0	
CMB	comp=Z,85nm,1.2s,mb5.7				
SLKM	Skilak Lake 88.10 18	eP	P	17 21 37.2 +0.3	
BAR	Barrett 88.15 54	eP	P	17 21 38.2 +0.4	
YBH	Yreka Blue Hor 88.39 43	eP	pmax	17 21 39.7 +1.0	
YBH		pmax	pmax		
YBH	comp=Z,244nm,1.7s				
YBH	Yreka Blue Hor 88.39 43	P	P	17 21 39.1 +0.3	
YBH	comp=Z,13nm,1.1s,mb4.9,baz=192,slow=2.5,SNR=11	LR	LR	17 51 15.5	
YBH	comp=Z,16um,21.9s,baz=242,slow=29				
YBH	Yreka Blue Hor 88.39 43	eP	P	17 21 39.7 +0.9	
YBH	comp=Z,244nm,1.7s,mb6.0				
USHA	Ushuaia Array Bea 89.50 150	P	P	17 21 38.6 -0.4	
USHA	comp=Z,28nm,0.9s,mb5.3,baz=197,slow=7.0,SNR=16				
HUMO	Hull Mountain 88.69 43	eP	P	17 21 40.8 +0.7	
HUMO	comp=Z,308nm,1.8s,mb6.0				
PFO	Pinyon Flat Ob 88.74 53	P	pmax	17 21 40.8 +0.2	
PFO		pmax	pmax		
PFO	comp=Z,240nm,2.3s,mb5.8				
PFO	Pinyon Flat Ob 88.74 53	eP	P	17 21 39.9 -0.8	
PFO	comp=Z,238nm,2.3s,mb5.8				
TIN	Tin City 88.76 9	eP	P	17 21 40.3 +0.4	
TIN	comp=Z,23um,1.8s				
ONM	Old Mammoth Mi 88.80 48	P	P	17 21 41.9 +1.0	
MTUM	Tungsten Hills 88.97 49	eP	P	17 21 42.2 +0.6	
WCN	Washoe City 89.10 47	P	P	17 21 43.6 +1.4	
WCN		pmax	pmax		
WCN	comp=Z,52nm,1.0s,mb5.5				
WCN	Washoe City 89.10 47	eP	P	17 21 42.8 +0.6	
WCN	comp=Z,52nm,1.1s,mb5.5				
DAC	Darwin (Calif) 89.15 50	eP	P	17 21 43.2 +0.7	
DAC	comp=Z,89nm,1.5s,mb5.6				
AGT	Agartala 89.53 296	i/P	P	17 21 45.0 +0.5	
AGT				17 22 45.0	
PAHR	Pah Rah Range 89.55 46	eP	P	17 21 44.1 -0.2	
PAHR	comp=Z,51nm,1.3s,mb5.5				
NVAR	Mina Array Bea 89.67 48	P	P	17 21 45.6 +0.7	
NVAR	comp=Z,6.2nm,0.7s,mb4.9,baz=205,slow=4.7,SNR=64				
NVAR		PKKPbc	PKKPbc	17 39 20.7	
NVAR	comp=Z,2.9nm,0.7s,baz=91,slow=4.7,SNR=70				
NVAR		PKPPK	PKPPK	17 47 27.5	
NVAR	comp=Z,0.9nm,0.5s,baz=50,slow=1.6,SNR=6.5				
NVAR		LR	LR	17 56 11.6	
SHL	Shillong 89.69 298	i/P	S	17 21 45.7 +0.4	
SHL		S	S	17 32 08.0 -2.0	
SHL		iS	S	17 32 08.7 +0.9	
ULL	Ulaanbaatar 89.75 323	i/P	P	17 21 45.6 +0.6	
BILL	Bilibino 89.76 358	P	P	17 21 44.3 -0.3	
BILL		pmax	pmax		
BILL	comp=Z,290nm,1.7s,mb6.1				
BILL	Bilibino 89.76 358	i Pr	P	17 21 44.0 -0.6	
MNV	Mina 89.76 358	eP	P	17 21 45.8 +0.4	
MNV	comp=Z,256nm,1.8s,mb6.0				
YAK	Yakutsk 89.80 342	i/P	S	17 21 45.4 +0.5	
YAK		eSS	S	17 32 28.0 +0.1	
YAK		eSSS	SP	17 33 44.1 +6.7	
YAK		pmax	pmax		
YAK	comp=E,3.0nm,1.2s				
YAK		pmax	pmax		
YAK	comp=Z,19nm,1.2s,mb5.1				
YAK		pmax	pmax		
YAK	Yakutsk 89.80 342	i Pr	P	17 21 44.9 0.0	
GTA	Gaotai 89.86 313	i/P	PP	17 21 46.7 +1.0	
GTA		PP	PP	17 25 18.0 -3.3	
GTA		SKS	SKS	17 32 08.7 +0.9	
GTA		S	S	17 32 29.2 -0.4	
GTA		SS	SS	17 38 31.9 -0.2	
GTA	comp=Z,58nm,1.8s,mb5.4	AMB	AMB		
GTA	comp=Z,2um,9.9s	LR	LR		
GTA	comp=N,7um,25.1s	LR	LR		
GTA	comp=E,10um,23.6s	LR	LR		
GTA	comp=Z,22um,24.3s	LR	LR		

DIV	Divide 89.93 20	eP	P	17 21 45.0 -0.6	
DIV	comp=Z,135nm,1.2s,mb6.0				
MOD	Modoc 90.02 44	eP	P	17 21 47.1 +0.7	
MOD	comp=Z,95nm,1.3s,mb5.8				
SONM	Songino Array 90.10 323	P	P	17 21 47.0 +0.4	
SONM	comp=Z,17nm,0.6s,mb5.4,baz=115,slow=1.6,SNR=100				
SONM		PKKPbc	PKKPbc	17 39 17.4	
SONM	comp=Z,5.8nm,1.0s,baz=272,slow=2.2,SNR=14				
SONM		PKPPK	PKPPK	17 47 23.7	
SONM	comp=Z,4.3nm,1.1s,baz=269,slow=1.8,SNR=10				
SONM		LR	LR	17 57 54.6	
TPH	Tonopah 90.25 49	eP	pmax	17 21 48.1 +0.5	
TPH	comp=Z,100nm,1.3s,mb5.8				
TPH	Tonopah 90.25 49	eP	pmax	17 21 48.1 +0.5	
TPH	comp=Z,100nm,1.3s,mb5.8				
LDFC	Landfair 90.39 52	eP	P	17 21 49.1 +0.7	
BBB	Bella Bella 91.06 33	LR	LR	17 56 01.6	
BBB	comp=Z,8um,19.9s,baz=238,slow=31				
MCK	McKinley 91.06 17	eP	P	17 21 49.9 -0.9	
MCK		pmax	pmax		
MCK	comp=Z,24nm,1.0s,mb5.3				
MCK	McKinley 91.06 17	eP	P	17 21 49.9 -0.8	
MCK	comp=Z,24nm,1.0s,mb5.3				
BMN	Battle Mountain 91.35 47	P	P	17 21 54.0 +1.3	
BMN		pmax	pmax		
BMN	comp=Z,110nm,1.3s,mb5.8				
BMN	Battle Mountain 91.35 47	eP	P	17 21 53.3 +0.6	
BMN	comp=Z,109nm,1.3s,mb5.8				
WVOR	Wild Horse Val 91.36 44	eP	pmax	17 21 52.8 +0.1	
WVOR		pmax	pmax		
WVOR	comp=Z,113nm,1.4s,mb5.8				
WVOR	Wild Horse Val 91.36 44	eP	P	17 21 52.8 +0.1	
WVOR	comp=Z,113nm,1.4s,mb5.8				
CAL	Calcutta 91.45 294	e	P	17 21 58.6 +5.1	
CAL		e	P	17 25 37.5	
TRCR	Troy Canyon 91.52 49	eP	P	17 21 53.8 +0.1	
TRCR	Trims Highway 91.70 18	eP	P	17 21 52.8 -0.9	
IMA	Indian Mountain 91.82 14	P	P	17 21 54.8 +0.6	
IMA		pmax	pmax		
IMA	comp=Z,490nm,2.1s,mb5.4				
IMA	Indian Mountain 91.82 14	eP	P	17 21 54.6 +0.4	
LSA	Lhasa 91.98 301	eP	P	17 21 56.1 +0.3	
LSA		AP	PP	17 22 05.0 -1.1	
LSA		XP	PP	17 22 08.6 -1.5	
LSA		PP	PP	17 25 32.1 -6.4	
LSA	comp=Z,40nm,1.2s,mb5.3	AMB	AMB		
LSA		AMB	AMB		
LSA	comp=Z,1um,10.7s	LR	LR		
LSA	comp=N,5um,41.2s	LR	LR		
LSA	comp=E,9um,30.9s	LR	LR		
LSA	comp=Z,10um,29.2s	LR	LR		
LSA	Lhasa 91.98 301	eP	pmax	17 21 57.1 +1.3	
LSA		pmax	pmax		
LSA	comp=Z,48nm,1.1s,mb5.6				
LSA	Lhasa 91.98 301	eP	P		

Table with columns for station name, frequency, and various signal quality indicators (P, S, Pdiff, etc.). Includes stations like Makanchi Array, Zalesovo, Alma-Ata, and many others.

Table with columns for station name, frequency, and various signal quality indicators. Includes stations like Makhachkala, Kilima Mbogo, Tromso, David-gareji, Joensuu, and many others.

Table with columns for station name, frequency, and various signal quality indicators. Includes stations like NOA, NORARS Array B, Malin Array Be, Hagflops, and many others.





Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BUCH, MCH1, LBG, WLF, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like IMI, SURF, SURF, ORIF, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SISC, SISC, RHKS, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Padang Panjang, Kuching, Songkhla, etc.

Table with columns: KSH, eS, S, 18 34 23.0, -3.0. Includes stations like Urumqi, Karagaybulak, Almayaysha, etc.

Table with columns: ANN, pmax, pmax, 18 30 41.4, +0.3. Includes stations like Maqedan, Keskin Array, Voronezh, etc.

11d 18h:34.0, 0.9, 13.69N:92.86E, mb4.2/8, mb1 4.2/9, mb1mx3.9/2.3, mbtmp4.1/9, ML3.5/1, Error ellipse: s-maj=11, 1.1km s-min=8.7km az=50.0















MAN 11 22:30:43.0, 13.35N-120.82E, h1km, mb4.0, ML2.8, MS2.5, ID, Mindoro

CSEM 11 22:32:30.2, 0.1, 34.42N-26.67E, h2km, MD3.6, Error ellipse: s-maj=6.4km s-min=2.8km az=26.0

ATH 11 22:32:31.5, 34.46N-26.59E, h16km, 2km, MD3.6/6

NEIC 11 22:32:31.5, 34.46N-26.59E, h16km, MD3.6(ATH), After ATH

ISC 11 22:32:31.1, 0.9, 34.38N-0.08, 26.67E, 0.05, h16km, n25, e19129, mb3.8/4, Crete

Code Station Name Az AZ Phase ID Time Res

Code Station Name Az AZ Phase ID Time Res

Code Station Name Az AZ Phase ID Time Res

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Code Station Name Az AZ Phase ID Time Res

Code Station Name Az AZ Phase ID Time Res

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Code Station Name Az AZ Phase ID Time Res

Code Station Name Az AZ Phase ID Time Res

Code Station Name Az AZ Phase ID Time Res

Code Station Name Az AZ Phase ID Time Res

ms1mx2.6/32, Error ellipse: s-maj=27.6km s-min=16.5km az=60.0

JMA 11 23:01:54.0, 0.5, 22.88N-120.67E, M4.7

NEIC 11 23:01:58.6, 1.8, 23.19N-120.69E, h34km, 13km, mb4.4/8, ML4.6, 7(TAP), Error ellipse: s-maj=7.4km s-min=6.3km az=160.0

ISC 11 23:01:56.0, 0.2, 23.28N-0.01, 120.48E, 0.01, h5km, n116, e1828/165, mb4.2/20, MS3.0/3, 9C-5D, Taiwan

Code Station Name Az AZ Phase ID Time Res

Code Station Name Az AZ Phase ID Time Res

Code Station Name Az AZ Phase ID Time Res

Code Station Name Az AZ Phase ID Time Res

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Table of station data for 12d 3h, including columns for station name, coordinates, and various parameters like elevation and signal strength.

Table of station data for 2005 APR, including columns for station name, coordinates, and various parameters like elevation and signal strength.

Table of station data for 2005 APR, including columns for station name, coordinates, and various parameters like elevation and signal strength.

NEIC 12 02:44:20.7, 37.15S; 176.89E, h17km, ML4.1 (WEL), After WEL

Table of station data for NEIC 12 02:44:20.7, 37.15S; 176.89E, h17km, ML4.1 (WEL), After WEL.

CASC 12 02:52:53.2, 2.14, 0.08N-91.61W, h80km, 16km, MD4.1, ML4.9, 2C-10D, Guatemala

Table of station data for CASC 12 02:52:53.2, 2.14, 0.08N-91.61W, h80km, 16km, MD4.1, ML4.9, 2C-10D, Guatemala.

ISK 12 03:07:02.2, 38.35N-26.84E, h30km, MD2.8

ATH 12 03:07:03.1, 38.14N-26.82E, h33km, 4km, MD3.1/3

CSEM 12 03:07:03.5, 0.2, 39.20N-26.93E, h19km, 2km, MD2.8

ISC 12 03:07:02.7, 1.38, 17N-03.26, 77E-0.06, h1km, 8km, n13, c08122, Aegean Sea

Table of station data for ISC 12 03:07:02.7, 1.38, 17N-03.26, 77E-0.06, h1km, 8km, n13, c08122, Aegean Sea.

IDC 12 03:10:38.3, 1.6, 1.86S-99.46E, mb4.0/9, mb1 4/2/9, mb1mx3.9/19, mbtmp4.0/9, Error ellipse: s-maj=77.2km

s-min=16.5km az=57.0

NEIC 12 03:10:43.2, 0.7, 1.75S-99.63E, h30km, mb4.3/2, Error ellipse: s-maj=29.5km s-min=9.3km az=63.0

ISC 12 03:10:41.7, 1.0, 1.75S-99.63E, 0.2, h33km, n16, c069112, mb4.1/10, Southern Sumatra

Table of station data for ISC 12 03:10:41.7, 1.0, 1.75S-99.63E, 0.2, h33km, n16, c069112, mb4.1/10, Southern Sumatra.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BVAR Borovoye Array, CHZK Chkalovo, FINES FINESS Array B, etc.

DJA 12 03:21:47.8, 7.3, 2.58S-98.98E, h80km, mb4.2/2, Error ellipse: s-maj=233.6km s-min=31.0km az=78.0

IDC 12 03:21:47.1, 0.5, 1.65S-99.71E, mb4.4/20, mb1 4.5/21, mb1 mx4.4/23, mb1mp4.4/21, ML4.3/1, MS3.8/2, MS1 3.9/2, ms1mx3.2/28, Error ellipse: s-maj=23.4km s-min=12.8km az=52.0

BJJ 12 03:21:48.8, 2.13S-99.79E, h42km, mb5.0, mb4.6, Ms4.8, Ms4.2

NEIC 12 03:21:51.6, 0.3, 1.66S-99.78E, h30km, mb4.8/17, Error ellipse: s-maj=9.4km s-min=5.2km az=52.0

ISC 12 03:21:50.1, 0.3, 1.71S-100.05S-99.73E, 0.5, h32km, h32km1, 3km: p-P, n80, a=113/77, mb4.5/36, MS4.2/9, 13C-1D, Southern Sumatra

Main table of station data for the left column, including codes like PPI, PENI, KULM, etc., and station names like Padang Panjang, Pendangan, Kulim, etc.

Main table of station data for the middle column, including codes like KSH, WMO, Urumqi, etc., and station names like Borovoye Array, Chkalovo, etc.

DJA 12 03:54:37.0, 0.4, 1.97S-99.60E, h2km, mb5.2/4, Error ellipse: s-maj=17.6km s-min=5.7km az=54.0

BJJ 12 03:54:40.7, 2.35S-99.93E, h47km, mb5.1, mb4.9, Ms5.1, Ms4.9

IDC 12 03:54:44.0, 0.2, 1.1, 7.3S-99.84E, h24km, mb5.1/3km, mb4.7/26, mb1 4.8/26, mb1mx4.8/26, mb1mp4.9/26, MS4.4/5, Ms1 4.5/5, ms1mx4.1/23, Error ellipse: s-maj=15.0km s-min=9.3km az=53.0

CSEM 12 03:54:44.7, 1.56S-99.99E, h33km, mb5.5

NEIC 12 03:54:45.0, 0.1, 1.76S-99.85E, mb5.3/63, MS5.0/97, Error ellipse: s-maj=5.8km s-min=3.3km az=222.0

NEIC Felt (I) at Padang and (II) at Padangpanjang, Sumatra. MOS 12 03:54:44.6, 0.8, 1.46S-99.90E, h33km, mb5.6/32, MS4.6/7, Error ellipse: s-maj=18.3km s-min=6.8km az=118.3

HRVD 12 03:54:45.0, 0.4, 1.82S-99.83E, h121km, MW5.1/51, Centroid moment tensor solution. LP body waves: s36c53; Mantle waves: s51c80; Half duration: 0 Moment tensor: CoSa 1016Nm; Mr3.63t.28; Mw-1.39t.19; Mw-2.25t.24; Mo0.90t.35; Ms2.92t.16; Mr3.85t.49; Best double couple: Ms5.823t.1016 Np1.12t.38, 1.39t.39; NP2.35t.30, d68t.1.21t. Principal axes: T 6.16, P1g56t, Azm301t; N-.68S, P1g28t, Azm157t; P-5.48S, P1g17t, Azm59t; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 12 03:54:43.1, 0.2, 1.74S-100.03-99.85E, 0.03, h32km, h32km1, 6km: p-P, n394, a106/300, mb5.1/104, MS4.9/117, 51C-7D, Southern Sumatra

Main table of station data for the middle column, including codes like Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KSH Kashi, KPM Padang Panjang, etc.

Main table of station data for the right column, including codes like KKM, TSM, TAN, etc., and station names like Kota Kinabalu, Tawau, etc.









Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like BJ Beijing, KSH Kashi, WMQ Urumqi, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like GNI Garni, SVE Sverdlovsk, ZEI Tsey, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like FINES, KAF Kangasini, OJC Moray, etc.

BUI 12 04:29:51.9, 2.64S:99.92E, h30km, mb5.3, mb4.8, MS5.2, Msz.0

DJA 12 04:29:56.9, 0.7, 1.95S:99.60E, h33km, mb5.3/6, Error ellipse: s-maj=25.9km s-min=5.9km az=63.0

MOS 12 04:29:59.4, 1.0, 1.71S:99.88E, h33km, mb5.5/30, MS4.6/8, Error ellipse: s-maj=10.8km s-min=5.6km az=124.2

HRVD 12 04:30:00.6, 0.5, 1.79S:99.81E, h26km, 1km, MW5.2/52, Centroid motion Tensor Solution. LP body waves: s=52.7, H=67.7, Half duration: 190

NEIC 12 04:30:00.7, 0.1, 1.76S:99.80E, h30km, mb5.3/53, MS5.1/103 Error ellipse: s-maj=5.6km s-min=3.2km az=23.0

NEIC Foli [I] at Padang and [II] at Padangpanjang, Sumatra. IDC 12 04:30:01.3, 1.9, 1.77S:99.85E, h33km, 12km, mb4.6/18, Ms1 4.7/18, mb1mx4.7/19, mbtm4.8/18, MS4.8/9

CSEM 12 04:30:05.0, 0.67S:99.67E, h33km, mb5.5 ISC 12 04:30:05.0, 0.2, 1.78S:99.81E, 0.03, h32km, h32km, 9km; p-P, n343, r193/240, mb5.1/87, MS5.0/125, 26C-25D, Southern Sumatara

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like PPI Padang Panjang, PSI Prapat, KGM Kugang, etc.







Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for ZAL, STKA, STKA, BVAR, CHKZ, CHKZ, BRTR, BOSB, BOSB, FINES, ARCES, GERES, TXAR, LRAL.

IDC 12 06:26:39.5-1.8, 15.735-173.98W, h94km, 18km, mb3.7/8, mb1 4.0/9, mb1mx3.8/18, mbtmp4.1/9, Error ellipse: s-maj=44.3km s-min=13.9km az=140.0, NEIC 12 06:26:40.5-1.2, 15.745-174.00W, h103km, 12km, mb4.4/2, Error ellipse: s-maj=26.5km s-min=9.5km az=141.0, ISC 12 06:26:38.7-1.6, 15.75-20.17W, 10.2, h99km, 16km, n14, c046/16, mb3.9/9, 1D, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for AFI, AFI, AFI, URZ, STKA, STKA, WARR, WARR, ASAR, ASPA, MWBA, NVAR, TXAR, TXAR, ILAR, ILAR, PDAR.

IDC 12 06:29:33.7-2.9, 2.09S-99.14E, mb3.8/7, mb1 4.0/7, mb1mx3.8/18, mbtmp3.9/7, Error ellipse: s-maj=123.0km s-min=18.6km az=59.0, NEIC 12 06:29:38.4-1.9, 2.08S-99.23E, h30km, mb4.4/1, Error ellipse: s-maj=77.8km s-min=12.3km az=60.0, ISC 12 06:29:36.3-2.5, 2.1S-0.39E, 1.0, h33km, n10, c084/8, mb4.0/7, Southern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for CMAR, WRA, WRAB, ASAR, STKA, SONM, MKAR, ZAL, TXAR, JCT.

IDC 12 06:47:27.3-3.3, 60.55S-43.86W, mb4.1/2, mb1 4.2/2, mb1mx3.6/16, mbtmp4.1/2, Error ellipse: s-maj=346.5km s-min=38.5km az=8.0, Scotia Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for LBTB, MATP, YKA, INK, MKAR, ILAR.

IDC 12 06:49:56.8-1.1, 5.36N-93.39E, mb4.1/10, mb1 4.3/11, mb1mx4.0/24, mbtmp4.1/11, Error ellipse: s-maj=47.1km s-min=16.4km az=55.0, NEIC 12 06:50:01.5-0.5, 5.35N-93.40E, h30km, mb4.5/2, Error ellipse: s-maj=14.1km s-min=7.6km az=52.0, ISC 12 06:50:01.9-6.4, 5.4N-0.2, 93.5E-0.3, h48km, 52km, n21, c057/18, mb4.2/12, Off west coast of northern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for KULM, CM51, CMAR, LSA, FITZ, MKAR, MKAR, WRAB, WRAB, ASAR, ZAL, BVAR, MRL, ARCES, ARCES, GERES, PDAR, TXAR.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for JCT, NEIC 12 07:18:42.9, 0.9, 34.28S-70.61W, h10km, ML3.4(GUC), After GUC, GUC 12 07:18:42.9, 0.9, 34.28S-70.61W, h10km, 2km, MD3.7, ML3.4, 5C-4D, Chile-Arizona border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for CACH, CACH, CICH, SFDO, SFDO, LMEL, LMEL, PCH, PCH, SJCH, SJCH, SJCH, SJCH, TACH, TACH, LNV, LNV, LNV, LNV, STL, STL, DSCH, DSCH, DSCH, DSCH, CLCH, CLCH, CLCH, CLCH, FCH, FCH, FCH, FCH, ROCH, ROCH, TALC, TALC, IHA, IHA, JACH, JACH, JACH, JACH, LNCH, LNCH, LNCH, LNCH, PACH, PACH, PACH, PACH, CNCO, CNCO, CNCO, CNCO, CHNG, CHNG, CHNG, CHNG, CCHI, CCHI, CCHI, CCHI.

IDC 12 07:22:05.0-2.2, 42.48S-88.70E, mb3.8/4, mb1 4.1/4, mb1mx3.8/16, mbtmp3.8/4, MS4.0/15, MS1 4.0/15, ms1mx3.8/27, Error ellipse: s-maj=54.6km s-min=34.0km az=90.0, Southeast Indian Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for NWAO, MAW, ASAR, ASAR, STKA, STKA, WRA, WRA, VVDA, VVDA, BOSB, BOSB, MKAR, MKAR, USHA, USHA, AFAR, AFAR, SONM, PLCA, ZAL, DBIC.

IDC 12 07:27:53.8-0.9, 6.76N-73.02W, h167km, 9km, mb3.4/9, mb1 3.7/12, mb1mx3.5/24, mbtmp4.1/2, Error ellipse: s-maj=15.9km s-min=10.2km az=102.0, NEIC 12 07:27:53.8-0.6, 6.75N-73.04W, h168km, 6km, mb3.8/3, Error ellipse: s-maj=8.8km s-min=6.9km az=91.0, ISC 12 07:27:53.0-0.6, 6.78N-0.06E, 73.00W-0.07, h174km, 6km, n21, c076/21, mb3.6/11, Northern Colombia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for ROSC, ROSC, SDV, SDV, OTAV, OTAV, JTS, JTS, SAML, SAML, SAML, SAML, LPAZ, LPAZ, SIV, SIV, BDBF, BDBF, TXAR, TXAR, WMOK, WMOK, ISCO, ISCO, ULM, ULM, MSU, MSU, SCHO, SCHO, PDAR, PDAR, YKA, YKA, YKA, YKA.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for YKA, YKA, ILAR, ILAR, ASAR, ASAR, WRA, WRA, DJA 12 07:47:39.9-0.9, 9.35S-113.70E, h15km, MD4.6/3, ML3.6/3, 3C, Error ellipse: s-maj=18.4km s-min=12.0km az=51.0, South of Jawa

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for SRDI, SRDI, KELI, KELI, KELI, KELI, RATI, RATI, RATI, RATI, KEDI, KEDI, KEDI, KEDI.

IDC 12 07:50:45.0-3.0, 1.60S-99.78E, mb3.7/5, mb1 3.8/6, mb1mx3.6/18, mbtmp3.6/6, ML3.7/1, Error ellipse: s-maj=124.2km s-min=21.5km az=58.0, NEIC 12 07:50:49.7-1.2, 1.54S-99.85E, h30km, mb4.3/1, Error ellipse: s-maj=46.1km s-min=12.3km az=65.0, ISC 12 07:50:48.9-1.8, 1.45S-0.2, 99.9E, h33km, n10, c080/8, mb3.7/5, Southern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for KULM, CMAR, WRA, WRAB, ASAR, SONM, MKAR, ZAL, TXAR, JCT.

FUNV 12 07:50:49.6, 10.98N-62.17W, h103km, MW2.8, NEIC 12 07:50:54.5, 11.06N-62.16W, h11km, MD2.9(TRN), After TRN, TRN 12 07:50:54.5, 11.06N-62.16W, h12km, MD2.9, ISC 12 07:50:49.6-0.4, 10.85N-0.04, 62.36W-0.03, h100km, n18, c1938/33, 1C, Near coast of Venezuela

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for GUIV, GUIV, GUIV, GUIV, ITEV, ITEV, TRN, TRN, TRN, TRN, TPP, TPP, TBH, TBH, TBH, TBH, GRW, GRW, BOT, BOT, PCRV, PCRV, IBAV, IBAV, IBAV, IBAV, GURV, GURV, GURV, GURV, MERV, MERV, MERV, MERV, LUEPA, LUEPA, CAOV, CAOV, CAOV, CAOV, BAUV, BAUV, PAVY, PAVY, PAVY, PAVY.

NEIC 12 07:51:32.4, 31.01S-66.38W, h13km, mb4.4/3, MD4.3(SJA), After SJA, NEIC 12 07:51:34.7, 31.01S-66.65W, mb3.7/2, mb1 3.9/6, mb1mx3.7/18, mbtmp3.8/6, ML3.9/2, MS1 3.5/2, ms1mx2.6/21, Error ellipse: s-maj=25.8km s-min=13.2km az=144.0, GUC 12 07:51:35.2-0.7, 30.97S-66.70W, h240km, 29km, n32, c104/44, mb3.9/5, MS3.5/2, 7C-1D, La Rioja Province

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for CFAA, CFAA, ZON, ZON, ZON, ZON, TLL, TLL, TLL, TLL, JACH, JACH, FCH, FCH, FCH, FCH, CLCH, CLCH, DSCH, DSCH, PCH, PCH, PCH, PCH, ROCH, ROCH, RCDM, RCDM, RCDM, RCDM, CHCH, CHCH, CHCH, CHCH, TACH, TACH, TACH, TACH, CACH, CACH, CACH, CACH, CICH, CICH, CICH, CICH, LCOH, LCOH, LCOH, LCOH, SFDO, SFDO, SFDO, SFDO, LVC, LVC, LVC, LVC, PLCA, PLCA, PLCA, PLCA, LPAZ, LPAZ, LPAZ, LPAZ.























Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ZAL Zalesovo, BOD Bodoibo, BVAR Borovoye Array, etc.

12d 17:32:54.4-3.4, 1.35N-97.75E, mb3.6/5, mb1 3.7/6, mb1mx3.6/20, mbtm3.6/6, Error ellipse: s-maj=132.6km s-min=23.1km az=61.0, Northern Sumatara

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

12d 17:49:04.5-3.4, 1.25S-100.15E, mb3.3/3, mb1 3.5/4, mb1mx3.4/18, mbtm3.2/4, ML3.4/1, Error ellipse: s-maj=146.6km s-min=23.9km az=57.0, Southern Sumatara

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

12d 17:49:12.0-0.6, 1.56S-99.55E, h24km, 3km, mb4.0/15, mb1 4.1/16, mb1mx4.0/21, mbtm4.1/16, ML3.9/1, Error ellipse: s-maj=21.9km s-min=11.4km az=52.0

NEIC 12 17:49:13.2-0.3, 1.57S-99.63E, mb4.5/10, Error ellipse: s-maj=13.6km s-min=6.0km az=56.0

12d 17:49:11.2-0.4, 1.56S-0.08-99.64E, 0.10, h26km, h26km, 5km, pp-P, n44, c097/39, mb4.3/23, 2C-3D, Southern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KULM Kulim, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BOSA Boshof, VRI Vri Vri, MLR Muntiole Rosu, etc.

NEIC 12 18:04:02.7, 39.34S-175.05E, h29km, ML3.8(WEL), After WEL

WEL 12 18:04:02.6-0.1, 39.35S-175.05E, h30km, ML3.6/21, 3C-5D, Error ellipse: s-maj=57.5km s-min=0.4km az=90.0, North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VRRZ Vera Road, MTVZ Mangateitei, FWVZ Far West T-bar, etc.

Table with columns: LTZ Lake Taylor, OUZ Omahuta, MOZ MQueen's Vall, ODZ Otauhu Downs

NEIC 12 18:05:11.5-1.5, 1.70S-99.82E, mb4.0/1, Error ellipse: s-maj=91.1km s-min=13.1km az=66.0

12d 18:05:14.4-2.2, 1.11S-100.58E, h27km, 7km, mb3.4/4, mb1 3.5/4, mb1mx3.4/18, mbtm3.5/4, Error ellipse: s-maj=117.9km s-min=21.0km az=56.0

ISC 12 18:05:10.5-2.1, 1.65S-0.2-99.9E, 0.4, h33km, n9, c06/617, mb3.7/5, Southern Sumatara

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

NEIC 12 18:25:9, 35.68N-22.30E, h35km, MD3.7(AH), After ATH

CSEM 12 18:25:9, 35.68N-22.30E, h35km, MD3.7(AH), After ATH

ATH 12 18:25:8, 35.67N-22.29E, h35km, 2km, MD3.7/8, Central Mediterranean Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KYTH Kithira, VLI Velai, ITM Ithomi, etc.

NEIC 12 18:46:0.0-0.8, 1.93S-99.76E, mb4.6/1, Error ellipse: s-maj=32.7km s-min=10.9km az=57.0

12d 18:47:0.1-1.8, 1.64S-100.07E, h29km, 5km, mb3.9/9, mb1 4.1/9, mb1mx3.8/18, mbtm4.1/9, Error ellipse: s-maj=106.4km s-min=13.7km az=51.0

ISC 12 18:45:47.9, 1.85S-0.2-99.9E, 0.2, h33km, (h26km, 1.8km, pp-P), n14, c08/89/11, mb4.2/10, Southern Sumatara

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

NEIC 12 18:25:54.3-1.4, 1.54S-99.87E, mb4.3/1, Error ellipse: s-maj=49.2km s-min=13.2km az=64.0

12d 18:25:56.2-2.6, 1.36S-100.15E, h35km, 8km, mb3.4/5, mb1 3.5/6, mb1mx3.4/18, mbtm3.6/6, ML3.9/1, M53.0/1, mb1 3.2/1, ms1mx2.7/21, Error ellipse: s-maj=102.0km s-min=17.2km az=59.0

ISC 12 18:25:52.5-1.1, 1.55S-0.2-99.9E, 0.3, h33km, (h33km, 1.1km, pp-P), n9, c103/8, mb3.7/6, Southern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KULM Kulim, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

12d 18:36:48.0-1.3, 1.75S-99.81E, mb4.1/10, mb1 4.3/10, mb1mx4.0/19, mbtm4.2/10, Error ellipse: s-maj=64.9km s-min=15.2km az=55.0

NEIC 12 18:36:52.6-0.5, 1.74S-99.86E, h30km, mb4.3/3, Error ellipse: s-maj=20.7km s-min=7.0km az=63.0

ISC 12 18:35:9.3-3.3, 1.65S-0.3-100.0E, 0.4, h43km, 46km, n18, c059/17, mb4.2/12, Southern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KULM Kulim, CMAR Chiang Mai Arr, FITZ Fitzroy Crossi









12d 23h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Induced, Poland. Includes stations like AML Almayashu, EKS2 Erkin-Say, VNSA Vanda, SBA Scott Base, MAW Mawson, etc.

PRU 12 22:31:26.6, 0.5, 15N, 19.05E
WAR 12 22:31:25.9, 0.5, 10N, 19.18E, h0km, ML2.5, Mining

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Induced, Poland. Includes stations like OJC Ojcow, RAC Raciborz, Ostrava-Krasne, etc.

NEIC 12 22:32:10.5, 41.71S, 174.29E, h16km, ML4.3(WEL), After WEL

WEL 12 22:32:10.5, 0.1, 41.71S, 174.29E, h17km, ML4.3/2B, 4C-6D, Error ellipse: s-maj=0.8km s-min=0.8km az=90.0,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Induced, Poland. Includes stations like CMWZ Cape Campbell, BSWZ Blackbirch Sta, TUWZ Tuamarina, etc.

MOS 12 22:36:48.0, 1.2, 5.12N, 19.11E, h10km, mb4.0/1, Error ellipse: s-maj=10.9km s-min=8.5km az=76.7

CSEM 12 22:36:48.0, 0.2, 5.0, 19N, 19.05E, h2km, ML3.3/4, Error ellipse: s-maj=5.2km s-min=2.2km az=3.0

IPEC 12 22:36:48.0, 0.1, 5.0, 12N, 19.08E, h4km, ML2.2/3, Error ellipse: s-maj=2.4km s-min=0.7km az=164.0

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Induced, Poland. Includes stations like OJC Ojcow, RAC Raciborz, Ostrava-Krasne, etc.

IDC 12 22:39:37.2, 0.2, 1.21N, 97.23E, mb3.9/6, mb1 4.0/7, mb1mx3.8/20, mbtmp3.9/7, ML4.0/1, Error ellipse: s-maj=90.5km s-min=18.4km az=59.0

BUI 12 22:39:39.1, 0.59N, 97.18E, h52km, MB5.1, mb4.4 NEIC 12 22:39:42.7, 0.7, 1.19N, 97.34E, h30km, mb4.3/9, Error ellipse: s-maj=19.9km s-min=9.3km az=58.0

ISC 12 22:39:41.3, 0.8, 1.2N, 101.1, h33km, m21, 0.87D/20, mb4.3/16, IC, Northern Sumatera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Induced, Poland. Includes stations like KULM Kulim, CMAR Chiang Mai Arr, KMI Kuming, etc.

IDC 12 22:46:01.3, 1.7, 5.51N, 94.46E, mb3.8/6, mb1 4.0/6, mb1mx3.7/20, mbtmp3.8/6, Error ellipse: s-maj=103.8km s-min=20.7km az=52.0, Northern Sumatera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Induced, Poland. Includes stations like CMAR Chiang Mai Arr, MKAR Makanchi Arr, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Induced, Poland. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, BVAR Borovoye Arr, etc.

IDC 12 22:55:38.9, 0.9, 0.36S, 96.86E, mb4.3/7, mb1 4.4/8, mb1mx4.0/20, mbtmp4.3/8, ML4.3/1, Error ellipse: s-maj=36.6km s-min=17.9km az=51.0

BUI 12 22:55:42.5, 0.2, 30S, 97.00E, h30km, mb4.5 NEIC 12 22:55:41.8, 0.7, 0.28S, 96.99E, h30km, mb4.2/2, Error ellipse: s-maj=14.7km s-min=6.6km az=71.0

ISC 12 22:55:41.8, 0.7, 0.28S, 96.99E, h30km, m17, 0.66E/14, mb4.3/9, ID, Southwest of Sumatera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Induced, Poland. Includes stations like KULM Kulim, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

IDC 12 23:20:18.9, 3.8, 20.48S, 168.52E, mb4.0/3, mb1 4.2/3, mb1mx3.9/14, mbtmp4.0/3, ML2.8/1, Error ellipse: s-maj=110.6km s-min=39.0km az=130.0, Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Induced, Poland. Includes stations like DZM Mont Dzumac, NOUC Port Laguerre, STKA Stephens Creek, etc.

IDC 12 23:22:45.3, 3.6, 1.80N, 96.54E, mb3.5/2, mb1 3.7/3, mb1mx3.4/19, mbtmp3.5/3, ML3.4/1, Error ellipse: s-maj=134.4km s-min=31.2km az=59.0, Off west coast of northern Sumatera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Induced, Poland. Includes stations like CMAR Chiang Mai Arr, WRA Warramunga Arr, MKAR Makanchi Arr, etc.

NNC 12 23:31:44.1, 1.5, 0.38N, 96.70E, mpv3.6, Error ellipse: s-maj=117.7km s-min=62.1km az=2=51.0

ISC 12 23:31:45.2, 2.6, 38.8N, 0.1, 71.0E, 0.2, h33km, n10, 0.841/12, SC, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Induced, Poland. Includes stations like AML Almayashu, KK31 Karatay Arr, UCH Uchter, etc.

IDC 12 23:43:11.9, 9.2, 1.2, 0.5N, 96.13E, mb3.9/4, mb1 4.1/5, mb1mx3.7/19, mbtmp3.9/5, ML4.0/1, MS3.3/1, Ms1 3.5/1, mb1mx2.9/25, Error ellipse: s-maj=75.6km s-min=30.4km az=57.0

NEIC 12 23:43:17.4, 0.9, 2.11N, 96.36E, h30km, mb4.3/5, Error ellipse: s-maj=18.5km s-min=12.1km az=31.0

ISC 12 23:43:23.9, 6.2, 96.4E, 0.1, h30km, n15, 0.859/15, mb4.2/3, Northern Sumatera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Induced, Poland. Includes stations like KULM Kulim, CMAR Chiang Mai Arr, SHL Shillong, etc.

IDC 12 23:46:01.3, 1.7, 5.51N, 94.46E, mb3.8/6, mb1 4.0/6, mb1mx3.7/20, mbtmp3.8/6, Error ellipse: s-maj=103.8km s-min=20.7km az=52.0, Northern Sumatera

















Table with columns: Code, Station Name, Time, Res, h, m, s, ISC. Includes stations like GERES, BRG, KBA, KHC, WET, etc.

IDC 13 03:12:34.8, 3.0, 0.03N, 124.49E, h53km, 26km, mb4.4/18, mb1 4.5/19, mb1mx4.4/23, mbtmp4.6/19, ML4.7/1, Error ellipse: s-maj=22.8km s-min=12.2km az=71.0

NEIC 13 03:12:36.7, 1.4, 0.05S, 124.47E, h73km, 13km, mb5.0/23, Error ellipse: s-maj=12.2km s-min=6.1km az=67.0

ISC 13 03:12:36.1, 1.0, 0.07S, 124.40E, 124.48E, 0.08, h64km, gkkm, n70, a1503/62, mb4.8/40, 4C-1D, Southern Oolite Res

Table with columns: Code, Station Name, Time, Res, h, m, s, ISC. Includes stations like ZMHP, BUKP, PAGZ, etc.

Table with columns: Code, Station Name, Time, Res, h, m, s, ISC. Includes stations like MDJ, GTA, JIRN, GUN, PKI, KKN, DMN, GKN, KOLN, HIA, HIA, ULN, SONM, WMQ, etc.

IDC 13 03:30:19.4, 3.2, 0.85N, 97.51E, mb3.6/4, mb1 3.8/5, mb1mx3.6/19, mbtmp3.6/5, ML3.5/1, Error ellipse: s-maj=120.2km s-min=23.2km az=62.0, Northern Sumatera

MDD 13 03:30:40.3, 3.0, 35.35N, 13.19W, h27km, 170km, mBLg2/B13, Error ellipse: s-maj=162.0km s-min=26.4km az=50.0, PRXIMO

CSEM 13 03:30:41.7, 0.5, 35.56N, 12.92W, h10km, ML3.4/8, Error ellipse: s-maj=9.7km s-min=8.1km az=17.0

INMG 13 03:30:42.0, 4.0, 37.28N, 13.28W, h10km, ML2.4, Error ellipse: s-maj=7.2km s-min=5.9km az=144.0

ISC 13 03:30:43.1, 1.4, 35.91N, 0.07, 127.70E, 0.19, h10km, n28, a124/51, Azores-Cape St. Vincent Ridge

Table with columns: Code, Station Name, Time, Res, h, m, s, ISC. Includes stations like CMAR, PTEO, WRA, etc.

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

MOS 13 03:47:21.6, 0.9, 45.80N, 149.41E, h143km, mb3.7/5, Error ellipse: s-maj=22.1km s-min=15.1km az=58.6

JDC 13 03:47:22.4, 0.5, 45.09N, 149.66E, h130km, M3.6 JDC 13 03:47:23.4, 2.9, 45.91N, 149.33E, h135km, 28km, mb3.4/10, mb1 3.6/12, mb1mx3.4/23, mbtmp3.8/12, Error ellipse: s-maj=23.8km s-min=17.9km az=152.0

NEIC 13 03:47:23.9, 1.4, 45.85N, 149.37E, h145km, 13km, mb8.8/1, Error ellipse: s-maj=14.7km s-min=10.8km az=125.0

ISC 13 03:47:20.1, 0.7, 45.15N, 149.7E, 0.1, h150km, n52, a1541/61, mb3.5/11, 1C, Kuril Islands

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





13d 4h

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations in the 13d 4h range.

2005 APR

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations in the 2005 APR range.

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Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations in the 572 range.

Table with columns: SWZ, Schweizer, 1.38 257, eP, P, 04 11 09.5 -0.7, 04 11 26.7 -1.5, 04 11 30.4

MAN 13 04:44:05.4, 19.38N, 120.25E, h4km, mb4.4, ML3.2, MS3.0
NEIC 13 04:45:02.0, 19.47N, 120.47E, h10km, mb4.3/2, Error ellipse: s-maj=18.9km s-min=9.9km az=70.0

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

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

NEIC 13 05:27:19.9, 2.1, 38.99N, 11.26W, h10km, MG4.1 (MDD), Error ellipse: s-maj=26.0km s-min=5.4km az=75.0

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

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

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

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

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

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

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

Table with columns: PALC, Alcouthim, 3.25 118, ePn, Pn, 05 28 12.1 -2.3, 05 28 46.4 -6.1

NEIC 13 05:42:09.4, 2.2, 9.03N, 92.51E, mb3.8/5, mb1 3/6, mb1 3/6, Error ellipse: s-maj=73.9km s-min=24.0km az=68.0, Nicobar Islands region

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

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

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

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

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

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

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

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

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

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

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

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

NEIC 13 06:05:48.3, 3.8, 36.52N, 142.07E, h2km, mb3.5/8, Error ellipse: s-maj=26.8km s-min=16.8km az=179.1

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

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

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

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

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

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

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

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

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

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

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

NEIC 13 05:44:55.9, 19.12N, 64.68W, h4km, MD3.5 (RSPR),

NDI 13 06:07:03.2, 4.7, 18.06N, 76.62E, h6km, 17km, ML3.5













Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl.

Table with columns for flight codes (e.g., MJAR, MAJO, MAT), destinations (e.g., Asahikawa, Kunigami, Wanjou Array Si Incheon), times, and status indicators (e.g., P, S, eP, eS).

Table with columns for flight codes (e.g., BJT, WHN, HIA, HHC), destinations (e.g., Baijiatuu, Wuhan, Hailar, Hu-ho-hao-te), times, and status indicators (e.g., P, S, eP, eS).

Table with columns for flight codes (e.g., BILL, CMAR, WMQ, MKAR, PKI, KKN, DMN, SWV2, GKN, KOLN, KDAK, IMA, WRAB, TENNANT, WRAB, WB2, WRA, WRA, WRA, WRA, FITZ, FITZ, FITZ, FITZ, SLKM, PWA, PMR, ULTH, LGTI, TKM2, COLA, COLA, KZA, KBK, USP, FRU, FRU, FRU, ILAR, ILAR, ILAR, ILAR, AAK, AAK, UCH, EKS2, AML, CHKZ, CHKZ, SDNR, BVA0, BVA0, BVAR, BVAR), destinations (e.g., Bilibino, Chiang Mai Arr, Chiang Mai Arr, Lhasa, Urumqi, Novosibirsk, Gumbaba, Pulchoki, Kakanj, Kakanj, Daman, Sparrevohnd, Gorkha, Koldanda, Kodiak Island, Indian Mountain, Tennant Creek, Tennant Creek, Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr, Fitzroy Crossi, Fitzroy Crossi, Fitzroy Crossi, Fitzroy Crossi, Skiak Lake, Palmer West, Palmer, Ulahol, Lohaghat, Tokmak 2, College, College, Kyzart, Karagaybulak, Snp=10.0, Bishkek, Eielson Array, Eielson Array, Eielson Array, Eielson Array, Ala-Archa, Ala-Archa, Erkin-Say, Almayashu, Chkalovo, Sundarnagar, Borovoye Array, Borovoye Array, Borovoye Array), times, and status indicators (e.g., P, S, eP, eS, pP, pS, pP, pS).







Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Matakaoa Point, Puketiti, Urewera, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CAUAY, PALAN, CALLO, etc.

MAN 13 12:28:44.3, 17.14N.121.96E, h33km, mb3.6, ML2.3, MS2.0, 1D, Luzon

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KAKA, FITZ, WRAB, WRA, WRA, WRA, etc.

JMA 13 12:34:48.9, 0.2, 25.64N x 122.34E, h221km, M3.9, Taiwan region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like YOJ, IRIF, JKRS, HATJ, etc.

WEL 13 12:39:58.8, 0.4, 36.91S x 177.53E, h12km, ML3.7/5, 2C, Error ellipse: s-maj=3.4km s-min=2.9km az=0.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MXZ, PUK, URZ, etc.

NIED 13 12:49:00, 33.80N, 130.10E, h14km, Mw3.7 Best double couple: M3.41x1014 NP1=207°, δ88°, λ-170°. NP2: φ=171°, δ80°, λ-2°

JMA 13 12:49:12.7, 33.78N-130.10E, h1km, M3.5, SC-1D Broadband fault plane solution: P waves, NP1=95°, 338° λ-15° NP2=197°, 881° λ-127° Principal axes: T P1g26°, Azm316°; N P1g37°, Azm205°; P P1g42°, Azm72°; Kyushu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like JJI, JJI, JJI, etc.

IDC 13 12:50:04.2, 3.2, 1.54N-97.16E, mb3.8/4, mb1 3.9/5, mb1mx3.6/20, mbtmp3.7/5, ML3.5/1 Error ellipse: s-maj=114.6km s-min=26.5km az=59.0, Northern Sumatara

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CMAR, WRA, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SONM, MKAR, ZAL, etc.

JMA 13 12:54:37.1, 42.57N-145.24E, h46km, 1km, M3.4, IDC 13 12:54:40.6: 13.0, 43.89N-144.70E, mb3.7/6, mb1 3.8/6, mb1mx3.5/25, mbtmp3.7/6, Error ellipse: s-maj=327.4km s-min=32.6km az=165.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like JAK, NEM, JNK, etc.

CSEM 13 12:55:22.0, 8.8, 38.65N x 28.58W, h10km, ML1.9, Error ellipse: s-maj=4.1km s-min=2.4km az=1.0, After PDA 13 12:55:22.0, 8.8, 38.65N x 28.58W, h10km, MD2.8, ML1.9, Error ellipse: s-maj=4.1km s-min=2.4km az=1.0, Azores

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CALA, CALA, CALA, etc.

IDC 13 12:55:28.6, 3.4, 28.77S x 177.44W, mb3.6/3, mb1 3.8/3, s-mb1mx3.7/4, mbtmp3.6/3, Error ellipse: s-maj=7.2km s-min=23.9km az=11.0, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like RAO, RAO, STKA, etc.

IDC 13 12:58:26.0, 1.0, 1.72S-99.62E, h37km, 7km, mb3.6/10, mb1 3.7/10, mb1mx3.6/19, mbtmp3.8/10, MS3.0/1, Ms1 3.2/1, ms1mx2.8/24, Error ellipse: s-maj=31.6km s-min=14.2km az=54.0

NEIC 13 12:58:25.7, 0.5, 1.72S-99.60E, mb4.5/1, Error ellipse: s-maj=16.6km s-min=8.7km az=63.0, IDC 13 12:58:23.8, 0.7, 1.75S-101.99E, h37km, h37km, 1.3km, p-P, n13, φ=55/12, mb3.9/10, MS2.8/1, Southern Sumatara

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KULM, CMAR, CMAR, etc.

NNC 13 13:28:18.0, 0.78, 0.36, 11N-69.60E, h52km, 99km, mpv4.0, Error ellipse: s-maj=1731.3km s-min=47.2km az=26.0, IDC 13 13:28:16.3, 2.2, 36.12N-109.69E, 0.3, h100km, n13, φ=53/14, 2C-3D, Hindu Kush region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like AML, KK31, UCH, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SDNR, CHMS, ULHL, etc.

NEIC 13 13:32:47.9, 31.95S-71.03W, h68km, After GUC, NEIC Felt [III] at Ilapel, Mincha and Salamanca, GUC 13 13:32:47.9-0.7, 31.95S-71.03W, h68km, 3km, ML4.0, 9C-6D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like PTCH, PTCH, CHNG, etc.

IDC 13 13:59:59.6, 2.95N-94.07E, mb3.6/3, mb1 3.8/4, mb1mx3.6/20, mbtmp3.5/4, ML3.6/1, MS3.5/1, Ms1 mx2.9/22, Error ellipse: s-maj=193.0km s-min=28.8km az=71.0, Off west coast of northern Sumatara

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CMAR, NWAO, WRA, etc.

MAN 13 13:45:10.3, 14.40N-123.29E, h223km, mb4.1, ML2.9, MS2.7, 1C, Luzon

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like GOP, POLP, POLP, etc.

IDC 13 13:50:12.8, 2.6, 1.15N-97.05E, mb3.7/4, mb1 3.9/5, mb1mx3.6/20, mbtmp3.7/5, ML3.6/1, MS3.1/1, Ms1 3.3/1, ms1mx2.9/22, Error ellipse: s-maj=96.7km s-min=22.8km az=60.0

IDC 13 13:50:15.8, 2.0, 1.2N-102.97E, 0.4, h33km, n6, φ=93/6, mb3.7/4, Northern Sumatara

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CMAR, SHL, WRA, etc.

IDC 13 14:10:3.0, 0.9, 4.00S-96.75E, mb3.9/7, mb1 4.0/8, mb1mx3.9/18, mbtmp3.9/8, ML3.8/1, Error ellipse: s-maj=33.5km s-min=19.4km az=50.0

NEIC 13 14:14:15.0, 0.0, 0.32S-96.93E, h30km, mb4.5/4, Error ellipse: s-maj=15.9km s-min=8.6km az=56.0, IDC 13 14:14:13.1, 0.6, 0.28S-109.96E, 0.1, h30km, n19, φ=90/18, mb4.1/13, Southern Sumatara

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KULM, CMAR, JIRN, etc.

13d 16h

Table with columns: BRTR Keskin Array B, FINES FINES Array B, GERES GERES Array B, TXAR Lajitas Array. Includes station names, coordinates, and status.

IDC 13 14:22:30.3; 16.0, 3.86N-95.30E, mb3.4/2, mb1 3.7/3, mb1mx3.4/19, mbtmp3.4/3, ML3.7/1, Error ellipse: s-maj=428.0km s-min=49.7km az=80.0, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Chiang Mai Arr, Warrungarra Arr, ASAR Alice Springs.

JMA 13 14:31:16.8; 0.2, 24.77N-122.21E, h68km, M2.2, TAP 13 14:31:16.8, 24.26N-122.17E, h65km, 1km, ML3.2, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YON Yonaguni jima, IRIF Iriomote-Funau, HATJ Hateruma jima.

PRU 13 14:33:01.5, 50.23N-18.65E, WAR 13 14:32:58.1, 50.26N-18.86E, h0km, ML2.5, Mining Induced, Poland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like OJC Ojcow, OKC Ostrava-Krasne, NIE Niedzica.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KSP Ksziaz, VYHS Vyhne, PRU Pruhonice.

IDC 13 14:39:47.1; 19.0, 12.69S-167.29E, h150km, 175km, mb3.4/5, mb1 3.7/5, mb1mx3.4/16, mbtmp3.8/5, Error ellipse: s-maj=106.9km s-min=51.5km az=147.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA Warrungarra Arr, ASAR Alice Springs, FITZ Fitzroy Crossi.

IDC 13 14:44:14.8; 2.8, 0.98N-96.73E, mb3.7/4, mb1 3.8/5, mb1mx3.6/19, mbtmp3.6/5, ML2.9/1, Error ellipse: s-maj=100.5km s-min=28.9km az=58.0, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, WRA Warrungarra Arr, SONM Songoing Array.

JMA 13 15:05:57.3; 0.4, 24.12N-122.12E, h28km, M2.2, TAP 13 15:05:56.4, 24.06N-122.22E, h13km, 1km, ML3.0, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YON Yonaguni jima, IRIF Iriomote-Funau, JKRS Kuro-shima.

IDC 13 15:06:02.2; 1.1, 1.82S-99.73E, mb4.0/10, mb1 4.2/10, mb1mx4.0/18, mbtmp4.0/10, MS3.3/2, Ms1 3.3/2, ms1mx2.9/25, Error ellipse: s-maj=53.6km s-min=15.7km az=53.0

NEIC 13 15:06:06.0; 0.7, 1.79S-99.76E, h30km, mb4.5/1, Error ellipse: s-maj=26.6km s-min=9.0km az=59.0

IDC 13 15:06:05.7; 0.8, 1.75S-101.99E, mb3.0/2, h33km, n17, +084/15, mb4.1/10, MS3.1/2, Southern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KULM Kulim, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, FITZ Fitzroy Crossi.

2005 APR

Table with columns: ZAL Zalesovo, BRTR Keskin Array B, FINES FINES Array B, GERES GERES Array B, TXAR Lajitas Array.

MEX 13 15:18:45.0; 1.3, 17.40N\*101.02W, h20km, 40km, MD3.6, 1C, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ZIIG Zihuatanejo, ZIIG Zihuatanejo, CAIG El Cayaco.

IDC 13 15:23:10.0; 7.9, 0.33N-98.69E, mb3.5/2, mb1 3.7/3, mb1mx3.4/19, mbtmp3.4/3, ML3.3/1, MS3.3/1, Ms1 3.3/1, ms1mx2.5/22, Error ellipse: s-maj=241.2km s-min=37.1km az=69.0, Northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, WRA Warrungarra Arr, ASAR Alice Springs, MJAR Matsushiro Arr.

STR 13 15:43:03.0; 0.2, 44.48N-6.98E, h5km, 1km, ML2.4, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

LDG 13 15:43:03.0; 7.0, 1.44, 49N-7.00E, h2km, MD2.5/1, ML2.6/9, Error ellipse: s-maj=1.9km s-min=1.2km az=69.0

NEIC 13 15:43:03.8; 4.4, 48N-6.98E, h5km, ML2.6(LDG), ML2.6(ENJ), ML2.4(STR), After STR

CSEM 13 15:43:03.4; 0.1, 44.48N-7.02E, h10km, ML2.5/9, Error ellipse: s-maj=1.3km s-min=1.0km az=74.0

GEN 13 15:43:03.0; 4.4, 49N-6.92E, h1km, ML2.6, ISC 13 15:43:02.9; 0.2, 44.47N-7.01E, h1km, 0.01-6.94E-0.02, h12km, 2km, n61, +0875/107, 2C, France

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SURF Saint Ours, SURF Prazzo, DZI San Damiano.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like STV Sta Anna Valdi, STV Anna Valdi, STV2 Anna di Valdie.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ENR Entraque, ENR Entraque, ENR Bricherasio.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MONE Monesi, MONE Monesi, CALN Calern.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RSP Reno Superiore, RSP Reno Superiore, REVF Revere.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IMI Imperia, IMI Imperia, FRF La Foret Royal.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FIN Finale Ligure, FIN Finale Ligure, LSD Ceresole Reale.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LPL La Plagne, LPL La Plagne, TAVF Tavernes.

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Table with columns: PRAF Bertagne, BERF Bertagne, GELF Grand-Etoile, VIVF Saint-Julien-l'Arche, VIVF Saint-Julien-l'Arche.

MAN 13 15:43:28.5; 7.34N-126.58E, h1km, mb4.5, ML3.4, MS3.3, 1D, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MATI Mati, KCP Kudapan, BUKP Butuan.

IDC 13 15:47:58.2; 13.0, 17.50S-178.76W, h51km, 173km, mb3.3/7, mb1 3.5/7, mb1mx3.2/18, mbtmp4.2/7, Error ellipse: s-maj=91.6km s-min=51.9km az=162.0

ISC 13 15:47:58.5; 1.3, 17.65S-0.6:178.8W-0.3, h600km, n9, +036/9, mb3.9/8, Fiji Islands region

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

ISC 13 15:51:31.3; 6.1, 21.42S\*170.00E, h80km, 41km, mb4.0/8, mb1 4.2/9, mb1mx4.0/18, mbtmp4.3/9, ML3.8/1, MS3.4/1, Ms1 3.3/1, ms1mx2.5/20, Error ellipse: s-maj=57.8km s-min=35.2km az=139.0

NEIC 13 15:51:31.7; 2.5, 21.49S-170.08E, h91km, 14km, mb4.2/2, Error ellipse: s-maj=41.2km s-min=20.4km az=148.0

ISC 13 15:51:33.0; 3.6, 21.3S-0.3:169.8E-0.3, h101km, 22km, n21, +089/20, mb4.2/9, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, DZM Mont Dzumac, DZM Mont Dzumac.

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FITZ Fitzroy Crossi, MJAR Matsushiro Arr, CMAR Chiang Mai Arr.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SONM Songoing Array, BRG Bergjeshubel, CLL Colim.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KHC Kasperske Hory, GERES GERES Array B, DAVOX Davos.

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

CSEM 13 16:09:19.6; 0.6, 38.66N-28.52W, h5km, ML1.5, Error ellipse: s-maj=3.9km s-min=1.9km az=31.0, After PDA PDA 13 16:09:19.6; 0.6, 38.66N-28.52W, h5km, MD2.8, ML1.5, Error ellipse: s-maj=3.9km s-min=1.9km az=31.0

SVSA 13 16:09:19.6; 0.6, 38.66N-28.52W, h5km, MD2.8, ML1.5, Error ellipse: s-maj=3.9km s-min=1.9km az=31.0, Azores Islands

NMC 13 16:24:05.2,4.0,30.39N,68.21E,h26km,47km,Error

ellipse: s-maj=65.4km s-min=15.1km az=117.0

ISC 13 16:23:57.0,3.0,29.74N,0.04,68.27E,0.03,h33km,n64,

13143/70,mb4.0/18,4C-8D,Pakistan

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

IDC 13 16:29:41.8, 1.3, 0.70S, 98.49E, mb4.3/7, mb1 4.4/8,

mb1mx4.0/19, mbtmp4.2/8, ML3.9/1, Error ellipse:

s-maj=79.2km s-min=15.8km az=59.0

NEIC 13 16:29:46.2, 0.8, 0.68S, 98.55E, h30km, mb4.2/3, Error

ellipse: s-maj=26.3km s-min=7.1km az=68.0

ISC 13 16:29:44.8, 1.3, 0.65S, 0.1, 98.6E, 0.2, h33km, n16,

058/15, mb4.3/9, 1D, Southern Sumatera

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

ZAL Zalesovo 55.55 350 P P 16 39 19.5 +0.3

BVAR Borovoye Array 144.43 35 P P 16 39 38.7 -0.8

TXAR Lajitas Array 144.43 35 PKP P 16 49 19.4 +1.0

CSEM 13 16:34:30.0, 0.3, 67.02N, 20.76E, h5km, ML1.9, Error

ellipse: s-maj=9.8km s-min=7.2km az=33.0, Mining

explosion. HEL 13 16:34:31.6, 0.1, 67.07N, 20.91E, ML1.9, ML2.5(UPP),

Explosion UPP 13 16:34:31.0, 67.07N, 20.93E, h1km, ML2.5, Mining

explosion. ISC 13 16:34:30.3, 0.5, 67.05N, 0.03, 20.97E, 0.08, n26, s19/09/39,

Sweden

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists various seismic stations in Sweden and their data points.

IDC 13 16:37:00.9, 0.7, 55.35S, 129.43W, mb4.1/6, mb1 4.3/6,

mb1mx4.2/16, mbtmp4.1/6, MS4.6/16, Ms1 4.6/16,

ms1mx4.5/21, Error ellipse: s-maj=36.6km s-min=22.4km

az=166.0

NEIC 13 16:37:01.9, 0.4, 54.76S, 129.36W, h10km, mb4.6/2, Error

ellipse: s-maj=18.1km s-min=16.8km az=119.0

ISC 13 16:37:02.0, 0.8, 55.0S, 0.2, 129.3W, 0.2, h10km, n52,

13131/17, mb4.4/9, MS4.6/16, 7C, Pacific-Antarctic Ridge

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

NEIC 13 17:20:24.9, 37.88S, 176.72E, h6km, ML4.0(FEL), After

WEL.

NEIC 13 17:20:25.0, 0.1, 37.87S, 176.73E, h6km, ML3.9/1, 7C-3D,

WEL. Error ellipse: s-maj=0.9km s-min=0.8km az=90.0, North

Island

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

MTLF Montoliou 146.88 90 ePKIKP PKPdf 16 56 42.0 -2.8

CAC Calviac 147.74 88 ePKIKP PKPdf 16 56 42.6 -3.6

LASF St Croix 148.27 90 ePKIKP PKPdf 16 56 44.1 -2.9

SMRF Saint-Julien 149.20 92 ePKIKP PKPdf 16 56 45.5 -3.0

VWV Saint-Julien 149.20 90 ePKIKP PKPdf 16 56 46.2 -2.3

FRF La Foret Royal 149.56 94 ePKIKP PKPdf 16 56 44.7 -4.4

SMF Signal de Mont 149.74 86 ePKIKP PKPdf 16 56 46.0 -3.3

ORIF Oris-en-Rattie 149.94 91 ePKIKP PKPdf 16 56 46.9 -2.8

ORIF 192m, 20.5s

LPG La Plagne 150.77 91 ePKIKP PKPdf 16 56 48.0 -2.9

LPL La Plagne 150.77 90 ePKIKP PKPdf 16 56 47.9 -3.0

GERESS Array B 156.57 90 PKP PKPdf 16 56 57.4 -1.4

0.8m, 0.7s, baz=90, slow=1.3, SNR=7.5

CLL Collin 157.28 84 ePKP2 PKPab 16 57 30.0 -0.2

CSEM 13 16:51:17.0, 0.3, 40.68N, 29.12W, h5km, ML3.2, Error

ellipse: s-maj=6.8km s-min=3.7km az=94.0, After PDA

PDA 13 16:51:17.0, 0.9, 40.68N, 29.12W, h5km, MD3.0, ML3.2,

Error ellipse: s-maj=9.9km s-min=5.0km az=95.0

SVSA 13 16:51:17.0, 0.9, 40.68N, 29.12W, h5km, MD3.0, ML3.2,

Error ellipse: s-maj=9.9km s-min=5.0km az=95.0

Azores Islands Region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists various seismic stations in the Azores Islands and their data points.

CASC 13 17:04:34.2, 2.1, 13.87N, 91.41W, h7km, 161km, MD3.8,

5C-2D, Near coast of Guatemala

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

NEIC 13 17:20:24.9, 37.88S, 176.72E, h6km, ML4.0(FEL), After

WEL.

NEIC 13 17:20:25.0, 0.1, 37.87S, 176.73E, h6km, ML3.9/1, 7C-3D,

WEL. Error ellipse: s-maj=0.9km s-min=0.8km az=90.0, North

Island

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

ATH 13 17:20:34.9, 39.32N, 21.97E, h4km, MD3.1/5

THE 13 17:20:34.9, 39.32N, 21.98E, h15km, ML3.1

NEIC 13 17:20:34.9, 39.32N, 21.97E, h4km, MD3.1(ATH), After



Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like Agios Georgios, Evrytania, Litokhoron, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like Las Campanas, Vallenar, La Serena, etc.

DJA 13 17:29:14.9, 4.8, 6.50S, 97.07E, h48km, 18km, mb5.0/6, Error ellipse: s-maj=122.3km s-min=13.8km az=57.0

BUI 13 17:29:32.5, 1.60S, 99.94E, h26km, mb5.0, mb4.9, Ms5.1, Ms24.9

MOS 13 17:29:33.7, 0.7, 1.53S, 99.94E, h33km, mb5.5/29, MS4.6/7, Error ellipse: s-maj=15.6km s-min=6.7km

IDC 13 17:29:34.7, 0.5, 1.69S, 99.87E, h34km, mb4.5/23, mb1.4/5/23, mb1mx4.5/23, mbtmp4.7/23, MS4.4/16, Ms1.4/4/16, ms1mx4.2/37, Error ellipse: s-maj=14.4km s-min=8.6km az=47.0

NEIC 13 17:29:34.6, 0.2, 1.71S, 99.88E, mb5.3/54, Error ellipse: s-maj=5.4km s-min=4.0km az=222.0

NEIC Felt (I) at Padang and (J) at Padangpanjang, Sumatra. HRVD 13 17:29:34.6, 0.4, 1.82S, 99.63E, h21km, km, MW5.0/51, Centroid moment Tensor Solution. LP body waves:

s32,c44,Manile waves: s51,c87; Half duration: 0 Moment tensor: Scale 10^19Nm, M-r:3.491, 23; M-s:1.93; 74; M-w:1.50; 16; M-a2:7.1; 27; M-a2:0.75; 09; M-a1:25; 28; Best double couple: M-4.631x10^19 NP1%:335; 84%; 4.134%; NP2%:102; 862; 1.59%. Principal axes: T5.19, Plg60°, Azm325°; N-1.117, Plg27°, Azm118°; P-4.073, Plg11°, Azm214°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

CSEM 13 17:29:34.0, 1.62S, 100.02E, h33km, mb5.6

ISC 13 17:29:32.8, 0.2, 1.73S, 0.03, 99.91E, 0.03, h31km, h31km, 6km, pP, n284, 0.95/269, mb5.1/96, MS4.5/53, 35C-13D, Southern Sumatara

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like Padang Panjang, Kluang, Ipoh, etc.

Table with columns: KMI, comp, Z, 2um, 15.0s, MS4.8, LR, LR. Includes stations like Kunming, Marble Bar, Diego Garcia, etc.

Table with columns: NJ2, comp, Z, 1um, 16.9s, MS4.7, LR, LR. Includes stations like Warramunga Arr, Tarrant Creek, Sheshan, etc.





Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PGD Poggio Sodo, CTI Castel Tesino, MOX Moxa, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like IPM Iphoh, KULM Kulim, KGM Kluang, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PKI Pulchoki, LSA Lhasa, GUN Gamba, etc.

ROM 13 18:46:07.6:0.4, 44.69N, 9.33E, h33km, 2km, MD3.4/5, ML3.3/1.0, Error ellipse: s-maj=1.4km s-min=1.2km az=0.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BOB Bobbio (Coli), GENL Genova Unvers, etc.

IDC 13 17:38:00.1±6.0, 0.39S, 102.46E, mb3.5/3, mb1 3.8/3, mb1mx3.2/28, Error ellipse: s-maj=227.3km

WAR 13 18:12:53.6:1.514N-16.06E, h1km, ML2.6, Mining Induced

ISC 13 18:12:50.8:0.7, 51.56N, 16.03E, h0.05, n13, 0.1330/24, Poland

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like FIN Finale Ligure, GUSL Gusciola, etc.

GUC 13 18:06:06.8:0.5, 33.24S, 70.20W, h6km±2km, MD3.7, ML2.1, 4C, Chile-Argentina border region

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MDI Monti di Nese, ZCCA Zocca, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like CLCH Cerro Calan, PCH Pirque, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KNC Novy Kostel, Ojcow, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MONI Monesi, IMI Imperia, etc.

IDC 13 18:09:18.1±1.1, 0.99N-97.24E, mb4.3/11, mb1 4.3/12, mb1mx4.1/22, mbtmp4.2/12, ML4.5/1, MS3.7/2, Ms1 3.8/2, ms1mx3.0/27, Error ellipse: s-maj=42.1km s-min=15.4km az=55.0

NEIC 13 18:36:03.2:0.6, 1.60S-99.75E, h30km, mb4.4/7, Error ellipse: s-maj=23.0km s-min=8.7km az=61.0

ISC 13 18:36:02.1:0.8, 1.55S, 101.99E, h0.23km, n27, 0.1803/23, mb4.4/15, MS3.5/1, Southern Sumatera

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JACH Jahuel, TACH Talagante, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, CM31 Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PII Pisa, ORO Oropa, etc.













Table with 5 columns: STKA, Stephens Creek, Casey, etc. Columns include station name, time, and other identifiers.

IDC 14 01:26:04.5:1.4, 12.48N, 123.86E, mb3.9/5, mb1 4.0/5, mb1mx3.7/20, mbtmp3.9/5, Error ellipse: s-maj=213.5km

MAN 14 01:26:06.6, 12.94N, 124.72E, h13km, mb4.8, ML3.7, MS3.6

ISC 14 01:26:07.9:0.8, 12.88N, 124.75E, 0.07, h41km, 8km, mb1.0, <math>0.98R/22, mb3.9/5, 2C-1D, Samar</math>

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists various stations like Catarmen, Virac, etc.

SKHL 14 01:30:59.0:0.2, 48.64N, 141.97E, h10km, 2km, mb4.1/5, MS3.7/1, msh4.1/1, Sakhalin Island

NEIC 14 01:34:51.2, 34.54N, 24.69E, h19km, MD3.5(ATH), After ATH

CSEM 14 01:34:51.2, 34.54N, 24.69E, h19km, MD3.5/4, After ATH

ATH 14 01:34:52.8, 34.62N, 24.77E, h21km, 4km, MD3.5/7, Crete

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like GVD, XRY, VAM, etc.

IDC 14 01:35:25.6:2.0, 1.89S, 99.28E, mb3.7/7, mb1 4.0/7, mb1mx3.7/18, mbtmp3.8/7, MS3.6/1, Ms1 3.5/1, ms1mx2.7/15, Error ellipse: s-maj=85.9km

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like CMAR, WRA, ASAR, etc.

NEIC 14 01:44:34.9:0.6, 35.36S, 71.74W, h56km, MD3.6(GUC), After GUC

GUC 14 01:44:34.9:0.6, 35.36S, 71.74W, h56km, 3km, MD3.6, ML3.2, 2C-2D, Central Chile

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like TALC, SFDO, CHILLAN, etc.

MDD 14 01:56:19.0:0.6, 37.75N, 1.69W, h23km, 6km, mbLg1.1/5, Error ellipse: s-maj=110.7km s-min=4.9km az=118.0, PRXIMO, Spain

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like EMUR, ENIJ, ENIU, etc.

IDC 14 02:11:39.3:1.7, 0.64N, 97.06E, mb3.7/5, mb1 3.9/6,

mb1mx3.7/18, mbtmp3.7/6, ML4.2/1, Error ellipse: s-maj=70.0km s-min=21.9km az=57.0, Northern Sumatera

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like CMAR, SHL, WRA, etc.

DJA 14 02:22:25.1:1.0, 1.78S, 120.30E, h81km, 30km, MD4.4/3, Error ellipse: s-maj=37.2km s-min=27.2km az=20.0, Sulawesi

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like BUNI, TANI, NINI, etc.

DJA 14 02:32:57.8:1.0, 0.94S, 116.09E, h8km, 5km, MD4.8/2, ML3.9/3, 2C-2D, Error ellipse: s-maj=20.0km s-min=12.9km az=151.0, Sumbawa region

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like RATI, KEDI, SRDI, etc.

IDC 14 02:40:38.4:9.8, 18.52N, 146.70E, h83km, 89km, mb3.4/6, mb1 3.6/7, mb1mx3.4/21, mbtmp3.8/7, ML4.0/1, MS3.3/2, Ms1 3.3/2, ms1mx2.6/23, Error ellipse: s-maj=50.3km s-min=19.3km az=89.0, Mariana Islands

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like MJAR, ASAJ, CTA, etc.

BUI 14 02:52:54.8, 4.02N, 95.27E, h67km, mb4.8, mb4.4

NEIC 14 02:52:56.0:0.5, 4.07N, 95.78E, mb4.3/10, Error ellipse: s-maj=13.1km s-min=7.5km az=49.0

NEIC Feit (I) at Banda Aceh, IDC 14 02:52:57.0:0.7, 4.29N, 95.96E, h52km, 5km, mb3.9/13, mb1 4.1/13, mb1mx3.9/20, mbtmp4.2/13, MS3.5/5, Ms1 3.6/5, ms1mx3.2/25, Error ellipse: s-maj=31.1km s-min=12.4km az=120.0

ISC 14 02:52:55.3:0.5, 4.06N, 0.07, 95.81E, 0.05, h54km, h5km, 1.5km, p-P, A, mb4.8, e1314/45, mb4.4/26, MS3.7/4, 1C, Northern Sumatera

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like KULM, SNG, KKTK, etc.

JIRI comp=2.1, 0.0nm, 0.6s, mb4.5, 25.20 340 eP P 02 58 18.0 +0.4

PKI comp=2.1, 1.4nm, 0.4s, mb4.9, 25.40 338 eP P 02 58 19.3 -0.2

GUN comp=2.2, 2.9nm, 0.5s, mb4.4, 25.53 339 eP P 02 58 20.9 +0.1

DMN comp=2.3, 4.4nm, 0.5s, mb4.5, 25.58 338 eP P 02 58 20.7 -0.2

KKN comp=2.1, 2.2nm, 0.4s, mb4.8, 25.64 338 eP P 02 58 21.9 +0.1

LSA comp=2.1, 2.2nm, 0.4s, mb4.8, 25.88 351 P P 02 58 23.0 -1.0

GKN comp=2.3, 4.4nm, 1.0s, mb4.5, 26.08 337 eP P 02 58 25.6 -0.3

KOL comp=2.2, 2.3nm, 0.7s, mb4.8, 26.29 335 eP P 02 58 27.9 +0.1

GTA comp=2.4, 0.0nm, 0.9s, mb4.3, 35.37 5 eP P 02 59 47.4 -0.4

FITZ comp=2.4, 0.0nm, 0.9s, mb4.3, 36.74 128 P P 02 59 59.2 -0.4

SOMN comp=2.4, 0.8nm, 0.8s, mb4.3, 44.55 10 P P 03 01 03.2 -0.4

SOMN comp=2.4, 4.4nm, 0.7s, mb4.4, 49.10, slow=8.4, SNR=36 03 02 46.7 +0.2

SOMN comp=2.2, 2.8nm, 0.8s, baz=191, slow=3.9, SNR=8.8 03 03 02.7

SOMN comp=2.3, 30nm, 20.9s, MS3.2, baz=92, slow=36 03 19 42.0

ULN comp=2.4, 4.4nm, 0.8s, mb4.3, 44.70 11 eP P 03 01 02.5 -2.3

WRA comp=2.5, 0.0nm, 0.7s, mb4.4, baz=302, slow=9.2, SNR=16 03 01 05.8 +0.3

WRA comp=2.7, 2.2nm, 0.6s, baz=302, slow=9.2, SNR=10 03 01 19.8 +0.1

WRAB comp=2.3, 30nm, 1.0s, mb4.5, 44.75 124 eP P 03 01 05.6 +0.2

WB2 comp=2.4, 4.4nm, 0.8s, mb4.3, 44.75 124 eP P 03 01 05.8 +0.2

ASPA comp=2.4, 4.4nm, 0.8s, mb4.3, 44.75 124 eP P 03 01 05.8 +0.2

ASAR comp=2.0, 0.9nm, 0.8s, mb4.0, baz=298, slow=7.8, SNR=6.2 03 03 10.0

comp=2.1, 9nm, 0.7s, mb4.1, baz=149, slow=8.6, SNR=13 03 02 12.0 -1.1

CHZK comp=2.6, 7nm, 0.8s, mb4.6, 53.59 342 eP P 03 02 34.1 +1.0

STKA comp=2.6, 7nm, 0.8s, mb4.6, 53.59 342 eP P 03 02 34.1 +1.0

STKA comp=2.6, 7nm, 0.8s, mb4.6, 53.59 342 eP P 03 02 34.1 +1.0

STKA comp=2.6, 7nm, 0.8s, mb4.6, 53.59 342 eP P 03 02 34.1 +1.0

STKA comp=2.6, 7nm, 0.8s, mb4.6, 53.59 342 eP P 03 02 34.1 +1.0

BRTR comp=2.0, 2.6nm, 0.3s, mb4.0, baz=144, slow=4.7, SNR=7.1 03 03 59.6 -0.8

BRTR comp=2.0, 2.6nm, 0.3s, mb4.0, baz=144, slow=4.7, SNR=7.1 03 03 59.6 -0.8

AKASG comp=2.0, 5.5nm, 0.4s, mb3.8, baz=87, slow=4.3, SNR=4.9 03 04 15.4 -0.7

AKASG comp=2.0, 5.5nm, 0.4s, mb3.8, baz=87, slow=4.3, SNR=4.9 03 04 15.4 -0.7

LBTB comp=2.1, 1.1nm, 0.5s, baz=87, slow=5.1, SNR=3.9 03 04 29.5 -1.8

LBTB comp=2.1, 1.1nm, 0.5s, baz=87, slow=5.1, SNR=3.9 03 04 29.5 -1.8

JOF comp=2.5, 20nm, 21.2s, MS3.8, baz=83, slow=31 03 31 31.9 -0.5

JOF comp=2.5, 20nm, 21.2s, MS3.8, baz=83, slow=31 03 31 31.9 -0.5

FINES comp=2.0, 0.9nm, 0.5s, mb4.0, baz=110, slow=6.1, SNR=15 03 04 42.6 -0.3

FINES comp=2.0, 0.9nm, 0.5s, mb4.0, baz=110, slow=6.1, SNR=15 03 04 42.6 -0.3

ARCES comp=2.1, 0.0nm, 0.5s, baz=111, slow=6.0, SNR=2.9 03 04 56.5 -0.3

ARCES comp=2.1, 0.0nm, 0.5s, baz=111, slow=6.0, SNR=2.9 03 04 56.5 -0.3

ARCES comp=2.1, 4.4nm, 0.3s, mb4.3, baz=100, slow=7.3, SNR=30 03 05 11.6 -0.6

ARCES comp=2.4, 4.4nm, 0.8s, baz=79, slow=6.2, SNR=2.7 03 05 11.6 -0.6

SUR comp=2.9, 20nm, 20.9s, MS4.1, baz=4.7, slow=31 03 34 34.6

SUR comp=2.9, 20nm, 20.9s, MS4.1, baz=4.7, slow=31 03 34 34.6

GERES comp=2.0, 2.2nm, 0.3s, mb3.5, baz=63, slow=3.0, SNR=6.8 03 05 27.2 +2.0

GERES comp=2.0, 2.2nm, 0.3s, mb3.5, baz=63, slow=3.0, SNR=6.8 03 05 27.2 +2.0

TXAR comp=2.0, 0.7nm, 0.7s, baz=90, slow=4.0, SNR=3.8 03 12 24.7 +2.8

TXAR comp=2.0, 0.7nm, 0.7s, baz=90, slow=4.0, SNR=3.8 03 12 24.7 +2.8

TXAR comp=2.0, 1.1nm, 0.4s, baz=176, slow=1.9, SNR=4.0 03 12 40.2

TXAR comp=2.0, 1.1nm, 0.4s, baz=176, slow=1.9, SNR=4.0 03 12 40.2

IDC 14 03:09:07.5:13.0, 170.77S, 177.89W, h561km, 161km, mb2.8/5, mb1 3.2/5, mb1mx3.0/1.6, mbtmp3.7/5, Error ellipse: s-maj=119.3km s-min=48.2km az=158.0, Fiji Islands region

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like WRA, ASAR, TXAR, etc.

NEIC 14 03:19:02.4, 16.24N, 97.68W, h46km, MD3.8(MEX), After MEX

MEX 14 03:19:02.4, 16.24N, 97.68W, h46km, 16km, MD3.9, 2C, Oaxaca

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like PNIG, VHO, OXX, etc.

DJA 14 03:28:34.2:1.1, 9.00S, 116.31E, h15km, MD4.7/2, ML4.0/2, 4C-2D, Error ellipse: s-maj=28.1km s-min=14.2km az=125.0, Sumbawa region

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like KEDI, RATI, KELI, etc.

IDC 14 03:32:28.4:7.7, 48.48S, 163.54E, mb4.2/3, mb1 4.5/3, mb1mx4.0/10, mbtmp4.2/3, MS3.3/3, Ms1 3.3/3, ms1mx3.0/13, Error ellipse: s-maj=601.4km s-min=106.4km az=47.0

ISC 14 03:32:33.7:1.6, 49.85S, 0.2, 161.6E, 0.2, h33km, 114, e124/15, mb3.9/3, MS2.2/3, North of Macquarie Island

Table with 10 columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists stations like WHZ, MLZ, TUZ, etc.

IDC 14 03:54:17.4:1.6, 35.95N, 71.07E, mb3.7/7, mb1 3.9/7, mb1mx3.6/22, mbtmp3.7/7, Error ellipse: s-maj=57.8km s-min=27.1km az=46.0

NEIC 14 03:54:29.3:1.8, 36.08N, 70.90E, h84km, 22km, mb3.8/2, Error ellipse: s-maj=18.3km s-min=10.1km az=211.0

NNC 14 03:54:38.8:12.0, 37.26N, 70.73E, mpv3.7, Error ellipse: s-maj=146.9km s-min=82.1km az=150.0

ISC 14 03:54:28.2:1.5, 36.31N, 0.06:71.1E, 0.1, h93km, 17km, n23, e119/27, mb3.6/6, 2C-2D, Afghanistan-Tajikistan border region





Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like N2B, NOA, MJAR, YSS, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like AKAR, TASHR, ELT, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like BVAO, BVAR, AAK, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like GUT, BUCH, SPA, etc.

BGR 14 07:34:00.5:0.2, 48.25N-9.22E, h10km, ML2.3/6, Error ellipse: s-maj=2.2km s-min=1.1km az=131.0

ABH Altburg 1.98 327 P Pg 07 34 36.8 -1.8

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Grafenberg Arr, Taunus Mts, They Montfort, WLF Waifederang, etc.

1DC 14 07:36:38.0-0.8, 18.56N-146.96E, mb3.9/8, mb1 4.1/8, mb1mx3.9/20, mbtmp3.9/8, Error ellipse: s-maj=40.7km s-min=18.1km az=107.0

NEIC 14 07:36:45.1±2.0, 18.50N-146.94E, h46km±19km, mb4.4/1, Error ellipse: s-maj=28.1km s-min=14.1km az=95.0

ISC 14 07:36:44.2±2.5, 18.5N, 0.1±146.9E, 0.2, h52km±23km, n15, c0811/16, mb3.9/9, 1D, Mariana Islands

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

GUC 14 07:39:26.5±0.6, 32.65S±71.57W, h35km±2km, MD3.6, ML2.3, 2D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Papudo, El Roble, La Cruzes, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Farellones, Pirque, Los Melos, etc.

1DC 14 07:57:55.3±0.6, 9.65N-126.20E, mb4.3/14, mb1 4.4/14, mb1mx4.3/22, mbtmp4.3/14, Error ellipse: s-maj=34.4km s-min=13.0km az=75.0

BUI 14 07:58:00.3, 8.63N-126.20E, h121km, mb4.8, mb4.6 MAN 14 07:58:04.8, 9.56N-126.05E, h33km, mb4.7, ML3.5, MS3.5 MAN Surigao City Intensity 1

NEIC 14 07:58:09.7±2.3, 9.47N-125.97E, h121km±21km, mb4.3/7, Error ellipse: s-maj=16.6km s-min=6.3km az=73.0

NEIC Felt [1 PIVS] at Surigao

ISC 14 07:58:03.9±0.6, 9.53N-126.08E, 0.06, h82km±5km, n52, c1506/59, mb4.2/24, 3C-4D, Mindanao

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

1DC 14 07:36:38.0-0.8, 18.56N-146.96E, mb3.9/8, mb1 4.1/8, mb1mx3.9/20, mbtmp3.9/8, Error ellipse: s-maj=40.7km s-min=18.1km az=107.0

NEIC 14 07:36:45.1±2.0, 18.50N-146.94E, h46km±19km, mb4.4/1, Error ellipse: s-maj=28.1km s-min=14.1km az=95.0

ISC 14 07:36:44.2±2.5, 18.5N, 0.1±146.9E, 0.2, h52km±23km, n15, c0811/16, mb3.9/9, 1D, Mariana Islands

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

NIED 14 08:02:00.33, 10N-137.20E, h17km, Mw4.2 Best double couple: M2.5x10^15 NPT:φ=266°, δ59°, 176°. NP2:φ=111°, δ35°, ±1.12°

MOS 08-02-34.8, 1.4, 33.09N-137.30E, h33km, mb4.3/13, Error ellipse: s-maj=21.0km s-min=8.1km az=84.9

JMA 14 08:02:34.8±0.1, 33.14N-137.16E, h41km±2km, M4.3 JMA Felt J1

BUI 14 08:02:37.4±0.5, 33.09N-137.15E, h28km, mb4.6, mb4.5, Ms3.8, Msz3.9

1DC 14 08:02:37.4±0.5, 33.09N-137.26E, h35km±3km, mb3.8/16, mb1 4.1/19, mb1mx4.0/25, mbtmp4.1/19, ML4.3/3, MS3.5/10, Ms1 3.5/10, ms1mx3.3/38, Error ellipse: s-maj=16.2km s-min=1.0km az=87.0

NEIC 14 08:02:37.2±0.3, 33.10N-137.11E, mb4.5/12, MW4.2(NIED), Error ellipse: s-maj=10.0km s-min=6.7km az=94.0

NEIC Recorded [1 JMA] in Nara Prefecture.

ISC 14 08:02:34.9±0.3, 33.14N-137.17E, 0.02, h34km, h34km±1, 8km±pp-P, n93, c1507/107, mb4.2/30, MS3.6/7, 2C-13D, Near south coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Tokai, Kozaga, Ise, Miekiokho, etc.



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

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

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

NEIC 14 08:02:54.2, 37.36S:177.25E, h130km, MG4.0(WEL), After WEL. WEL 14 08:02:54.7, 0.2, 37.37S:177.25E, h124km, 1km, ML3.7/13, 1C, Error ellipse: s-maj=2.4km s-min=2.3km az=90.0, Off east coast of North Island

IDC 14 08:32:36.9, 1.2, 1.49S:99.75E, mb4.0/6, mb1 4.0/7, mb1mx3.8/18, mbtmp3.8/7, ML3.7/11, MS3.6/3, Ms1 3.6/3, mb1mx3.1/22, Error ellipse: s-maj=56.4km s-min=18.4km az=61.0. NEIC 14 08:32:41.1, 0.8, 1.48S:99.79E, h30km, mb4.5/1, Error ellipse: s-maj=37.0km s-min=17.7km az=81.0. IDC 14 08:32:39.7, 2.1, 1.4S:0.3:99.8E:0.5, h33km, n15, e1f03/9,

IDC 14 09:22:45.0, 1.1, 6.08N:92.78E, mb4.0/9, mb1 4.1/10, mb1mx4.0/21, mbtmp3.9/10, ML4.2/1, MS3.0/1, Ms1 3.2/1, ms1mx2.6/31, Error ellipse: s-maj=42.6km s-min=19.9km az=51.0. NEIC 14 09:22:45.0, 5.0, 5.98N:92.88E, h30km, mb4.3/7, Error ellipse: s-maj=3.4km s-min=1.7km az=28.0. IDC 14 08:44:12.1, 2.6, 36.89N:49.40E, mb3.7/4, mb1 3.9/5, mb1mx3.0/21, mbtmp3.7/5, ML4.2/1, Error ellipse: s-maj=66.5km s-min=27.9km az=36.0. THR 14 08:44:13.2, 1.2, 36.86N:49.42E, h14km, 13km, ML3.9 CSEM 14 08:44:14.0, 0.1, 36.90N:49.42E, h20km, ML3.9, Error ellipse: s-maj=3.4km s-min=1.7km az=28.0. TEH 14 08:44:16.1, 36.65N:49.23E, h15km, Mn3.9. IDC 14 08:44:13.8, 0.5, 36.71N:0.04:49.28E:0.04, h10km, n33, r140/37, mb3.8/4, Western Iran



ellipse: s-maj=11.3km s-min=7.6km az=214.0
ISC 14 09:22:43.5,0.6,5.92N,07.02W,az=214.0, h30km, n30,
c1934/29,mb4.2/16,Of west coast of northern

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

MEX 14 09:31:50.0-0.6, 12.62N, 90.86W, h60km, 999km, MD4.7
CASC 14 09:31:59.9, 2.2, 13.59N, 90.92W, h62km, 52km, MD4.3,
ML4.2, mb4.2(NEIC)
NEIC 14 09:32:04.2, 0.9, 13.94N, 90.46W, h75km, 8km, mb4.2/9,
Error ellipse: s-maj=18.1km s-min=8.7km az=213.0,
IDC 14 09:32:06.6, 3.5, 14.25N, 90.15W, h83km, 3km, mb3.3/4,
mb1 3.7/6, mb1mx3.5/20, mbtmp3.7/6, Error ellipse:
s-maj=81.7km s-min=20.4km az=46.0

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

Table with columns: RES, Resolute Bay, 61.20 359 eP, P, 09 42 07.1 -2.4
ILAR Eielson Array 63.68 337 P P 09 42 26.4 +0.2
ESLA 4.0nm, 0.9s, mb3.4, baz=123, slow=5.2, SNR=7.8
79.21 52 P P 09 43 58.7 -0.7

IDC 14 09:40:33.4, 2.2, 1.70S, 99.27E, mb4.0/7, mb1 4.2/7,
mb1mx3.9/18, mbtmp4.0/7, MS3.5/3, Ms1 3.5/3,
ms1mx3.1/27, Error ellipse: s-maj=97.0km s-min=18.4km
az=59.0
NEIC 14 09:40:38.5, 0.5, 1.62S, 99.43E, h30km, mb4.3/2, Error
ellipse: s-maj=16.4km s-min=7.6km az=65.0,
ISC 14 09:40:37.0, 0.8, 1.65S, 0.1, 99.5E, 0.2, h33km, n16,
c0568/13, mb4.1/8, MS3.6/2, Southern Sumatara

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

CSEM 14 09:55:24.6, 42.66N, 136.66E, h33km, mb5.6
BGS 14 09:55:58.0, 1.7, 41.94N, 137.52E, h37km, mb5.2
NIED 14 09:56:00.43, 10N, 135.90E, h30km, Mw4.9 Best double
couple: M=2.34x10^16 NP1:phi=16°, d77°, lambda=97°. NP2:phi=225°,
delta=1°, lambda=61°.
MOS 14 09:56:05.9, 0.8, 43.29N, 135.40E, h351km, mb5.0/92,
Error ellipse: s-maj=7.3km s-min=3.5km az=114.4
BUJ 14 09:56:07.8, 43.25N, 135.42E, h389km, mb5.0, mb5.1
SKHL 14 09:56:07.3, 1.8, 43.42N, 135.40E, h351km, 7km, mb5.0/10,
mb5.5/7

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

JMA 14 09:56:08.7, 0.4, 43.10N, 135.95E, h393km, M4.9
NEIC 14 09:56:08.5, 0.1, 43.30N, 135.40E, mb4.9/128, Error
ellipse: s-maj=3.3km s-min=2.8km az=153.0
ISC 14 09:56:05.0, 0.2, 43.27N, 0.02, 135.41E, 0.03, h352km, 2km,
h363km, 2.1km; p-P, n629, c0588/662, mb4.9/179, 39C-86D,
Primorye

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

Table with columns: KLR, comp=N, 230nm, 1.4s, smax, smax, 09 57 42.0 -0.9, 09 57 43.2, 09 57 43.2, 09 57 43.2, 09 59 00.0 +0.9, 09 59 01.9, 09 59 01.9, 09 57 53.0 +3.4, 09 57 50.5 +0.9, 09 57 51.7 +1.7, 09 57 49.5 -0.1, 09 57 49.1 -0.5, 09 57 49.1 -0.5, 09 57 50.6 +1.0, 10 06 53.2, 09 57 53.0 -0.9, 09 57 53.0 -2.9, 09 57 53.0 -0.9, 09 57 53.0, 09 57 54.0, 09 57 54.0, 09 57 54.0, 09 57 54.0, 09 57 54.0, 09 59 20.0, 09 59 20.0, 09 57 57.8, 09 57 57.8, 09 58 24.1, 09 59 21.0 -0.4, 09 59 28.0, 09 57 53.8 -2.0, 09 57 54.8 -6.6, 09 57 55.8 -0.5, 09 59 19.5 -3.7, 09 57 57.8, 09 57 57.8, 09 57 57.6, 09 57 57.6, 09 59 20.9 -2.3, 09 59 25.4, 09 59 25.4, 09 59 26.6, 09 59 26.6, 09 57 57.7 +0.2, 09 59 25.4 -0.1, 09 58 06.6 +3.7, 09 58 09.3 +3.2, 09 58 07.0 +0.4, 09 58 38.9 -2.9, 09 58 147 +3.8, 09 58 13.3 +1.6, 09 58 11.7 +0.6, 09 58 12.0 -1.4, 09 58 13.4, 09 58 13.4, 09 59 53.5 -0.6, 09 59 56.1, 09 58 12.5 -2.0, 09 58 16.5, 09 58 16.5, 09 58 16.5, 09 58 16.5, 09 59 53.2 -2.9, 10 00 03.4, 10 00 03.4, 09 58 18.0 -2.2, 10 00 01.1 -5.3, 09 58 21.5 +0.2, 10 00 08.4 -0.1, 09 58 22.0 -1.9, 09 58 43.2, 09 58 27.8 -2.6, 09 58 30.0, 09 58 30.0, 10 00 25.1 -4.5, 10 00 25.1 -4.5, 09 58 31.2 -2.0, 09 58 24.5 -5.4, 09 58 37.4 -1.2, 09 58 38.1, 09 58 38.1, 09 58 38.1, 10 00 51.1 +8.1, 10 04 02.4 +0.4, 10 06 55.6, 10 06 55.6, 10 07 34.0, 10 10 32.5 -1.8, 09 58 41.8 +0.1, 09 58 44.3 -1.6, 09 58 44.3





Table with columns: Call sign, Frequency, Mode, Power, and other technical details. Includes stations like Podgorica, Bratogost, Langenberg, Sankt Quirin, etc.

Table with columns: Call sign, Frequency, Mode, Power, and other technical details. Includes stations like Avril sur Loir, Bricherason, Bardonecchia, etc.

Table with columns: Call sign, Frequency, Mode, Power, and other technical details. Includes stations like Kilima Mbogo, Dimbokro, etc.

IDC 14 09:56:25.7±1.9, 10.43N×141.55E, mb4.1/4, mb1 4.5/4, mb1mx4.0/19, mbtmp4.1/4, MS3.2/3, Ms1 3.2/3, ms1mx2.8/29, Error ellipse: s-maj=163.6km s-min=25.4km az=111.0, Western Caroline Islands

IDC 14 10:09:33.5±0.6, 13.65N×146.34E, h44km±5km, mb3.7/11, mb1 3.9/11, mb1mx3.8/21, mbtmp3.9/11, MS3.7/2, Ms1 3.7/2, ms1mx2.8/30, Error ellipse: s-maj=21.4km s-min=13.0km az=111.0

NEIC 14 10:09:33.0±0.5, 13.61N×146.25E, mb4.4/7, Error ellipse: s-maj=15.7km s-min=9.6km az=97.0

ISC 14 10:09:32.0±0.5, 13.57N×107.146E±0.1, h45km, h45km±1.6km, pP-P, n3.0, ±0.96±25, mb4.1/18, MS3.8/2, South of Mariana Islands

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like Guam, Kunigami, Warramunga Arr, etc.







BIDO	Bidbid	47.89 304	P	P	11 38 28.8	+0.5
BSY	Bisyay	48.33 303	P	P	11 38 32.1	+0.4
SNY	Shenyang	48.51 241	P	P	11 38 31.0	-1.9
SNY			PCP	PcP	11 39 57.3	-1.5
SNY			PP	PP	11 40 23.1	-2.3
SNY			S	S	11 45 23.9	-6.7
SNY	comp=Z,130nm,1.4s,mb5.8		AMB	AMB		
SNY	comp=Z,2um,3.5s					
SNY	comp=E,9um,14.2s		LR	LR		
SNY	comp=Z,7um,14.1s,MS5.8		LR	LR		
HOQ	Hoqain	48.59 304	P	P	11 38 34.3	+0.6
CTA	Charters Tower	48.68 115	P	P	11 38 33.0	-1.4
CTA	comp=Z,78nm,1.1s,mb5.7					
CTA			e	e		
CTA			eS	eS		
CTA	Charters Tower	48.68 115	P	P	11 45 31.5	-1.8
CTA			S	S	11 38 33.0	-1.4
CTA			eS	eS	11 45 31.5	-1.8
CTA			pmax	pmax		
CTA	comp=Z,79nm,1.1s					
CTA	Charters Tower	48.68 115	P	P	11 38 33.9	-0.6
CTA	comp=Z,120nm,1.1s,mb5.8,baz=290,slow=8.9,SNR=29					
CTAO	Charters Tower	48.68 115	P	P	11 38 32.9	-1.5
CTAO			ePP	ePP	11 38 42.4	-2.3
CTAO			eSP	eSP	11 38 47.5	-1.5
CTAO			pmax	pmax		
CTAO	comp=Z,238nm,1.3s,mb6.1		MLR	MLR		
CTAO	Charters Tower	48.68 115	P	P	11 38 32.9	-1.5
CTAO	comp=Z,238nm,1.3s,mb6.1					
CTAO			ePP	ePP	11 38 42.4	-2.3
CTAO			eSP	eSP	11 38 47.5	-1.4
CTAO			LR	LR		
CTAO	comp=Z,4um,21.0s,MS5.4					
ADE	Adelaide	48.78 337	P	P	11 38 36.5	+1.4
ULHL	Ulahoi	48.90 137	P	P	11 38 36.9	+1.1
ARQ	Araqi	49.14 303	P	P	11 38 38.2	+0.2
KZA	Kyzart	49.16 336	P	P	11 38 38.3	+0.4
STKA	Stevens Creek	49.25 132	P	P	11 38 38.1	-0.6
STKA	comp=Z,70nm,1.0s,mb5.6					
STKA			eS	eS	11 45 40.3	-0.8
STKA	Stevens Creek	49.25 132	P	P	11 38 39.0	+0.3
STKA	comp=Z,56nm,0.9s,mb5.6,baz=306,slow=7.5,SNR=55					
STKA			eS	eS	11 45 43.4	+2.3
STKA	comp=Z,9.1nm,1.1s,baz=102,slow=20,SNR=3.5		LR	LR	12 01 01.0	
AAA	Alma-Ata	49.50 338	P	P	11 38 40.0	-0.4
AAA			e	e	11 40 38.0	
AAA			eS	eS	11 45 46.0	+1.6
AAA			pmax	pmax		
AAA	comp=Z,2um,4.0s					
AAA	comp=E,2um,7.0s					
UCH	Uchter	49.59 335	P	P	11 38 41.5	+0.4
TKM2	Tokmak 2	49.72 337	P	P	11 38 42.4	+0.2
KBK	Karagaybulak	49.76 336	P	P	11 38 43.2	+0.7
SOMN	Songino Array	49.85 6	P	P	11 38 43.0	-0.1
SOMN	comp=Z,94nm,0.8s,mb5.9,baz=187,slow=8.0,SNR=468		PcP	PcP	11 40 03.2	-0.3
SOMN	comp=E,48nm,0.9s,baz=186,slow=3.8,SNR=5.6		ScP	ScP	11 43 56.4	
SOMN	comp=E,5.4nm,1.0s,baz=198,slow=3.9,SNR=3.8		LR	LR	12 02 23.1	
SOMN	comp=E,6um,18.1s,MS5.6,baz=92,slow=39					
SOMN	comp=E,0.5nm,0.9s,baz=45,slow=3.5,SNR=3.6		PKPPKP	PKPPKP	12 09 49.7	
AML	Almayashu	49.85 335	P	P	11 38 43.6	+0.4
AAK	Ala-Archa	49.93 336	P	P	11 38 44.0	+0.2
AAK	SNR=53					
AAK	Ala-Archa	49.93 336	P	P	11 38 42.8	-1.0
AAK			ePP	ePP	11 38 53.2	-0.8
AAK			pmax	pmax		
AAK	comp=Z,617nm,1.9s,mb6.3		MLR	MLR		
AAK	comp=Z,910nm,21.0s,MS4.8					
AAK	Ala-Archa	49.93 336	P	P	11 38 42.8	-1.0
AAK	comp=Z,618nm,1.9s,mb6.3					
AAK			ePP	ePP	11 38 53.2	-0.8
AAK			pP	pP		
ULN	Ulanbaatar	49.95 6	P	P	11 38 43.3	-0.5
ULN			ePP	ePP	11 38 53.0	-1.1
ULN			eSP	eSP	11 38 56.9	-1.5
ULN			pmax	pmax		
ULN	comp=Z,123nm,1.0s,mb5.9		MLR	MLR		
ULN	comp=Z,5um,20.0s,MS5.5					
ULN	Ulanbaatar	49.95 6	P	P	11 38 43.3	-0.5
ULN	comp=Z,123nm,1.0s,mb5.9					
ULN			ePP	ePP	11 38 53.0	-1.1
ULN			eSP	eSP	11 38 56.9	-1.4
ULN			eScP	eScP	11 44 14.6	
FRU	comp=Z,5um,20.0s,MS5.5		LR	LR		
FRU	Bishkek	50.05 336	P	P	11 38 44.0	-0.6
FRU			eS	eS	11 45 55.0	+3.0
FRU			pmax	pmax		
FRU	comp=Z,580nm,1.9s,mb6.3		MLR	MLR		
FRU	comp=Z,3um,19.0s,MS5.3					
ASHO	Ashiyah	50.09 305	P	P	11 38 45.3	0.0
CHMS	Chumysh	50.13 336	P	P	11 38 44.9	-0.4
EKS2	Erkin-Say	50.25 335	P	P	11 38 46.4	+0.2
BANOM	Banah	50.44 306	P	P	11 38 48.6	+0.7
USP	Ospenovka	50.45 336	P	P	11 38 48.3	+0.6
KKAR	Karatay Array	52.04 333	P	P	11 38 58.9	-0.8
KKAR	comp=Z,256nm,1.3s,mb5.0					
ZAK	Zakamensk	52.16 3	P	P	11 39 00.1	-0.4
ZAK			e	e	11 40 11.1	
ZAK			pmax	pmax		
ZAK	comp=Z,61nm,1.0s,mb5.5					
ZAK			pmax	pmax		
MAJO	Matsushiro	52.23 39	P	P	11 38 59.6	-1.6
MAJO	comp=Z,29nm,1.2s,mb5.1					
MAJO	comp=Z,149nm,1.1s,mb5.8		MLR	MLR		
MAJO	comp=Z,4um,20.0s,MS5.4					
MAJO	Matsushiro	52.23 39	P	P	11 38 59.6	-1.6
MAJO	comp=Z,149nm,1.1s,mb5.8					
MAJO	comp=Z,4um,20.0s,MS5.4		LR	LR		
MAT	Matsushiro	52.23 39	P	P	11 39 00.0	-1.2
MAT			eS	eS	11 46 23.0	+0.8
MAT			pmax	pmax		
MAT	comp=Z,180nm,1.2s,mb5.9		MLR	MLR		
MAT	comp=Z,2um,20.0s,MS5.2					
MAT	Matsushiro	52.23 39	P	P	11 39 00.0	-1.2
MAT	comp=Z,180nm,1.2s,mb5.9					
MAT			eS	eS	11 46 23.0	+0.8
MAT			LR	LR		
MAT	comp=Z,2um,20.0s,MS5.2					
MAT	Matsushiro	52.23 39	P	P	11 38 59.5	-1.7
MAT			S	S	11 46 22.0	-0.2
MJAR	Matsushiro Arr	52.23 39	P	P	11 39 00.5	-0.7
MJAR	comp=Z,109nm,1.0s,mb5.8,baz=222,slow=7.4,SNR=194					
MJAR			ScP	ScP	11 44 06.7	
MJAR	comp=Z,4.3nm,1.1s,baz=197,slow=3.2,SNR=4.2		LR	LR	12 02 47.6	
MDJ	Mudanjiang	53.32 26	P	P	11 39 09.3	0.0
MDJ			AP	AP	11 39 17.6	-2.0
MDJ			XP	XP	11 39 22.3	-1.5
MDJ			PP	PP	11 41 09.4	-1.7

MDJ			S	S	11 46 39.9	+3.0
MDJ			XS	XS	11 46 55.6	
MDJ			AMB	AMB		
MDJ	comp=Z,94nm,1.1s,mb5.6					
MDJ	comp=Z,925nm,7.4s		AMB	AMB		
MDJ	comp=N,7um,17.8s,MS5.9		LR	LR		
MDJ	comp=E,6um,17.8s,MS5.9		LR	LR		
MDJ	comp=Z,11um,16.1s,MS6.0					
MDJ	Mudanjiang	53.32 26	eP	P	11 39 09.1	-0.1
MDJ	comp=Z,85nm,0.9s,mb5.7					
MOY	Mony	53.37 1	eP	P	11 39 09.1	-0.4
MOY			pmax	pmax		
MDJ	comp=Z,235nm,2.2s,mb5.7					
MDJ	Mudanjiang	53.32 26	eP	P	11 39 09.1	-0.1
MDJ	comp=Z,85nm,0.9s,mb5.7					
MOY	Mony	53.37 1	eP	P	11 39 09.1	-0.4
MOY			pmax	pmax		
MDJ	comp=Z,235nm,2.2s,mb5.7					
MDJ	Mudanjiang	53.32 26	eP	P	11 39 10.2	-0.1
MDJ	comp=Z,85nm,0.9s,mb5.7					
MDJ	Talaya	53.47 3c	iP	P	11 41 10.5	
MDJ			eS	S	11 46 36.1	-2.8
MDJ			e	e	11 48 49.5	
MDJ			pmax	pmax		
MDJ	comp=Z,217nm,1.0s,mb6.0		MLR	MLR		
MDJ	comp=Z,8um,16.0s,MS5.8					
HIA	Hailar	53.76 16	eP	P	11 39 11.2	-1.2
HIA			e	e	11 40 17.2	
HIA			pmax	pmax		
HIA	comp=Z,224nm,1.6s					
HIA	Hailar	53.76 16	eP	P	11 39 11.2	-1.2
HIA	comp=Z,224nm,1.6s,mb5.8					
HIA			ePcP	PcP	11 40 17.2	-0.9
HIA	Irkutsk	54.07 3	eP	P	11 39 14.4	-0.3
HIA			pmax	pmax		
HIA	comp=Z,348nm,1.6s,mb6.2					
HIA	Ambodiratompo	54.26 249	P	P	11 39 16.9	+0.4
HIA	comp=Z,8.1nm,0.9s,mb4.7,baz=82,slow=6.9,SNR=12					
HIA	Toolangi	54.81 136	eP	P	11 39 21.9	+1.6
HIA	comp=Z,35nm,1.2s,mb5.3					
HIA	Toolangi	54.81 136	eP	P	11 39 21.9	+1.6
HIA			pmax	pmax		
HIA	comp=Z,37nm,1.2s,mb5.3					
HIA	Camberra Magne	55.58 132	eP	P	11 39 33.5	+0.4
HIA	comp=Z,1um,1.3s,mb6.8					
HIA	Zalesovo	57.05 349	P	P	11 39 35.3	-0.9
HIA	comp=Z,148nm,0.9s,mb6.0,baz=299,slow=6.0,SNR=548					
HIA	ZAL		LR	LR	11 47 27.6	+0.9
HIA	comp=Z,7.1nm,1.1s,baz=168,slow=20,SNR=11					
HIA	ZAL		LR	LR	12 06 40.0	
HIA	comp=Z,3um,20.6s,MS5.4,baz=302,slow=39					
HIA	ZAL		PKPPKP	PKPPKP	12 09 32.1	
HIA	comp=Z,1.1nm,0.3s,baz=235,slow=4.1,SNR=3.1					
HIA	Kul'dur	57.86 24d	iP	P	11 39 37.5	-4.4
HIA			eS	S	11 47 32.0	-5.3
HIA			eSS	SS	11 49 18.0	
HIA			pmax	pmax	11 51 35.5	+5.7
HIA	comp=N,900nm,5.5s					
HIA	comp=E,600nm,5.5s					
HIA	comp=Z,2um,5.5s					
HIA	comp=N,110nm,1.2s					
HIA	comp=Z,250nm,1.2s,mb6.1					
HIA	comp=Z,12um,13.0s,MS6.2		MLR	MLR		
HIA	Novosibirsk	58.21 349	eP	P	11 39 42.1	-2.2
HIA			eS	S	11 47 40.8	-1.0
HIA			pmax	pmax		
HIA	comp=Z,404nm,1.6s,mb6.2					
HIA	comp=N,373nm,1.6s					
HIA	comp=E,153nm,1.4s					
HIA	comp=N,11nm,2.0s					
HIA	comp=E,70nm,2.0s					
HIA	Arta Tunnel	58.30 285	LR	LR	12 00 27.8	
HIA	comp=Z,3um,20.9s,MS5.4,baz=45,slow=32					
HIA	ERM	58.61 37	PFAKE	LR	11 40 00.0	+13
HIA	ERM					
HIA	comp=Z,6.0nm,21.0s					
HIA	Tasmania Unive	58.69 141	PFAKE	LR	11 40 00.0	+12
HIA			LR	LR		
HIA	comp=Z,942nm,21.0s,MS4.9					
HIA	Borovoye Array	60.08 340	P	P	11 39 55.4	-1.8
HIA			pmax	pmax		
HIA	comp=Z,54nm,1.4s,mb5.4					
HIA	Borovoye Array	60.08 340	P	P	11 39 55.2	-2.0
HIA	comp=Z,41nm,0.8s,mb5.5,baz=143,slow=7.4,SNR=196					
HIA			PKPPKP	PKPPKP	12 09 32.0	
HIA	comp=Z,0.9nm,0.8s,baz=3					





Table with columns: Station, Frequency, Power, and other technical details. Includes stations like Saint Saulge, Avril sur Loir, Lubilhac, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like Chamberlain Mo, Wild Horse Val, Holter Researc, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like Paso Flores, Paso Flores, Torquist, etc.













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

ellipse: s-maj=27.7km s-min=15.8km az=69.0
ISC 14 17:47:55.7, 1.2, 2.0NO, 0.1, 97.0E, 0.2, h30km
(h29km, 1km; pp-P), n12, c08910, mb4.0/6, Northern

Main table for 2005 APR section, listing station names, times, and residuals for various seismic events.

Table for JMA 14 17:48:24.0, 2.1, 2.4, 93N, 121.99E, h36km, M3.3
TAP 14 17:48:23.5, 24.82N, 121.99E, h7km, ML3.9, Taiwan

Table for JMA 14 17:51:58.4, 0.3, 2.4, 94N, 122.00E, h30km
TAP 14 17:51:57.6, 24.81N, 122.02E, h11km, ML3.1, Taiwan

Table for JMA 14 17:55:03.0, 0.3, 2.5, 04N, 122.13E, h28km, M2.3
TAP 14 17:55:01.5, 24.81N, 121.99E, h5km, ML3.3, Taiwan

Table for JMA 14 17:57:16.9, 0.2, 2.4, 91N, 121.95E, h29km, M2.3
TAP 14 17:57:17.2, 24.81N, 121.97E, h4km, ML3.1, Taiwan

Table for JMA 14 18:05:28.6, 0.1, 2.4, 90N, 122.01E, h34km
TAP 14 18:05:27.3, 24.82N, 122.01E, h7km, ML2.6, Taiwan

Table for BJI 14 18:08:17.7, 1.2, 3.0S, 166.60E, h170km, mb4.7, mb4.5
NEIC 14 18:08:17.6, 0.6, 1.2, 31S, 166.64E, h170km, mb4.4/7, Error

Table for DZM 14 18:08:18.0, 2.6, 1.2, 21S, 101.09E, 166.6E, 0.1, h188km, 242km, h181km, 7.1km; pp-P, n12, c108/23, mb3.9/17, Santa Cruz Islands

Table for MDJ comp=2.58nm, 4.3s AMB AMB
CMAR Chiang Mai Arr 73.43 294 P P 18 19 33.0 +1.1
ULN comp=2.0, 7mm, 0.8s, mb3.5, baz=120, slow=4.9, SNR=5.6 18 20 06.9 -0.3

Table for HWA Hualien 0.11 231 P P 18 10 08.9 +0.2
ESL Shilin 0.34 226 P P 18 10 12.0 -1.2
ENL Nanau 0.38 6 P P 18 10 16.0 -1.7

Table for NEIC 14 18:12:41.2, 51.03N, 178.82E, h10km, ML3.6(AEIC), After AIC, Rat Islands
Code Station Name Az Az' Phase ID Time Res ISC h m s ISC

Table for IDC 14 17:47:23.0, 0.8, 2.4, 78N, 121.91E, mb3.7/8, mb1 3.9/9, mb1mx3.7/22, mbtmp3.7/9, ML2.6/1, MS3.5/4, Mst1 3.6/4, ms1mx3.2/29, Error, ellipse: s-maj=28.5km s-min=17.0km az=65.0

Table for BJI 14 18:08:17.7, 1.2, 3.0S, 166.60E, h170km, mb4.7, mb4.5
NEIC 14 18:08:17.6, 0.6, 1.2, 31S, 166.64E, h170km, mb4.4/7, Error











Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like SMDO, BIDO, BOSA, ARU, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like BRG, BUD, PVCC, CLL, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like GMNA, WTTA, WTTA, GIVF, etc.

Technical data and coordinates for stations:
IDC 14 22:45:13.6i.5.0.7.14N-123.50E, h621km, 81km, mb3.2/6, ...
NEIC 14 22:45:13.1i.3.5.7.28N-123.78E, h617km, 51km, mb4.0/4, ...
ISC 14 22:45:10.6i.0.7.7.3N-0.1.123.7E, 0.3, h600km, n15, ...

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like DZM, STKA, ASAR, CMAR, SONM, DPC, UPC, CLL, KHC, GERES.

INET 14 22:55:03.3, 15.61N-88.31W, h10km
SSS 14 22:55:26.9, 14.42N-87.43W, h18km, MD3.4
CASC 14 22:55:28.7, 14.41N-87.67W, h0km, 4km, MD4.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like CAHU, BLLM, CNCH, VSM, SNVI, LBSR, LFRS, MTOZ, BOQU, CRIN, SNJE, TELN, RBDL, SBL, RTR, CNNG, LEON, MOMJ, PVTN, COPN, APYN, WILN.

TIR 14 22:58:29.9, 42.40N, 19.91E, h4km
PDG 14 22:58:30.6, 0.2, 42.38N, 19.98E, h3km, 1km
NEIC 14 22:58:30.6, 42.38N, 19.98E, h3km, MD2.5(PDG), After PDG.

ISC 14 22:58:30.3, 0.5, 42.37N-0.02, 20.00E-0.03, h3km, n18,
a100/32, 3C-4D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like BCI, PVI, PUK, SDA, IVA, TTG, ULC, BUM, QSH, NKY, TIR, PLE, PLE, HCY, SKO, UPM, BRY, DIVS, STON.

MAN 14 23:00:37.5, 6.00N-124.28E, h15km, mb4.0, ML2.7, MS2.4, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like KCP, PAGZ, IPIL, ASAR, ILAR.

ISC 14 23:27:52.4, 7.177S-178.65W, h616km, 104km, mb3.2/8, mb1 3.5/8, mb1mx3.2/17, mbtmp4.2/8, Error ellipse: s-maj=81.5km s-min=35.4km az=159.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like CTA, STKA, WRA, ASAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like NVAR, ILAR, TXAR, PDAR, GERES.

NEIC 14 23:33:26.2, 30.42, 98N x 128.35W, h10km, mb3.2/1, Error ellipse: s-maj=35.1km s-min=10.5km az=81.0, Off coast of Oregon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like KEBM, HMO, BROR, HBO, IRO, SSOR, NLO, BKOR, VLMM, TDH, VLF, KOSW, ASR, WFM, LON, MFM, SDCO, MNTX.

THE 14 23:48:08.3, 39.25N-20.96E, h10km, ML2.8
CSEM 14 23:48:08.3, 0.2, 39.26N-20.94E, h8km, ML2.8, Error ellipse: s-maj=4.4km s-min=3.5km az=42.0
ATH 14 23:48:09.2, 39.38N-21.22E, h5km, MD3.1/3
ISC 14 23:48:07.9, 0.6, 39.25N-0.04, 20.96E, 0.05, h4km, 9km, n11, c092/18, Greece-Albania border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like JAN, IGT, LKD, LSK, LKD, LSK, SRN, SRR, AGG, LIT, LIT, GRG.

NNC 14 23:54:29.4, 1.8, 41.79N-72.45E, mpv2.7, Error ellipse: s-maj=26.1km s-min=6.7km az=17.0
KNET 14 23:54:28.1, 0.6, 41.74N-72.55E, h1km, 2km, m1, 9.6C-7D, Error ellipse: s-maj=5.2km s-min=3.2km az=156.0, Kyrgyzstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like AML, EKS2, UCH, AAK, AAK, AAK, KBK, KBK, KK31, USP.

NEIC 14 23:56:16.6, 31.59S-69.57W, h156km, mb4.5/1, After GUC.
GUC 14 23:56:16.6, 0.8, 31.59S-69.57W, h156km, 7km, ML3.9, 5C-3D, San Juan Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like PTCH, ILCH, JACH, CHNG, CHNG, TLL, PEL, PEL, FCH, FCH, ROCH, ROCH, PACH, PACH, CLCH, CLCH, CLCH, CLCH, FSR, FSR, FSR, RCDM, RCDM, RCDM, ANTU, ANTU, ANTU, ANTU, PCH, PCH.

ISC 15 00:42:32.6, 1.1, 5.48S-145.02E, h96km, 7km, mb4.0/7, mb1 4.3/8, mb1mx4.1/14, mbtmp4.4/8, MS3.6/2, Ms1 3.6/2, Ms1 3.2/1, ms1mx2.4/28, Error ellipse: s-maj=69.9km s-min=18.4km az=60.0, East of northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like FCH, ROCH, PACH, CLCH, CLCH, FSR, RCDM, ANTU, ANTU, PCH, PCH.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like LMEL, TACH, CHCH, LCHC, CACH, CICH, SFDO, TRQA.

ISC 15 00:07:49.4, 1.3, 8.64N-146.07E, mb3.8/6, mb1 4.1/6, ms1mx3.9/18, mbtmp3.8/6, MS3.6/6, Ms1 3.6/6, ms1mx3.1/29, Error ellipse: s-maj=40.6km s-min=28.9km az=113.0, Eastern Caroline Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like CTA, MJAR, WRA, FITZ, ASAR, CMAR, SONM, PPT, ILAR, BVAR, YKA.

ISC 15 00:10:48.6, 7.2, 8.90S-130.33E, h55km, 86km, mb3.1/1, mb1 3.5/4, mb1mx3.3/14, mbtmp3.5/4, ML3.3/3, Error ellipse: s-maj=47.4km s-min=42.1km az=21.0, Tanimbar Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like FITZ, WRA, WRA, ASAR, ASAR, SONM.

ISC 15 00:20:30.5, 1.8, 2.60N-95.49E, h21km, 5km, mb4.0/6, mb1 4.1/7, mb1mx3.8/21, mbtmp4.1/7, ML4.1/1, MS3.0/1, Ms1 3.2/1, ms1mx2.4/28, Error ellipse: s-maj=69.9km s-min=18.4km az=60.0

NEIC 15 00:20:31.0, 0.6, 2.56N-95.57E, mb4.3/8, Error ellipse: s-maj=23.1km s-min=6.9km az=51.0
ISC 15 00:20:29.1, 0.8, 2.56N-95.0E, 0.1, h21km, 12km, 7km, pp-P, n18, c076/18, mb4.3/13, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like KULM, CM31, CM31, CMAR, CMAR, KKM, JIRN, PKI, DMN, GUN, KKN, GKN, KOLN, WRA, WRAB, ASAR, SONM, SONM, ZAL, ZAL, BVAR, BVAR, STKA.

ISC 15 00:42:32.6, 1.1, 5.48S-145.02E, h96km, 7km, mb4.0/7, mb1 4.3/8, mb1mx4.1/14, mbtmp4.4/8, MS3.6/2, Ms1 3.6/2, Ms1 3.2/1, ms1mx2.4/28, Error ellipse: s-maj=69.9km s-min=18.4km az=60.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like KAKA, CTA, WRAB, WRA, ASAR, ASPA, FITZ, FITZ, CBUJ.











Table with columns: BILL, comp, M, R, P, E, etc. containing station names and codes.

Table with columns: SSE, SHESHAN, NJ2, GAOTAI, etc. containing station names and codes.

Table with columns: SONM, ULN, MDJ, BIDO, etc. containing station names and codes.















Table with columns: STKA, Stephens Creek, 24.51 156 P, 0.9nm, 0.5s, baz=326, slow=12, SNR=4.1. Includes sub-sections for DJA 15:10:45-19.8:0.8, 8.70S, h114km, z7km, MD5.2/4, and RATI Rata 0.47 93z/Ph.

Table with columns: IDC 15:10:55-36.1:2.0, 5.29N-92.83E, mb3.5/2, mb1 3.8/3, mb1mx3.4/20, mbtmp3.3/3, ML3.6/1, MS3.6/1, Ms1 3.6/1, ms1mx2.7/3, Error ellipse: s-maj=79.6km s-min=33.9km az=52.0, Off west coast of northern Sumatera.

Table with columns: JMA 15:11:02:31.0:0.1, 22.91N-121.76E, M3.2, TAP 15:11:02:31.2, 22.96N-121.39E, h37km, ML3.4, Taiwan region. Includes station data for YOJ Yanaguni jima, HATJ Hateruma jima, etc.

Table with columns: IDC 15:11:10:00.2:1.1, 5.61N-93.21E, mb4.1/8, mb1 4.2/9, mb1mx3.9/22, mbtmp4.0/9, ML3.8/1, Error ellipse: s-maj=50.6km s-min=17.3km az=56.0.

Table with columns: NEIC 15:11:10:04.9:0.5, 5.64N-93.23E, h30km, mb4.6/1, Error ellipse: s-maj=15.1km s-min=7.6km az=57.0. Includes station data for JMS Jishigaki jima, etc.

Table with columns: IDC 15:11:10:03.5:0.1, 8.57N-101.93E, mb3.0/1, h33km, n16, -0334/15, mb4.2/9, 1C-1D, Off west coast of northern Sumatera.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s ISC. Includes station data for KULM Kulim, CMAR Chiang Mai Arr, FITZ Fitzroy Crossi, etc.

Table with columns: NEIC 15:11:11:22.7, 16.00N-97.56W, h16km, MD3.8(MEX), After MEX. Includes station data for PNIG Pinotepa, VHO Vista Hermosa, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s ISC. Includes station data for PNIG Pinotepa, VHO Vista Hermosa, OXX Oaxaca, etc.

Table with columns: NEIC 15:11:11:53.0:1.2, 17.97S-177.23W, h312km, 16km, mb4.2/9, Error ellipse: s-maj=18.4km s-min=12.2km az=168.0. Includes station data for AFI Afiamalu, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s ISC. Includes station data for AFI Afiamalu, DZM Mont Dzumac, URZ Urewera, etc.

Table with columns: STKA Stephens Creek, 39.62 241 P, 3.2nm, 0.7s, mb3.6, baz=79, slow=11, SNR=8.9. Includes station data for WB2 Warramunga Arr, WRAB Tennant Creek, WRA Warramunga Arr, etc.

Table with columns: IDC 15:11:20:14.3:8.1, 0.35S-96.86E, mb3.3/3, mb1 3.6/4, mb1mx3.5/17, mbtmp3.4/4, ML3.7/1, MS3.5/1, Ms1 3.5/1, ms1mx2.5/12, Error ellipse: s-maj=255.4km s-min=26.2km az=87.0, Southwest of Sumatera.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s ISC. Includes station data for CMAR Chiang Mai Arr, WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: IDC 15:11:39:16.9:1.0, 7.1S-77.57E, mb3.6/5, mb1 3.8/5, mb1mx3.6/20, mbtmp3.6/5, MS3.1/1, Ms1 3.3/1, ms1mx2.9/22, Error ellipse: s-maj=35.9km s-min=29.7km az=156.0.

Table with columns: NEIC 15:11:39:18.5:0.5, 1.75S-77.58E, h10km, mb4.2/2, Error ellipse: s-maj=18.2km s-min=9.8km az=128.0.

Table with columns: IDC 15:11:39:16.0:0.7, 1.8S-101.177E, h0.1, h10km, n13, -0588/10, mb3.7/7, MS3.0/1, Maldive Islands region.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s ISC. Includes station data for DGAR Diego Garcia, PALK Pallekele, CMAR Chiang Mai Arr, etc.

Table with columns: IDC 15:11:40:29.8:5.8, 4.04S-102.96W, mb3.8/3, mb1 4.1/3, mb1mx3.7/16, mbtmp3.8/3, MS3.8/9, Ms1 3.8/9, ms1mx3.5/27, Error ellipse: s-maj=325.0km s-min=87.9km az=101.0, Central East Pacific Rise.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s ISC. Includes station data for TXAR Lajitas Array, LPAZ La Paz, ANMO Albuquerque, etc.

Table with columns: IDC 15:12:02:36.1:3.9, 0.05S-96.63E, mb3.5/4, mb1 3.7/5, mb1mx3.6/18, mbtmp3.5/5, ML3.5/1, Error ellipse: s-maj=134.9km s-min=23.7km az=63.0, Southwest of Sumatera.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s ISC. Includes station data for CMAR Chiang Mai Arr, WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: IDC 15:12:32:58.7:16.0, 0.89S-101.16E, mb3.2/3, mb1 3.4/3, mb1mx3.3/16, mbtmp3.2/3, Error ellipse: s-maj=599.9km s-min=33.5km az=64.0, Southern Sumatera.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s ISC. Includes station data for WRA Warramunga Arr, ASAR Alice Springs, SONM Songoing Array, etc.

Table with columns: LCO Las Campanas, 0.67 102 eP, 12.41 40.8 -0.7, 12.41 51.3 +1.7, 12.41 53.0. Includes station data for VACH Vallenar, TLL Tololo Astrono, etc.

Table with columns: IDC 15:13:08:50.1:0.4, 2.97N-96.28E, mb5.1/29, mb1 5.1/30, mb1mx5.1/31, mbtmp5.0/30, ML4.9/30, MS4.9/30, Ms1 4.9/30, ms1mx4.8/39, Error ellipse: s-maj=15.8km s-min=10.1km az=42.0.

Table with columns: HRVD 15:13:08:54.0:2.2, 8.8N-96.34E, h12km, MW5.3/72, Centroid moment tensor solution. Includes station data for BSI Banda Aceh, KULM Kulim, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s ISC. Includes station data for BSI Banda Aceh, KULM Kulim, IPM Ipoh, etc.

Table with columns: CSEM 15:13:08:59.2, 3.23N-95.49E, h33km, mb5.6. Includes station data for NNT Nongplab, PASI Pasiripis, etc.

Table with columns: IDC 15:13:08:52.9:2.2, 9.6N-101.96E, 35E.0, 12, h26km, h2C-40D, Northern Sumatera. Includes station data for BSI Banda Aceh, KULM Kulim, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s ISC. Includes station data for BSI Banda Aceh, KULM Kulim, IPM Ipoh, etc.

Table with columns: IDC 15:13:08:54.5:0.1, 2.93N-96.34E, mb5.4/95, MS4.9/21, Error ellipse: s-maj=5.4km s-min=2.8km az=215.0.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s ISC. Includes station data for CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

Table with columns: IDC 15:13:08:57.0:0.9, 3.55N-96.23E, h33km, mb5.6/35, MS5.0/20, Error ellipse: s-maj=15.0km s-min=5.7km az=120.0.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s ISC. Includes station data for CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

Table with columns: IDC 15:13:08:52.9:2.2, 9.6N-101.96E, 35E.0, 12, h26km, h2C-40D, Northern Sumatera. Includes station data for BSI Banda Aceh, KULM Kulim, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s ISC. Includes station data for BSI Banda Aceh, KULM Kulim, IPM Ipoh, etc.

Table with columns: IDC 15:13:08:54.5:0.1, 2.93N-96.34E, mb5.4/95, MS4.9/21, Error ellipse: s-maj=5.4km s-min=2.8km az=215.0.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s ISC. Includes station data for CAL Calcutta, CAL Calcutta, TSM Tawau, etc.

Table with columns: IDC 15:13:08:52.9:2.2, 9.6N-101.96E, 35E.0, 12, h26km, h2C-40D, Northern Sumatera. Includes station data for BSI Banda Aceh, KULM Kulim, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s ISC. Includes station data for SHL Shillong, BOK Bokaro, TANI Tanete Lipujan, etc.

Table with columns: IDC 15:12:41:27.1:0.4, 28.88S-71.45W, h41km, MD3.8, ML3.5, 1C, Near coast of central Chile. Includes station data for GYA Gya, GYA Gya, etc.











Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for IDC 15 14:10:50.4, 6.9, 4.55S, 152.50E, mb3.9/4, mb1 4.1/4, mb1mx3.8/15, mbtimp3.9/4, Error ellipse: s-maj=144.7km s-min=43.1km az=93.0, New Britain region.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for WRA Warramunga Arr 23.39 228 P, ASAR Alice Springs 26.13 222 P, FITZ Fitzroy Crossi 49.52 241 P, CMAR Chiang Mai Arr 57.51 295 P.

IDC 15 14:11:10.9, 9.1, 2.98N-96.74E, mb3.4/3, mb1 3.6/3, mb1mx3.5/18, mbtimp3.4/3, Error ellipse: s-maj=311.8km s-min=30.4km az=68.0, Northern Sumatera

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for WRA Warramunga Arr 43.37 123 P, ASAR Alice Springs 44.84 128 P, SONM Songoing Array 45.46 9 P.

NEIC 15 14:16:16.7, 1.7, 5.61S, 149.37E, h158km, 15km, mb4.8/9, Error ellipse: s-maj=12.9km s-min=10.6km az=96.0, IDC 15 14:16:20.0, 1.4, 5.71S, 149.37E, h166km, 12km, mb3.9/12, mb1 4.0/14, mb1mx3.9/19, mbtimp4.4/14, Error ellipse: s-maj=16.0km s-min=8.8km az=113.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for PMG Port Moresby 4.49 210 P, PMG Port Moresby 4.49 210 eP, CTA Charters Tower 14.84 192 P, CTAO Charters Tower 14.84 192 eP, KAKA Kakadu 18.21 246 jP, WRAB Tennant Creek 20.51 224 eP, WB2 Warramunga Arr 20.52 224 eP, WRA Warramunga Arr 20.52 224 eS, WRA 3.9nm, 0.8s, baz=47, slow=18, SNR=8.2

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for WRA Warramunga Arr 20.52 224 eS, WRA 3.9nm, 0.8s, baz=47, slow=18, SNR=8.2, DZM 0.6nm, 0.6s, baz=49, slow=2, SNR=6, MUN Mont Dzumac 23.32 137 P, ASAR Alice Springs 23.44 218 P, ASAR 1.4nm, 0.3s, mb4.8, baz=49, slow=8, SNR=678

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for ASAR Alice Springs 23.44 218 jP, FITZ Fitzroy Crossi 26.38 240 jP, FITZ 0.7nm, 0.6s, baz=45, slow=13, SNR=4.1, STKA Stephens Creek 27.25 195 P, FORT Forrest 32.18 216 jP, MBWA Marble Bar 32.71 229 eP, KLBK Kallerberrin 39.40 225 jP, MUN Mundingar 40.71 226 eP, RPZ 2.1nm, 0.6s, mb5.0, Data Peaks 42.59 157 P, RPZ 2.1nm, 0.6s, mb5.0, RPZ Rata Peaks 42.59 157 P, MJAR Matushiro Arr 43.10 347 P, ASAJ Asahikawa 43.95 354 P, ULN Chiang Mai Arr 51.15 297 P, Ulanbaatar 64.83 330 P, SONM Songoing Array 65.14 330 P, ZAL Zalesovo 79.87 327 P, MCK McKinley 82.81 23 eP, ILAR Eileison Array 84.08 23 P, QSPA South Pole 84.48 180 eP, INK Inuvik 90.31 21 P, ARCES ARCES Array B 106.50 342 P, BDBF Brasilia 152.84 141 PKPbc PKPpdf

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for BDBF Brasilia 152.84 141 PKPbc PKPpdf, IDC 15 14:40:23.5, 0.8, 10.01N-93.42E, mb3.9/10, mb1 4.1/11, mb1mx4.0/21, mbtimp4.0/11, ML3.7/1, MS3.7/2, ms1mx2.9/33, Error ellipse: s-maj=33.5km s-min=17.3km baz=55.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for BJI 15 14:40:28.3, 10.00N-93.50E, h30km, mb4.6, mb4.1, Ms3.9, Msz3.7, NEIC 15 14:40:28.4, 0.5, 10.01N-93.53E, h30km, mb4.3/12, Error ellipse: s-maj=10.4km s-min=8.1km az=50.0, IDC 15 14:40:27.4, 1.9, 10.07N-0.09, 93.59E, 0.07, h38km, 16km, n51, 0.990/50, mb4.1/16, MS3.7/3, 2C-5D, Andaman Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for NNT Nongplab 6.52 67 P, CM31 Chiang Mai Arr 9.82 31 eP, CMAR Chiang Mai Arr 9.82 31 Pn, CHG Chiang Mai 11.02 30 P, NANT Nan 10.18 30 P, VIS Vishakhapatnam 12.53 308 eP, SHL Shillong 15.50 354 eS, HYB Hyderabad 16.33 298 eS, HYB Hyderabad 16.33 298 iP, HYB Hyderabad 16.33 298 eS, HYB Kunming 17.31 29 P, KMI comp=Z, 1.1nm, 1.5s, KMI Kunming 17.31 29 P, KMI comp=Z, 1.1nm, 1.5s, JIRN Jiri 18.84 339 eP, PKI Pulchoki comp=Z, 3.2nm, 0.9s, GUN Gumbi 19.18 339 eP, DMN Daman comp=Z, 3.4nm, 0.6s, KKN Kakani comp=Z, 2.6nm, 0.7s, LSA Lhasa 19.29 337 eP, LSA Lhasa 19.67 354 eP

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for NNT Nongplab 6.52 67 P, CM31 Chiang Mai Arr 9.82 31 eP, CMAR Chiang Mai Arr 9.82 31 Pn, CHG Chiang Mai 11.02 30 P, NANT Nan 10.18 30 P, VIS Vishakhapatnam 12.53 308 eP, SHL Shillong 15.50 354 eS, HYB Hyderabad 16.33 298 eS, HYB Hyderabad 16.33 298 iP, HYB Hyderabad 16.33 298 eS, HYB Kunming 17.31 29 P, KMI comp=Z, 1.1nm, 1.5s, KMI Kunming 17.31 29 P, KMI comp=Z, 1.1nm, 1.5s, JIRN Jiri 18.84 339 eP, PKI Pulchoki comp=Z, 3.2nm, 0.9s, GUN Gumbi 19.18 339 eP, DMN Daman comp=Z, 3.4nm, 0.6s, KKN Kakani comp=Z, 2.6nm, 0.7s, LSA Lhasa 19.29 337 eP, LSA Lhasa 19.67 354 eP

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for NNT Nongplab 6.52 67 P, CM31 Chiang Mai Arr 9.82 31 eP, CMAR Chiang Mai Arr 9.82 31 Pn, CHG Chiang Mai 11.02 30 P, NANT Nan 10.18 30 P, VIS Vishakhapatnam 12.53 308 eP, SHL Shillong 15.50 354 eS, HYB Hyderabad 16.33 298 eS, HYB Hyderabad 16.33 298 iP, HYB Hyderabad 16.33 298 eS, HYB Kunming 17.31 29 P, KMI comp=Z, 1.1nm, 1.5s, KMI Kunming 17.31 29 P, KMI comp=Z, 1.1nm, 1.5s, JIRN Jiri 18.84 339 eP, PKI Pulchoki comp=Z, 3.2nm, 0.9s, GUN Gumbi 19.18 339 eP, DMN Daman comp=Z, 3.4nm, 0.6s, KKN Kakani comp=Z, 2.6nm, 0.7s, LSA Lhasa 19.29 337 eP, LSA Lhasa 19.67 354 eP

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for NNT Nongplab 6.52 67 P, CM31 Chiang Mai Arr 9.82 31 eP, CMAR Chiang Mai Arr 9.82 31 Pn, CHG Chiang Mai 11.02 30 P, NANT Nan 10.18 30 P, VIS Vishakhapatnam 12.53 308 eP, SHL Shillong 15.50 354 eS, HYB Hyderabad 16.33 298 eS, HYB Hyderabad 16.33 298 iP, HYB Hyderabad 16.33 298 eS, HYB Kunming 17.31 29 P, KMI comp=Z, 1.1nm, 1.5s, KMI Kunming 17.31 29 P, KMI comp=Z, 1.1nm, 1.5s, JIRN Jiri 18.84 339 eP, PKI Pulchoki comp=Z, 3.2nm, 0.9s, GUN Gumbi 19.18 339 eP, DMN Daman comp=Z, 3.4nm, 0.6s, KKN Kakani comp=Z, 2.6nm, 0.7s, LSA Lhasa 19.29 337 eP, LSA Lhasa 19.67 354 eP

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for NNT Nongplab 6.52 67 P, CM31 Chiang Mai Arr 9.82 31 eP, CMAR Chiang Mai Arr 9.82 31 Pn, CHG Chiang Mai 11.02 30 P, NANT Nan 10.18 30 P, VIS Vishakhapatnam 12.53 308 eP, SHL Shillong 15.50 354 eS, HYB Hyderabad 16.33 298 eS, HYB Hyderabad 16.33 298 iP, HYB Hyderabad 16.33 298 eS, HYB Kunming 17.31 29 P, KMI comp=Z, 1.1nm, 1.5s, KMI Kunming 17.31 29 P, KMI comp=Z, 1.1nm, 1.5s, JIRN Jiri 18.84 339 eP, PKI Pulchoki comp=Z, 3.2nm, 0.9s, GUN Gumbi 19.18 339 eP, DMN Daman comp=Z, 3.4nm, 0.6s, KKN Kakani comp=Z, 2.6nm, 0.7s, LSA Lhasa 19.29 337 eP, LSA Lhasa 19.67 354 eP

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for NNT Nongplab 6.52 67 P, CM31 Chiang Mai Arr 9.82 31 eP, CMAR Chiang Mai Arr 9.82 31 Pn, CHG Chiang Mai 11.02 30 P, NANT Nan 10.18 30 P, VIS Vishakhapatnam 12.53 308 eP, SHL Shillong 15.50 354 eS, HYB Hyderabad 16.33 298 eS, HYB Hyderabad 16.33 298 iP, HYB Hyderabad 16.33 298 eS, HYB Kunming 17.31 29 P, KMI comp=Z, 1.1nm, 1.5s, KMI Kunming 17.31 29 P, KMI comp=Z, 1.1nm, 1.5s, JIRN Jiri 18.84 339 eP, PKI Pulchoki comp=Z, 3.2nm, 0.9s, GUN Gumbi 19.18 339 eP, DMN Daman comp=Z, 3.4nm, 0.6s, KKN Kakani comp=Z, 2.6nm, 0.7s, LSA Lhasa 19.29 337 eP, LSA Lhasa 19.67 354 eP

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for NNT Nongplab 6.52 67 P, CM31 Chiang Mai Arr 9.82 31 eP, CMAR Chiang Mai Arr 9.82 31 Pn, CHG Chiang Mai 11.02 30 P, NANT Nan 10.18 30 P, VIS Vishakhapatnam 12.53 308 eP, SHL Shillong 15.50 354 eS, HYB Hyderabad 16.33 298 eS, HYB Hyderabad 16.33 298 iP, HYB Hyderabad 16.33 298 eS, HYB Kunming 17.31 29 P, KMI comp=Z, 1.1nm, 1.5s, KMI Kunming 17.31 29 P, KMI comp=Z, 1.1nm, 1.5s, JIRN Jiri 18.84 339 eP, PKI Pulchoki comp=Z, 3.2nm, 0.9s, GUN Gumbi 19.18 339 eP, DMN Daman comp=Z, 3.4nm, 0.6s, KKN Kakani comp=Z, 2.6nm, 0.7s, LSA Lhasa 19.29 337 eP, LSA Lhasa 19.67 354 eP

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for NNT Nongplab 6.52 67 P, CM31 Chiang Mai Arr 9.82 31 eP, CMAR Chiang Mai Arr 9.82 31 Pn, CHG Chiang Mai 11.02 30 P, NANT Nan 10.18 30 P, VIS Vishakhapatnam 12.53 308 eP, SHL Shillong 15.50 354 eS, HYB Hyderabad 16.33 298 eS, HYB Hyderabad 16.33 298 iP, HYB Hyderabad 16.33 298 eS, HYB Kunming 17.31 29 P, KMI comp=Z, 1.1nm, 1.5s, KMI Kunming 17.31 29 P, KMI comp=Z, 1.1nm, 1.5s, JIRN Jiri 18.84 339 eP, PKI Pulchoki comp=Z, 3.2nm, 0.9s, GUN Gumbi 19.18 339 eP, DMN Daman comp=Z, 3.4nm, 0.6s, KKN Kakani comp=Z, 2.6nm, 0.7s, LSA Lhasa 19.29 337 eP, LSA Lhasa 19.67 354 eP

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for GOR Gorkha 19.73 336 eP, KOL Koldanda 19.96 333 eP, GYA comp=Z, 1.5nm, 0.8s, GYA 20.46 35 jP, GYA comp=Z, 1.0nm, 1.2s, GYA comp=Z, 1.20nm, 6.3s, GYA comp=N, 2.10nm, 13.8s, MS3.7, GYA comp=E, 1.20nm, 12.9s, MS3.7, GYA comp=Z, 1.90nm, 14.1s, MS3.6

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for POO Poona 20.88 296 eP, COO Chengdu 22.79 23 P, ENH Enshi 24.97 34 eP, GTA Gaotai 29.74 10 eP, WMQ Urumqi 34.02 352 eP, AAK Ala-Archa 36.49 336 eP, SONM Songoing Array 39.16 14 P, SONM comp=Z, 2.1nm, 0.9s, mb3.9, baz=198, slow=7.8, SNR=12, ZAL Zalesovo 44.32 353 P, BVAR Borovoye Array 46.75 341 P, ATD Arta Tunnel 49.82 277 LR, WRA Warramunga Arr 49.98 127 P, WRAB Tennant Creek 49.98 127 P, ASAR Alice Springs 51.74 131 P, KIV Kislovodsk Array B 73.03 317 P, BRTR Keskin Array B 60.60 310 P, AKASO Malin Array Be 66.11 321 P, AKASO Malin Array Be 66.11 321 P, VRI Vriocriaoia 66.76 316 jP, VRI Vriocriaoia 66.76 316 jP, MLR Muntele Rosu 72.24 315 jP, MLR Muntele Rosu 72.24 315 jP, BURAR Bucovina Array 68.07 317 jP, BURAR Bucovina Array 68.07 317 jP, FINES FINES Array B 70.53 332 P, ARCES ARCES Array B 73.03 340 P, ARCES ARCES Array B 73.03 340 P, GERE GERE Array B 75.84 318 P, NVAR Mina Array Be 123.31 30 PKP PKPpdf, PDAR Pinedale Array 123.32 20 PKP PKPpdf, PLCA Paso Flores 146.39 202 PKPbc PKPbc

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for ENH Enshi 24.97 34 eP, GTA Gaotai 29.74 10 eP, WMQ Urumqi 34.02 352 eP, AAK Ala-Archa 36.49 336 eP, SONM Songoing Array 39.16 14 P, SONM comp=Z, 2.1nm, 0.9s, mb3.9, baz=198, slow=7.8, SNR=12, ZAL Zalesovo 44.32 353 P, BVAR Borovoye Array 46.75 341 P, ATD Arta Tunnel 49.82 277 LR, WRA Warramunga Arr 49.98 127 P, WRAB Tennant Creek 49.98 127 P, ASAR Alice Springs 51.74 131 P, KIV Kislovodsk Array B 73.03 317 P, BRTR Keskin Array B 60.60 310 P, AKASO Malin Array Be 66.11 321 P, AKASO Malin Array Be 66.11 321 P, VRI Vriocriaoia 66.76 316 jP, VRI Vriocriaoia 66.76 316 jP, MLR Muntele Rosu 72.24 315 jP, MLR Muntele Rosu 72.24 315 jP, BURAR Bucovina Array 68.07 317 jP, BURAR Bucovina Array 68.07 317 jP, FINES FINES Array B 70.53 332 P, ARCES ARCES Array B 73.03 340 P, ARCES ARCES Array B 73.03 340 P, GERE GERE Array B 75.84 318 P, NVAR Mina Array Be 123.31 30 PKP PKPpdf, PDAR Pinedale Array 123.32 20 PKP PKPpdf, PLCA Paso Flores 146.39 202 PKPbc PKPbc

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for IDC 15 14:47:09.2, 1.5, 5.51N-93.09E, mb4.1/7, mb1 4.2/8, mb1mx3.9/22, mbtimp4.0/8, ML2.7/1, Error ellipse: s-maj=64.6km s-min=17.4km az=60.0, NEIC 15 14:47:14.0, 0.8, 5.58N-93.16E, h30km, mb4.5/1, Error ellipse: s-maj=24.8km s-min=8.2km az=67.0, IDC 15 14:47:12.1, 2.5, 6.5N-1.1, 93.2E, 0.2, h30km, n12, 0.627/12, mb4.2/8, Off west coast of northern Sumatera

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for CMAR Chiang Mai Arr 13.99 23 Ph, FITZ Fitzroy Crossi 39.73 127 P, SONM Songoing Array 43.61 13 P, SONM Songoing Array 43.61 13 P, WRA Warramunga Arr 47.75 123 P, WRAB Tennant Creek 47.75 123 eP, WRA Warramunga Arr 47.75 123 P, ZAL Zalesovo 48.71 353 P, ZAL Zalesovo 48.71 353 P, ASPA Alice Springs 49.21 128 P, ASPA Alice Springs 49.21 128 P, ASAR Alice Springs 49.21 128 P, ASAR Alice Springs 49.21 128 P, BVAR Borovoye Array 50.87 342 P, ARCES ARCES Array B 70.53 332 P, ARCES ARCES Array B 70.53 332 P, IDC 15 14:49:41.9, 1.3, 22.11S-65.82W, h254km, 12km, mb3.0/3, mb1 3.3/8, mb1mx3.2/19, mbtimp3.6/8, Error ellipse: s-maj=26.1km s-min=17.3km az=154.0, NEIC 15 14:49:21.0, 2.2, 0.7S-65.81W, h256km, 8km, mb3.7/2, ms1mx2.9/33, Error ellipse: s-maj=12.2km s-min=10.2km az=119.0, IDC 15 14:49:41.0, 0.8, 22.10S-0.05, 65.8W, 0.1, h261km, 10km, n12, 0.190/16, mb3.2/3, Jujuy Province

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for CMAR Chiang Mai Arr 13.99 23 Ph, FITZ Fitzroy Crossi 39.73 127 P, SONM Songoing Array 43.61 13 P, SONM Songoing Array 43.61 13 P, WRA Warramunga Arr 47.75 123 P, WRAB Tennant Creek 47.75 123 eP, WRA Warramunga Arr 47.75 123 P, ZAL Zalesovo 48.71 353 P, ZAL Zalesovo 48.71 353 P, ASPA Alice Springs 49.21 128 P, ASPA Alice Springs 49.21 128 P, ASAR Alice Springs 49.21 128 P, ASAR Alice Springs 49.21 128 P, BVAR Borovoye Array 50.87 342 P, ARCES ARCES Array B 70.53 332 P, ARCES ARCES Array B 70.53 332 P, IDC 15 14:49:41.9, 1.3, 22.11S-65.82W, h254km, 12km, mb3.0/3, mb1 3.3/8, mb1mx3.2/19, mbtimp3.6/8, Error ellipse: s-maj=26.1km s-min=17.3km az=154.0, NEIC 15 14:49:21.0, 2.2, 0.7S-65.81W, h256km, 8km, mb3.7/2, ms1mx2.9/33, Error ellipse: s-maj=12.2km s-min=10.2km az=119.0, IDC 15 14:49:41.0, 0.8, 22.10S-0.05, 65.8W, 0.1, h261km, 10km, n12, 0.190/16, mb3.2/3, Jujuy Province

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for LVC Lione Verde 2.92 259 P, LVC 1.1nm, 0.3s, baz=71, slow=7.2, SNR=33, LPAZ La Paz 6.18 339 P, LPAZ 0.5nm, 0.3s, baz=166, slow=5.2, SNR=6.7, SIV San Ignacio 7.54 37 P, ARE Arequipa 7.76 315 eS, CFAA Coronel Fontan 9.71 192 P, CFAA 0.1nm, 0.3s, baz=27, slow=9.0, SNR=6.4, CFAA 0.2nm, 0.3s, baz=134, slow=16, SNR=6.8, SAML Samuel 13.32 11 eP, NNA Nana 14.57 312 eP, BDBF Brasilia 18.01 72 P, PDAR Pinedale Array 76.10 328 P, NVAR Yellowknife Arr 92.73 340 P, YKA Yellowknife Arr 92.73 340 P, YKA Yellowknife Arr 92.73 340 P, IDC 15 14:49:41.4, 1.0, 1.21N-96.91E, mb4.2/13, mb1 4.3/14, mb1mx4.2/22, mbtimp4.2/14, ML4.4/1, MS3.6/1, MS1 3.8/1, ms1mx2.9/28, Error ellipse: s-maj=37.2km s-min=16.6km az=49.0, BJI 15 14:49:44.8, 1.14N-97.19E, h38km, mb4.9, mb4.7, Ms4.2, Msz3.9, NEIC 15 14:49:46.4, 0.5, 1.29N-97.08E, h30km, mb4.6/15, Error ellipse: s-maj=12.7km s-min=8.0km az=48.0, IDC 15 14:49:45.3, 0.6, 1.32N, 0.08, 97.13E, 0.08, h33km, n40,

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for LVC Lione Verde 2.92 259 P, LVC 1.1nm, 0.3s, baz=71, slow=7.2, SNR=33, LPAZ La Paz 6.18 339 P, LPAZ 0.5nm, 0.3s, baz=166, slow=5.2, SNR=6.7, SIV San Ignacio 7.54 37 P, ARE Arequipa 7.76 315 eS, CFAA Coronel Fontan 9.71 192 P, CFAA 0.1nm, 0.3s, baz=27, slow=9.0, SNR=6.4, CFAA 0.2nm, 0.3s, baz=134, slow=16, SNR=6.8, SAML Samuel 13.32 11 eP, NNA Nana 14.57 312 eP, BDBF Brasilia 18.01 72 P, PDAR Pinedale Array 76.10 328 P, NVAR Yellowknife Arr 92.73 340 P, YKA Yellowknife Arr 92.73 340 P, YKA Yellowknife Arr 92.73 340 P, IDC 15 14:49:41.4, 1.0, 1.21N-96.91E, mb4.2/13, mb1 4.3/14, mb1mx4.2/22, mbtimp4.2/14, ML4.4/1, MS3.6/1, MS1 3.8/1, ms1mx2.9/28, Error ellipse: s-maj=37.2km s-min=16.6km az=49.0, BJI 15 14:49:44.8, 1.14N-97.19E, h38km, mb4.9, mb4.7, Ms4.2, Msz3.9, NEIC 15 14:49:46.4, 0.5, 1.29N-97.08E, h30km, mb4.6/15, Error ellipse: s-maj=12.7km s-min=8.0km az=48.0, IDC 15 14:49:45.3, 0.6, 1.32N, 0.08, 97.13E, 0.08, h33km, n40,

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for IDC 15 14:49:41.4, 1.0, 1.21N-96.91E, mb4.2/13, mb1 4.3/14, mb1mx4.2/22, mbtimp4.2/14, ML4.4/1, MS3.6/1, MS1 3.8/1, ms1mx2.9/28, Error ellipse: s-maj=37.2km s-min=16.6km az=49.0, BJI 15 14:49:44.8, 1.14N-97.19E, h38km, mb4.9, mb4.7, Ms4.2, Msz3.9, NEIC 15 14:49:46.4, 0.5, 1.29N-97.08E, h30km, mb4.6/15, Error ellipse: s-maj=12.7km s-min=8.0km az=48.0, IDC 15 14:49:45.3, 0.6, 1.32N, 0.08, 97.13E, 0.08, h33km, n40,

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for IDC 15 14:49:41.4, 1.0, 1.21N-96.91E, mb4.2/13, mb1 4.3/14, mb1mx4.2/22, mbtimp4.2/14, ML4.4/1, MS3.6/1, MS1 3.8/1, ms1mx2.9/28, Error ellipse: s-maj=37.2km s-min=16.6km az=49.0, BJI 15 14:49:44.8, 1.14N-97.19E, h38km, mb4.9, mb4.7, Ms4.2, Msz3.9, NEIC 15 14:49:46.4, 0.5, 1.29N-97.08E, h30km, mb4.6/15, Error ellipse: s-maj=12.7km s-min=8.0km az=48.0, IDC 15 14:49:45.3, 0.6, 1.32N, 0.08, 97.13E, 0.08, h33km, n40,

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for IDC 15 14:49:41.4, 1.0, 1.21N-96.91E, mb4.2/13, mb1 4.3/14, mb1mx4.2/22, mbtimp4.2/14, ML4.4/1, MS3.6/1, MS1 3.8/1, ms1mx2.9/28, Error ellipse: s-maj=37.2km s-min=16.6km az=49.0, BJI 15 14:49:44.8, 1.14N-97.19E, h38km, mb4.9, mb4.7, Ms4.2, Msz3.9, NEIC 15 14:49:46.4, 0.5, 1.29N-97.08E, h30km, mb4.6/15, Error ellipse: s-maj=12.7km s-min=8.0km az=48.0, IDC 15 14:49:45.3, 0.6, 1.32N, 0.08, 97.13E, 0.08, h33km, n40,

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for IDC 15 14:49:41.4, 1.0, 1.21N-96.91E, mb4.2/13, mb1 4.3/14, mb1mx4.2/22, mbtimp4.2/14, ML4.4/1, MS3.6/1, MS1 3.8/1, ms1mx2.9/28, Error ellipse: s-maj=37.2km s-min=16.6km az=49.0, BJI 15 14:49:44.8, 1.14N-97.19E, h38km, mb4.9, mb4.7, Ms4.2, Msz3.9, NEIC 15 14:49:46.4, 0.5, 1.29N-97.08E, h30km, mb4.6/15, Error ellipse: s-maj=12.7km s-min=8.0km az=48.0, IDC 15 14:49:45.3, 0.6, 1.32N, 0.08, 97.13E, 0.08, h33km, n40,

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for IDC 15 14:49:41.4, 1.0, 1.21N-96.91E, mb4.2/13, mb1 4.3/14, mb1mx4.2/22, mbtimp4.2/14, ML4.4/1, MS3.6/1, MS1 3.8/1, ms1mx2.9/28, Error ellipse: s-maj=37.2km s-min=16.6km az=49.0, BJI 15 14:49:44.8, 1.14N-97.19E, h38km, mb4.9, mb4.7, Ms4.2, Msz3.9, NEIC 15 14:49:46.4, 0.5, 1.29N-97.08E, h30km, mb4.6/15, Error ellipse: s-maj=12.7km s-min=8.0km az=48.0, IDC 15 14:49:45.3, 0.6, 1.32N, 0.08, 97.13E, 0.08, h33km, n40,

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes entries for IDC 15 14:49:41.4, 1.0, 1.21N-96.91E, mb4.2/13, mb1 4.3/14, mb1mx4.2/22, mbtimp4.2/14, ML4.4/1, MS3.6/1, MS1 3.8/1, ms1mx2.9/28, Error ellipse: s-maj=37.2km s-min=16.6km az=49.0, BJI 15 14:49:44.8, 1.14N-97.19E, h38km, mb4.9, mb4.7, Ms4.2, Msz3.9, NEIC 15 14:49:46.4, 0.5, 1.29N-97.08E, h30km, mb4.6/15, Error ellipse: s-maj=12.7km s-min=8.0km az=48.0, IDC



15d 16h

Plg17, Azm26: nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. IDC 15 16:03:05.2,2.9,3.25S:139.72E, h42km,28km,mb4.4/10, mb1.4/13,mb1mx4.6/16,mbtmp4.7/13,ML4.5/3,MS4.2/15, Ms1.4/2.15,ms1mx4.1/24 Error ellipse: s-maj=21.5km s-min=11.6km az=93.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data.

2005 APR

Table with columns: S/NY, LR, LR, P, P, Time, Res, ISC. Lists seismic stations and their recorded data for the month of April 2005.

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists seismic stations and their recorded data, including specific event details like IDC 15 16:05:37.9,2.2,1.57S:99.60E,mb4.0/3,mb1.3/9.4, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Rows include ARR Array, ULBA Ulba, PISA Pisayambo, NAST Nasa, etc.

MOS 15:16:37:59.3:0.9,36.66N:71.02E,h218km,mb3.9/12,Error ellipse: s-maj=17.7km s-min=8.8km az=105.4

Main table for station 639, listing codes, station names, and coordinates. Includes stations like CEP Cherat, CHCP Chirah Chowk, THW Thamme Wali, etc.

Table for station 640, listing codes, station names, and coordinates. Includes stations like ZAL Zalesovo, NVS Novosibirsk, ARU Arti, etc.

IDC 15:16:39:28.8:0.5,3.01N:96.32E,mb4.5/19,mb1 4.6/19,mb1mx4.5/24,mbtmp4.5/19,MS3.8/3,Ms1 3.9/3,ms1mx3.3/26,Error ellipse: s-maj=22.8km s-min=11.8km az=49.0

Main table for station 640, listing codes, station names, and coordinates. Includes stations like KULM Kulim, SNG Songkhla, NNT Nonnglab, etc.

Main table for station 641, listing codes, station names, and coordinates. Includes stations like LSA Lhasa, GKN Gorkha, KOLN Koldanda, etc.





Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Col de Zad, El Ksiba, Adamuz, etc.

ADC 15 17:34:32.0, 9.2, 62.325x158.29W, mb4.1/5, mb1 4.3/6, mb1mx3.1/10, mbtmp4.1/6, ML4.1/1, MS4.3/14, Ms1 4.3/16, ms1mx3.1/17, Error ellipse: s-maj=44.8km s-min=21.0km az=10.0

NEIC 15 17:34:32.0, 2.7, 62.49Sx158.20W, h10km, mb4.5/3, Error ellipse: s-maj=17.2km s-min=14.7km az=50.0

ISC 15 17:34:33.0, 6.0, 62.655Sx108.158W, 0.3, h10km, n26, r1616/14, mb4.2/6, MS4.4/13, 2C, Pacific-Antarctic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Scott Base, Vanda, Rata Peaks, etc.

ADC 15 17:42:06.5, 1.9, 13.86N, 124.83E, mb3.3/4, mb1 3.5/4, mb1mx3.3/20, mbtmp3.3/4, Error ellipse: s-maj=81.0km s-min=22.9km az=57.0

ISC 15 17:42:05.7, 1.9, 14.09N, 0.09x124.75E, 0.08, h3km, 12km, n11, r1899/13, mb3.3/4, Luzon

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

ADC 15 17:48:43.0, 3.0, 24.67Sx176.72W, mb4.1/5, mb1 4.2/5, mb1mx3.9/18, mbtmp4.1/5, MS4.3/2, Ms1 4.4/2, ms1mx3.5/24, Error ellipse: s-maj=130.7km s-min=45.9km az=154.0, South of Fiji Islands

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

ADC 15 18:29:25.4, 0.8, 24.08Sx66.83W, h181km, 7km, mb4.2/15, mb1 4.4/20, mb1mx4.3/23, mbtmp4.7/20, Error ellipse: s-maj=11.5km s-min=9.3km az=68.0

BUI 15 18:29:26.3, 2.4, 00.05Sx66.80W, h190km, mb4.9 GUC 15 18:29:26.5, 0.9, 24.10Sx67.41W, h218km, 12km, ML5.1, NEIC 15 18:29:26.4, 0.5, 24.03Sx66.84W, h190km, 4km, mb4.6/28, Error ellipse: s-maj=7.4km s-min=5.7km az=72.0

ISC 15 18:29:24.0, 0.5, 24.13Sx0.04x66.94W, 0.06, h187km, 5km, n90, r1228/80, mb4.5/34, 3C-7Z, Salta Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like San Pedro de A, Limon Verde, Cerro Paranal, etc.

ADC 15 18:32:10.5, 23.70Sx175.10W, h10km, mb5.7, mb5.2, Ms2.2, Ms2.0

HRVD 15 18:32:10.6, 0.1, 23.83Sx174.58W, h12km, MW5.4/78, Centroid moment Tensor Solution. LP body waves: s63, c117, Mantle waves: 579, 1159. Half duration: 1s2 Moment tensor: Scale 10^17Nm. M=, 1.3E+02, M=0.17E+02, M=0.14E+02, M=0.15E+02, M=0.07E+02, M=0.04E+02, Best double couple: M=1.48E+1017 NP1: 0.331, 836, -1, 833. NP2: 203.92, 855, -1, 95. Principal axes: T: 1.566, Plig10, Azm297; N: -1.67, Plig4, Azm206; P: -1.398, Plig80, Azm95; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s.

NEIC 15 18:32:10.5, 2.1, 23.65Sx175.07W, h10km, mb5.2/66, MS5.2/33 Error ellipse: s-maj=6.9km s-min=4.4km az=132.0

MOS 15 18:32:10.5, 2.1, 23.68Sx175.22W, h10km, mb5.5/14, MS5.1/16, Error ellipse: s-maj=22.4km s-min=15.3km az=115.3

ADC 15 18:32:14.9, 2.8, 23.63Sx175.12W, h39km, 23km, mb4.8/27, mb1 5.0/27, mb1mx5.0/28, mbtmp5.0/27, MS4.9/24, Ms1 4.9/24, ms1mx4.7/37, Error ellipse: s-maj=14.6km s-min=11.0km az=161.0

BGS 15 18:32:15.2, 2.4, 23.65Sx175.07W, h10km ORF 15 18:32:26.7, 0.2, 37.37Sx176.23W, h30km, mb5.7, ISC 15 18:32:13.7, 0.2, 23.83Sx175.03W, 0.04, h44km, h44km, n1, 9km, pp-P, N398, r1331/224, MS5.2/87, MS5.1/67, 35C-34Z, Tonga Islands region

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

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

ADC 15 18:32:10.5, 23.70Sx175.10W, h10km, mb5.7, mb5.2, Ms2.2, Ms2.0

HRVD 15 18:32:10.6, 0.1, 23.83Sx174.58W, h12km, MW5.4/78, Centroid moment Tensor Solution. LP body waves: s63, c117, Mantle waves: 579, 1159. Half duration: 1s2 Moment tensor: Scale 10^17Nm. M=, 1.3E+02, M=0.17E+02, M=0.14E+02, M=0.15E+02, M=0.07E+02, M=0.04E+02, Best double couple: M=1.48E+1017 NP1: 0.331, 836, -1, 833. NP2: 203.92, 855, -1, 95. Principal axes: T: 1.566, Plig10, Azm297; N: -1.67, Plig4, Azm206; P: -1.398, Plig80, Azm95; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s.

NEIC 15 18:32:10.5, 2.1, 23.65Sx175.07W, h10km, mb5.2/66, MS5.2/33 Error ellipse: s-maj=6.9km s-min=4.4km az=132.0

MOS 15 18:32:10.5, 2.1, 23.68Sx175.22W, h10km, mb5.5/14, MS5.1/16, Error ellipse: s-maj=22.4km s-min=15.3km az=115.3

ADC 15 18:32:14.9, 2.8, 23.63Sx175.12W, h39km, 23km, mb4.8/27, mb1 5.0/27, mb1mx5.0/28, mbtmp5.0/27, MS4.9/24, Ms1 4.9/24, ms1mx4.7/37, Error ellipse: s-maj=14.6km s-min=11.0km az=161.0

BGS 15 18:32:15.2, 2.4, 23.65Sx175.07W, h10km ORF 15 18:32:26.7, 0.2, 37.37Sx176.23W, h30km, mb5.7, ISC 15 18:32:13.7, 0.2, 23.83Sx175.03W, 0.04, h44km, h44km, n1, 9km, pp-P, N398, r1331/224, MS5.2/87, MS5.1/67, 35C-34Z, Tonga Islands region

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



BILL	comp=Z,6.0nm,1.1s,mb4.9	MLR	MLR		
BILL	comp=Z,800nm,20.0s,MS5.2				
BILL	<b>Bilbino</b> 92.63 353	eP	P	18 45 20.4	-1.1
BILL	comp=Z,6.0nm,0.8s,mb5.1	LR	LR		
WMOK	comp=Z,874nm,21.0s,MS5.2	eP	P	18 45 22.1	-0.9
WMOK	comp=Z,4.2nm,0.7s,mb5.0	LR	LR		
KMI	comp=Z,810nm,20.0s,MS5.2	LR	LR		
KMI	<b>Kunming</b> 93.29 296	P	P	18 45 27.5	+2.0
KMI	comp=Z,21nm,1.0s,mb5.5	AMB	AMB		
KMI	comp=Z,214nm,4.9s	LR	LR		
KMI	comp=N,149nm,16.8s,MS4.9	LR	LR		
KMI	comp=E,353nm,18.2s,MS4.9	LR	LR		
KMI	comp=Z,494nm,30.8s				
KMI	<b>Kummin</b> 93.29 296	P	P	18 45 27.5	+2.0
KMI	comp=Z,21nm,1.0s,mb5.5	pP	pP	18 45 40.1	+1.3
KMI		sP	sP	18 45 45.2	+2.0
KMI		pp	pp	18 49 14.0	+1.7
KMI		sKS	sKS	18 56 56.6	+2.2
KMI		sS	sS	18 56 25.9	+0.7
KMI		sS	sS	18 56 51.0	
KMI		PS	PS	18 57 49.0	-1.5
KMI		SS	SS	19 02 45.1	-2.1
EDM	comp=Z,490nm,30.8s,MS4.8				
HHC	<b>Edmonton</b> 93.42 32	eP	P	18 45 24.2	-1.2
HHC	<b>Hu-ho-hao-te</b> 93.63 313	eP	P	18 45 30.9	+4.2
HHC		sKS	sKS	18 56 01.5	+5.6
HHC		AMB	AMB	18 56 38.8	+1.0
HHC	comp=Z,11nm,1.1s,mb5.2	AMB	AMB		
HHC	comp=Z,210nm,6.4s	LR	LR		
HHC	comp=N,121nm,20.4s,MS4.7	LR	LR		
HHC	comp=E,272nm,22.9s,MS4.7	LR	LR		
HHC	comp=Z,511nm,20.7s,MS5.0	LR	LR		
CM31	<b>Chiang Mai Arr</b> 93.80 288	eP	P	18 45 30.0	+2.1
CMAR	<b>Chiang Mai Arr</b> 93.80 288	iP	P	18 45 30.4	+2.5
CMAR	comp=Z,24nm,0.9s				
CMAR	<b>Chiang Mai Arr</b> 93.80 288	P	P	18 45 30.0	+2.1
CMAR	comp=Z,24nm,0.9s,mb5.6,baz=131,slow=3.1,SNR=91				
CMAR	comp=Z,0.7nm,0.7s,baz=286,slow=2.6,SNR=81.1				
CMAR	comp=Z,259nm,18.9s,MS4.7,baz=110,slow=36				
CHG	<b>Chiang Mai</b> 93.94 289	iP	P	18 45 30.3	+1.8
CHG	comp=Z,24nm,0.8s,mb5.7				
JTS	<b>JuntasAbangare</b> 94.16 81	iP	P	18 45 30.1	+0.5
JTS	<b>JuntasAbangare</b> 94.16 81	LR	LR	19 16 27.1	
JTS	comp=Z,240nm,19.8s,MS4.7,baz=255,slow=28				
JTS	<b>JuntasAbangare</b> 94.16 81	eP	P	18 45 30.1	+0.5
JTS	comp=Z,15nm,1.0s,mb4.9				
LVC	<b>Limon Verde</b> 94.67 117	P	P	18 45 34.1	+2.3
LVC	comp=Z,11nm,0.9s,mb5.3,baz=263,slow=5.6,SNR=11				
LVC	comp=Z,12nm,0.9s,mb5.3	LR	LR		
LVC	comp=Z,834nm,21.0s,MS5.2	LR	LR		
YAK	<b>Yakutsk</b> 96.22 337	iP	P	18 45 36.8	-1.1
YAK	comp=Z,11nm,0.8s,mb5.3				
YAK	<b>Yakutsk</b> 96.22 337	eP	P	18 45 36.8	-1.1
YAK	comp=Z,9.7nm,0.8s,mb5.3	LR	LR		
LPAZ	comp=Z,306nm,19.0s,MS4.8				
LPAZ	<b>La Paz</b> 98.26 112	P	P	18 45 49.4	+1.1
LPAZ	comp=Z,2.0nm,0.7s,mb4.8,baz=225,slow=4.6,SNR=10				
LPAZ	comp=Z,516nm,18.3s,MS5.1,baz=167,slow=31				
LPAZ	<b>La Paz</b> 98.26 112	eP	P	18 45 48.7	+0.5
LPAZ	comp=Z,2.5nm,0.8s,mb4.8	LR	LR		
LPAZ	comp=Z,648nm,20.0s,MS5.1	LR	LR		
YKA	<b>Yellowknife Ar</b> 98.39 24	P	P	18 45 46.7	-1.0
YKA	comp=Z,1.0nm,0.8s,mb4.4,baz=238,slow=4.2,SNR=16				
YKA	comp=Z,0.1nm,0.4s,baz=236,slow=6.7,SNR=3.3				
YKA	comp=Z,0.4nm,0.6s,baz=251,slow=1.0,SNR=8.0				
YKA	comp=Z,1.6nm,0.8s,baz=41,slow=2.7,SNR=20				
YKA	<b>Yellowknife Ar</b> 98.39 24	PP	PP	18 49 38.9	-1.2
YKA	comp=Z,1.0nm,0.8s,mb4.4,baz=238,slow=4.2,SNR=16				
YKA	comp=Z,0.1nm,0.4s,baz=236,slow=6.7,SNR=3.3				
YKA	comp=Z,0.4nm,0.6s,baz=251,slow=1.0,SNR=8.0				
YKA	comp=Z,1.6nm,0.8s,baz=41,slow=2.7,SNR=20				
YKA	<b>Yellowknife Ar</b> 98.39 24	PP	PP	18 49 38.9	-1.2
YKA	comp=Z,1.0nm,0.8s,mb4.4,baz=238,slow=4.2,SNR=16				
YKA	comp=Z,0.1nm,0.4s,baz=236,slow=6.7,SNR=3.3				
YKA	comp=Z,0.4nm,0.6s,baz=251,slow=1.0,SNR=8.0				
YKA	comp=Z,1.6nm,0.8s,baz=41,slow=2.7,SNR=20				
YKA	<b>Yellowknife Ar</b> 98.39 24	PP	PP	18 49 38.9	-1.2
YKA	comp=Z,1.0nm,0.8s,mb4.4,baz=238,slow=4.2,SNR=16				
YKA	comp=Z,0.1nm,0.4s,baz=236,slow=6.7,SNR=3.3				
YKA	comp=Z,0.4nm,0.6s,baz=251,slow=1.0,SNR=8.0				
YKA	comp=Z,1.6nm,0.8s,baz=41,slow=2.7,SNR=20				
YKA	<b>Yellowknife Ar</b> 98.39 24	PP	PP	18 49 38.9	-1.2
YKA	comp=Z,1.0nm,0.8s,mb4.4,baz=238,slow=4.2,SNR=16				
YKA	comp=Z,0.1nm,0.4s,baz=236,slow=6.7,SNR=3.3				
YKA	comp=Z,0.4nm,0.6s,baz=251,slow=1.0,SNR=8.0				
YKA	comp=Z,1.6nm,0.8s,baz=41,slow=2.7,SNR=20				
YKA	<b>Yellowknife Ar</b> 98.39 24	PP	PP	18 49 38.9	-1.2
YKA	comp=Z,1.0nm,0.8s,mb4.4,baz=238,slow=4.2,SNR=16				
YKA	comp=Z,0.1nm,0.4s,baz=236,slow=6.7,SNR=3.3				
YKA	comp=Z,0.4nm,0.6s,baz=251,slow=1.0,SNR=8.0				
YKA	comp=Z,1.6nm,0.8s,baz=41,slow=2.7,SNR=20				
YKA	<b>Yellowknife Ar</b> 98.39 24	PP	PP	18 49 38.9	-1.2
YKA	comp=Z,1.0nm,0.8s,mb4.4,baz=238,slow=4.2,SNR=16				
YKA	comp=Z,0.1nm,0.4s,baz=236,slow=6.7,SNR=3.3				
YKA	comp=Z,0.4nm,0.6s,baz=251,slow=1.0,SNR=8.0				
YKA	comp=Z,1.6nm,0.8s,baz=41,slow=2.7,SNR=20				
YKA	<b>Yellowknife Ar</b> 98.39 24	PP	PP	18 49 38.9	-1.2
YKA	comp=Z,1.0nm,0.8s,mb4.4,baz=238,slow=4.2,SNR=16				
YKA	comp=Z,0.1nm,0.4s,baz=236,slow=6.7,SNR=3.3				
YKA	comp=Z,0.4nm,0.6s,baz=251,slow=1.0,SNR=8.0				
YKA	comp=Z,1.6nm,0.8s,baz=41,slow=2.7,SNR=20				
YKA	<b>Yellowknife Ar</b> 98.39 24	PP	PP	18 49 38.9	-1.2
YKA	comp=Z,1.0nm,0.8s,mb4.4,baz=238,slow=4.2,SNR=16				
YKA	comp=Z,0.1nm,0.4s,baz=236,slow=6.7,SNR=3.3				
YKA	comp=Z,0.4nm,0.6s,baz=251,slow=1.0,SNR=8.0				
YKA	comp=Z,1.6nm,0.8s,baz=41,slow=2.7,SNR=20				
YKA	<b>Yellowknife Ar</b> 98.39 24	PP	PP	18 49 38.9	-1.2
YKA	comp=Z,1.0nm,0.8s,mb4.4,baz=238,slow=4.2,SNR=16				
YKA	comp=Z,0.1nm,0.4s,baz=236,slow=6.7,SNR=3.3				
YKA	comp=Z,0.4nm,0.6s,baz=251,slow=1.0,SNR=8.0				
YKA	comp=Z,1.6nm,0.8s,baz=41,slow=2.7,SNR=20				
YKA	<b>Yellowknife Ar</b> 98.39 24	PP	PP	18 49 38.9	-1.2
YKA	comp=Z,1.0nm,0.8s,mb4.4,baz=238,slow=4.2,SNR=16				
YKA	comp=Z,0.1nm,0.4s,baz=236,slow=6.7,SNR=3.3				
YKA	comp=Z,0.4nm,0.6s,baz=251,slow=1.0,SNR=8.0				
YKA	comp=Z,1.6nm,0.8s,baz=41,slow=2.7,SNR=20				
YKA	<b>Yellowknife Ar</b> 98.39 24	PP	PP	18 49 38.9	-1.2
YKA	comp=Z,1.0nm,0.8s,mb4.4,baz=238,slow=4.2,SNR=16				
YKA	comp=Z,0.1nm,0.4s,baz=236,slow=6.7,SNR=3.3				
YKA	comp=Z,0.4nm,0.6s,baz=251,slow=1.0,SNR=8.0				
YKA	comp=Z,1.6nm,0.8s,baz=41,slow=2.7,SNR=20				
YKA	<b>Yellowknife Ar</b> 98.39 24	PP	PP	18 49 38.9	-1.2
YKA	comp=Z,1.0nm,0.8s,mb4.4,baz=238,slow=4.2,SNR=16				
YKA	comp=Z,0.1nm,0.4s,baz=236,slow=6.7,SNR=3.3				
YKA	comp=Z,0.4nm,0.6s,baz=251,slow=1.0,SNR=8.0				
YKA	comp=Z,1.6nm,0.8s,baz=41,slow=2.7,SNR=20				
YKA	<b>Yellowknife Ar</b> 98.39 24	PP	PP	18 49 38.9	-1.2
YKA	comp=Z,1.0nm,0.8s,mb4.4,baz=238,slow=4.2,SNR=16				
YKA	comp=Z,0.1nm,0.4s,baz=236,slow=6.7,SNR=3.3				
YKA	comp=Z,0.4nm,0.6s,baz=251,slow=1.0,SNR=8.0				
YKA	comp=Z,1.6nm,0.8s,baz=41,slow=2.7,SNR=20				
YKA	<b>Yellowknife Ar</b> 98.39 24	PP	PP	18 49 38.9	-1.2
YKA	comp=Z,1.0nm,0.8s,mb4.4,baz=238,slow=4.2,SNR=16				
YKA	comp=Z,0.1nm,0.4s,baz=236,slow=6.7,SNR=3.3				
YKA	comp=Z,0.4nm,0.6s,baz=251,slow=1.0,SNR=8.0				
YKA	comp=Z,1.6nm,0.8s,baz=41,slow=2.7,SNR=20				
YKA	<b>Yellowknife Ar</b> 98.39 24	PP	PP	18 49 38.9	-1.2
YKA	comp=Z,1.0nm,0.8s,mb4.4,baz=238,slow=4.2,SNR=16				
YKA	comp=Z,0.1nm,0.4s,baz=236,slow=6.7,SNR=3.3				
YKA	comp=Z,0.4nm,0.6s,baz=251,slow=1.0,SNR=8.0				
YKA	comp=Z,1.6nm,0.8s,baz=41,slow=2.7,SNR=20				
YKA	<b>Yellowknife Ar</b> 98.39 24	PP	PP	18 49 38.9	-1.2
YKA	comp=Z,1.0nm,0.8s,mb4.4,baz=238,slow=4.2,SNR=16				
YKA	comp=Z,0.1nm,0.4s,baz=236,slow=6.7,SNR=3.3				
YKA	comp=Z,0.4nm,0.6s,baz=251,slow=1.0,SNR=8.0				
YKA	comp=Z,1.6nm,0.8s,baz=41,slow=2.7,SNR=20				
YKA	<b>Yellowknife Ar</b> 98.39 24	PP	PP	18 49 38.9	-1.2
YKA	comp=Z,1.0nm,0.8s,mb4.4,baz=238,slow=4.2,SNR=16				
YKA	comp=Z,0.1nm,0.4s,baz=236,slow=6.7,SNR=3.3				
YKA	comp=Z,0.4nm,0.6s,baz=251,slow=1.0,SNR=8.0				
YKA	comp=Z,1.6nm,0.8s,baz=41,slow=2.7,SNR=20				
YKA	<b>Yellowknife Ar</b> 98.39 24	PP	PP	18 49 38.9	-1.2
YKA	comp=Z,1.0nm,0.8s,mb4.4,baz=238,slow=4.2,SNR=16				
YKA	comp=Z,0.1nm,0.4s,baz=236,slow=6.7,SNR=3.3				
YKA	comp=Z,0.4nm,0.6s,baz=251,slow=1.0,SNR=8.0				
YKA	comp=Z,1.6nm,0.8s,baz=41,slow=2.7,SNR=20				
YKA	<b>Yellowknife Ar</b> 98.39 24	PP	PP	18 49 38.9	-1.2
YKA	comp=Z,1.0nm,0.8s,mb4.4,baz=238,slow=4.2,SNR=16				
YKA	comp=Z,0.1nm,0.4s,baz=236,slow=6.7,SNR=3.3				
YKA	comp=Z,0.4nm,0.6s,baz=251,slow=1.0,SNR=8.0				
YKA	comp=Z,1.6nm,0.8s,baz=41,slow=2.7,SNR=20				
YKA	<b>Yellowknife Ar</b> 98.39 24	PP	PP	18 49 38.9	-1.2
YKA	comp=Z,1.0nm,0.8s,mb4.4,baz=238,slow=4.2,SNR=16				
YKA	comp=Z,0.1nm,0.4s,baz=236,slow=6.7,SNR=3.3				
YKA	comp=Z,0.4nm,0.6s,baz=251,slow=1.0,SNR=8.0				
YKA	comp=Z,1.6nm,0.8s,baz=41,slow=2.7,SNR=20				
YKA	<b>Yellowknife Ar</b> 98.39 24	PP	PP	18 49 38.9	-1.2
YKA	comp=Z,1.0nm,0.8s,mb4.4,baz=238,slow=4.2,SNR=16				
YKA	comp=Z,0.1nm,0.4s,baz=236,slow=6.7,SNR=3.3				
YKA	comp=Z,0.4nm,0.6s,baz=251,slow=1.0,SNR=8.0				
YKA	comp=Z,1.6nm,0.8s,baz=41,slow=2.7,SNR=20				
YKA	<b>Yellowknife Ar</b> 98.39 24	PP	PP	18 49 38.9	-1.2
YKA	comp=Z,1.0nm,0.8s,mb4.4,baz=238,slow=4.2,SNR=16				
YKA	comp=Z,0.1nm,0.4s,baz=236,slow=6.7,SNR=3.3				
YKA	comp=Z,0.4nm,0.6s,baz=251,slow=1.0,SNR=8.0				
YKA	comp=Z,1.6nm,0.8s,baz=41,slow=2.7,SNR=20				
YKA	<b>Yellowknife Ar</b> 98.39 24	PP	PP	18 49 38.9	-1.2
YKA	comp=Z,1.0nm,0.8s,mb4.4,baz=238,slow=4.2,SNR=16				
YKA	comp=Z,0.1nm,0.4s,baz=236,slow=6.7,SNR=3.3				
YKA	comp=Z,0.4nm,0.6s,baz=251,slow=1.0,SNR=8.0				
YKA	comp=Z,1.6nm,0.8s,baz=41,slow=2.7,SNR=20				
YKA	<b>Yellowknife Ar</b> 98.39 24	PP	PP	18 49 38.9	-1.2
YKA	comp=Z,1.0nm,0.8s,mb4.4,baz=238,slow=4.2,SNR=16				
YKA	comp=Z,0.1nm,0.4s,baz=236,slow=6.7,SNR=3.3				
YKA	comp=Z,0.4nm,0.6s,baz=251,slow=1.0,SNR=8.0				
YKA	comp=Z,1.6nm,0.8s,baz=41,slow=2.7,SNR=20				
YKA	<b>Yellowknife Ar</b> 98.39 24	PP	PP	18 49 38.9	-1.2
YKA	comp=Z,1.0nm,0.8s,mb4.4,baz=238,slow=4.2,SNR=16				
YKA	comp=Z,0.1nm,0.4s,baz=236,slow=6.7,SNR=3.3				
YKA	comp=Z,0.4nm,0.6s,baz=251,slow=1.0,SNR=8.0				
YKA	comp=Z,1.6nm,0.8s,baz=41,slow=2.7,SNR=20				
YKA	<b>Yellowknife Ar</b> 98.39 24	PP	PP	18 49 38.9	-1.2

















Table with columns: Call sign, Frequency, Power, Mode, and other technical details. Includes stations like ULN, SONM, GKN, KOLN, ASAR, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, and other technical details. Includes stations like YKA, YKVA, YKVA, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details. Includes stations like KHC, ESDC, FINEF, etc.







Table with columns: MRW, SNZO, MWZ, PAWZ, HSWZ, NWZ, TUWZ, QRZ, BSWZ. Includes station names like Makara Radio, Suiko Karori, Matawai, etc.

1.2nm,0.9s,mb3.8,baz=100,slow=5.5,SNR=3.8
GERES GRESs Array B 78.46 318 P P 03 50 41.9 +0.1

CASC 16 03:42:34.8.2.1.1.11N:85.92W,h169km,10km,MD3.8,
mb0.4(NEIC)
IDC 16 03:42:34.0.3.0.8.1.1.58N:85.44W,h154km,11km,mb3.3/7,
mb1 3.6/7,mb1mx3.4/19,mb1mx3.7/7, Error ellipse:
s-maj=48.1km s-min=14.8km az=59.0

Table with columns: LPAZ, PCRV, SAML, LVC, LVC, SJO, RPN, SIV. Includes station names like La Paz, Puerto La Cruz, Samuel, etc.

JMA 16 03:35:24.4.0.5,25.47N x 122.67E, h238km, M3.5, Taiwan region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like YONAGUNI JIMA, IRIF, IKRS, etc.

NEIC 16 03:42:34.0.6.1.1.11N:85.45W,h159km,14km,mb3.3/1,
Error ellipse: s-maj=49.6km s-min=14.7km az=57.0

ISC 16 03:42:34.0.6.1.1.11N:85.7W,0.1,h181km,3km,n43,
i1502/53,mb3.5/8,10C-2D,Nicaragua

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like CONN, APON, WLN, etc.

IDC 16 03:37:48.8.1.1.1.35S:70.35W,mb4.1/5,mb1 4.2/6,
mb1mx4.1/13,mb1mx4.0/6,ML3.2/2,MS3.2/3,Ms1 3.2/3,
ms1mx2.7/22, Error ellipse: s-maj=35.6km s-min=15.3km
az=103.0

GUC 16 03:37:50.3.0.8.35.10S:70.45W,h2km,3km,MD3.9,
ML3.6

NEIC 16 03:37:50.3.35.10S:70.45W,h2km,ML3.6(GUC),After
GUC

ISC 16 03:37:48.5.0.5,35.145S:0.03:70.32W,0.4,h2km,n34,
i059/41,mb4.0/4,MS3.2/1,6C-5D,Chile-Argentina
border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like NICH, SFDO, CACH, etc.

JTS 217nm,0.3s,baz=220,slow=19,SNR=20
JTS JuntasAbangare 1.27 147 eP S 03 43 04.0 -0.7

MOMJ Momotombo 1.36 320f eP S 03 43 05.4 -0.1
LEON Leon 1.61 311f eP S 03 43 07.6 -0.3

YKA Yellowknife Arr 55.12 344 P P 03 51 48.4 -1.3
YKA Yellowknife Arr 55.12 344 P P 03 51 48.4 -1.3

YKA Yellowknife Arr 55.12 344 P P 03 51 48.4 -1.3
YKA Yellowknife Arr 55.12 344 P P 03 51 48.4 -1.3

YKA Yellowknife Arr 55.12 344 P P 03 51 48.4 -1.3
YKA Yellowknife Arr 55.12 344 P P 03 51 48.4 -1.3

YKA Yellowknife Arr 55.12 344 P P 03 51 48.4 -1.3
YKA Yellowknife Arr 55.12 344 P P 03 51 48.4 -1.3

YKA Yellowknife Arr 55.12 344 P P 03 51 48.4 -1.3
YKA Yellowknife Arr 55.12 344 P P 03 51 48.4 -1.3

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YKA Yellowknife Arr 55.12 344 P P 03 51 48.4 -1.3
YKA Yellowknife Arr 55.12 344 P P 03 51 48.4 -1.3

ISC 16 03:38:42.0.8.6.4N:0.1.93.5E:0.2,h30km,n13,
i0561/13,mb3.9/10,Nicarobar Islands region

CMAR Chiang Mai Arr 13.10 24 P P 03 41 48.2 -0.6
FITZ Fitzroy Crossi 40.02 128 P P 03 46 16.0 -0.3

SOM Songoing Array 42.73 116 P P 03 46 38.7 +0.6
ZAL Zalesovo 47.89 353 P P 03 47 20.6 +1.3

WRA Warramunga Arr 49.42 124 P P 03 47 20.3 -0.2
WRAB Tennant Creek 47.99 124 eP P 03 47 20.3 -0.3

WRA Warramunga Arr 49.42 124 P P 03 47 20.3 -0.2
WRA Warramunga Arr 49.42 124 P P 03 47 20.3 -0.2

WRA Warramunga Arr 49.42 124 P P 03 47 20.3 -0.2
WRA Warramunga Arr 49.42 124 P P 03 47 20.3 -0.2

WRA Warramunga Arr 49.42 124 P P 03 47 20.3 -0.2
WRA Warramunga Arr 49.42 124 P P 03 47 20.3 -0.2

WRA Warramunga Arr 49.42 124 P P 03 47 20.3 -0.2
WRA Warramunga Arr 49.42 124 P P 03 47 20.3 -0.2

WRA Warramunga Arr 49.42 124 P P 03 47 20.3 -0.2
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WRA Warramunga Arr 49.42 124 P P 03 47 20.3 -0.2
WRA Warramunga Arr 49.42 124 P P 03 47 20.3 -0.2

WRA Warramunga Arr 49.42 124 P P 03 47 20.3 -0.2
WRA Warramunga Arr 49.42 124 P P 03 47 20.3 -0.2















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Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes stations like Alice Springs, Chiang Mai Arr, Warrungarra Arr, etc.

BUI 16 08:28:23.8, 18.88N, 148.57E, h26km, mb5.0, mb4.7, Ms4.5, Msz4.4
IDC 16 08:28:23.8, 0.6, 19.00N, 148.28E, mb4.2/15, m1.4/4.1/8, mb1mx4.3/24, mbmp4.3/18, ML4.1/3, MS3.6/1, Ms1.3/6.1, ms1mx2.5/25, Error ellipse: s-maj=19.2km s-min=15.0km az=107.0

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes stations like Sarigan, Anatahan, Guam, etc.

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes stations like Matushiro, Mat, Jow, etc.

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes stations like Beijing, Bji, etc.

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes stations like Warrungarra Arr, Wra, etc.

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes stations like Lanzhou, Lzh, etc.

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes stations like Fitzroy Crossi, Fitz, etc.

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes stations like Ulanbaatar, Ulun, etc.

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes stations like WMO, ZAL, etc.

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes stations like ARU, YKA, etc.

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Table with columns: CFAA, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes Coronel Fontan, Coronel Fontan, San Ignacio, etc.

IDC 16 08:35:30.3, 1.4, 2.60N, 95.43E, h20km, mb4.0/7, mb1.4/2.8, mb1mx3.9/19, mbmt4.2/8, ML4.1/1, Error ellipse: s-maj=55.3km s-min=17.0km az=57.0
NEIC 16 08:35:30.2, 0.7, 2.57N, 95.46E, mb4.3/5, Error ellipse: s-maj=16.8km s-min=8.7km az=64.0

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes KULM, KKTk, etc.

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes CMAR, CHG, etc.

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes JIRN, GUN, etc.

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes KKN, GKN, etc.

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes KOLN, ENH, etc.

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes XAN, FITZ, etc.

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes FITZ, KAKA, etc.

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes BJI, BJI, etc.

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes WRA, WB2, etc.

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Table with columns: CMAR, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes Nan, Chiang Mai, etc.

Table with columns: PALK, QIZ, etc. Includes stations like Pallekele, Qiongzhong, etc.

Table with columns: QIZ, QIZ, etc. Includes stations like Qiongzhong, Trid, etc.

Table with columns: QIZ, QIZ, etc. Includes stations like Trid, Vishakhapatnam, etc.

Table with columns: QIZ, QIZ, etc. Includes stations like BWNR, BWNR, etc.

Table with columns: QIZ, QIZ, etc. Includes stations like BWNR, KMI, etc.

Table with columns: QIZ, QIZ, etc. Includes stations like KMI, KMI, etc.

Table with columns: QIZ, QIZ, etc. Includes stations like KMI, KMI, etc.

Table with columns: QIZ, QIZ, etc. Includes stations like KMI, KMI, etc.

Table with columns: QIZ, QIZ, etc. Includes stations like KMI, KMI, etc.

Table with columns: QIZ, QIZ, etc. Includes stations like KMI, KMI, etc.

DJA 16 08:42:51.2, 3.7, 2.26S, 98.45E, h33km, mb5.5/3, Error ellipse: s-maj=108.6km s-min=10.8km az=84.0
BUI 16 08:43:05.5, 2.22S, 100.03E, h50km, mb5.2, mb5.0, Ms5.2, Msz5.0
MOS 16 08:43:06.6, 0.8, 1.71S, 100.03E, h33km, mb5.7/38, Ms4.7/15, Error ellipse: s-maj=9.7km s-min=5.0km

HRVD 16 08:43:07.8, 0.3, 1.79S, 99.72E, h13km, km, MW5.0/62, Centroid moment Tensor Solution. LP body waves: s31, c50, Mantle waves: s62, c105; Half duration: 0 Moment tensor: Scale 10^16Nm; M2.36t.20; Mw:4.86t.14; Mw:2.50t.18; Mw:0.95t.30; Mw:0.59t.13; Mw:0.80t.42; Best double couple: Mw:4.195t.10.6l NP1: o=312, o55, l151. NP2: o=60, o66, l38. Principal axes: T 3.375, Plg43, Azm280; N 1.639, Plg46, Azm87; P 5.015, Plg7, Azm184; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s.

NEIC 16 08:43:07.8, 0.1, 1.77S, 99.94E, mb5.4/67, MS4.8/8, Error ellipse: s-maj=4.3km s-min=2.8km az=38.0
NEIC Felt, [II] at Padang and Pariaman; [I] at Pandangpanjang, Sumatra.
IDC 16 08:43:08.1, 0.3, 1.71S, 100.02E, h31km, mb4.7/30, mb1.4/3.0, mb1mx4.8/31, mbmp4.9/30, MS4.4/15, Ms1.4.5/15, ms1mx4.3/25, Error ellipse: s-maj=11.9km s-min=6.8km az=46.0

CSEM 16 08:43:11.5, 0.73S, 100.01E, h33km, mb5.7
ISC 16 08:43:06.2, 0.2, 1.77S, 0.03, 99.99E, 0.03, h31km, h31km, 4km, pp-P, n403, o93/372, mb5.3/119, MS4.7/46, 95C-22, Southern Sumatara

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes PPI, KGM, etc.

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes QIZ, QIZ, etc.

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes QIZ, QIZ, etc.

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes QIZ, QIZ, etc.

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes QIZ, QIZ, etc.

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes QIZ, QIZ, etc.

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes QIZ, QIZ, etc.

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes QIZ, QIZ, etc.

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes QIZ, QIZ, etc.

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes QIZ, QIZ, etc.

Table with columns: Code, Station Name, s-maj, s-min, s-az, Phase ID, Time Res, Res. Includes QIZ, QIZ, etc.

NWAO	comp=Z,546nm,18.4s,MS4.3,baz=333,slow=35	LR	LR	09 03 27.6					
NWAO	Narrogin (SRO) 34.97 154 eP	P	P	08 49 58.2 +0.3					
LGTI	Lohaghat 36.34 330 eP	P	P	08 50 09.7 +0.2					
PTH	Pithoragarh 36.44 330 eP	P	P	08 50 09.0 -1.3					
XAN	Xi'an 36.60 12 P	S	S	08 50 10.3 -1.4					
XAN		P	P	08 55 54.1 +2.3					
XAN	comp=Z,42nm,1.0s,mb5.2	LR	LR						
XAN	comp=N,2um,12.9s	LR	LR						
XAN	comp=Z,3um,13.1s,MS5.3	LR	LR						
AJM	Ajmer 37.25 321 i/P	P	P	08 50 12.0 -5.2					
NDI	New Delhi 37.33 326 eP	P	P	08 50 16.0 -1.9					
LZH	Lanzhou 37.83 5 i/P	P	P	08 50 22.5 +0.5					
LZH		pP	pP	08 50 32.3 +1.1					
LZH		XP	XP	08 50 36.5 +1.5					
LZH		PP	PP	08 51 51.8 +0.1					
LZH		PCP	PCP	08 52 38.0 -0.6					
LZH		eS	eS	08 56 12.5 +1.8					
LZH		SS	SS	08 58 49.6 +2.6					
LZH		SCS	SCS	09 00 30.0 0.0					
LZH	comp=Z,49nm,1.5s,mb5.0	AMB	AMB						
LZH	comp=Z,248nm,6.1s	AMB	AMB						
LZH	comp=N,2um,13.2s	LR	LR						
LZH	comp=Z,2um,17.3s,MS4.9	LR	LR						
LZH	Lanzhou 37.83 5 i/P	P	P	08 50 22.5 +0.5					
LZH		*PP	*PP	08 50 32.3 +1.1					
LZH		*SP	*SP	08 51 51.7 +0.1					
LZH		eS	eS	08 56 12.5 +1.8					
LZH		*SS	*SS	08 56 28.5					
LZH		SS	SS	08 58 49.6 +2.6					
LZH		SCS	SCS	09 00 30.0 0.0					
LZH	comp=Z,49nm,1.5s,mb5.0	pmax	pmax						
LZH	comp=Z,2um,17.3s,MS4.9	MLR	MLR						
LZH	comp=Z,49nm,1.5s,mb5.0	5 i/P	5 i/P	08 50 22.5 +0.5					
LZH		pP	pP	08 50 32.3 +1.1					
LZH		sP	sP	08 50 36.5 +1.5					
LZH		PP	PP	08 51 51.7 +0.1					
LZH		PcP	PcP	08 52 38.0 -0.6					
LZH		eS	eS	08 56 12.5 +1.8					
LZH		sS	sS	08 56 28.5					
LZH		SS	SS	08 58 49.6 +2.6					
LZH		ScS	ScS	09 00 30.0 0.0					
LZH		LR	LR						
NJ2	Nanjing 38.09 26 eP	P	P	08 50 25.1 +0.8					
NJ2		AP	AP	08 50 34.9 +1.5					
NJ2		XP	XP	08 50 38.8 +1.5					
NJ2		PP	PP	08 51 55.4 +0.5					
NJ2		X	X	08 56 13.0 -2.1					
NJ2		SS	SS	08 56 37.0					
NJ2		AMB	AMB	08 56 37.0					
NJ2	comp=Z,40nm,0.8s,mb5.2	AMB	AMB						
NJ2	comp=Z,190nm,6.1s	LR	LR						
NJ2	comp=N,2um,27.7s,MS4.8	LR	LR						
NJ2	comp=E,530nm,25.4s,MS4.8	LR	LR						
NJ2	comp=Z,290nm,20.3s	LR	LR						
WRA	Warramunga Arr 38.12 121 P	P	P	08 50 24.6 0.0					
WRA		*PP	*PP	08 50 33.3 -0.4					
WRA		PP	PP	08 51 51.7 +0.1					
WRA	Warramunga Arr 38.12 121 P	P	P	08 50 24.6 0.0					
WRA	comp=Z,9.9nm,0.5s,mb4.8,baz=303,slow=9.0,SNR=173	pP	pP	08 50 33.3 -0.4					
WRA	comp=Z,44nm,0.8s,baz=298,slow=9.4,SNR=39	pP	pP	08 52 50.6					
WRA	comp=Z,10nm,0.7s,baz=315,slow=2.5,SNR=9.7	S	S	08 56 13.0 -2.1					
WRA	comp=Z,5.8nm,1.1s,baz=295,slow=16,SNR=5.1	S	S	08 50 24.6 0.0					
WRA	Warramunga Arr 38.12 121 P	P	P	08 50 33.3 -0.4					
WRA		pP	pP	08 52 50.6					
WRA		PcP	PcP	08 56 13.0 -2.1					
WRA		S	S	08 56 13.0 -2.1					
WRAB	Tennant Creek 38.12 121 i/P	P	P	08 50 23.7 -0.9					
WRAB	Tennant Creek 38.12 121 eP	P	P	08 50 24.0 -0.6					
WRAB	comp=Z,39nm,0.7s,mb5.5	P	P	08 50 24.7 +0.1					
WB2	Warramunga Arr 38.13 121 i/P	P	P	08 50 35.1 +1.3					
WB2		ePcP	ePcP	08 52 50.6 +1.1					
WB2		eS	eS	08 56 13.6 -1.7					
WB2		ePcS	ePcS	08 56 13.6 -1.7					
SSE	Sheshan 38.40 30 eP	P	P	08 50 25.4 -1.5					
SSE		S	S	08 56 19.8 +0.5					
SSE		SCS	SCS	09 00 30.3 -3.1					
SSE	comp=Z,39nm,0.7s,mb5.2	AMB	AMB						
SSE	comp=Z,40nm,6.6s	AMB	AMB						
SSE	comp=N,751nm,14.3s,MS4.9	LR	LR						
SSE	comp=E,985nm,14.4s,MS4.9	LR	LR						
SSE	comp=Z,2um,13.3s,MS5.0	LR	LR						
SSE	Sheshan 38.40 30 eP	P	P	08 50 25.4 -1.5					
SSE	comp=Z,39nm,0.7s,mb5.2	pP	pP	08 50 34.5 -1.5					
SSE		sP	sP	08 50 37.7 -2.2					
SSE		S	S	08 56 19.8 +0.5					
SSE		SS	SS	08 56 37.3					
SSE		SS	SS	08 59 13.7 +1.4					
SSE		ScS	ScS	09 00 30.2 -3.2					
SSE		LR	LR						
FORT	Forrest 39.22 140 eP	P	P	08 50 43.6 +1.0					
ASP	Alice Springs 39.39 126 eP	P	P	08 50 35.8 +0.6					
ASP		pP	pP	08 50 43.6 -0.8					
ASP		ePcP	ePcP	08 52 54.9 +1.1					
ASP		eS	eS	08 56 33.3 -1.1					
ASP	Alice Springs 39.39 126 eP	P	P	08 50 35.8 +0.6					
ASP		pP	pP	08 50 43.6 -0.8					
ASP		eS	eS	08 56 33.3 -1.1					
ASAR	Alice Springs 39.39 126 P	P	P	08 50 35.8 +0.5					
ASAR	comp=Z,9.9nm,0.7s,mb4.7,baz=301,slow=7.9,SNR=140	LR	LR						
ASAR	comp=Z,90nm,0.8s,baz=297,slow=7.8,SNR=49	PcP	PcP	08 50 44.0 -0.4					
ASAR	comp=Z,7.3nm,0.9s,baz=288,slow=2.9,SNR=5.0	PcP	PcP	08 52 44.5 +0.9					
ASAR	comp=Z,25nm,0.7s,baz=301,slow=2.5,SNR=13	S	S	08 52 54.3					
ASAR	comp=Z,3.5nm,1.0s,baz=300,slow=16,SNR=6.0	S	S	08 56 33.0 -1.4					
ASAR	comp=Z,285nm,19.7s,MS4.1,baz=294,slow=37	LR	LR	09 07 36.8					
ASAR	Alice Springs 39.39 126 P	P	P	08 50 35.8 +0.5					
ASAR		pP	pP	08 50 44.0 -0.4					
ASAR		PcP	PcP	08 52 44.5 +0.9					
ASAR		pPcP	pPcP	08 52 54.3					
ASAR		S	S	08 52 54.3					
ASAR		LR	LR	08 50 36.8					
JOW	Kunigami 39.40 42 eP	P	P	08 50 35.8 +0.6					
SDNR	Sundarnagar 39.66 328 eP	P	P	08 50 37.0 -0.3					
BHK	Bhakra 39.89 328 eP	P	P	08 50 38.5					
PONG	Pong 40.55 328 eP	P	P	08 50 44.0 -0.7					
GTA	Gaotai 40.98 360 P	P	P	08 50 48.5 +0.4					
GTA		AP	AP	08 50 58.3 +1.0					
GTA		XP	XP	08 51 02.5 +1.4					
GTA		PP	PP	08 52 27.5 +2.2					
GTA		PCP	PCP	08 52 48.3 -0.2					
GTA		PPP	PPP	08 52 57.3 +1.9					
GTA		SCP	SCP	08 56 34.5					
GTA		PcS	PcS	08 56 37.8					
GTA		S	S	08 56 59.4 +1.5					
GTA		ScS	ScS	08 59 56.9 +0.9					
GTA		ScS	ScS	09 00 49.3 +1.0					
GTA		AMB	AMB						

GTA	comp=Z,11nm,1.0s,mb4.4	AMB	AMB						
GTA	comp=Z,116nm,9.9s	LR	LR						
GTA	comp=N,1um,14.8s,MS5.0	LR	LR						
GTA	comp=E,1um,16.4s,MS5.0	LR	LR						
GTA	comp=Z,1um,14.1s,MS5.0	LR	LR						
THN	Thein Dam 41.05 328 eP	P	P	08 50 47.2 -1.5					
BTO	Baotou 41.16 11 eP	P	P	08 51 05.4 -0.5					
BTO		AMB	AMB						
HHC	comp=Z,9.0nm,0.4s,mb4.8	eP	P	08 51 10.3 -0.1					
HHC		AP	pP	08 51 20.4 +0.8					
HHC		XP	sP	08 51 24.4 +1.0					
HHC		PP	PP	08 52 54.4 +0.5					
HHC		SCP	SCP	08 56 43.8					
HHC		PcS	PcS	08 56 48.3					
HHC		S	S	08 57 38.3 +0.3					
HHC		SS	SS	09 00 51.3 +5.0					
HHC		ScS	ScS	09 01 07.1 +2.1					
HHC		AMB	AMB						
HHC	comp=Z,20nm,1.1s,mb4.8	AMB	AMB						
HHC	comp=Z,130nm,4.3s	LR	LR						
HHC	comp=N,2um,13.2s,MS5.1	LR	LR						
HHC	comp=E,893nm,14.2s,MS5.1	LR	LR						
HHC	comp=Z,1um,13.8s,MS5.0	LR	LR						
BJT	Baijiatuu 44.15 18 eP	P	P	08 51 13.5 -0.5					
BJT		pmax	pmax						
BJT	comp=Z,77nm,1.0s	eP	P	08 51 13.5 -0.5					
BJT	Baijiatuu 44.15 18 eP	P	P	08 51 13.5 -0.5					
BJT	comp=Z,76nm,1.0s,mb5.4	eP	P	08 51 34.0 +0.3					
KSH	Kashi 46.62 334 eP	P	P	08 51 43.0 +0.1					
KSH		eAP	pP	08 53 08.4 +0.6					
KSH		ePcP	PcP	08 53 23.3 +0.3					
KSH		ePP	PP	08 56 57.0					
KSH		eSCS	ePcS	08 57 01.1					
KSH		eS	S	08 58 19.5 -0.4					
KSH		eSCS	ScS	09 01 23.0 -0.6					
KSH		SS	SS	09 01 38.0 -0.6					
KSH		LR	LR						
KSH	comp=N,450nm,9.6s	LR	LR						
WMQ	Urumqi 46.71 348 i/P	P	P	08 51 35.3 +1.0					
WMQ		AP	pP	08 51 43.8 +0.3					
WMQ		PcP	PcP	08 53 09.4 +1.5					
WMQ		PP	PP	08 53 24.8 +1.0					
WMQ		PP	PP	08 54 10.3 +0.4					
WMQ		S	S	08 58 21.4 +0.3					
WMQ		LR	LR						
WMQ	comp=N,635nm,15.6s,MS4.8	LR	LR						
WM									

Table with columns for station call letters, frequency, and various signal quality metrics (e.g., SVE, SVE, SVE, etc.). Includes stations like ARU, ZEI, ONI, YAK, etc.

Table with columns for station call letters, frequency, and various signal quality metrics. Includes stations like OBN, TIR, BKZ, CFR, etc.

Table with columns for station call letters, frequency, and various signal quality metrics. Includes stations like BRG, GEC2, GEC2, GERES, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like LASA Array, Snow King Mtn, Boulder Array, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like CLL Collm, Ostrava-Krasne, Vranov, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like ASAR Alice Springs, ZAL Zalesovo, STKA Stephens Creek, etc.

GUC 16 08:46:22.0 ± 0.8, 21.90S-68.61W, h137km, gkm, ML3.5, 2C-1D, Chile-Bolivia border region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like LVC Limon Verde, SPCH San Pedro de A, ANCH Antofagasta, etc.

MOS 16 08:51:32.2 ± 0.4, 51.65N-16.10E, h12km, mb4.0/1, Error ellipse: s-maj=12.0km s-min=6.7km az=82.0, IPEC 16 08:51:32.9 ± 0.1, 51.57N-16.15E, ML2.4/4, Error ellipse: s-maj=1.8km s-min=1.3km az=19.0, NEIC 16 08:51:33.1 ± 0.5, 51.57N-16.15E, h5km, ML3.2(VIE), ML3.1(SZGRF), ML2.8(BRG), Error ellipse: s-maj=6.4km s-min=5.2km az=27.0, PRU 16 08:51:34.5 ± 0.1, 48N-16.06E, Felt In Harrachov, IDC 16 08:51:34.5 ± 0.8, 51.45N-16.06E, mb1 3.2/5, mb1mx3.2/2.1, mbtmp3.2/2.3, 1/3, Error ellipse: s-maj=14.0km s-min=7.9km az=109.0, BGR 16 08:51:35.2 ± 0.7, 51.46N-16.05E, h1km, ML3.1/9, Error ellipse: s-maj=7.8km s-min=6.7km az=159.0, CSEM 16 08:51:35.0 ± 0.2, 51.46N-16.08E, h0km, ML3.5/5, Error ellipse: s-maj=3.1km s-min=1.7km az=7.0, WAR 16 08:51:34.9 ± 0.1, 51.46N-16.11E, h1km, ML3.0, 3C-2D, Mining Induced, Poland

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like KSP Ksiaz, BGR Berggiesshubel, RUE Ruedersdorf, etc.

IDC 16 09:13:45.1 ± 3.8, 2.98N-95.62E, mb3.8/3, mb1 4.0/4, mb1mx3.6/1.9, mbtmp3.8/4, ML3.8/1, Error ellipse: s-maj=127.2km s-min=29.3km az=64.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like AKASG Malin Array B, ARSA Arzberg, CRVS Cervenica-Dubn, etc.

IDC 16 09:13:49.9 ± 1.5, 3.1N-0.2, 96.0E-0.3, h33km, m10, -083/10, mb4.3/6, Off west coast of northern Sumatara

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like CMAR Chiang Mai Arr, JIRN Jiri, PKI Pulchoki, etc.

JMA 16 09:28:32.0 ± 0.2, 22.15N-121.73E, h56km, M3.6, TAP 16 09:28:31.0 ± 0.2, 22.23N-121.38E, h16km, 1km, ML3.8, 6C, Taiwan region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like LAY Lan-yu, TAW Tawu, EAST Anshuo, etc.

NEIC 16 09:32:34.8 ± 0.2, 0.7, 30S-129.15E, h120km, 21km, mb4.7/3, Error ellipse: s-maj=21.5km s-min=14.8km az=62.0

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







Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like ERTA, BGF, CFR, MOX, BRG, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like ELUO, EADA, EADA, SGMF, QUIF, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like BANOM, ASHO, ARQ, BVAR, SMDO, RBK, AAK, etc.

BUI 16 11:40:38.7, 1.54N:97.25E, h28km, mB4.9, mb5.2, Ms4.8, Msz4.7

IDC 16 11:40:40.2, 0.5, 1.67N:97.05E, h23km, 3km, mb4.5/15, mb1.4/7.16, mb1mx4.5/20, mbtmp4.7/16, ML4.6/1, MS4.1/6, Ms1.4/1.6, ms1mx3.7/37, Error ellipse: s-maj=21.4km

MOS 16 11:40:40.3, 1.0, 1.69N:97.16E, h33km, mb5.2/31, Error ellipse: s-maj=10.9km s-min=6.5km az=105.2

NEIC 16 11:40:40.9, 0.3, 1.64N:97.11E, mB4.9/36, Error ellipse: s-maj=7.0km s-min=5.1km az=211.0

ISC 16 11:40:39.4, 0.3, 1.63N:100.04, 97.15E, 0.04, h28km, h28km, 7km; p-P, n180, 0.597/185, mb5.0/73, MS4.4/21, 18C-6D, Northern Sumatera

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







16d 14h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like Capacho, El Vigia, El Rosal, etc.

STR 16 13:04:35.8.0.4, 47.02N.0.24W, h5km, 1km, MI3.0, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

NEIC 16 13:04:35.5.0.1, 47.01N.0.06W, h3km, ML3.0(LDG), ML2.8(STR), After LDG.

CSEM 16 13:04:35.7.0.1, 47.01N.0.05W, h5km, ML3.1/24, Error ellipse: s-maj=1.9km s-min=1.8km az=35.0

LDG 16 13:04:35.5.0.1, 47.01N.0.06W, h3km, MD3.0/3, MI3.0/28, Error ellipse: s-maj=1.6km s-min=1.5km az=145.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like Saint Martin d, La Chataignera, etc.

2005 APR

Table with columns: HIN, F, CDF, Time, Res, ISC. Rows include Hinterfeld, Champ du Feu.

NEIC 16 13:27:38.8, 15.68N-98.78W, h10km, MD3.9(MEX), After MEX.

MEX 16 13:27:39.4.0.5, 15.70N-98.72W, h17km, 32km, MD3.9, 2C, Off coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include Pinotepa, Acapulco, Vista Hermosa, etc.

IDC 16 13:29:04.5.6.7, 5.92S-147.09E, h216km, 33km, mb3.5/4, s-maj=76.3km s-min=47.6km az=43.0, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include Port Moresby, Warrungarra Arr, etc.

IDC 16 13:32:31.6.8.5, 22S-151.46E, h125km, 45km, mb3.5/4, s-maj=98.4km s-min=32.2km az=107.0, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include Port Moresby, Warrungarra Arr, etc.

DJA 16 13:34:34.9.0.9, 9.961S-116.17E, h33km, MD4.5/1, ML4.0/2, 3C, Error ellipse: s-maj=22.1km s-min=12.2km az=155.0, Sumbawa region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include Rata, Kedondong, etc.

IDC 16 13:37:12.4.0.8, 1.63S-99.56E, h28km, 4km, mb4.2/12, mb1.4, 3/12, mb1mx4.0/20, mbtmp4.4/12, ML3.8/1, Error ellipse: s-maj=24.8km s-min=12.4km az=58.0

NEIC 16 13:37:12.6.0.4, 1.66S-99.59E, mb4.4/7, Error ellipse: s-maj=15.4km s-min=7.3km az=66.0

ISC 16 13:37:11.0.0.5, 1.59S-100.07-99.7E, 0.1, h30km, h30km, 8km: pp-P, n31, e093/28, mb4.4/17, Southern Sumatara

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include Kulim, Chiang Mai Arr, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include BOSA, Boshof, etc.

IDC 16 14:07:49.9.0.6, 13.81S-63.58E, mb4.3/14, mb1.4, 5/15, mb1mx4.3/19, mbtmp4.3/15, ML4.6/1, Error ellipse: s-maj=22.6km s-min=14.9km az=4.0

BUI 16 14:07:51.1, 13.70S-63.50E, h30km, mb5.0, mb4.3, NEIC 16 14:07:51.1, 0.4, 13.73S-63.54E, h10km, mb4.6/12, Error ellipse: s-maj=12.7km s-min=8.5km az=181.0

ISC 16 14:07:49.2.0.4, 13.76S-0.09-63.57E, 0.06, h10km, n45, e1504/11, mb4.4/27, 1C, South Indian Ocean

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include Mahe Island, Ambohidratompo, etc.

IDC 16 14:18:16.4.3.7, 6.01S-147.79E, h52km, 31km, mb3.7/3, mb1.3, 8/5, mb1mx3.5/15, mbtmp3.8/5, ML3.3/2, Error ellipse: s-maj=57.4km s-min=24.7km az=101.0, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include Port Moresby, Warrungarra Arr, etc.

BUI 16 14:22:52.7, 2.17N-96.35E, h30km, mb4.9, mb4.7, Ms4.4, Ms2.3

IDC 16 14:22:54.6.0.6, 2.35N-96.22E, h24km, 3km, mb4.0/16, mb1.4, 2/17, mb1mx4.1/23, mbtmp4.2/17, ML4.2/1, Ms4.1/4, Ms1.4, 2/4, ms1mx3.7/27, Error ellipse: s-maj=24.1km s-min=9.8km az=48.0

MOS 16 14:22:54.0.0.9, 2.29N-96.24E, h33km, mb4.9/14, Error ellipse: s-maj=14.0km s-min=8.4km az=99.9

NEIC 16 14:22:54.0.0.4, 2.30N-96.15E, mb4.6/17, Error ellipse: s-maj=10.1km s-min=6.5km az=49.0

ISC 16 14:22:52.6.1.8, 2.25N-102.05E, 0.06, h24km, 12km, h26km, 1.0km: pp-P, n80, e1502/86, mb4.6/49, MS4.2/12,







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

ROM 16 16:35:43.7, 0.2, 46.05N, 7.42E, h12km, Mdd 2/3, M1.9/1, Error ellipse: s-maj=6.4km s-min=2.5km az=176.0

CSEM 16 16:35:43.9, 0.1, 46.02N, 7.47E, h5km, ML2.8/18, Error ellipse: s-maj=1.2km s-min=0.9km az=94.0

ZUR 16 16:35:44.7, 46.10N, 7.44E, h6km, ML2.4/22 NEIC 16 16:35:47.4, 46.10N, 7.40E, h6km, ML2.9(LDG), ML2.8(STR), ML2.4(ZUR), After ZUR.

STR 16 16:35:45.6, 0.4, 46.10N, 7.35E, h10km, 1km, M12.8, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

LDG 16 16:35:45.2, 0.1, 46.06N, 7.44E, h2km, Mdd3.0/3, M12.9/22, Error ellipse: s-maj=2.0km s-min=1.3km az=12.0

ISC 16 16:35:43.8, 0.2, 46.07N, 0.01, 7.35E, h8km, 2km, n103, r130/181, 17C-5D, Switzerland

Code Station Name Az Phase ID Time Res ISC h m s ISC

DIX Grande Dixence 0.04 80 Op P Pg 16 35 46.4 +0.9

DIX GRYON 0.24 316 Op S Pg 16 35 47.4 +0.9

GRYON SALAN Lac Salanfe 0.24 316 Op S Pg 16 35 53.8 +1.5

SALAN Lac Salanfe 0.24 316 Op S Pg 16 35 51.2 +1.7

SALAN SENIN Lac Senin 0.29 353 Op S Pg 16 35 55.4 +2.1

SENIN Lac Senin 0.29 353 Op S Pg 16 35 54.7 +0.7

SENIN Lac Senin 0.29 353 Op S Pg 16 35 53.5 +0.7

EMV Vieux Emosson 0.32 268 Op S Pg 16 35 56.8 +2.2

EMV Vieux Emosson 0.32 268 Op S Pg 16 35 52.0 +1.7

EMV Vieux Emosson 0.32 268 Op S Pg 16 35 56.8 +2.2

LKBD Leukerbad 0.37 311 Op S Pg 16 35 51.2 +0.1

AIGLE Aigle 0.39 314 Op S Pg 16 35 52.8 +1.1

MMK Mattmark 0.43 93 Op S Pg 16 35 52.1 -0.4

MMK Mattmark 0.43 93 Op S Pg 16 35 56.8 -1.4

MMK Mattmark 0.43 93 Op S Pg 16 35 52.1 -0.4

MCGN Macugnaga 0.46 104 Op S Pg 16 35 52.7 -0.4

MCGN Macugnaga 0.46 104 Op S Pg 16 35 58.0 -1.2

OG01 Vacheresse 0.53 299 Op P Pg 16 35 56.2 +1.7

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ERON Agron, ERON Agron, ELOJ Sierra Loja, etc.

WIMIS Wimmis 0.62 177 Op P Pg 16 35 55.1 -0.2

ORX Oropa 0.62 135 Op S Pg 16 35 55.6 -1.1

ORX Oropa 0.62 135 Op S Pg 16 35 55.8 -0.5

ORX Oropa 0.62 135 Op S Pg 16 35 55.8 -1.1

TRAV Trariva 0.62 154 Op S Pg 16 35 55.9 -0.5

TRAV Trariva 0.62 154 Op S Pg 16 35 53.8 -1.0

TRAV Trariva 0.62 154 Op S Pg 16 35 55.9 -0.5

LSD Ceresole Reale 0.63 193 Op P Pg 16 35 56.8 +0.3

LSD Roselend 0.64 233 Op S Pg 16 35 55.5 +0.5

RSL Roselend 0.64 233 Op S Pg 16 35 57.6 +0.9

LPL La Plagne 0.71 218 Op S Pg 16 36 01.1 +0.9

LPL La Plagne 0.71 218 Op S Pg 16 35 58.7 +0.7

LPL La Plagne 0.71 218 Op S Pg 16 36 07.5 0.0

LPG La Plagne 0.71 216 Op S Pg 16 35 58.8 +0.6

LPG La Plagne 0.71 216 Op S Pg 16 36 08.3 +0.6

TORNY Torony 0.75 339 Op P Pg 16 36 00.0 +1.2

HASLI Hasliberg 0.88 399 Op P Pg 16 36 00.4 -0.5

RSP Reno Superiore 0.92 184 Op P Pg 16 36 01.9 +0.2

FUSIO Fusio 0.98 67 Op P Pg 16 36 01.9 -0.8

CABF La Chapelle 1.03 302 Op S Pg 16 36 05.8 +1.4

CABF La Chapelle 1.03 302 Op S Pg 16 36 20.2 +2.0

BRANT Les Verrieres 1.06 325 Op P Pg 16 36 05.8 +1.8

BNAL Bannalp 1.09 421 Op P Pg 16 36 04.4 -0.1

BNI Bardonecchia 1.13 205 Op S Pg 16 36 06.1 -0.3

BNI Bardonecchia 1.13 205 Op S Pg 16 36 22.2 +0.8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MUGIO Muggio, RRL Cesana Torines, etc.

MUGIO Muggio 1.19 97 Op P Pg 16 36 06.1 -0.1

RRL Cesana Torines 1.22 199 Op S Pg 16 36 07.5 +0.7

RRL Cesana Torines 1.22 199 Op S Pg 16 36 23.9 +1.4

RRL Cesana Torines 1.22 199 Op S Pg 16 36 23.2 +0.3

BHB Bricherasio 1.23 183 Op S Pg 16 36 07.3 +0.3

BHB Bricherasio 1.23 183 Op S Pg 16 36 23.2 +0.3

BHB Bricherasio 1.23 183 Op S Pg 16 36 07.3 +0.3

MLO Muothal 1.26 441 Op P Pg 16 36 23.2 +0.3

BALST Balsthal 1.28 10 Op P Pg 16 36 07.5 +0.5

BALST Balsthal 1.28 10 Op P Pg 16 36 08.9 +1.0

OG22 Abries 1.28 193 Op P Pg 16 36 08.5 +1.4

OG05 Jurieux 1.32 269 Op P Pg 16 36 11.2 +1.0

LOMF Lomont 1.33 344 Op P Pg 16 36 10.2 -0.2

LOMF Lomont 1.33 344 Op P Pg 16 36 15.6 +0.5

BBS Basel-Blauen 1.40 4 Op Pg 16 36 11.7 0.0

BBS Basel-Blauen 1.40 4 Op Pg 16 36 30.9 +0.5

MBDF Montbardon 1.41 197 Op S Pg 16 36 10.9 -1.1

MBDF Montbardon 1.41 197 Op S Pg 16 36 29.8 -1.0

SULZ Sultz-Cheische 1.55 201 Op P Pg 16 36 12.4 +0.5

PZZ Prazzo 1.58 187 Op P Pg 16 36 12.3 0.0

PZZ Prazzo 1.58 187 Op P Pg 16 36 12.3 0.0

PLONS Plons 1.71 54 Op P Pg 16 36 15.4 +1.3

WILA Wiila 1.71 38 Op P Pg 16 36 15.2 +0.9

PCC Pian Castagno 1.75 151 Op P Pg 16 36 17.5 +0.4

HINP Hinteralfeld 1.78 349 Op P Pg 16 36 15.6 +0.4

IDC 16:16:36.4, 1.8, 23.08S, 114.77W, mb3.8/3, mb1 4.2/3, mb1mx3.8/16, mbtmp3.8/3, MS3.7/5, Ms1 3.8/5, ms1mx3.5/25, Error ellipse: s-maj=103.6km s-min=52.7km az=103.0, Easter Island region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RPN Rapa Nui, PPT Papeete, CFAA Coronel Fontan, etc.

IDC 16:17:25.2, 4.0, 22.35S, 111.92W, mb3.6/3, mb1 3.9/3, mb1mx3.7/16, mbtmp3.6/3, Error ellipse: s-maj=179.2km s-min=30.6km az=48.0, Easter Island region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CFAA Coronel Fontan, NVAR Mina Array Bea, YKA Yellowknife Arr, etc.

CSEM 16:16:27:06.4, 0.1, 34.82N, 4.14W, h15km, MD3.4, Error ellipse: s-maj=3.3km s-min=2.1km az=101.0

MDD 16:16:27:07.4, 0.5, 34.81N, 4.10W, h4km, 5km, mblg2.0/19, Error ellipse: s-maj=5.5km s-min=3.1km az=110.0, PZKIMO

CNRM 16:16:27:07.5, 34.80N, 4.10W, h1km, MD3.4 NEIC 16:16:27:08.4, 34.89N, 4.06W, MG3.3(MDD), After MDD.

ISC 16:16:27:05.2, 0.3, 34.84N, 0.02, 4.22W, 0.03, h4km, n61, r126/112, Morocco

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TOU Touzarine, MPAL Palemas, YKA Yellowknife Arr, etc.

IDC 16:16:31:10.7, 1.1, 0.10N, 126.37E, mb3.7/5, mb1 3.9/6, mb1mx3.7/18, mbtmp3.7/6, ML3.6/1, Error ellipse: s-maj=99.0km s-min=19.3km az=71.0

NEIC 16:16:31:11.8, 0.7, 1.06N, 126.52E, h10km, mb4.0/2, Error ellipse: s-maj=23.0km s-min=9.9km az=63.0

ISC 16:16:31:13.3, 0.8, 1.0N, 126.5E, 0.2, h33km, n12, r0585/12, mb3.8/7, Northern Molokai Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KAKA Kakadu, KSM Kiching, FITZ Fitzroy Crossi, etc.

NEIC 16:16:31:10.7, 1.1, 0.10N, 126.37E, mb3.7/5, mb1 3.9/6, mb1mx3.7/18, mbtmp3.7/6, ML3.6/1, Error ellipse: s-maj=99.0km s-min=19.3km az=71.0

NEIC 16:16:31:11.8, 0.7, 1.06N, 126.52E, h10km, mb4.0/2, Error ellipse: s-maj=23.0km s-min=9.9km az=63.0

ISC 16:16:31:13.3, 0.8, 1.0N, 126.5E, 0.2, h33km, n12, r0585/12, mb3.8/7, Northern Molokai Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KAKA Kakadu, KSM Kiching, FITZ Fitzroy Crossi, etc.

NEGI Negi 2.24 174 Op P Pg 16 36 22.9 +1.1

NEGI Negi 2.24 174 Op P Pg 16 36 23.5 +0.6

VJVF Saint-Julien-I 2.25 238 Op S Pg 16 36 27.7 -1.0

VJVF Valf 2.25 238 Op S Pg 16 36 56.6 -2.0

CHDF Champ du Feu 2.34 359 Op P Pg 16 36 22.8 -0.4

CHDF Champ du Feu 2.34 359 Op P Pg 16 36 22.8 -1.8

CHDF Champ du Feu 2.34 359 Op P Pg 16 36 50.6 -1.9

CHDF Champ du Feu 2.34 359 Op P Pg 16 36 58.8 -3.0

13nm, 0.3s

16d 16h

Table with columns: Station Name, Code, Time, Res, Phase ID, ISC, H, Time, Res, ISC. Includes stations like WLS, BFO, BFM, SMRF, GRAM, SMF, etc.

BJI 16:38:01.8, 1.58N, 97.74E, h41km, mb6.5, mb5.9, MS6.7, Msz6.6

DJA 16:38:01.2-1.1, 1.72N, 97.19E, h58km, mb6.0/3, Error ellipse: s-maj=26.7km s-min=13.7km az=60.0

MOS 16:38:01.4-1.1, 1.88N, 97.69E, h22km, mb6.3/64, MS6.2/41, Error ellipse: s-maj=7.6km s-min=4.1km az=122.3

HRVD 16:38:03.9-0.1, 1.67N, 97.46E, h34km, MW6.4/86, Centroid moment Tensor Solution. LP body waves: s86,c222; Mantle waves: s77,c328; Half duration: 4s4

Moment tensor: Scale 10^18Nm; M2:0.02; M3:0.13; M4:0.39; M5:0.2; M6:1.85; M7:0.4; Best double couple: M4,2x10^18 Nm; q:344; delta19; lambda29; NP2:310; delta10; lambda90; Principal axes: T:4.188, Plg58; Azm177; N:149, Plg12; Azm127; P:4.333, Plg29; Azm224; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s.

NEIC 16:38:03.9-0.1, 1.81N, 97.66E, h31km, mb6.0/120, ME5.9, MS6.2/18, MW6.3, Error ellipse: s-maj=4.3km s-min=2.6km az=214.0 Broadband fault plane solution: P waves. NP1: delta130; delta80; lambda90; NP2:310; delta10; lambda90; Principal axes: T:Plg55; Azm40; N:Plg0; Azm0; P:Plg35; Azm220; Moment Tensor Solution. s36 Moment tensor: Scale 10^18 Nm; M1:1.74; M2:0.15; M3:1.00; M4:2.42; M5:0.23; M6:1.35; Best double couple: M3,2x10^18 Nm; q:0; delta21; lambda138; NP2:130; delta76; lambda74; Principal axes: T:3.59, Plg56; Azm20; N:-87, Plg15; Azm134; P:-2.73, Plg30; Azm233; Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism.

NEIC Felt [IV] on Nias. Felt [III] at Sibolga and [II] at Medan and Padang, Sumatra. Felt at Padangsidempuran and Sidikalang, Sumatra. Also felt at Georgetown and Kuala Lumpur, Malaysia and in Singapore.

BGS 16:38:04.7, 1.81N, 97.66E, h30km, mb5.9

CRAAG 16:38:04.1, 2.83N, 97.75E, Mb6.1

SVSA 16:38:04.1, 2.80N, 97.70E, h10km, Mb6.1

DHMR 16:38:07.8-2.7, 1.91N, 97.61E, h49km, mb6.4, mb6.4

IDC 16:38:08.3-1.4, 1.76N, 97.79E, h70km, mb1.1km, mb5.3/37, mb1.5/38, mb1mx3.3/38, mbtmp5.6/38, MS6.3/20, Ms1.6/320, ms1mx6.1/22, Error ellipse: s-maj=10.1km s-min=6.3km az=46.0

ISC 16:38:03.4-0.1, 1.85N, 0.02-97.68E, 0.02, h38km, h38km, 4km, pP-P, n999, delta104/895, mb6.0/198, MS6.4/83, 234C-40D, Northern Sumatera

Table with columns: Code, Station Name, Time, Res, Phase ID, ISC, H, Time, Res, ISC. Includes stations like LARI, HUTI, SIMI, MRPI, IPNI, KULM, KNG, SGM, PENI, etc.

2005 APR

Table with columns: Station Name, Code, Time, Res, Phase ID, ISC, H, Time, Res, ISC. Includes stations like KKM, KRK, SRM, SRE, KELI, KLI, TSM, RATI, etc.

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Table with columns: Station Name, Code, Time, Res, Phase ID, ISC, H, Time, Res, ISC. Includes stations like KAD, BUKP, JIRN, PKI, MSLP, GUN, DAV, DMN, LSA, etc.

LZH	ScP		16 51 04.1	BJI			16 46 01.3 +1.3	USP	Ospenovka	46.13 336	P	P	16 46 26.9 +0.8
LZH	SS	SS	16 52 31.2 +2.6	BJI			16 47 25.1	ASHO	Ashiyah	46.14 303	P	P	16 46 27.6 +1.3
LZH	ScS	ScS	16 55 06.5 -0.9	BJI			16 55 48.9	ABTO	Aybut	46.24 292	P	P	16 46 27.8 +0.5
LZH	LR	LR		BJI	comp=Z,438nm,0.9s,mb6.1	pmax	pmax	SOMN	Songino Array	46.43 8	P	P	16 46 29.0 +0.7
SDNR	Sundarnagar	36.39 329	eP	BJI	comp=Z,377um,18.2s,MS6.3	MLR	MLR	SOMN	comp=E,505nm,0.8s,mb5.6,baz=192,slow=8.6,SNR=624		LR	17 08 21.1	
SDNR			16 44 58.4 +0.6	BJI	comp=Z,438nm,0.9s,mb6.1	pP	pP	SOMN	comp=E,90um,18.7s,MS6.8,baz=186,slow=39		PKPKPK	17 17 47.1	
BHK	Bhakar	35.62 328	eS	BJI		pP	pP	BANON	Banah	46.43 305	P	P	16 46 30.3 +1.7
BHK			16 45 04.7 +5.0	BJI		pP	pP	ULN	Ulanbaatar	46.55 9	P	P	16 46 29.8 +0.5
NJ2	Nanjing	36.06 31	eP	BJI		pP	pP	ULN	Ulanbaatar	46.55 9	P	P	16 46 29.7 +0.4
NJ2			16 45 04.0 +0.5	BJI		pP	pP	ULN	comp=Z,366nm,0.8s,mb6.4		9	eP	16 46 29.7 +0.4
NJ2			16 45 16.1 +1.9	BJI		pP	pP	TAS	Tashkent	46.55 331	eP	P	16 46 30.0 -2.1
NJ2			16 45 21.4 +2.4	BJI		pP	pP	TAS	comp=Z,366nm,0.8s,mb6.4		eS	P	16 53 16.0 -3.4
NJ2			16 46 26.8 +0.7	BJI		pP	pP	CN2	Changchun	48.51 27	eP	P	16 46 43.8 -0.9
NJ2			16 50 36.0 -3.3	BJI		pP	pP	CN2	comp=Z,80nm,1.1s,mb5.7		LR	LR	16 46 56.8 +1.2
comp=Z,130nm,0.8s,mb5.9				BJI		pP	pP	CN2	comp=N,66um,16.0s,MS6.8		LR	LR	16 48 10.3 -0.3
comp=Z,5um,9.9s				BJI		pP	pP	CN2	comp=E,40um,16.0s,MS6.8		LR	LR	16 48 35.0 -2.2
comp=N,112um,25.2s,MS6.7				BJI		pP	pP	CN2	comp=Z,79um,16.0s,MS6.8		5	iP	16 46 45.1 -0.1
comp=E,75um,20.2s,MS6.7				BJI		pP	pP	ZAK	Zakamensk	48.59	5	iP	16 53 40.6 -1.5
comp=Z,36um,26.6s				BJI		pP	pP	ZAK	comp=Z,124nm,1.4s,mb5.8		49.46 55	P	16 46 50.8 -1.4
PONG	Pong	36.28 328	eP	BJI		pP	pP	CBJI	Chichi jima	49.46 55	P	P	16 46 53.7 +0.8
PONG			16 45 05.0 -0.3	BJI		pP	pP	SARN	Sarigan	49.53 70	eP	P	16 46 54.4 +0.5
SSE	Sheshan	36.61 35	iP	BJI		pP	pP	MOY	Moody	49.72 3	eP	P	16 46 57.0 +0.8
SSE			16 45 07.8 -0.3	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	16 46 56.0 +0.7
SSE			16 45 16.9 -1.9	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	16 48 14.8
SSE			16 45 20.4 -3.2	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	16 48 46.2
SSE			16 46 31.3 -1.9	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	16 54 01.6 0.0
SSE			16 47 32.3 +1.2	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	16 56 36.8
SSE			16 50 48.8 +1.0	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	16 58 57.0 -3.8
SSE			16 51 04.3	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=Z,169nm,0.9s,mb5.9				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=Z,5um,8.6s				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=N,81um,18.7s,MS6.5				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=E,24um,18.7s,MS6.5				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=Z,97um,17.0s,MS6.7				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=Z,169nm,0.9s,mb5.9				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 45 07.8 -0.3	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 45 16.9 -1.9	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 45 20.4 -3.2	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 46 31.3 -1.9	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 47 32.3 +1.2	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 50 48.8 +1.0	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 51 04.3	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=Z,169nm,0.9s,mb5.9				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=Z,5um,8.6s				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=N,81um,18.7s,MS6.5				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=E,24um,18.7s,MS6.5				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=Z,97um,17.0s,MS6.7				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=Z,169nm,0.9s,mb5.9				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 45 07.8 -0.3	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 45 16.9 -1.9	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 45 20.4 -3.2	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 46 31.3 -1.9	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 47 32.3 +1.2	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 50 48.8 +1.0	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 51 04.3	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=Z,169nm,0.9s,mb5.9				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=Z,5um,8.6s				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=N,81um,18.7s,MS6.5				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=E,24um,18.7s,MS6.5				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=Z,97um,17.0s,MS6.7				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=Z,169nm,0.9s,mb5.9				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 45 07.8 -0.3	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 45 16.9 -1.9	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 45 20.4 -3.2	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 46 31.3 -1.9	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 47 32.3 +1.2	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 50 48.8 +1.0	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 51 04.3	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=Z,169nm,0.9s,mb5.9				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=Z,5um,8.6s				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=N,81um,18.7s,MS6.5				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=E,24um,18.7s,MS6.5				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=Z,97um,17.0s,MS6.7				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=Z,169nm,0.9s,mb5.9				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 45 07.8 -0.3	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 45 16.9 -1.9	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 45 20.4 -3.2	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 46 31.3 -1.9	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 47 32.3 +1.2	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 50 48.8 +1.0	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 51 04.3	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=Z,169nm,0.9s,mb5.9				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=Z,5um,8.6s				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=N,81um,18.7s,MS6.5				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=E,24um,18.7s,MS6.5				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=Z,97um,17.0s,MS6.7				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=Z,169nm,0.9s,mb5.9				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 45 07.8 -0.3	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 45 16.9 -1.9	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 45 20.4 -3.2	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 46 31.3 -1.9	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 47 32.3 +1.2	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 50 48.8 +1.0	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 51 04.3	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=Z,169nm,0.9s,mb5.9				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=Z,5um,8.6s				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=N,81um,18.7s,MS6.5				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=E,24um,18.7s,MS6.5				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=Z,97um,17.0s,MS6.7				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=Z,169nm,0.9s,mb5.9				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 45 07.8 -0.3	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 45 16.9 -1.9	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 45 20.4 -3.2	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 46 31.3 -1.9	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 47 32.3 +1.2	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 50 48.8 +1.0	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
SSE			16 51 04.3	BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=Z,169nm,0.9s,mb5.9				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=Z,5um,8.6s				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=N,81um,18.7s,MS6.5				BJI		pP	pP	MOY	comp=Z,36nm,3.2s		5	eP	
comp=E,24um,18.7s,MS6.5				BJI		pP	pP						





comp=Z,35nm,0.9s,mb5.3,baz=272,slow=5.7,SNR=10					
DZM Mont Dzumac	71.10 114	eP	P	16 49 20.2	-0.1
ELL Elmali	71.17 308	iP	P	16 49 20.1	-0.3
AKAS Kas	71.31 308	iP	P	16 49 19.1	-2.2
HENT Hendek	71.35 313	iP	P	16 49 19.0	-2.4
PET Petrovlovsk	71.43 340	iP	P	16 49 25.8	+0.1
PET				16 52 08.7	
PET				16 58 40.6	+4.6
comp=N,2um,4.9s			pmax	pmax	
PET					
comp=Z,8um,5.6s			pmax	pmax	
PET					
comp=E,3um,5.7s			pmax	pmax	
PET					
comp=Z,6um,11.4s			pmax	pmax	
PET					
comp=Z,3um,16.3s			smax		
PET					
comp=E,4um,26.5s			smax		
PET					
comp=N,48nm,1.4s			MLR	MLR	
PET					
comp=Z,17um,18.0s,MS6.4			MLR	MLR	
PET					
comp=Z,16um,18.0s					
PET	71.43 340	iP	P	16 49 21.4	-0.3
ALT Altintas	71.52 311	iP	P	16 49 21.3	-1.3
GOLH Golhisar	71.55 309	iP	P	16 49 17.8	-4.9
FETY Fethiye	71.80 308	iP	P	16 49 21.7	-2.5
KHL Karahalli	71.81 310	iP	P	16 49 20.0	-4.2
MOS Moscow	72.03 329	iP	P	16 49 24.7	-0.5
MOS				16 49 42.1	
MOS				16 52 05.2	
MOS				16 53 50.6	+1.4
MOS				16 59 39.9	-3.0
MOS				16 59 21.5	
MOS				16 59 21.5	
MOS				17 03 27.0	+5.0
comp=Z,317nm,1.1s,mb6.2			MLR	MLR	
MOS					
comp=Z,18um,21.1s,MS6.3			MLR	MLR	
MOS					
comp=N,13um,20.0s,MS6.3			MLR	MLR	
MOS					
comp=E,10um,19.4s,MS6.3					
DNZL Cakroluk	72.04 309	iP	P	16 49 22.9	-2.7
DENT Denizli	72.07 309	iP	P	16 49 24.2	-1.5
DALT Daryan (Mudla)	72.18 308	iP	P	16 49 25.3	-1.1
HRT Hereke	72.25 312	iP	P	16 49 24.6	-2.2
OBN Obninsk	72.33 328	iP	P	16 49 35.3	-3.1
OBN				16 52 07.2	
OBN				16 53 54.3	+2.1
OBN				16 58 42.3	-4.0
OBN				16 59 21.5	
OBN				16 59 38.0	
OBN				17 03 29.7	+2.9
OBN				17 06 37.4	+1.2
comp=Z,3um,3.4s			pmax	pmax	
OBN					
comp=Z,342nm,1.3s,mb6.1					
OBN	72.33 328	iP	P	16 49 26.1	-0.9
YLV Yalova	72.42 312	iP	P	16 49 26.9	-0.9
TIXI Tiksi	72.47 101	iP	P	16 49 26.0	-1.6
ARG Arkhangelos	72.47 307	iP	P	16 49 30.0	+1.8
ULDR Uludag	72.50 312	iP	P	16 49 27.2	-1.0
YERKES Yerkesik	72.53 308	iP	P	16 49 28.8	+0.2
MANI Manisa	72.58 310	iP	P	16 49 28.2	-0.7
ISK Istanbul-Kandi	72.76 313	iP	P	16 49 28.7	-1.2
MLSB Milas	72.95 308	iP	P	16 49 29.4	-1.8
SEY Seymchan	72.98 23	iP	P	16 49 32.7	+2.0
SEY				16 49 51.4	
SEY				16 52 12.7	
SEY				16 53 55.5	-3.1
SEY				16 59 56.1	+2.5
SEY				16 59 26.1	
SEY				17 06 49.9	+2.8
comp=E,320nm,1.2s			pmax	pmax	
SEY					
comp=Z,420nm,1.2s,mb6.2			pmax	pmax	
SEY					
comp=N,270nm,0.8s			smax		
SEY					
comp=N,10um,9.6s			smax		
SEY					
comp=E,3um,8.1s					
KARP Karpathos	73.12 307	iP	P	16 49 32.0	-0.2
CTT Catalca	73.24 312	iP	P	16 49 31.7	-1.1
BTKP Tokmak	73.25 311	iP	P	16 49 33.1	-0.5
BODT Bodrum	73.28 308	iP	P	16 49 31.1	-1.9
BALB Balikesir	73.33 311	iP	P	16 49 32.1	-1.2
MAW Mawson	73.45 193	iP	P	16 49 33.9	+0.2
comp=E,20nm,0.9s,mb5.1					
MAW				16 49 46.3	+1.5
MAW				16 59 00.2	+1.4
MAW				16 49 33.9	+0.5
comp=E,24nm,0.9s,mb5.2,baz=38,slow=8.2,SNR=21			LR	LR	17 15 30.7
BNT Bandirma	73.45 312	iP	P	16 49 33.2	-0.8
IZM Izmir	73.56 309	iP	P	16 49 34.3	-0.4
BLCB Balcova	73.73 309	iP	P	16 49 35.0	-0.6
MFRM Marmara Adasi	73.74 312	iP	P	16 49 33.2	-2.4
SMG Samos	73.77 309	iP	P	16 49 37.2	+1.3
TLCR	73.89 317	iP	P	16 49 36.3	-0.1
PSN Presentlisi	73.98 315	iP	P	16 49 37.0	0.0
TIRR Tirusor	74.00 316	iP	P	16 49 36.8	-0.2
XRY Xhrisi	74.20 306	iP	P	16 49 38.0	-0.4
NPS Neapolis	74.33 306	iP	P	16 49 40.5	+1.4
KIS Kishinev	74.34 318	iP	P	16 49 35.0	-3.9
KIS				16 49 52.0	
KIS				16 52 20.0	
KIS				16 54 14.0	+1.9
KIS				16 59 03.0	-6.1
KIS				17 04 02.0	+4.3
comp=Z,600nm,3.5s			pmax	pmax	
KIS					
comp=Z,3um,12.0s			pmax	pmax	
KIS					
comp=N,500nm,4.0s			pmax	pmax	
KIS					
comp=E,2um,12.0s			pmax	pmax	
KIS					
comp=Z,3um,16.0s			pmax	pmax	
KIS					
comp=Z,1um,10.0s			pmax	pmax	
KIS					
comp=Z,1um,10.0s			smax		
KIS					
comp=N,4um,13.0s			smax		
KIS					
comp=E,2um,12.0s			MLR	MLR	
KIS					
comp=Z,7um,20.0s,MS5.9			MLR	MLR	
KIS					
comp=N,6um,22.0s,MS6.0			MLR	MLR	
KIS					
comp=E,7um,20.0s,MS6.0			MLR	MLR	
KIS					
comp=Z,5um,2.0s					
CFR Caracali	74.36 317	iP	P	16 49 39.3	+0.2
HRR Harsova	74.39 316	iP	P	16 49 39.7	+0.4
PRD Provadia	74.43 314	iP	P	16 49 39.0	-0.6
PRK Paraskevi	74.48 310	iP	P	16 49 40.0	0.0
LBTB Lobatse	74.61 244	iP	P	16 49 41.6	+0.6
LBTB Lobatse	74.61 244	iP	P	16 49 40.6	-0.4
SANT Santorini	74.62 307	iP	P	16 49 39.0	-1.8
EDRB Edirne	74.62 313	iP	P	16 49 39.9	-0.9
APE Apeiranthos	74.68 308	iP	P	16 49 38.5	-2.7
BOZC Bozcaada	74.76 311	iP	P	16 49 41.2	-0.3
PPE Popeni	74.80 318	iP	P	16 49 41.4	-0.3
JMB Yambol	74.87 314	iP	P	16 49 41.0	-1.1
IDI Anoyia	74.91 306	iP	P	16 49 41.6	-0.9
comp=Z,23nm,0.6s,mb5.3,baz=102,slow=7.1,SNR=22					
AKASG Malin Array Be	75.05 322	iP	P	16 49 41.7	-1.3

comp=Z,14nm,0.5s,mb5.2,baz=88,slow=4.9,SNR=93					
KIEV Kiev	75.05 322	iP	P	16 49 41.8	-1.2
KIEV				16 59 12.7	-4.3
KIEV				16 59 34.9	
KIEV				17 04 10.6	+2.2
KIEV				16 49 43.6	-0.4
IASI Iasi	75.22 318	iP	SS	16 49 44.7	-0.4
RDO Rodhopi	75.38 312	iP	P	16 49 48.1	+2.7
ISR Istrita	75.44 316	iP	P	16 49 46.2	+0.7
VRI Vrnicoia	75.48 317	iP	P	16 49 45.2	+0.6
VAM Varnos	75.49 306	iP	P	16 49 46.0	+0.3
STZH Strazhica	75.49 314	iP	P	16 49 46.3	+0.2
BOSA Boshof	75.52 240	iP	P	17 17 44.1	
comp=Z,38nm,1.0s,mb5.3,baz=89,slow=6.1,SNR=18					
BOSA			LR	LR	17 17 44.1
comp=Z,30um,20.5s,MS6.6,baz=65,slow=31					
BOSA	75.52 240	iP	P	16 49 46.1	0.0
comp=Z,160nm,1.4s,mb5.8					
DIM Dimitrovgrad	75.55 313	iP	P	16 49 45.0	-1.0
KDZ Kurdzhali	75.56 313	iP	P	16 49 47.0	+0.9
BUCI Bucharest	75.64 315	iP	P	16 49 47.6	+1.1
SZH Strazhica	75.91 314	iP	P	16 49 49.0	+0.9
MLR Muntele Rosu	75.93 316	iP	P	16 49 48.2	+0.1
comp=Z,72nm,1.0s,mb5.5,baz=103,slow=2.2,SNR=56					
MLR Muntele Rosu	75.93 316	iP	P	16 49 48.5	+0.3
ZIMR	75.97 315	iP	P	16 49 48.0	-0.4
ZIMR	75.97 315	iP	P	16 49 48.0	-0.4
RZN Rozen	76.08 312	iP	P	16 49 49.0	-1.0
PTL Penteli	76.14 309	iP	P	16 49 48.5	-0.1
PLD Plovdiv	76.17 313	iP	P	16 49 50.0	+0.4
IMPAR Parnis Oros	76.26 309	iP	P	16 49 49.5	-0.7
CUR Curanopolis	76.41 311	iP	P	16 49 51.7	+0.7
NSAL Nisos Salamina	76.43 308	iP	P	16 49 50.7	-0.7
MTUR Matur	76.49 316	iP	P	16 49 50.7	-0.6
PAIG Paliouri	76.57 311	iP	P	16 49 50.5	-1.4
MGER Gerania Oros	76.60 309	iP	P	16 49 51.7	-0.4
PGB Panagyurishte	76.64 313	iP	P	16 49 51.0	-1.2
MMB Mamburiste	76.80 312	iP	P	16 49 51.2	-2.2
PVL Polygyros	76.82 312	iP	P	16 49 49.0	-0.3
SRS Serrai	76.82 312	iP	P	16 49 51.7	-1.6
BURAR Bucovina Array	76.86 319	iP	P	16 49 54.1	+0.7
BURAR Bucovina Array	76.86 319	iP	P	16 49 54.1	+0.7
MNK Minsk	76.89 326	iP	P	16 49 51.0	-2.4
SOH Sokhos	76.95 311	iP	P	16 49 52.7	-1.4
PUL Pulkovo	77.16 331	iP	P	16 49 54.7	-0.1
PUL				16 52 54.0	
PUL				16 54 40.9	+2.5
PUL				16 59 38.4	-1.5
PUL				17 00 03.0	
PUL				17 04 49.1	+8.3
comp=N,94nm,0.8s			pmax	pmax	
PUL					
comp=Z,202nm,0.8s,mb6.1			pmax	pmax	
PUL					
comp=E,334nm,1.1s			pmax	pmax	
PUL					
comp=Z,3um,3.6s			pmax	pmax	
PUL					
comp=N,316nm,2.7s			pmax	pmax	
PUL					
comp=E,662nm,1.7s			smax		
PUL					
comp=N,3um,11.8s			smax		
PUL					
comp=Z,455nm,13.0s			smax		
PUL					
comp=E,2um,9.9s			smax		
PUL					
comp=N,3um,4.4s			smax		
PUL					
KUB Pulkovo	77.16 331	iP	P	16 49 54.0	-0.8
KPB Krupnik	77.32 312	iP	P	16 49 55.0	-1.1
VTS Vitosh	77.34 313	iP	P	16 49 55.0	-1.2
MVS Milford Sound	77.37 137	PN	P	16 49 58.6	+2.3
LIT Litokhoron	77.50 311	iP	P	16 49 55.1	-2.0
ITM Ithomi	77.55 308	iP	P	16 49 56.5	-0.9
VAY Valandovo	77.62 312	iP	P	16 49 56.4	-1.3
GRG Griva	77.69 311	iP	P	16 49 56.8	-1.3
IDD Idziasalis	77.71 326	iP	P	16 49 58.1	+0.1
JOE Joensuu	77.77 335	iP	P	16 49 56.0	-2.1
comp=N,36nm,0.6s,mb5.2					
JOE	77.77 335	iP	P	16 49 56.0	-2.1
comp=Z,36nm,0.6s,mb5.5					
EVR Evrytania	77.86 309	iP	P	16 49 59.2	+0.1
ZAPS ZavajPiroto	77.88 314	iP	P	16 49 58.1	-1.1
IIGN Ignalina	78.01				

Table with columns for station name, frequency, power, and other technical details. Includes stations like ARSO, TSZ, MORC, ZST, BKZ, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KBA, RUE, WET, WETZ, WETZ, WETZ, WETZ, etc.

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













Table with columns for station call letters, name, frequency, and other details. Includes stations like PLAL, TZTN, BLA, BLA, BLA, etc.

Table with columns for station call letters, name, frequency, and other details. Includes stations like ANMO, ANMO, ANMO, ANMO, ANMO, etc.

Table with columns for station call letters, name, frequency, and other details. Includes stations like REDW, SNOW, LOHW, LOHW, WUWV, etc.

Table with columns: Station, Name, Time, Frequency, Mode, Power, and other technical details. Includes stations like Yreka Blue Hor, Waterlon Lakes, Red Mountain, etc.

Table with columns: Station, Name, Time, Frequency, Mode, Power, and other technical details. Includes stations like ETOB Tobarra, ETRT Tiaré, EANR 'Ain N'Sour, etc.

Table with columns: Station, Name, Time, Frequency, Mode, Power, and other technical details. Includes stations like LMR comp=Z,134nm,1.3s,mb5.7, La Moure, SUMG Summit, etc.









Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like Stephens Creek, Alice Springs, Warramunga Arr, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like ARCES ARCES Array B, KIMBO Kiliima Mboya, NB2 NORSAR Subarray, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase ID, Time, Residual, and other parameters. Includes stations like YKA Yellowknife Arr, FUNV 1702:37:17.5, etc.















Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AMTX Amarillo, JCT Junction City, OBN Obninsk, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AAK Ala-Archa, AAK Matopo, YAK Yakutsk, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YOJ Yonaguni jima, IRIF Iriomote-Funau, etc.

17d 11h

BUI 17 10:29:33.9, 34.16N-80.87E, h20km, mb4.1, ML3.8
ISC 17 10:29:32.7, 1.3, 33.83N, 0.07-80.68E, 0.09, h48km±13km,
n32, c1820/32, mb3.8/15, Xizang

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC. Lists various stations like Sundarnagar, Simla, Bhakra, Kashi, Ala-Archa, etc.

IDC 17 10:37:59.2, 1.2, 0.98N-97.11E, mb4.2/10, mb1 4.3/11,
mb1mx3.1/20, mbtmp4.2/11, ML4.2/11, MS4.1/4, MS1.4/14,
ms1mx3.3/31, Error ellipse: s-maj=58.2km s-min=15.4km
az=55.0

BUI 17 10:38:00.9, 1.08N-97.46E, h16km, mb4.9, mb4.6, Ms4.0,
Ms24.0

NEIC 17 10:38:02.3, 0.6, 1.03N-97.17E, mb4.5/7, Error ellipse:
s-maj=16.2km s-min=8.0km az=70.0

ISC 17 10:38:02.7, 0.7, 1.06N-97.23E, 0.09, h33km, n35,
c0584/30, mb4.3/18, MS4.2/4, IC, Northern Sumatra

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC. Lists various stations like Iph, Kulim, Kiang, Chiang Mai Arr, etc.

2005 APR

JCT Junction City 144.69 26 ePKP PKPdf 10 57 38.2 +1.5
JCT 10 57 45.5

CSEM 17 10:46:58.8, 0.1, 43.27N, 12.52E, h10km, ML3.5/3, Error
ellipse: s-maj=1.4km s-min=1.2km az=51.0

ROM 17 10:46:59.0, 0.1, 43.27N, 12.52E, h9km±1km, Md2.5/17,
Md2.5/12, Error ellipse: s-maj=1.2km s-min=1.0km
az=112.0, Central Italy

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC. Lists various stations like Monte Urbino, Assisi, Esanatoglia, etc.

NIED 17 11:09:00.35, 20N, 140.00E, h68km, Mw4.2 Best double
couple: Me2.59x10^15 NP1.889, 888, lambda-173. NP2:
phi=359, 883, lambda-2

BUI 17 11:09:02.4, 35.20N-140.00E, h49km, mb4.9, mb4.6,
Ms3.8, Ms23.5

MOS 17 11:09:03.1, 1.35, 15N-140.15E, h62km, mb4.7/7, Error
ellipse: s-maj=18.2km s-min=8.8km az=101.3

IDC 17 11:09:05.1, 1.8, 35.13N-139.82E, h57km, 18km, Mb3.7/15,
mb1 3.9/18, mb1mx3.8/27, mbtmp4.1/18, ML4.6/3, Error
ellipse: s-maj=19.3km s-min=12.0km az=89.0

JMA 17 11:09:05.0, 0.1, 35.16N-139.97E, h69km, 1km, M4.4
Broadband fault plane solution: P waves. NP1.889, 876,
lambda-174. NP2.889, 884, lambda-14. Principal axes: T Plog6,
Azm35; N Plog75, Azm148; P Plog14, Azm304;

JMA Felt III J1
NEIC 17 11:09:06.4, 1.2, 35.18N-140.03E, h70km±10km, mb4.4/7
Error ellipse: s-maj=13.2km s-min=8.8km az=107.0

NEIC Felt at Higashi-yamato, Musashino, Nakamura, Tokyo and
Yokosuka. Recorded [3 JMA] in Kanagawa; [2 JMA] in
Chiba, Saitama, Shizuoka and Tokyo; [1 JMA] in Ibaraki,
Tochigi and Yamaguchi Prefectures. Also recorded [1
JMA] on Miyake-jima and O-shima.

ISC 17 11:09:07.0, 3.35, 14N-103.3999E, 0.04, h72km±2km,
m67, 11506/87, mb4.0/24, 6C-12D, Near south coast of
eastern Honshu

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC. Lists various stations like TATEYAMA 2, KATSUURA, YOKOSOKI, etc.

696

YAK Yakutsk 27.70 350 P P 11 14 47.0 -0.8
YAK 11 14 47.0 -0.8

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC. Lists various stations like Yakutsk, Songino Array, Bodaibo, etc.



17d 13h

2005 APR

ms1mx3.1/25, Error ellipse: s-maj=26.9km s-min=16.7km az=56.0

NEIC 17 11:54:28.6, 6.5, 0.87N, 97.36E, h9km, 40km, mb4.4/7, Error ellipse: s-maj=15.6km s-min=7.4km az=56.0

NEIC Felt [I] at Gunungsitoli, ISC 17 11:54:31.5, 2.2, 0.89N, 0.08, 97.44E, 0.09, h39km, 18km, h34km, 2.8km, p-P, n45, c=679/45, mb4.2/24, MS3.4/1, C,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Lists seismic stations in Northern Sumatra and surrounding areas.

NEIC 17 12:22:42.6, 38.63S, 175.66E, h173km, MG3.8(WEL), After WEL, WEL 17 12:22:49.0, 3.3, 38.63S, 175.67E, h169km, 2km, ML3.8/18, 5D, Error ellipse: s-maj=2.8km s-min=1.8km az=0.0, North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Lists seismic stations in North Island.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Lists seismic stations in WAZ, Wanganui, and surrounding areas.

ISC 17 12:26:30.8, 3.2, 7.68S, 127.37E, h130km, 30km, mb3.8/8, mb1.4/1/12, mb1mx4.0/18, mbtmp4.4/12, Error ellipse: s-maj=25.3km s-min=13.5km az=66.0

NEIC 17 12:26:33.7, 1.4, 7.67S, 127.33E, h154km, 14km, mb4.2/9, Error ellipse: s-maj=13.6km s-min=8.8km az=53.0

ISC 17 12:26:28.2, 1.6, 7.51S, 0.07, 127.6E, 0.1, h126km, 17km, n39, c=113/41, mb4.4/15, 1C-2D, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Lists seismic stations in the Banda Sea region.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Lists seismic stations in SJIU, Sjuksmark, and surrounding areas.

ISC 17 12:48:49.6, 4.5, 1.90S, 138.91E, mb3.2/2, mb1.3/3/3, mb1mx3.3/12, mbtmp3.2/3, ML3.1/1, Error ellipse: s-maj=216.7km s-min=27.8km az=89.0, Near north coast of Irian Jaya

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Lists seismic stations in WRA, Warramunga Arr, and surrounding areas.

MAN 17 12:49:52.5, 14.82N, 120.12E, h66km, mb4.7, ML3.6, MG3.5

ISC 17 12:49:52.8, 3.3, 12.95N, 119.21E, mb3.7/3, mb1.4/0/3, mb1mx3.5/19, mbtmp3.7/3, Error ellipse: s-maj=300.5km s-min=29.5km az=39.0

ISC 17 12:49:52.4, 0.7, 14.77N, 0.04, 120.17E, 0.07, h88km, 7km, n18, c=105/27, mb4.0/2, 2C-5D, Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Lists seismic stations in NBP, Mount Natib, and surrounding areas.

ISC 17 12:59:46.9, 2.3, 0.71S, 99.93E, mb3.8/4, mb1.3/9/5, mb1mx3.7/16, mbtmp3.8/5, ML3.4/1, Error ellipse: s-maj=107.8km s-min=24.9km az=55.0, Southern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Lists seismic stations in CMAR, Chiang Mai Arr, and surrounding areas.

STR 17 13:08:52.6, 2.3, 47.06N, 0.10W, h5km, 1km, M12.7, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

NEIC 17 13:08:53.1, 47.07N, 0.18W, h2km, ML2.8(LDG), ML2.6(STR), After LDG, CSEM 17 13:08:53.2, 0.1, 47.07N, 0.20W, h2km, ML3.0/11, Error ellipse: s-maj=2.3km s-min=1.8km az=45.0

LDG 17 13:08:53.1, 0.1, 47.07N, 0.18W, h2km, M2.8/2, M12.8/15, Error ellipse: s-maj=3.1km s-min=2.3km az=35.0, France

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Lists seismic stations in MFF, Saint Martin, and surrounding areas.



17d 13h

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like LZH Lanzhou, KLP Kalpa, SMLA Simla, etc.

2005 APR

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like ASPA Alice Springs, MSEA Mahe Island, ASAR Alice Springs, etc.

700

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like SNY, USP, SONM, GUMO, etc.





Table with columns for station name, frequency, and signal strength. Includes stations like KIS, HARR, PRD, etc.

Table with columns for station name, frequency, and signal strength. Includes stations like RAC, KEV, KEV, etc.

Table with columns for station name, frequency, and signal strength. Includes stations like HFS, COP, COP, etc.

RUP	Ruppelstein	90.19 320	eP	P	13 56 53.2 +0.7
PZZ	Prazzo	90.22 314	P	P	13 56 51.8 -1.0
QSPA	South Pole Qui	90.24 180	eP	P	13 56 53.6 +1.5
	comp-Z,62nm,1.2s,mb5.8				
FENE	Fenes	90.34 315	P	P	13 56 52.2 -0.7
WTSB	Winterswijk	90.33 322	eP	P	13 56 54.1 +1.0
	comp-Z,37nm,1.1s,mb5.6				
WTSB			ex	x	13 57 01.1
HINF	Hinterferal	90.35 318	eP	P	13 56 52.9 -0.4
L0MF	Lomont	90.37 317	eP	P	13 56 53.6 +0.2
CALF	Calern	90.38 314	eP	P	13 56 53.2 -0.4
WIT	Witveenen	90.39 323	eP	x	13 56 54.9
RRL	Cesana Torines	90.44 315	P	P	13 56 53.4 -0.4
MBDF	Montbardon	90.45 315	eP	P	13 56 53.7 -0.2
	comp-Z,39nm,1.0s,mb5.4				
MBDF	Montbardon	90.45 315	eP	P	13 56 53.7 -0.2
	comp-Z,19nm,1.0s,mb5.4				
LPG	La Plagne	90.46 315	eP	P	13 56 54.4 +0.5
	comp-Z,101nm,0.9s,mb5.8				
LPG	La Plagne	90.46 315	eP	P	13 56 54.4 +0.5
	comp-Z,51nm,0.9s,mb5.8				
LPL	La Plagne	90.47 315	eP	P	13 56 54.4 +0.5
	comp-Z,25nm,0.9s,mb5.9				
LPL	La Plagne	90.47 315	eP	P	13 56 54.4 +0.5
	comp-Z,61nm,0.9s,mb5.9				
CAEH	Ain El Ouach	90.50 307	P	P	13 56 58.0 +3.7
BNI	Bardonecchia	90.52 315	P	P	13 56 54.0 +1.0
	comp-Z,26nm,0.9s,mb5.6				
BNI	Bardonecchia	90.52 315	eP	P	13 56 54.2 +0.1
	comp-Z,26nm,0.9s,mb5.6				
FRF	La Foret Royal	90.56 313	eP	P	13 56 54.6 +0.2
	comp-Z,149nm,1.1s,mb5.9				
FRF	La Foret Royal	90.56 313	eP	P	13 56 54.6 +0.2
	comp-Z,75nm,1.1s,mb5.9				
AFI	Afiamal	90.58 104	pP	P	13 57 05.9 +2.7
	comp-Z,109nm,1.1s,baz=288,slow=8.1,SNR=8.7				
CKFL	Kef-Lekhel	90.61 306	P	P	13 56 57.0 +2.2
LMR	La Moure	90.67 313	eP	P	13 56 55.1 +0.2
	comp-Z,126nm,1.3s,mb5.8				
LMR	La Moure	90.67 313	eP	P	13 56 55.1 +0.2
	comp-Z,63nm,1.3s,mb5.8				
HAU	Haudompre	90.69 318	eP	P	13 56 54.8 -0.1
	comp-Z,148nm,1.1s,mb5.9				
HAU	Haudompre	90.69 318	eP	P	13 56 54.8 -0.1
	comp-Z,591nm,19.8s				
HAU	Haudompre	90.69 318	eP	P	13 56 54.8 -0.1
	comp-Z,74nm,1.1s,mb5.9				
HAU	Haudompre	90.69 318	eP	P	13 56 54.8 -0.1
	comp-Z,590nm,19.8s,MS5.0				
CASM	Ain Smara	90.80 306	P	P	13 56 57.0 +1.3
CTEI	Djebel Teioual	90.87 306	P	P	13 56 57.5 +1.5
HGN	Heimgroevre	90.90 321	eP	P	13 56 56.9 +0.7
	comp-Z,23nm,1.2s,mb5.4				
HGN	Heimgroevre	90.90 321	eP	x	13 57 03.2
HGN	Heimgroevre	90.90 321	eP	x	13 57 10.5
HGN	Heimgroevre	90.90 321	eP	S	14 07 55.9 +7.3
CABF	La Chapelle	90.90 316	eP	P	13 56 56.4 +0.6
	comp-Z,116nm,1.1s,mb5.8				
CABF	La Chapelle	90.90 316	eP	P	13 56 56.4 +0.6
	comp-Z,58nm,1.1s,mb5.8				
THEF	They Montfort	90.93 318	eP	P	13 56 55.9 0.0
TAVF	Tavernes	90.99 313	eP	P	13 56 52.9 -3.4
ORIF	Oris-en-Rattie	91.08 315	eP	P	13 56 57.2 +0.5
	comp-Z,85nm,1.1s,mb5.7				
ORIF			eR		
	comp-Z,694nm,20.5s				
GRN	Grenoble	91.17 315	eP	P	13 56 58.0 +0.9
DFRA	Djebel Bou Aff	91.29 306	P	P	13 56 53.0 -4.9
SMRF	Simiane la Rot	91.33 314	eP	P	13 56 58.7 +0.8
	comp-Z,125nm,1.1s,mb5.9				
MEZF	Mazieres J'vi	91.54 318	eP	P	13 56 59.1 +0.3
	comp-Z,113nm,1.1s,mb5.8				
TNA	Tin City	91.56 25	eP	P	13 56 58.4 0.0
	comp-Z,110nm,1.2s,mb5.0				
TNA			e	pP	13 57 07.0 +0.5
TNA			e	LR	
GIVF	Givet	91.63 320	eP	P	13 56 59.4 +0.3
	comp-Z,586nm,20.0s,MS5.0				
GIVF	Givet	91.63 320	eP	P	13 56 59.4 +0.3
	comp-Z,73nm,1.1s,mb5.6				
GIVF	Givet	91.63 320	eP	P	13 56 59.4 +0.3
	comp-Z,37nm,1.1s,mb5.6				
VIVF	Saint-Julien-1	91.94 315	eP	P	13 57 01.1 +0.4
	comp-Z,46nm,1.0s,mb5.8				
VIVF	Saint-Julien-1	91.94 315	eP	P	13 57 01.1 +0.4
	comp-Z,22nm,1.0s,mb5.4				
BAIF	Baives	92.03 320	eP	P	13 57 01.5 +0.6
	comp-Z,137nm,1.1s,mb5.9				
BAIF	Baives	92.03 320	eP	P	13 57 01.5 +0.6
	comp-Z,68nm,1.1s,mb5.9				
SMF	Signal de Mont	92.44 317	eP	P	13 57 03.1 +0.1
	comp-Z,119nm,1.0s,mb5.9				
SMF	Signal de Mont	92.44 317	eP	P	13 57 03.1 +0.1
	comp-Z,56nm,1.0s,mb5.8				
LASF	Ste Croix	92.56 314	eP	P	13 57 04.1 +0.5
	comp-Z,126nm,1.3s,mb5.9				
PLDF	La Plantade	92.63 316	eP	P	13 57 04.1 +0.3
SSDF	Saint Saulge	92.65 317	eP	P	13 57 04.2 +0.3
	comp-Z,48nm,1.3s,mb5.8				
SSF	Saint Saulge	92.65 317	eP	P	13 57 04.2 +0.3
	comp-Z,48nm,1.3s,mb5.8				
AVF	Avril sur Loir	92.77 317	eP	P	13 57 04.5 0.0
	comp-Z,93nm,1.1s,mb5.8				
AVF	Avril sur Loir	92.77 317	eP	P	13 57 04.5 0.0
	comp-Z,46nm,1.1s,mb5.8				
LBL	Lubilhac	92.94 315	eP	P	13 57 06.5 +1.2
AGO	Saint Agoulin	92.97 316	eP	P	13 57 06.0 +0.6
BGF	Bois d'Agland	93.13 316	eP	P	13 57 06.5 +0.5
	comp-Z,132nm,1.1s,mb5.0				
BGF	Bois d'Agland	93.13 316	eP	P	13 57 06.6 +0.5
	comp-Z,68nm,1.1s,mb5.0				
HYF	Humbigny	93.23 317	eP	P	13 57 07.3 +0.8
SNA	Sanne	93.59 198	l/P	P	13 57 09.6 +1.9
	comp-Z,22nm,1.1s,mb5.9				
SNA			e		13 57 19.7
SNA			e		13 57 22.7
TCF	Toulx Ste Croix	93.59 316	eP	P	13 57 08.7 +0.5
	comp-Z,68nm,1.4s,mb5.6				
TCF	Toulx Ste Croix	93.59 316	eP	P	13 57 08.7 +0.5
	comp-Z,34nm,1.4s,mb5.6				
CAF	Calviac	93.79 315	eP	P	13 57 09.8 +0.6
	comp-Z,92nm,1.2s,mb5.5				
CAF	Calviac	93.79 315	eP	P	13 57 09.8 +0.6
	comp-Z,26nm,1.2s,mb5.5				
MTLF	Montlieu	93.79 313	eP	P	13 57 09.6 +0.3
	comp-Z,74nm,1.2s,mb5.7				
MTLF	Montlieu	93.79 313	eP	P	13 57 09.6 +0.3
	comp-Z,37nm,1.2s,mb5.7				
RJF	Les Rejaudoux	94.15 315	eP	P	13 57 11.5 +0.7
	comp-Z,94nm,1.6s,mb5.7				
RJF	Les Rejaudoux	94.15 315	eP	P	13 57 11.5 +0.7
	comp-Z,585nm,20.5s				
RJF	Les Rejaudoux	94.15 315	eP	P	13 57 11.5 +0.7
	comp-Z,47nm,1.6s,mb5.7				
RJF	Les Rejaudoux	94.15 315	eP	P	13 57 11.5 +0.7
	comp-Z,590nm,20.5s,MS5.0				
LF	La Fresta	94.73 315	eP	P	13 57 13.9 +0.4
	comp-Z,44nm,1.2s,mb5.5				
LF	La Fresta	94.73 315	eP	P	13 57 13.9 +0.4
	comp-Z,22nm,1.2s,mb5.5				
LDF	La Druitiere	94.96 319	eP	P	13 57 14.3 -0.2
	comp-Z,30nm,1.1s,mb5.3				
LDF	La Druitiere	94.96 319	eP	P	13 57 14.3 -0.2
	comp-Z,15nm,1.1s,mb5.3				
JMIC	Jan Mayen	94.97 342	AMS	AMS	14 49 01.3
	comp-Z,459nm,13.7s,MS5.1				
FLN	La Foliniere	95.18 319	eP	P	13 57 15.3 -0.2

FLN			eR		
	comp-Z,534nm,21.5s				
VNA2	Neumayer-Watz	95.18 199	P	P	13 57 12.0 -3.0
MFF	Saint Martin d	95.19 317	eP	P	13 57 15.7 +0.1
	comp-Z,20nm,0.9s,mb5.2				
MFF	Saint Martin d	95.19 317	eP	P	13 57 15.7 +0.1
	comp-Z,1.0nm,0.9s,mb5.2				
VNA1	Neumayer-Stat	95.53 199	l/P	P	13 57 13.1 -3.5
VNA1			P	P	13 57 25.0
DAG	Danmarks Havn	95.58 348	l/P	P	13 57 16.7 -0.1
	comp-Z,5.0nm,0.9s,mb5.0				
DAG	Danmarks Havn	95.58 348	l/P	P	13 57 16.7 -0.1
	comp-Z,5.9nm,0.9s,mb5.0				
VNA3	Neumayer Olymp	95.81 198	l/P	P	13 57 16.4 -1.5
VNA3			pP	P	13 57 26.3 +0.3
VNA3			eP	P	13 57 28.9
ETSF	Etsaut	95.86 313	eP	P	13 57 19.2 +0.4
	comp-Z,16nm,0.8s,mb5.2				
ETSF	Etsaut	95.86 313	eP	P	13 57 19.2 +0.4
	comp-Z,8.0nm,0.8s,mb5.2				
SJPF	Sparvehorn	96.32 313	eP	P	13 57 21.4 +0.5
	comp-Z,64nm,1.4s,mb5.6				
SJPF	Sparvehorn	96.32 313	eP	P	13 57 21.4 +0.5
	comp-Z,32nm,1.4s,mb5.6				
TTA	Tatiana	97.12 26	eP	P	13 57 26.7 +2.8
IMA	Indian Mountai	97.22 23	eP	P	13 57 26.2 +1.9
	comp-Z,67nm,0.9s,mb6.1				
IMA	Indian Mountai	97.22 23	eP	P	13 57 25.8 +1.5
SVW2	Sarvehorn	97.78 28	eP	P	13 57 28.9 +1.9
ESDC	Sonsecra Array	98.78 310	P	P	13 57 32.0 0.0
	comp-Z,0.9nm,0.7s,baz=32,slow=5.1,SNR=4.4				
ESDC			PP	PP	14 01 33.5 -2.4
	comp-Z,2.0nm,0.8s,baz=80,slow=7.7,SNR=5.0				
ESLA	Sonsecra Array	98.78 310	LR	LR	13 57 40.0 +8.0
ESLA			LR	LR	
MCK	McKinley	99.90 24	eP	P	13 57 37.1 +0.5
	comp-Z,2.0nm,0.8s,baz=80,slow=7.7,SNR=5.0				
MCK	McKinley	99.90 24	eP	P	13 57 37.1 +0.5
	comp-Z,8.0nm,1.1s,mb5.1				
MCK	McKinley	99.90 24	eP	P	13 57 37.1 +0.5
	comp-Z,2.86nm,19.0s,MS4.8				
MCK	McKinley	99.90 24	eP	P	13 57 37.1 +0.5
	comp-Z,8.2nm,1.1s,mb5.1				
COLA	College	99.92 23	P	P	13 57 50.0 +1.3
COLA			LR	LR	
KDAK	Kodiak Island	100.17 31	P	P	13 57 50.0 +1.2
KDAK			LR	LR	
FIB	Fire Island	100.27 27	P	P	13 57 50.0 +1.2
	comp-Z,2.10nm,19.0s,MS4.7				
ILAR	Eielson Array	100.34 23	P	P	13 57 38.8 +0.3
	comp-Z,0.2nm,0.8s,baz=259,slow=4.6,SNR=3.5				
ILAR	Eielson Array	100.34 23	P	P	13 57 38.8 +0.3
	comp-Z,3.8nm,1.1s,baz=304,slow=7.1,SNR=7.4				
ILAR	Eielson Array	100.34 23	P	P	13 57 38.8 +0.3
	comp-Z,1.4nm,0.9s,baz=153,slow=2.1,SNR=9.4				
SML	Sawmill	100.87 26	eP	P	13 57 42.8 +1.9
DIV	Divide	102.26 26	P	P	13 58 00.0 +1.3
DBIC	Dimbokro	102.43 277	P	P	13 57 49.3 +0.2
	comp-Z,3.3nm,1.2s,baz=80,slow=5.7,SNR=3.4				
DBIC	Dimbokro	102.43 277	P	P	13 57 49.3 +0.2
	comp-Z,665nm,21.0s,MS5.1				
INK	Inuvik	103.19 17	P	P	13 57 51.4 +0.3
INK	Inuvik	103.19 17	P	P	14 02 02.6
INK	Inuvik	103.19 17	P	P	13 57 51.4 +0.2
	comp-Z,0.8nm,0.9s,baz=289,slow=6.1,SNR=5.9				
INK	Inuvik	103.19 17	P	P	13 57 59.5
	comp-Z,2.9nm,0.9s,baz=289,slow=6.1,SNR=5.9				
DAWY	Dawson	103.26 22	P	P	13 57 54.9 +2.0
SIT	Sitka	108.93 27	P	P	14 02 30.0
TBI	Tubuai	111.03 115	eSS	SS	14 19 00.1 +25
TBI			eLR	LR	14 35 12.7
P					





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HYB Hyderabad, PKI Pulchoki, GUN Gumba, LSA Lhasa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like FITZ Fitzroy Crossi, BOD Bodaibo, SVE Sverdlouvs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ellipse: s-maj=17.6km, NEIC 17:17:29, BUI 17:43:32, HRVD 17:43:34, etc.



WRA	comp=Z,16nm,1.1s,baz=56,slow=18,SNR=13	ScP			17 55 56.5
DZM	comp=Z,3.5nm,0.9s,baz=43,slow=2.4,SNR=7.4	P	P		17 48 22.0 -1.0
DZM	Mont Dzumac 21.91 140	P	P		17 48 22.0 -1.0
DZM	comp=Z,13nm,0.6s,mb4.5,baz=27.4,slow=6.3,SNR=12	LR	LR		17 55 30.0
ASAR	comp=Z,2.1um,21.9s,MS4.5,baz=105,slow=33	P	P		17 48 50.0 +0.2
ASAR	Alice Springs 24.64 221	P	P		17 48 50.0 +0.2
ASAR	comp=Z,39nm,0.6s,mb5.1,baz=57,slow=8.7,SNR=284	S	S		17 53 08.7 +4.5
ASAR	comp=Z,1.4nm,0.8s,baz=51,slow=13,SNR=2.6	ScP			17 56 03.3
ASAR	comp=Z,1.4nm,0.9s,baz=33,slow=3.2,SNR=5.0	LR	LR		17 57 59.4
ASPA	comp=Z,718nm,20.6s,MS4.2,baz=54,slow=35	P	P		17 48 50.5 +0.7
ASPA	Alice Springs 24.64 221	P	P		17 48 50.5 +0.7
STKA	comp=Z,18nm,1.0s,mb4.7	LR	LR		17 53 12.2 +7.9
STKA	Stephens Creek 27.72 198	ScP			17 49 17.9 -0.4
STKA	Stephens Creek 27.72 198	P	P		17 49 17.6 -0.6
STKA	comp=Z,8.4nm,0.8s,mb4.4,baz=25,slow=12,SNR=12	LR	LR		18 00 44.4
FITZ	comp=Z,1um,18.6s,MS4.5,baz=118,slow=37	LR	LR		17 49 20.8 -0.7
FITZ	Fitzroy Crossi 28.07 241	eP			17 49 20.8 -0.7
FITZ	comp=Z,88nm,0.4s,mb5.7	P	P		17 49 20.9 -0.6
FITZ	Fitzroy Crossi 28.07 241	P	P		17 49 20.9 -0.6
FITZ	comp=Z,224nm,0.7s,mb5.9,baz=76,slow=7.5,SNR=167	LR	LR		18 01 46.0
FITZ	comp=Z,655nm,19.9s,MS4.2,baz=314,slow=39	LR	LR		17 50 06.6 -1.0
FORT	Forrest 33.31 218	eP			17 50 16.3 -0.6
MWBA	Marble Bar 34.38 240	eP			17 50 38.4 +0.5
MWBA	comp=Z,66nm,0.8s,mb5.6	P	P		17 50 58.0 +0.3
KKM	Kota Kinabalu 36.98 288	eP			18 04 45.4
KKM	Kunigami 39.24 326	P	P		17 51 08.8 -1.4
JOW	comp=Z,41nm,0.9s,mb5.2,baz=172,slow=16,SNR=5.2	LR	LR		18 04 45.4
JOW	Hachio jima 2 40.04 345	LR	LR		17 51 17.8 +0.1
JOW	comp=Z,624nm,20.6s,MS4.4,baz=122,slow=32	P	P		17 51 18.8 -0.4
KLBR	Kellerberrin 40.76 226	eP			18 10 54.7
KSM	Kuching 41.64 279	eP			17 51 18.9 -0.3
NWAO	Naroron (SRO) 41.85 225	P	P		17 51 20.6 +0.6
NWAO	comp=Z,14nm,1.1s,mb4.5,baz=79,slow=10,SNR=3.7	LR	LR		17 51 21.7 +0.6
NWAO	comp=Z,807nm,18.6s,MS4.6,baz=52,slow=39	P	P		17 51 21.7 +0.6
NWAO	Naroron (SRO) 41.85 225	eP			17 51 21.7 +0.6
YHNB	Yeheng 41.94 317	eP			17 51 21.7 +0.6
MUN	Mundaring 42.09 227	eP			17 51 54.3 -2.5
MUN	comp=Z,106nm,0.9s,mb5.5	P	P		17 53 44.4 -2.1
MUN	Mundaring 42.09 227	eP			17 57 22.5
MUN	comp=Z,33nm,0.7s,mb5.4	AMB	AMB		17 58 42.4 +2.3
SSE	comp=Z,77nm,5.1s	AMB	AMB		18 01 46.6 +3.0
SSE	Sheshan 46.52 323	P	P		17 52 08.3 +2.2
SSE	comp=Z,593nm,18.6s,MS4.6	LR	LR		17 58 59.4 +2.7
SSE	Sheshan 46.52 323	P	P		17 59 26.3
SSE	comp=Z,33nm,0.7s,mb5.4	AMB	AMB		17 52 11.5 -1.5
SSE	comp=Z,33nm,0.7s,mb5.4	AMB	AMB		17 54 04.0 -2.1
SSE	comp=Z,33nm,0.7s,mb5.4	AMB	AMB		17 59 10.0 +0.7
SSE	comp=Z,33nm,0.7s,mb5.4	AMB	AMB		17 52 28.0 +0.5
SSE	comp=Z,33nm,0.7s,mb5.4	AMB	AMB		17 52 36.9 -0.9
SSE	comp=Z,33nm,0.7s,mb5.4	AMB	AMB		17 52 52.3 +1.0
SSE	comp=Z,33nm,0.7s,mb5.4	AMB	AMB		17 53 06.0 -0.8
SSE	comp=Z,33nm,0.7s,mb5.4	AMB	AMB		17 53 12.0 -1.4
SSE	comp=Z,33nm,0.7s,mb5.4	AMB	AMB		17 53 56.4 -0.4
SSE	comp=Z,33nm,0.7s,mb5.4	AMB	AMB		17 54 53.8 -0.2
SSE	comp=Z,33nm,0.7s,mb5.4	AMB	AMB		17 57 49.3
SSE	comp=Z,33nm,0.7s,mb5.4	AMB	AMB		17 57 55.3
SSE	comp=Z,33nm,0.7s,mb5.4	AMB	AMB		18 00 48.3
SSE	comp=Z,33nm,0.7s,mb5.4	AMB	AMB		18 01 46.6 +3.0
QIZ	comp=Z,590nm,18.6s,MS4.6	P	P		17 52 08.3 +2.2
QIZ	Qiongzong 47.69 302	P	P		17 58 59.4 +2.7
QIZ	comp=Z,353nm,19.2s,MS4.4,baz=168,slow=36	LR	LR		17 59 26.3
QIZ	Wuhan 50.48 318	LR	LR		17 52 28.0 +0.5
QIZ	comp=N,345nm,21.1s,MS4.5	LR	LR		17 52 11.5 -1.5
QIZ	comp=E,446nm,20.6s,MS4.5	LR	LR		17 54 04.0 -2.1
QIZ	comp=Z,864nm,23.2s,MS4.7	LR	LR		17 59 10.0 +0.7
NJ2	Nanjing 48.60 322	eP			17 52 11.5 -1.5
NJ2	comp=Z,10.0nm,0.9s,mb4.8	AMB	AMB		17 54 04.0 -2.1
NJ2	comp=Z,624nm,6.4s	AMB	AMB		17 59 10.0 +0.7
NJ2	comp=N,4um,16.4s,MS5.7	LR	LR		17 52 28.0 +0.5
NJ2	comp=E,5um,18.4s,MS5.7	LR	LR		17 52 36.9 -0.9
NJ2	comp=Z,4um,18.8s,MS5.4	LR	LR		17 52 52.3 +1.0
RAR	Rarotonga 49.74 113	LR	LR		17 53 06.0 -0.8
ASAJ	Asahikawa 50.11 352	LR	LR		17 53 12.0 -1.4
WHN	Wuhan 50.48 318	LR	LR		17 53 56.4 -0.4
WHN	comp=Z,1um,18.0s,MS4.9	LR	LR		17 54 53.8 -0.2
KULM	Kulim 51.82 281	eP			17 57 49.3
MDJ	Mudanjiang 53.68 341	P	P		17 57 55.3
MDJ	comp=Z,4.0nm,1.9s,mb4.0	AMB	AMB		18 00 48.3
MDJ	comp=Z,57nm,5.2s	AMB	AMB		18 01 46.6 +3.0
MDJ	comp=N,240nm,25.7s,MS4.3	LR	LR		17 52 08.3 +2.2
MDJ	comp=E,185nm,21.3s,MS4.3	LR	LR		17 58 59.4 +2.7
MDJ	comp=Z,348nm,24.2s,MS4.3	LR	LR		17 59 26.3
ENH	Enshi 53.69 314	eP			17 52 11.5 -1.5
ENH	comp=Z,18nm,1.0s,mb5.0	P	P		17 52 28.0 +0.5
GYA	Guyang 53.78 309	P			17 52 36.9 -0.9
GYA	comp=Z,10.0nm,0.6s,mb4.9	AMB	AMB		17 52 52.3 +1.0
GYA	comp=Z,120nm,4.0s	AMB	AMB		17 53 06.0 -0.8
GYA	comp=N,340nm,18.6s,MS4.6	LR	LR		17 53 12.0 -1.4
GYA	comp=E,420nm,18.3s,MS4.6	LR	LR		17 53 56.4 -0.4
GYA	comp=Z,500nm,18.6s,MS4.6	LR	LR		17 54 53.8 -0.2
CN2	Changchun 54.46 337	eP			17 57 49.3
CN2	comp=Z,10.0nm,0.9s,mb4.8	LR	LR		17 57 55.3
CN2	comp=N,400nm,16.0s,MS4.7	LR	LR		18 00 48.3
CN2	comp=E,300nm,16.9s,MS4.7	LR	LR		18 01 46.6 +3.0
CN2	comp=Z,500nm,18.0s,MS4.6	LR	LR		17 52 08.3 +2.2
NANT	Nan 55.52 297	P	P		17 58 59.4 +2.7
KMI	Kunming 56.29 305	P	P		17 59 26.3
KMI	comp=Z,11nm,1.0s,mb4.8	AMB	AMB		17 52 11.5 -1.5
KMI	comp=Z,110nm,5.2s	AMB	AMB		17 54 04.0 -2.1
KMI	comp=N,216nm,19.0s,MS4.5	LR	LR		17 59 10.0 +0.7
KMI	comp=Z,11nm,1.0s,mb4.8	AMB	AMB		17 52 28.0 +0.5

KMI	comp=E,298nm,18.6s,MS4.5	LR	LR		17 53 11.2 +0.8
KMI	comp=Z,396nm,21.4s,MS4.5	P	P		17 53 25.2 -0.9
KMI	Kunming 56.29 305	P			17 53 30.8 -1.9
KMI	comp=Z,11nm,1.0s,mb4.8	AMB	AMB		17 55 18.8
KMI	comp=Z,400nm,21.4s,MS4.5	MLR	MLR		17 56 35.9 +0.7
KMI	Kunming 56.29 305	P	P		18 00 55.7 +1.5
KMI	comp=Z,11nm,1.0s,mb4.8	AMB	AMB		18 01 12.7 -2.3
KMI	comp=Z,11nm,1.0s,mb4.8	AMB	AMB		18 01 19.4
KMI	comp=Z,11nm,1.0s,mb4.8	AMB	AMB		18 04 43.6 +1.6
KMI	comp=Z,11nm,1.0s,mb4.8	AMB	AMB		18 06 53.5 +0.2
KMI	comp=Z,11nm,1.0s,mb4.8	AMB	AMB		17 53 25.2 -0.9
KMI	comp=Z,11nm,1.0s,mb4.8	AMB	AMB		17 53 30.8 -1.9
KMI	comp=Z,11nm,1.0s,mb4.8	AMB	AMB		17 55 18.8
KMI	comp=Z,11nm,1.0s,mb4.8	AMB	AMB		17 56 35.9 +0.7
KMI	comp=Z,11nm,1.0s,mb4.8	AMB	AMB		18 00 55.7 +1.5
KMI	comp=Z,11nm,1.0s,mb4.8	AMB	AMB		18 01 12.7 -2.3
KMI	comp=Z,11nm,1.0s,mb4.8	AMB	AMB		18 01 19.4
KMI	comp=Z,11nm,1.0s,mb4.8	AMB	AMB		18 04 43.6 +1.6
KMI	comp=Z,11nm,1.0s,mb4.8	AMB	AMB		18 06 53.5 +0.2
CM31	Chiang Mai Arr 56.96 296	P	P		17 53 15.5 +0.1
CMAR	Chiang Mai Arr 56.96 296	P	P		17 53 15.9 +0.6
CMAR	comp=Z,6.6nm,1.0s,mb4.6,baz=114,slow=5.4,SNR=30	LR	LR		18 17 53.8
CHG	Chiang Mai 57.08 297	pP			17 53 34.4 +1.5
CD2	Chengdu 58.20 312	eP			17 53 23.3 +0.4
PPT	Papeete 58.82 107	eQ			18 05 25.7 +2.5
PPT	comp=Z,219nm,23.5s	eLR			18 08 16.9
HHC	Hu-ho-hao-te 58.89 325	eP			18 10 47.4
HHC	comp=Z,251nm,18.5s,MS4.3,baz=100,slow=38	LR	LR		17 53 29.0 +0.5
HHC	comp=Z,122nm,6.7s	LR	LR		17 53 47.3 +3.1
HHC	comp=N,474nm,19.2s,MS4.8	LR	LR		17 53 54.4 +3.5
HHC	comp=E,503nm,19.2s,MS4.8	LR	LR		17 54 16.6 -0.4
HHC	comp=Z,803nm,18.7s,MS4.9	LR	LR		17 58 13.0
HHC	comp=Z,803nm,18.7s,MS4.9	LR	LR		18 03 33.3 +5.2
HHC	comp=Z,122nm,6.7s	LR	LR		18 01 07.1 -2.2
HHC	comp=N,474nm,19.2s,MS4.8	LR	LR		18 01 37.7 +5.2
HHC	comp=E,503nm,19.2s,MS4.8	LR	LR		18 17 53.8
HHC	comp=Z,803nm,18.7s,MS4.9	LR	LR		18 10 47.4
TBI	Tubuai 59.51 114	eS			18 01 36.6 +0.2
TBI	comp=Z,269nm,29.5s	eLR			18 05 41.0 +7.3
PMOR	Pomariole Rio 60.29 104	eP			18 11 09.8
PMOR	comp=Z,54nm,1.2s,mb5.2	P			17 53 33.3 -5.2
LZH	Lanzhou 60.84 317	P			17 53 42.0 +0.1
LZH	comp=Z,28nm,1.5s,mb5.2	AMB	AMB		17 53 58.0 +0.3
LZH	comp=Z,118nm,4.9s	LR	LR		17 54 05.3 +0.8
LZH	comp=N,877nm,15.0s	LR	LR		17 55 59.1 +0.6
LZH	comp=Z,982nm,17.8s,MS5.0	LR	LR		17 56 59.1 +0.6
LZH	Lanzhou 60.84 317	P			18 01 54.0 +0.7
LZH	comp=Z,28nm,1.5s,mb5.2	AMB	AMB		18 02 22.3
LZH	comp=Z,980nm,17.8s,MS5.0	LR	LR		18 05 56.2 +1.9
LZH	Lanzhou 60.84 317	P			17 53 42.0 +0.1
LZH	comp=Z,28nm,1.5s,mb5.2	AMB	AMB		17 53 58.0 +0.3
LZH	comp=Z,980nm,17.8s,MS5.0	LR	LR		17 54 05.2 +0.8
LZH	Lanzhou 60.84 317	P			17 55 59.1 +0.6
LZH	comp=Z,28nm,1.5s,mb5.2	AMB	AMB		18 01 54.0 +0.7
LZH	comp=Z,980nm,17.8s,MS5.0	LR	LR		18 02 22.3
LZH	Lanzhou 60.84 317	P			18 05 56.2 +1.9
HIA	Hailar 61.19 337	eP			17 53 42.9 -1.2
HIA	comp=Z,980nm,17.8s,MS5.0	LR	LR		17 53 42.9 -1.2
HIA	Hailar 61.19 337	eP			17 53 42.9 -1.2
HIA	comp=Z,16nm,0.8s	P	P		17 54 11.3 -0.1
GTA	Gaotai 65.30 318	P	P		17 54 28.4 +1.0
GTA	comp=Z,16nm,0.8s,mb5.2	P	P		17 54 35.0 +1.2
GTA	comp=Z,103nm,11.8s	AMB	AMB		17 54 46.1 +3.0
GTA	comp=N,189nm,20.1s,MS4.6	LR	LR		17 56 36.9 +0.8
GTA	comp=E,311nm,20.2s,MS4.6	LR	LR		17 58 10.8 -1.3
GTA	comp=Z,417nm,20.9s,MS4.6	LR	LR		17 58 39.1
SHL	Shillong 65.52 301	eP			18 02 50.1 +1.1
CLNS	Chul'man 65.88 344	eP			18 04 00.5 +2.9
CLNS	comp=Z,12nm,0.8s,mb5.0	AMB	AMB		18 07 04.8 +0.4
CLNS	comp=N,6.0nm,0.9s	AMB	AMB		17 53 42.9 -1.2
CLNS	comp=E,5.0nm,1.0s	MLR	MLR		17 54 11.3 -0.1
CLNS	comp=N,200nm,15.0s,MS4.5	MLR	MLR		17 54 28.4 +1.0
CLNS	comp=Z,200nm,15.0s,MS4.4	MLR	MLR		17 54 35.0 +1.2
CLNS	comp=Z,100nm,13.0s,MS4.5	MLR	MLR		17 54 46.1 +3.0
ULN	Ulanbatar 65.94 329	eP			17 58 10.8 -1.3
ULN	comp=Z,10.0nm,0.9s,mb4.8	LR	LR		18 02 50.1 +1.1
ULN	Ulanbatar 65.94 329	eP			18 04 00.5 +2.9
ULN	comp=Z,10nm,0.9s,mb4.8	LR	LR		18 07 04.8 +0.4
SONM	Songino Array 66.26 329	P			17 53 42.9 -1.2
SONM	comp=Z,8.5nm,0.6s,mb4.9,baz=135,slow=5.2,SNR=30	LR	LR		17 54 11.3 -0.1

17d 18h

Table with columns: EVO, Evora, comp, Z, 17m, 0.9s, mb, 5.5, MNV, Mina, 93.78, 52, eP, P, 17 56 45.8 +0.5, etc.

2005 APR

Table with columns: EVO, Evora, comp, Z, 20m, 1.1s, 142.28 333, ePKIP, PKPdf, 18 03 00.0 +0.6, etc.

708

Table with columns: MUN, Mundaring, 60.72 243, eP, P, 18 19 22.4 0.0, etc.

Error ellipse: s-maj=12.1km s-min=8.8km az=121.0

ISC 17 18:19:36.7, 0.5, 6.86N, 0.75, 72.89W, 0.05, h174km, 5km, n29, c1519/44, mb3.4/5, 7C-1D, Northern Colombia

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like Capacho, El Rosal, Santa Domingo, etc.

GUC 17 18:29:08.9, 0.0, 33.35S, 69.84W, h3km, mb4.2/1, ML3.7(GUC), ML3.7

NEIC 17 18:29:08.9, 33.35S, 69.84W, h3km, mb4.2/1, ML3.7(GUC), After GUC

ISC 17 18:29:12.8, 1.1, 33.24S, 69.10W, mb4.0/5, mb1 4.1/9, mb1 mx3.9/17, mb1 mx3.9/17, ML4.0/3, MS3.5/1, Ms1 3.5/1, ms1 mx3.1/18, Error ellipse: s-maj=32.9km s-min=22.2km az=94.0

ISC 17 18:29:07.8, 0.7, 33.33S, 0.02, 69.75W, 0.03, h3km, 4km, n50, c100/70, mb4.0/7, 14C-9D, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like Farellones, Melos, Cerro Calan, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like Paso Flores, Torquist, Limon Verde, etc.

JMA 17 18:55:24.7, 0.5, 24.28N, 121.94E, h28km, M3.1

TAP 17 18:55:24.2, 24.80N, 122.00E, h4km, ML3.8, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like Yonaguni jima, Hateruma-Funau, etc.

ISC 17 19:04:30.4, 3.9, 0.85N, 97.10E, mb3.6/3, mb1 3.8/4, mb1 mx3.6/17, mb1 mx3.6/4, ML3.4/1, Error ellipse: s-maj=141.6km s-min=27.0km az=62.0, Northern Sumatara

ISC 17 19:04:30.4, 3.9, 0.85N, 97.10E, mb3.6/3, mb1 3.8/4, mb1 mx3.6/17, mb1 mx3.6/4, ML3.4/1, Error ellipse: s-maj=141.6km s-min=27.0km az=62.0, Northern Sumatara

ISC 17 19:39:21.9, 1.1, 19.43S, 178.26W, mb3.4/3, mb1 3.7/3, mb1 mx3.6/15, mb1 mx3.6/15, mb1 mx3.6/15, Error ellipse: s-maj=309.9km s-min=37.6km az=145.0, Fiji Islands region

ISC 17 19:51:56.2, 2.1, 1.76S, 99.78E, mb3.7/5, mb1 4.0/5, mb1 mx3.7/16, mb1 mx3.7/5, Error ellipse: s-maj=103.5km s-min=20.0km az=54.0, Southern Sumatara

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 19:57:31.4, 3.4, 2.22N, 134.11E, h100km, 32km, mb3.6/6, mb1 3.7/7, mb1 mx3.4/24, mb1 mx3.4/24, mb1 mx3.4/24, Error ellipse: s-maj=14.9km s-min=1.4km az=92.0

ISC 17 20:02:33.7, 2.0, 43.51N, 105.29W, mb4.5/1, mb1 3.8/4, mb1 mx3.5/21, mb1 mx3.5/21, mb1 mx3.5/21, Error ellipse: s-maj=45.8km s-min=9.2km az=152.0

NEIC 17 20:02:33.7, 2.0, 43.51N, 105.29W, ML3.0, Error ellipse: s-maj=8.9km s-min=7.1km az=129.0, Suspected Mining explosion.

NEIC 85 km [55 miles] SSE of Gillette. ISC 17 20:02:32.5, 0.6, 43.58N, 0.06, 105.21W, 0.07, n27, c1537/26, Wyoming

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like Black Hills, Pilot Hill, Rawlins, etc.

TIF 17 20:04:19.3, 39.41N, 40.80E, h15km, 1km

ISC 17 20:04:20.0, 39.41N, 40.79E, h12km, MD3.9, ML3.9

CSEM 17 20:04:20.6, 0.1, 39.37N, 40.82E, h15km, MD3.9, Error ellipse: s-maj=3.9km s-min=2.2km az=142.0

NEIC 17 20:04:21.9, 1.1, 39.36N, 40.88E, h10km, Error ellipse: s-maj=19.7km s-min=11.4km az=155.0

ISC 17 20:04:24.2, 2.0, 39.52N, 40.81E, mb3.5/2, mb1 3.5/5, mb1 mx3.2/0, mb1 mx3.2/0, mb1 mx3.2/0, Error ellipse: s-maj=30.8km s-min=21.4km az=108.0

ISC 17 20:04:27.0, 4.0, 39.44N, 0.03, 40.79E, 0.04, h10km, n32, c097/38, ML3.5/2, Turkey

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

ISC 17 20:08:59.1, 1.3, 13.59N, 142.56E, mb3.5/4, mb1 3.7/4, mb1 mx3.6/19, mb1 mx3.6/19, mb1 mx3.6/19, Error ellipse: s-maj=109.9km s-min=26.2km az=103.0, South of Mariana Islands

ISC 17 20:12:16.7, 0.5, 6.53N, 85.96W, h10km, mb4.4/4, MD3.3(CASO), Error ellipse: s-maj=9.2km s-min=7.1km az=100.0

ISC 17 20:12:16.0, 0.6, 6.44N, 0.04, 85.87W, 0.04, h10km, n66, c113/69, mb3.5/4, 13, MS3.5, 8C-1D, Off coast of central America

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like Cerro Adams, Jicaral, etc.















Table with columns: Code, Station Name, Phase ID, Time, Res, ISC. Includes stations like ANMO Albuquerque, CBKS Cedar Bluff, LSCAT Lakeside, etc.

Table with columns: Code, Station Name, Phase ID, Time, Res, ISC. Includes stations like RC01 Rabbit Creek A, RC01 Fire Island, SKLM Skilak Lake, etc.

Table with columns: Code, Station Name, Phase ID, Time, Res, ISC. Includes stations like SNOW Snow King Mount, ELKO Elko, NVAR Minn Aray, etc.

Code Station Name Phase ID Time Res ISC



17d 21h

Table with columns for station name, frequency, power, and other technical details. Includes stations like Beijing, Bishkek, Dalian, Karatay Array, etc.

2005 APR

Table with columns for station name, frequency, power, and other technical details. Includes stations like KIV, GOF, ASF, MALT, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like SMOL, MORC, ZST, etc.





Table with columns: ECOG, Codigo, Frecuencia, Modulo, Fase, Pn, S, Time, Res, h, m, s, ISC. Includes stations like Cogollos-Vega, Etsaut, Melles, Esparros, Labassere, Cripan, La Jonquera, Adamuz, Luque, Ste Jean, Agron, Ensh, Zalesovo, etc.

Table with columns: EARI, Arriondas, Frecuencia, Modulo, Fase, Pn, S, Time, Res, h, m, s, ISC. Includes stations like Arriondas, Calabor, Calviac, Lobios, Rejaudoux, El Granado, Simiane la Rot, La Moure, La Foret Royal, etc.

Table with columns: KSH, comp=N, 140nm, 0.4s, Smax, P, Pn, Time, Res, h, m, s, ISC. Includes stations like KSH, ULHL, KZA, TKM2, UCH, KBK, AAK, CHMS, AML, EKS2, USP, KK31, etc.

IDC 17 23:43:52.8;2.1, 18.25x175.81E, mb4.0/6, mb1 4.3/6, mb1mx4.1/1.5, mbtmp4.0/6, MS3.5/4, MS1 3.5/4, ms1mx3.1/29, Error ellipse: s-maj=115.5km s-min=27.0km az=155.0

NEIC 17 23:21:25.5;0.4, 10.78N-92.04E, h30km, mb4.7/4, Error ellipse: s-maj=11.5km s-min=7.3km az=59.0

NIED 17 23:48:00.29.60N, 130.70E, h23km, Mw4.3 Best double couple: Ms3.08x10^15 NP1=39, delta=3, lambda=110, NP2=149, delta=1, lambda=1

Table with columns: Code, Station Name, A, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAR, ROSC, SDV, SDV, SIV, YKA, WRA, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like COGOLLOS-Vega, ETOB Tobarra, ERON Agron, etc.

NIED 18 01:33:00, 32.00N, 141.80E, h5km, Mw4.1 Best double couple: Mo 1.62x10^15 NP1.80, 852, 1.04, NP2: 6.337, 840, 1.72.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Mitsune, Hachijo jima 2, Boso 1, Boso 3, etc.

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

MAN 18 03:09:12.3, 17.05N, 121.68E, h13km, mb4.4, ML3.2, MS3.0, 3D, Luzon





Table with columns: YKA, ILAR, Yellowknife Ar, Eielson Array, 44.01 356 P, 52.68 341 P, 05 42 59.7 -0.1, 05 44 08.0 +1.1, 06 07 19.5

INMAG 18 05:35:16.3:0.9,36.67N:7.35W,h28km:10km,ML2.1, Error ellipse: s-maj=4.9km s-min=4.1km az=20.0

NEIC 18 05:35:16.7,36.76N:7.24W,h21km,MN2.7(MDD),After MDD.

MDD 18 05:35:16.2:1.2,36.68N:7.33W,h40km:24km,mb4.0/7, 1C-5D, Error ellipse: s-maj=11.5km s-min=6.4km az=27.0,PRXIMO, Strait of Gibraltar

Main station list table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC

NEIC 18 05:37:35.3,38.96S:175.14E,h213km, MG4.0(WEL), After WEL

WEL 18 05:37:35.2:0.2,38.94S:175.16E,h213km:1km,ML3.9/6, 2C, Error ellipse: s-maj=3.0km s-min=2.7km az=90.0, North Island

Main station list table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC

Main station list table with columns: URZ, MRZ, Mangatainoka R, Mangatainoka R, 1.75 169 IP, 1.75 169 IP, 05 38 36.2 -4.1, 05 38 12.1 -0.6

NIED 18 05:54:00.35,70N:140.80E,h53km,Mw3.9 Best double couple: Mw7.3x1014 NP1.9x25, 869, 9.92, NP2.9x200, 821, 1.86

JMA 18 05:54:13.4:0.1,35.73N:140.70E,h51km:1km,M3.2 JMA Felt J1

ISC 18 05:54:13.3:0.3,35.75N:140.04E,140.74E,0.07,h52km:5km, n16, c064/22, mb3.5/4, 2C-3D, Near east coast of eastern Honshu

Main station list table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC

ISC 18 05:59:58.0:3.4,30.59S:138.11E,mb1 3.5/4, mb1mx3.4/13, mbtmp3.2/4, ML2.8/4, Error ellipse: s-maj=80.3km s-min=15.2km az=38.0, South Australia

Main station list table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC

ISC 18 06:06:14.9:2.5,5.16N:93.02E,mb3.9/4,mb1 4.1/5, mb1mx3.7/21, mbtmp3.8/5, ML4.1/1, Error ellipse: s-maj=93.3km s-min=27.5km az=57.0, Off west coast of northern Sumatra

Main station list table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC

NEIC 18 06:16:09.6,39.51S:179.60E,h33km,ML3.7(WEL), After WEL

WEL 18 06:16:09.8:0.5,39.51S:179.56E,h33km,ML3.7/22, Error ellipse: s-maj=4.6km s-min=2.3km az=90.0, Off east coast of North Island

Main station list table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC

Main station list table with columns: BFZ, BFZ, Birch Farm, Birch Farm, 2.80 244 P, 2.80 244 PN, 06 16 50.9 -2.4, 06 16 50.9 -2.5

DJA 18 06:30:25.2:0.9,9.47S:116.14E,h15km,MD4.8/2, ML4.1/2, 2C-4D, Error ellipse: s-maj=19.8km s-min=12.0km az=138.0, Sumbawa region

Main station list table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC

ISC 18 06:40:55.9:2.6,1.83N:97.48E,mb3.8/5,mb1 4.0/6, mb1mx3.8/20, mbtmp3.8/6, Error ellipse: s-maj=119.2km s-min=20.3km az=56.0

NEIC 18 06:41:00.7:0.9,1.92N:97.62E,h30km,mb4.0/1, Error ellipse: s-maj=23.9km s-min=11.7km az=66.0

ISC 18 06:40:58.5:1.1,1.9N:0.1,97.6E:0.2,h30km,n8, c05/57/8, mb3.9/6, Northern Sumatra

Main station list table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC

MOS 18 06:42:46.8:1.4,45.93N:1.42W,h10km,mb5.2/2, Error ellipse: s-maj=5.4km s-min=4.5km az=53.8

ISC 18 06:42:48.3:1.9,45.90N:1.49W,h10km,mb3.9/2,mb1 4.1/5, mb1mx3.6/24, mbtmp3.9/5, ML4.2/3, MS3.3/2, Ms1 3.3/2, ms1mx2.6/31, Error ellipse: s-maj=31.2km s-min=17.6km az=137.0

STR 18 06:42:49.8:0.3,45.91N:1.42W,h10km:1km,ML4.6, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

LDG 18 06:42:49.6:0.1,45.92N:1.42W,h3km,Md4.5/1,ML4.7/42, Error ellipse: s-maj=1.7km s-min=1.1km az=132.0

MDD 18 06:42:49.7:0.5,45.92N:1.42W,h9km:3km,mbL4.0/7, Error ellipse: s-maj=3.4km s-min=2.6km az=120.0, PRXIMO

CSEM 18 06:42:50.7,45.93N:1.31W,h10km,ML4.7 ZSEM\_RM 18 06:42:50.45,93N:1.31W,h12km,Mw3.8/32, Moment Tensor Solution, s32 Moment tensor: Scale 1014Nm; Mo:0.19; Mw:0.48; Ms:0.29; Mn:2.27; Mw:5.02; Mw:1.32; Best double couple: M:5.64x1014 NP1.9x20, 880, 1.156, NP2.9x185, 867, 1.11, P:6.9, Principal axes: T:6.92, Plg23, Azm45; N:-775, Plg65; Azm249; P:-5.251, Plg9, Azm139

NEIC 18 06:42:50.7,45.93N:1.31W,h10km,mb5.2/2, ML4.7(GSEM),ML4.7(LDG),ML4.5(STR), After CSEM.

NEIC Felt in the Ile d'Oleron-La Rochelle-Rochefort area. INMAG 18 06:42:51.4:1.9,45.88N:1.46W,h28km:11km,ML3.2, Error ellipse: s-maj=4.2km s-min=2.6km az=97.0

ISC 18 06:42:48.2:0.3,45.88N:1.45W,h28km:4km, h15km:2km:pp-P,n266, c1f33/503,mb4.2/6,MS3.5/2,1C, France

Main station list table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC



RJF	1µm,0.3s	eSg	Sn	06 43 55.0 +3.8	EPF	988nm,0.4s	Pn	06 43 38.3 +0.9	EPOB	22nm,0.2s,SNR=17	Sn	Sn	06 44 56.3 -2.7			
QUIF	Quistinic	2.32 332	ePn	Pn	06 43 28.2 +2.6	EPF	Esparros	3.15 154	Pn	06 43 47.3 +1.0	ERTA	74nm,0.7s,SNR=6.4	Sn	06 44 06.0 +0.9		
QUIF	457nm,0.2s	ePn	Pn	06 43 32.2 +6.6	EPF	Petit Puy Mans	3.19 91	Pn	06 44 29.0	ERTA	Horta de San J	5.11 164	Pn	06 44 23.3 +1.9		
QUIF	Quistinic	2.32 332	Pn	Sn	06 43 27.8 +2.2	HYF	Humblyny	3.21 63	ePn	06 43 38.0 -0.2	ERTA	Horta de San J	5.11 164	Pn	06 45 02.5 -1.5	
QUIF	Quistinic	2.32 332	Pn	Pn	06 43 27.8 +2.2	HYF	Horta de San J	5.11 164	Pn	06 44 49.8 +2.7	ERTA	Horta de San J	5.11 164	Pn	06 45 31.5	
QUIF	159nm,0.3s	ePn	Pn	06 43 32.2 +6.6	HYF	Saint Agoulin	3.27 85	Pn	06 44 27.8 +1.2	ERTA	4.0nm,0.2s,SNR=5.7	Pg	Pn	06 44 23.6 +1.9		
QUIF	159nm,0.3s	ePn	Pn	06 43 32.2 +6.6	HYF	Cripan	3.34 192	P	06 43 39.8 +0.7	ERTA	14nm,0.3s,SNR=6.9	Pg	Sn	06 45 01.4 -2.6		
QUIF	Quistinic	2.32 332	ePn	Pn	06 43 32.2 +6.6	ECRI	Cripan	3.34 192	Pn	06 44 20.5	ERTA	31nm,0.3s,SNR=5.6	Sn	06 45 01.4 -2.6		
QUIF	228nm,0.2s	eSg	Sn	06 44 01.5 +7.9	ECRI	Cripan	3.34 192	Pn	06 43 42.0 +1.9	ERTA	95nm,0.4s,SNR=4.0	Lg	Sn	06 45 33.9		
SGMF	Saint Gilles	2.48 344	ePn	Pn	06 43 29.0 +1.2	ECRI	Cripan	3.34 192	Pn	06 44 20.5 +1.2	ERTA	Horta de San J	5.11 164	Pn	06 44 06.0 +0.9	
SGMF	2.48 344	ePn	Pn	06 43 35.2 +7.4	ECRI	Cripan	3.34 192	Pn	06 44 33.9	ERTA	4.0nm,0.2s,SNR=5.7	Pg	Pn	06 44 23.6 +1.8		
SGMF	2.48 344	ePn	Pn	06 44 04.8 +7.2	ECRI	Cripan	3.34 192	Pn	06 43 42.0 +1.9	ERTA	14nm,0.3s,SNR=6.9	Sn	Sn	06 45 02.5 -1.5		
SGMF	2.48 344	ePn	Pn	06 43 29.3 +1.5	ECRI	48nm,0.5s,SNR=13	Pg	Sn	06 44 20.5 +1.2	MEZF	Maizieres J'vi	5.21 57	ePn	Pn	06 44 04.5 -2.1	
GRR	Gorron	2.56 10	ePn	Pn	06 43 29.3 +0.3	ECRI	44nm,0.3s,SNR=5.7	Sn	06 43 51.6 +1.1	MEZF	baz=260	ePn	Pn	06 44 24.1 +1.7		
GRR	Gorron	2.56 10	ePn	Pn	06 43 35.2 +6.2	RESF	Bielsa	3.35 155	Pg	06 43 42.2 +1.1	MEZF	396nm,0.7s	ePn	Pn	06 45 00.4 -6.2	
GRR	Gorron	2.56 10	ePn	Pn	06 44 05.4 +5.8	EBIE	Bielsa	3.41 159	Pn	06 43 52.5 +1.1	MEZF	Maizieres J'vi	5.21 57	Pn	06 45 27.7 +2.1	
GRR	Gorron	2.56 10	Pn	Pn	06 43 29.3 +0.3	EBIE	Bielsa	3.41 159	Pn	06 44 21.4 +0.2	MEZF	396nm,0.7s	Pn	Pn	06 44 04.9 -1.7	
GRR	Gorron	2.56 10	Pn	Pn	06 43 56.9 -2.7	EBIE	Bielsa	3.41 159	Pn	06 44 21.4 +0.2	MEZF	Maizieres J'vi	5.21 57	Pn	06 44 24.9 +1.8	
GRR	Gorron	2.56 10	Pn	Pn	06 43 29.3 +0.3	EBIE	8.6nm,0.2s,SNR=28	Pg	06 43 42.6 +1.2	ORIF	Oris-en-Rattie	5.32 98	ePn	Pn	06 44 08.3 +0.1	
GRR	Gorron	2.56 10	Pn	Pn	06 43 35.2 +6.2	EBIE	53nm,0.2s,SNR=22	Sn	06 43 37.1 +1.5	ORIF	31nm,0.3s,SNR=5.6	eSg	Sn	06 45 03.1 -6.3		
GRR	Gorron	2.56 10	ePn	Pn	06 43 56.9 -2.7	EBIE	88nm,0.2s,SNR=6.2	Sn	06 44 21.4 +0.2	ORIF	434nm,1.0s	eSg	Sn	06 45 33.5 +2.4		
GRR	Gorron	2.56 10	eSg	Sn	06 44 05.4 +5.8	EBIE	206nm,0.3s,SNR=5.8	Lg	06 44 40.1	ERUA	La Rua	5.32 231	Pn	Pn	06 44 09.6 +1.4	
OSSF	2.63 175	Pn	Pn	06 43 31.8 +1.8	EBIE	8.6nm,0.2s,SNR=28	Pg	06 43 42.2 +1.1	ERUA	La Rua	5.32 231	Pn	Pn	06 45 07.3 -2.1		
TCF	Touls Ste Croi	2.65 80	ePn	Pn	06 43 30.1 -0.2	EBIE	53nm,0.2s,SNR=22	Pg	06 43 52.5 +1.1	ERUA	35nm,0.1s,SNR=2.0	Sn	Sn	06 45 08.2 -1.2		
TCF	Touls Ste Croi	2.65 80	ePn	Pn	06 43 37.1 +6.8	EBIE	53nm,0.2s,SNR=22	Sn	06 44 21.4 +0.2	ERUA	22nm,0.2s,SNR=5.8	Sn	Sn	06 45 08.2 -1.2		
TCF	Touls Ste Croi	2.65 80	eSg	Sn	06 44 08.6 +6.7	EBIE	88nm,0.2s,SNR=6.2	Sn	06 44 21.4 +0.2	ERUA	35nm,0.1s,SNR=2.0	Pn	Pn	06 44 09.6 +1.4		
TCF	949nm,0.2s	eSg	Sn	06 43 30.3 0.0	MELF	Melhes	3.43 150	Pn	06 43 41.5 +0.1	ERUA	22nm,0.2s,SNR=5.0	Sn	Sn	06 45 07.3 -2.1		
TCF	Touls Ste Croi	2.65 80	Pn	06 43 57.4 -4.5	MELF	Melhes	3.43 150	Pn	06 43 52.8 +1.1	CABF	La Chapelle	5.35 79	ePn	Pn	06 44 06.7 -1.9	
TCF	Touls Ste Croi	2.65 80	Lg	06 44 06.9	LBL	Lubilhac	3.43 99	Pn	06 43 42.6 +1.2	CABF	396nm,0.7s	ePn	Pn	06 44 28.4 +2.0		
TCF	Touls Ste Croi	2.65 80	ePn	Pn	06 43 37.1 +6.8	MLS	Moulis	3.48 146	Pn	06 43 37.1 +6.8	CABF	La Chapelle	5.32 98	ePn	Pn	06 45 04.0 -5.9
TCF	Touls Ste Croi	2.65 80	eSg	Sn	06 43 57.4 -4.5	MLS	Moulis	3.48 146	Pn	06 43 53.3 +1.1	CABF	396nm,0.7s	eSg	Sn	06 45 33.0 +2.3	
TCF	Touls Ste Croi	2.65 80	eSg	Sn	06 44 08.6 +6.7	AVF	Avril sur Loir	3.52 73	ePn	06 43 41.4 -1.2	CABF	725nm,0.7s	Pn	Pn	06 44 07.4 -1.2	
TCF	Touls Ste Croi	2.65 80	eSg	Sn	06 43 32.5 +2.1	AVF	Avril sur Loir	3.52 73	ePn	06 43 52.3 +1.0	CABF	La Chapelle	5.35 79	Pn	Sn	06 45 01.1 -9.0
TCF	Touls Ste Croi	2.65 80	Pn	06 43 39.8 +9.4	AVF	Avril sur Loir	3.52 73	ePn	06 44 18.1 -5.8	CABF	396nm,0.7s	Lg	Sn	06 45 34.2		
TCF	Touls Ste Croi	2.65 80	Pn	06 44 02.7 +0.6	AVF	Avril sur Loir	3.52 73	ePn	06 44 39.9 +1.1	CABF	La Chapelle	5.35 79	Pn	Pn	06 44 06.7 -1.9	
TCF	Touls Ste Croi	2.65 80	Lg	06 44 14.5	AVF	Avril sur Loir	3.52 73	Pn	06 43 41.8 -0.8	CABF	396nm,0.7s	Pn	Pn	06 45 04.2 -5.8		
TCF	Touls Ste Croi	2.65 80	Pn	06 43 32.5 +1.8	PLDF	La Plantade	3.61 87	Pn	06 43 44.3 +0.3	CABF	La Chapelle	5.35 79	Pn	Pn	06 44 07.4 -1.2	
TCF	Touls Ste Croi	2.65 80	Pn	06 43 39.8 +9.4	EAR1	Arriodas	3.67 227	Pn	06 43 46.3 +1.5	CABF	La Chapelle	5.35 79	ePn	Pn	06 44 28.4 +2.0	
TCF	Touls Ste Croi	2.65 80	Pn	06 44 03.5 +1.4	EAR1	Arriodas	3.67 227	Pn	06 44 27.7 0.0	CABF	La Chapelle	5.35 79	ePn	Pn	06 45 01.1 -9.0	
TCF	Touls Ste Croi	2.65 80	Lg	06 44 15.8	EAR1	Arriodas	3.67 227	Pn	06 43 46.3 +1.5	CABF	La Chapelle	5.35 79	eSg	Sn	06 45 33.0 +2.3	
TCF	Touls Ste Croi	2.65 80	Pn	06 43 32.5 +2.1	EAR1	18nm,0.1s,SNR=9.8	Pn	06 44 28.6 +0.9	SMRF	Simiane la Rot	5.40 108	ePn	Pn	06 44 08.4 -1.0		
TCF	Touls Ste Croi	2.65 80	Pn	06 43 39.8 +9.4	EAR1	12nm,0.2s,SNR=6.1	Pn	06 43 46.3 +1.5	SMRF	Simiane la Rot	5.40 108	ePn	Pn	06 44 29.7 +2.0		
TCF	Touls Ste Croi	2.65 80	Lg	06 44 17.6	EAR1	18nm,0.1s,SNR=9.8	Pn	06 44 27.7 0.0	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 44 30.0 +2.1		
TCF	Touls Ste Croi	2.65 80	Pn	06 43 32.5 +2.1	SALF	Salau	3.68 147	Pn	06 43 45.5 +0.5	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 45 34.2	
TCF	Touls Ste Croi	2.65 80	Pn	06 43 39.8 +9.4	SALF	Saint Saule	3.69 69	ePn	06 43 57.7 -1.2	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 44 09.4 0.0	
TCF	Touls Ste Croi	2.65 80	Pn	06 44 02.7 +0.6	SSF	Saint Saule	3.69 69	ePn	06 44 33.7 -1.4	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 45 34.2	
TCF	Touls Ste Croi	2.65 80	Pn	06 43 41.0 +1.0	SSF	Saint Saule	3.69 69	ePn	06 43 55.5 +1.0	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 44 10.5 +0.8	
TCF	Touls Ste Croi	2.65 80	Pn	06 43 33.2 +2.0	SSF	Saint Saule	3.69 69	ePn	06 44 24.2 -4.0	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 45 09.2 -3.0	
TCF	Touls Ste Croi	2.65 80	Pn	06 43 40.5 +9.3	SSF	Saint Saule	3.69 69	ePn	06 44 39.4 +1.1	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 44 10.5 +0.8	
TCF	Touls Ste Croi	2.65 80	Pn	06 44 16.2	SSF	Saint Saule	3.69 69	ePn	06 43 43.8 -1.3	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 45 10.8 -1.3	
TCF	Touls Ste Croi	2.65 80	Pn	06 43 33.2 +2.0	COLF	Collangettes	3.69 94	Pn	06 43 44.8 -0.3	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 44 10.5 +0.8	
TCF	Touls Ste Croi	2.65 80	Pn	06 43 40.5 +9.3	COLF	Collangettes	3.69 94	Pn	06 43 45.5 +0.3	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 45 09.2 -3.0	
TCF	Touls Ste Croi	2.65 80	Pn	06 43 33.2 +2.0	MTLF	Montlieu	3.70 132	ePn	06 43 56.9 +1.2	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 44 08.7 -2.3	
TCF	Touls Ste Croi	2.65 80	Pn	06 44 05.6 +2.1	MTLF	Montlieu	3.70 132	ePn	06 44 25.4 -3.0	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 45 09.2 -3.0	
TCF	Touls Ste Croi	2.65 80	Lg	06 44 17.6	MTLF	Montlieu	3.70 132	ePn	06 44 44.6 +1.6	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 44 08.7 -2.3	
TCF	Touls Ste Croi	2.65 80	Pn	06 43 31.9 +0.6	MTLF	Montlieu	3.70 132	Pn	06 43 45.8 +0.6	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 45 31.5 +2.1	
TCF	Touls Ste Croi	2.65 80	Pn	06 43 38.9 +7.0	SMF	Signal de Mont	3.82 76	ePn	06 43 45.5 -1.3	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 45 08.3 -6.1	
TCF	Touls Ste Croi	2.65 80	Pn	06 44 10.1 +6.4	SMF	Signal de Mont	3.82 76	ePn	06 43 58.1 +1.1	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 45 38.0 +2.4	
TCF	Touls Ste Croi	2.65 80	Pn	06 43 32.3 +1.0	SMF	Signal de Mont	3.82 76	Pn	06 44 45.5 +1.4	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 44 08.7 -2.3	
TCF	Touls Ste Croi	2.65 80	Pn	06 44 00.4 -3.3	SMF	Signal de Mont	3.82 76	Pn	06 43 45.8 -1.1	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 45 08.3 -6.1	
TCF	Touls Ste Croi	2.65 80	Pn	06 44 11.4	SMF	Signal de Mont	3.82 76	Pn	06 44 25.9 -5.6	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 44 12.1 +0.9	
TCF	Touls Ste Croi	2.65 80	Pn	06 43 31.9 +0.6	SMF	Signal de Mont	3.82 76	Pn	06 44 44.5 -1.3	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 45 13.0 -1.8	
TCF	Touls Ste Croi	2.65 80	Pn	06 43 38.3 +7.0	SMF	Signal de Mont	3.82 76	Pn	06 43 45.6 -1.3	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 44 12.1 +0.9	
TCF	Touls Ste Croi	2.65 80	Pn	06 44 00.4 -3.3	SMF	Signal de Mont	3.82 76	Pn	06 43 58.1 +1.1	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 45 32.2 -2.1	
TCF	Touls Ste Croi	2.65 80	Pn	06 43 38.3 +7.0	SMF	Signal de Mont	3.82 76	ePn	06 44 25.9 -5.6	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 45 12.6 -3.0	
TCF	Touls Ste Croi	2.65 80	Pn	06 44 00.4 -3.3	SMF	Signal de Mont	3.82 76	ePn	06 44 45.5 -1.4	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 45 40.4	
TCF	Touls Ste Croi	2.65 80	Pn	06 44 10.1 +6.4	SMF	Signal de Mont	3.82 76	ePn	06 44 45.5 -1.4	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 44 12.4 +0.8	
TCF	Touls Ste Croi	2.65 80	Pn	06 43 33.3 +1.9	SMF	Signal de Mont	3.82 76	ePn	06 43 51.7 +0.7	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 44 32.2 +1.0	
TCF	Touls Ste Croi	2.65 80	Pn	06 43 40.1 +8.7	SMF	Signal de Mont	3.82 76	ePn	06 43 51.7 +0.7	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 45 12.6 -3.0	
TCF	Touls Ste Croi	2.65 80	Pn	06 44 14.5 +1.1	SMF	Signal de Mont	3.82 76	ePn	06 43 53.8 +1.1	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 44 12.4 +0.8	
TCF	Touls Ste Croi	2.65 80	Pn	06 43 33.8 +2.4	SMF	Signal de Mont	3.82 76	Pn	06 44 08.0 +1.5	SMRF	Simiane la Rot	5.40 108	Pn	Pn	06 45 12.6 -2.9	
TCF	Touls Ste Croi	2.65 80	Pn	06 44 03.9 0.0	SMF	Signal de Mont	3.82 76	Pn	06 44 08.0 +1.5	SMRF	Simiane la Rot	5.40				

Table with columns: Code, Station Name, Az, El, SNR, and other parameters. Includes stations like HINP Hinteralfeld, ELOB Lobios, MOF Molkenrain, etc.

Table with columns: Code, Station Name, Az, El, SNR, and other parameters. Includes stations like PGF Pioggiola, DCF Croghan, EMIN Mina Concepcio, etc.

Table with columns: Code, Station Name, Az, El, SNR, and other parameters. Includes stations like LRYF Chize, LCHF La Chataignera, Saint Martin d, etc.

CSEM 18 06:49:06.6:0.1, 45.90N, 1.46W, h5km, ML2.9/25, Error ellipse: s-maj=1.1km s-min=0.9km az=88.0 STR 18 06:49:07.3:0.4, 45.94N, 1.39W, h10km, m3, ML2.8, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0 NEIC 18 06:49:07.1, 45.93N, 1.43W, h3km, ML3.1 (STR), ML2.9(LDG), After LDG. MDD 18 06:49:07.4:0.5, 45.92N, 1.44W, h10km, mbLg2.2/10, Error ellipse: s-maj=5.1km s-min=3.3km az=92.0, PRXIMO LDG 18 06:49:07.1:0.1, 45.93N, 1.43W, h3km, Md3.02, Ml2.9/22, Error ellipse: s-maj=1.4km s-min=1.1km az=95.0, France

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EBIE, EBIE Bielsa, EBIE Bielsa, EBIE Saint Sauveur, etc.

CSEM 18 06:54:48.8:0.1, 45.93N, 1.40W, h5km, ML3.4/24, Error ellipse: s-maj=1.4km s-min=1.2km az=104.0

NEIC 18 06:54:49.1, 45.96N, 1.38W, h3km, ML3.3(LDG), After LDG

MDD 18 06:54:49.5:0.4, 45.94N, 1.37W, h1km, mbL2.6/21, Error ellipse: s-maj=3.8km s-min=3.0km az=98.0, PRXIMO

STR 18 06:54:50.2:0.9, 45.94N, 1.34W, h5km, 1km, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

LDG 18 06:54:49.1:0.1, 45.96N, 1.38W, h3km, Md2.9/2, M13.3/24, Error ellipse: s-maj=2.0km s-min=1.6km az=96.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LRYF, CHIF, LCHF, MFF, etc.

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

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

















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Table with columns: GRF, Station Name, Time, Res, etc. Includes stations like Grafenberg Arr, NORARS Subarra, etc.

IDC 18 13:47:12.6, 12.0, 12.61S, 167.33E, h181km, 112km, mb3.7, mb1 3.8, 7, mb1mx3.5/18, mbtmp4.17, Error ellipse: s-maj=83.6km s-min=43.7km az=147.0

NEIC 18 13:47:15.4, 0.8, 12.44S, 167.10E, h200km, mb3.8/2, Error ellipse: s-maj=30.0km s-min=15.4km az=143.0

ISC 18 13:47:14.1, 0.9, 12.55, 101.167, 1E, 0.1, h200km, n14, o#92/12, mb3.8/9, Santa Cruz Islands

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like Charters Tower, BKZ, TSZ, etc.

NEIC 18 13:56:48.4, 35.08S, 70.44W, h3km, ML3.3(GUC), After GUC.

GUC 18 13:56:48.4, 1.1, 35.08S, 70.44W, h3km, ML3.3, 5C-2D, Chile-Argentina border region

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like NICH, SFDO, CICH, etc.

MOS 18 14:12:20.0, 1.2, 19.04N, 121.46E, h33km, mb5.0/18, Error ellipse: s-maj=18.6km s-min=8.8km az=112.4

IDC 18 14:12:21.1, 6.6, 19.06N, 121.26E, h25km, 43km, mb4.2/28, mb1 4.4/29, mb1mx4.4/31, mbtmp4.2/9, ML4.6/1, MS4.5/32, Ms1 4.6/32, ms1mx4.4/40, Error ellipse: s-maj=15.9km s-min=10.6km az=73.0

NEIC 18 14:12:21.3, 0.2, 19.06N, 121.36E, mb4.8/31, MS4.4/6, Error ellipse: s-maj=6.1km s-min=4.2km az=95.0

NEIC Felt (III PIVS) at Aparri and (II PIVS) at Pasuquin and Santo Domingo, Luzon.

MAN 18 14:12:23.2, 19.15N, 121.17E, h18km, mb5.3, ML4.2, MS4.4

MAN Intensity III Aparri Cagayan Intensity II - Pasuquin Ilocos Norte Intensity II - Sto Domingo Ilocos Sur 2005

0418143337.44 10.353 125.828 52 133.0 4.2 2.7 0.49 .013 .018 2.66

BUI 18 14:12:26.3, 19.67N, 120.95E, h25km, mb5.0, mb4.5, ML4.1, Ms4.7, Msz4.5

ISC 18 14:12:21.2, 0.2, 19.29N, 102.21, 121.26E, 0.04, h27km, h27km, 1.2km, pp-P, n215, s16/26/215, mb4.6/80, MS4.5/54, 11C-5D, Philippine Islands

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like SGCP, BBS, APVP, etc.

2005 APR

Main table with columns: NBP, VQPH, NINGANCIAO, etc. Includes stations like Mount Natib, Ninganchiao, Los Banos, etc.

18d 14h

Table with columns: BJI, BJI, BJI, etc. Includes stations like Beijing, Hachiojima, Nongjiab, etc.

18d 14h

Table of astronomical observations for 18d 14h, listing stations like ZAK, GKN, TLY, etc., and their corresponding data points.

2005 APR

Main table of astronomical observations for 2005 APR, listing stations like DZM, TNA, GNI, etc., and their corresponding data points.

736

Table of astronomical observations for 736, listing stations like YKA, YKA, DAVOS, etc., and their corresponding data points.

ADC 18 14:23:04.0t 1.1, 19.07N-121.33E, mb3.3/6, mb1 3.5/6, mb1mx3.5/20, mbtmp3.4/6, Error ellipse: s-maj=43.3km s-min=20.9km az=63.0

ISC 18 14:23:11.8t 1.8, 19.0N, 0.2t-121.1E, 0.2, h76km, 19km, n7, c1818h, mb3.1/6, 1D, Phlox Islands region

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

ADC 18 14:33:05.0t 1.4, 12.40N-123.51E, mb3.4/4, mb1 3.6/4, mb1mx3.4/20, mbtmp3.4/4, Error ellipse: s-maj=63.4km s-min=21.6km az=62.0, Luzon

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



Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Phase ID, Time, Res. Includes entries for CMAR Chiang Mai Arr, WRA Warramunga Arr, ASAR Alice Springs, SONM Songino Array.

MAN 18 14:55:36.7, 14.31N, 124.89E, h35km, mb4.2, ML3.0, MS2.9
IDC 18 14:55:37.2-3, 13.70N-124.21E, mb3.7/5, mbl 3.9/5, m1mx3.6/21, mbtmp3.7/5, Error ellipse: s-maj=87.3km s-min=21.8km az=56.0

ISC 18 14:55:38.3-1.3, 14.21N-10.06, 124.81E-0.08, h35km, 13km, n17, c1923/23, mb3.6/5, 1C-1D, Luzon

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Phase ID, Time, Res. Includes entries for PVCP Virac, CNP Catarman, MPMH Masbate, AUPQ San Andres, etc.

IDC 18 15:06:27.4-1.6, 2.20N-96.57E, mb4.1/7, mbl 4.1/8, mb1mx3.9/22, mbtmp4.0/8, ML3.5/1, Error ellipse: s-maj=63.0km s-min=27.4km az=56.0

NEIC 18 14:56:32.0-0.8, 2.21N-96.61E, h30km, mb4.2/1, Error ellipse: s-maj=15.8km s-min=12.8km az=219.0

ISC 18 14:56:29.9-1.1, 2.2N-10.1, 96.6E-0.1, h30km, n11, c049/11, mb4.1/8, Northern Sumatra

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Phase ID, Time, Res. Includes entries for KULM Kulim, CMAR Chiang Mai Arr, FITZ Fitzroy Crossi, etc.

IDC 18 15:04:42.0-1.4, 4.27N-92.53E, mb3.8/8, mbl 4.0/9, mb1mx3.8/22, mbtmp3.8/9, ML3.7/1, MS3.8/19, Ms1 3.8/19, ms1mx3.6/39, Error ellipse: s-maj=55.8km s-min=17.9km az=59.0

BUI 18 15:04:46.3, 4.30N-92.60E, h25km, mb5.0, mb4.3, Ms4.1, Ms2.8

NEIC 18 15:04:46.4-0.6, 4.33N-92.60E, h30km, mb4.3/7, Error ellipse: s-maj=12.6km s-min=8.6km az=35.0

ISC 18 15:04:44.1-0.6, 4.11N-10.07, 92.37E-0.07, h30km, (h32km, 4km-pP-P), n51, c1945/45, mb4.3/23, MS3.9/21, 1C-1D, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Phase ID, Time, Res. Includes entries for KULM Kulim, PALK Pallekele, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Phase ID, Time, Res. Includes entries for GYA comp=E,540nm,16.7s,MS4.4, ENH comp=Z,280nm,17.0s,MS3.9, etc.

NIED 18 15:17:00.21, 00.21N, 122.10E, h56km, Mw4.1 Best double couple: M1.83x10^15 NP1.0s 100°, d87°, l163°. NP2: 6.91°, 973°, 14°

BUI 18 15:17:18.2-2.1, 0.23N-121.90E, h94km, mb4.7, mb4.0, NEIC 18 15:17:19.6/0.8, 20.87N-121.94E, h116km, 7km, mb4.4/14, Error ellipse: s-maj=10.2km s-min=6.1km az=78.0

MAN 18 15:17:21.9, 2.08N-121.79E, h81km, mb4.9, ML3.8, MS3.8

JMA 18 15:17:21.3-0.3, 20.87N-122.13E, h128km, M3.5 IDC 18 15:17:22.0-2.2, 20.91N-122.01E, h139km, 21km, mb3.8/18, mbl 3.9/19, mb1mx3.9/24, mbtmp4.2/19, Error ellipse: s-maj=17.7km s-min=9.5km az=73.0

ISC 18 15:17:19.1-0.3, 20.92N-121.97E-0.06, h124km, 3km, n66, c097/76, mb4.2/30, 2C-4D, Philippine Islands region

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Phase ID, Time, Res. Includes entries for BBP Basco, SGCP Mt. Cagua, APYP Conner, etc.

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Phase ID, Time, Res. Includes entries for WRA Warramunga Arr, WBZ Warramunga Arr, ZAL Zaleso, etc.

IDC 18 15:26:57.3-1.3, 4.09N-92.62E, h30km, 7km, mb3.6/8, mbl 3.8/9, mb1mx3.7/21, mbtmp3.8/9, ML3.7/1, MS3.0/1, Ms1 3.2/1, ms1mx2.8/27, Error ellipse: s-maj=43.7km s-min=16.9km az=58.0

NEIC 18 15:26:57.4-0.7, 4.13N-92.67E, mb4.2/2, Error ellipse: s-maj=17.1km s-min=10.5km az=201.0

ISC 18 15:26:54.8-0.8, 4.12N-10.1, 92.66E-0.09, h28km, h29km, 1.7km-pP-P, n27, c1511/28, mb4.2/17, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Phase ID, Time, Res. Includes entries for KULM Kulim, CMAR Chiang Mai Arr, PALK Pallekele, etc.

IDC 18 15:32:18.3-7.4, 1.16N-99.08E, mb3.4/3, mbl 3.6/3, mb1mx3.4/19, mbtmp3.4/3, Error ellipse: s-maj=393.5km s-min=28.8km az=55.0, Northern Sumatra

Table with columns: Code, Station Name, Az, El, Azimuth, Elevation, Phase ID, Time, Res. Includes entries for WRA Warramunga Arr, ASAR Alice Springs, etc.

TEH 18 15:44:25.1, 40.00N-54.12E, h26km, Mn3.9

CSEM 18 15:44:25.3, 0.1, 39.89N-54.15E, h45km, ML3.9, Error ellipse: s-maj=2.5km s-min=2.3km az=133.0

MOS 18 15:44:25.6, 1.0, 40.01N-54.12E, h33km, mb3.8/1, Error ellipse: s-maj=17.2km s-min=14.8km az=80.5

NNC 18 15:44:39.6, 9.6, 40.53N-55.82E, h4km, 186km, Error ellipse: s-maj=215.8km s-min=57.1km az=52.0

ISC 18 15:44:24.3, 0.3, 39.85N-0.03, 54.12E, 0.05, h33km, n38, 0.1914/45, mb3.7/6, MS3.1/1, Turkmenistan

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various stations like GLOOH, SHIRAN, KIASAR, etc.

ISC 18 16:04:17.9, 55.0, 15.89S-176.43W, mb4.0/3, mb1 4.2/3, mb1mx3.7/1.5, mbtpm4.0/3, Error ellipse: s-maj=1029.0km s-min=159.6km az=77.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like STKA, WRA, ASAR.

ISC 18 16:12:51.5, 1.1, 4.13N-92.56E, h30km, 5km, mb3.7/10, mb1 3.9/11, mb1mx3.7/23, mbtpm3.9/11, ML3.6/1, MS2.9/1, MS1 3.1/1, ms1mx2.7/31, Error ellipse: s-maj=42.8km s-min=13.1km az=57.0

NEIC 18 16:12:51.6, 0.7, 4.21N-92.64E, mb4.1/2, Error ellipse: s-maj=18.2km s-min=10.0km az=51.0

ISC 18 16:12:50.8, 0.7, 4.28N-92.09, 92.91E, 0.08, h29km, h29km, 1.3km, pp-P, n24, 0.0592/25, mb4.2/19, Off west coast of northern Sumatara

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like KULM, CMAR, CHG, NANT, etc.

BRTR Keskin Array B 63.88 312 P P 16 23 19.1 -4.3

GERES GERES Array B 79.69 319 P P 16 24 56.9 -0.4

JMA 18 16:22:23.3, 0.2, 43.49N-147.57E, h11km, M3.7, Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like NEM2, NEM3, JRA, etc.

ISC 18 16:25:06.3, 1.6, 2.51S-127.23E, mb4.0/3, mb1 4.4/5, mb1mx4.0/19, mbtpm4.2/5, ML4.4/2, Error ellipse: s-maj=102.5km s-min=23.4km az=67.0

NEIC 18 16:25:18.3, 0.8, 2.86S-126.86E, h100km, mb4.2/3, Error ellipse: s-maj=39.7km s-min=10.5km az=68.0

ISC 18 16:25:09.0, 1.0, 2.55S-0.2, 127.3E, 0.3, h33km, n11, 0.047/11, mb4.5/5, LD, Ceram Sea

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like FITZ, WRAB, WRA, etc.

CASC 18 16:26:26.2, 6.7, 11.12N-85.82W, h95km, 20km, MD3.9, ML3.5, 3C-5D, Nicaragua

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like CONN, APON, MASN, etc.

ISC 18 16:31:49.3, 27.0, 1.84N-98.46E, mb3.9/3, mb1 4.1/3, mb1mx3.6/19, mbtpm3.9/3, MS3.9/1, MS1 3.8/1, ms1mx2.9/33, Error ellipse: s-maj=516.9km s-min=220.7km az=144.0, Northern Sumatara

ISC 18 16:39:53.7, 4.8, 28.60S-178.57W, mb3.5/2, mb1 3.8/2, mb1mx3.6/14, mbtpm3.5/2, ML5.0/1, Error ellipse: s-maj=93.5km s-min=17.0km az=80.0

NEIC 18 16:40:35.9, 2.0, 31.61S-178.86W, h400km, Error ellipse: s-maj=44.6km s-min=17.3km az=89.0

ISC 18 16:40:23.2, 1.0, 31.05S-10.177.8W, 0.3, h371km, 1km, n75, 0.1832/92, mb2.8/2, Keramdet Islands

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

PWZ Pawanui 10.03 204 PN P 16 42 41.8 -0.7

MTVZ Mangateitei 10.04 212 PN P 16 42 43.5 +0.8

VRZ Vera Road 10.17 215 PN P 16 42 46.0 +1.8

TSZ Takapari Road 10.17 215 PN P 16 42 44.5 +0.3

TSZ Takapari Road 10.40 208 EP P 16 42 44.8 -2.3

TSZ Takapari Road 10.40 208 EP P 16 42 43.1 -3.4

WAZ Wanganui 10.56 212 PN P 16 42 47.4 -1.5

WAZ Wanganui 10.56 212 PN P 16 42 47.4 -1.5

BFZ Birch Farm 10.83 205 EP P 16 42 51.8 -0.2

BFZ Birch Farm 10.83 205 EP P 16 42 52.3 +0.3

BFZ Birch Farm 10.83 205 EP P 16 42 50.0 +3.8

MRZ Mangatainoka R 11.06 207 PN P 16 42 52.7 -2.1

MRZ Mangatainoka R 11.06 207 PN P 16 42 52.9 -1.9

MRZ Mangatainoka R 11.06 207 PN P 16 42 52.4 -2.4

MRZ Mangatainoka R 11.06 207 PN P 16 42 52.9 -1.9

MRZ Mangatainoka R 11.06 207 PN P 16 42 52.3 -2.5

KIW Kapiti Island 11.50 209 EP P 16 44 58.3 -2.3

KIW Kapiti Island 11.50 209 EP P 16 44 58.4 -1.4

MTW Mount Morrison 11.52 206 EP P 16 43 00.2 +0.1

MTW Mount Morrison 11.52 206 EP P 16 42 59.5 -0.6

CAW Cannon Point 11.64 208 EP P 16 42 59.6 -2.0

CAW Cannon Point 11.64 208 EP P 16 42 59.6 -2.0

PAWZ Paruruai Farm 11.74 206 EP P 16 43 04.3 +1.5

PAWZ Paruruai Farm 11.74 206 EP P 16 43 05.2 -0.2

MSWZ Moikau Station 11.84 206 EP P 16 45 09.7 +1.9

MSWZ Moikau Station 11.84 206 EP P 16 45 09.7 +1.9

MRW Makara Radio 11.90 209 EP P 16 45 03.6 -1.0

MRW Makara Radio 11.90 209 EP P 16 45 03.6 -1.0

WEL Wellington 11.91 208 EP P 16 45 11.7 -1.0

WEL Wellington 11.91 208 EP P 16 45 11.7 -1.0

SNZ South Karori 11.96 208 EP P 16 43 03.2 -2.1

SNZ South Karori 11.96 208 EP P 16 43 03.2 -2.1

NNZ Nelson 12.46 213 EP P 16 45 13.3 -0.8

NNZ Nelson 12.46 213 EP P 16 45 13.3 -0.8

NNZ Nelson 12.46 213 EP P 16 45 13.3 -0.8

NNZ Nelson 12.46 213 EP P 16 45 13.3 -0.8

QRZ Quartz Range 12.57 216 EP P 16 43 10.8 -1.7

QRZ Quartz Range 12.57 216 EP P 16 43 10.8 -1.7

BSWZ Blackbirch Sta 12.64 210 EP P 16 43 13.0 -0.0

BSWZ Blackbirch Sta 12.64 210 EP P 16 43 13.0 -0.0

BSWZ Blackbirch Sta 12.64 210 EP P 16 43 13.0 -0.0

BSWZ Blackbirch Sta 12.64 210 EP P 16 43 13.0 -0.0

LTZ Lake Taylor 13.11 212 EP P 16 45 28.4 -1.7

LTZ Lake Taylor 13.11 212 EP P 16 45 28.4 -1.7

THZ Topohue 13.11 212 EP P 16 43 17.0 -1.7

THZ Topohue 13.11 212 EP P 16 43 17.0 -1.7

KHZ Kahurangi 13.36 209 EP P 16 45 44.5 +1.7

DSZ Denniston North 13.62 215 EP P 16 43 22.7 -1.7

DSZ Denniston North 13.62 215 EP P 16 43 22.7 -1.7

DSZ Denniston North 13.62 215 EP P 16 43 22.7 -1.7

DSZ Denniston North 13.62 215 EP P 16 43 22.7 -1.7

LTA Lake Taupo 14.21 211 EP P 16 45 30.6 -0.2

LTA Lake Taupo 14.21 211 EP P 16 45 30.6 -0.2

CLNZ Canterbury Las 14.70 209 EP P 16 46 12.2 +1.4

MCQ McQueen's Vall 14.80 208 EP P 16 43 38.1 +1.2

MCQ McQueen's Vall 14.80 208 EP P 16 43 38.1 +1.2

MOZ Mo Queen's Vall 14.80 208 EP P 16 43 38.1 +1.1

MOZ Mo Queen's Vall 14.80 208 EP P 16 43 38.1 +1.1

RPZ Rata Peaks 15.49 212 EP P 16 46 14.8 +2.1

RPZ Rata Peaks 15.49 212 EP P 16 46 14.8 +2.1

ODZ Otahua Downs 16.72 210 EP P 16 44 03.9 +6.9

ODZ Otahua Downs 16.72 210 EP P 16 44 03.9 +6.9

ASAR Alice Springs 43.27 267 EP P 16 47 52.2 +0.9

ASAR Alice Springs 43.27 267 EP P 16 47 52.2 +0.9

WRA Warramunga Arr 44.32 273 EP P 16 47 59.9 +0.3

WRA Warramunga Arr 44.32 273 EP P 16 47 59.9 +0.3

FINES FINES Array B 145.75 340 EP P 16 59 28.6 +1.2

FINES FINES Array B 145.75 340 EP P 16 59 28.6 +1.2

ISC 18 16:58:33.1, 7.3, 3.56N-93.21E, mb3.8/4, mb1 4.0/5, mb1mx3.2/1.7, mbtpm3.7/5, ML3.3/1, MS2.8/1, MS1 3.0/1, ms1mx2.7/30, Error ellipse: s-maj=174.1km s-min=57.5km az=140.0

ISC 18 16:58:37.3, 3.6, 3.8N-0.4, 93.2E, 0.4, h33km, n11, 0.039/11, mb4.2/10, Off west coast of northern Sumatara

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like JIRN, PKI, DMN, etc.

CSEM 18 16:59:34.5, 0.2, 30.20N-35.82E, h10km, Mw2.7, Error ellipse: s-maj=37km s-min=14.8km az=71.0

HLW 18 16:59:42.6, 30.28N-35.84E, h25km, Mb3.5, Gll 18 16:59:43.8, 0.2, 30.15N-35.15E, h13km, 2km, ML2.7/6, Mw2.7/4

ISC 18 16:59:43.2, 0.2, 30.17N-0.03, 35.20E, 0.07, h14km, 4km, n31, 0.073/37, 2C-4D, Dead Sea region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like HRFI, PRNI, ZFRI, etc.

ISC 18 17:16:37.9, 3.5, 1.21N-97.75E, mb3.7/3, mb1 3.8/4, mb1mx3.5/20, mbtpm3.6/4, ML3.5/1, Error ellipse: s-maj=141.3km s-min=27.2km az=57.0, Northern Sumatara

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









18d 21h

PDG 18:20:53:49.4:0.1, 43.41N-19.06E, h11km
NEIC 18:20:53:49.4, 43.41N-19.06E, h11km, ML3.0(PDG),
ML2.8(VIE), After PDG.

ISC 18:20:53:47.8:0.4, 43.48N-0.02:19.03E, 0.02, h4km, km, km,
n52.5, 1502/91, 200-10D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like Unac-Piva, Pljevlja, Bajina Basta, etc.

CASC 18:20:57:34.6:2.3, 14.50N-87.22W, h10km, MD4.0, ML3.3, 4C-6D, Honduras

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like Cacacuatiqua, Conchagua, Bellamira, etc.

GUC 18:21:00:35.1:0.7, 35.08S-70.44W, h1km, 2km, ML4.5
NEIC 18:21:00:35.1, 35.08S-70.44W, h1km, mb4.6/13,
ML4.5(GUC), After GUC.

NEIC Fea1 [III] at San Fernando and [II] at Curico.
IDC 18:21:00:38.0:3.3, 35.11S-70.19W, h23km, 21km, mb4.2/8,
mb1.4/3/13, mb1mx4.2/20, mbmp4.2/13, ML3.6/3, MS3.9/4,
Ms1.3/9.4, ms1mx3.4/21, Error ellipse: s-maj=24.9km
s-min=14.1km az=94.0

ISC 18:21:00:32.4:1.1, 35.15S-0.03:70.26W, 0.04, h0km, 6km,
n73.0, 598/66, mb4.6/19, MS3.9/2, 10C-3D,
Chile-Argentina border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like San Fernando, Curico, etc.

2005 APR

Main table with columns: SFD0, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like San Fernando, El Canelo, Talca, etc.

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



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WMQ, KS15, UCH, TKM2, KBK, AML, AAK, EKS2, USP, SONM, ULN, MKAR, CN2, PMG, MJAR, STKA, MDJ, BRTR, ASAJ, KIV, MALT, AKASG, FINES, ARCES, GERES, NOA, LPG, NVAR, TXAR.

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

Table for Tonga Islands region with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YRTN, FCC, FRB, KNDN, MGN, BOXN, LGSN, ACKN, LUPN, COWN.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SILO, NODN, CAMN, YMBN, SNPN, IHLN, DSMN, VMO, YKWS, YKWS, CTLN, GALN.

Table for NEIC 18 21:46:24.9, 36.86S-71.17W, h160km, MD3.1(GUC), After GUC. Includes stations like SFDO, CICH, CACH, LNV, CHCH, LMEL, PCH, RCDM, FCH.

Table for NEIC 18 21:49:28.3, 1.5, 2.3N-125.44E, mb3.7/6, mb1 4.0/6. Includes stations like KCP, WRA, WB2, MJAR, STKA, MKAR, ILAR.

Table for NEIC 18 21:54:27.1, 52.0, 18.13S-174.89W, mb3.7/3, mb1 3.9/3. Includes stations like STKA, WRA, ASAR.

Table for NEIC 18 22:01:25.9, 15.73N-61.50W, h22km, MD3.7, M3.3(FDF). Includes stations like DWS, MBRY, MBLG, MLTY, MBWH, MBGB, BPA, NVBH, NVRH, CPB, CLB, SKI, FCV, LPZ, PDAR, YKA.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KULM, CMAR, WRA, WRAB, ASAR, SONM, MKAR, ZAL.

Table for IDC 18 22:19:18.7, 1.4, 12.23N-85.68W, mb3.2/3, mb1 3.6/4. Includes stations like JTS, TXAR, YKA, ILAR.

Table for MDD 18 22:21:57.0, 6.28, 11N-16.31W, mbLg1.0/3, Error ellipse. Includes stations like CCAN, CICO, CICO, CHIO, EGOM.

Table for IDC 18 22:22:16.9, 1.0, 10.90N-141.63E, mb3.3/5, mb1 3.6/5. Includes stations like WRA, FITZ, ASAR, CMAR, SONM, ILAR, YKA, LPZ.

Table for IDC 18 22:40:36.2, 9.9, 1.99N-95.98E, mb3.8/3, mb1 3.9/4. Includes stations like KULM, CMAR, JIRN, PKI, DMN, GUN, KKN, LSA, GKN, KOLN, WRAB, AAK, MKAR, SONM, ZAL.

Table for IDC 18 22:41:29.1, 1.6, 1.18S-127.99E, mb3.6/2, mb1 4.1/4. Includes stations like WRA, WB2, ASAR, SONM.

Table for IDC 18 22:45:01.2, 5.3, 8.18S-156.06E, mb4.0/3, mb1 4.1/4. Includes stations like PMG, CTA, WRA, ASAR, STKA.

Table for IDC 18 22:45:01.2, 5.3, 8.18S-156.06E, mb4.0/3, mb1 4.1/4. Includes stations like PMG, CTA, WRA, ASAR, STKA.





19d 0h

Table with columns for station name, frequency, mode, and other parameters. Includes stations like BVAR, CHKZ, CNB, TOO, DZM, etc.

2005 APR

Table with columns for station name, frequency, mode, and other parameters. Includes stations like FINES, MENT, AKAS, TRO, etc.

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Table with columns for station name, frequency, mode, and other parameters. Includes stations like JCT, DBIC, WVT, LRAL, etc.

NEIC 19 00:36:34.0 1.6, 26.27Sx174.26W, h10km, mb4.4/3, Error ellipse: s-maj=109.0km s-min=13.9km az=166.0

ISC 19 00:36:36.0 2.4, 24.41Sx174.88W, mb1.2/4, mb1 4.5/4, mb1mx4.1/15, mbtmp4.2/4, MS3.6/2, Ms 1.3/6.2, ms1mx0.3/0, Error ellipse: s-maj=132.4km s-min=27.7km

ISC 19 00:36:35.1 1.6, 26.6S, 0.7-174.1W, 0.2, h33km n16, 1928/10, mb4.3/7, MS3.5/2, South of Tonga Islands

Table with columns for Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like RAR, TBI, PPT, RKT, etc.

MOS 19 00:53:47.1 1.0, 36.35N, 70.95E, h193km, mb4.1/3, Error ellipse: s-maj=33.9km s-min=15.0km az=82.2

NEIC 19 00:53:47.8 2.7, 36.35N, 71.03E, h182km, 21km, mb3.9/3, Error ellipse: s-maj=25.1km s-min=12.6km az=221.0

ISC 19 00:53:50.0 0.6, 36.43N, 71.10E, h198km, 52km, mb3.4/8, mb1 3.6/11, mb1mx3.2/4, mbtmp4.0/11, Error ellipse: s-maj=41.0km s-min=18.8km az=47.0

NNC 19 00:54:17.3 7.4, 38.80N, 71.63E, mpv3.2, Error ellipse: s-maj=75.9km s-min=58.7km az=50.0

ISC 19 00:53:52.2 1.2, 36.63N, 0.0671-2E, 0.2, h227km, 9km, 1908/6, 45, mb3.6/9, 5C-1D, Afghanistan-Tajikistan border region

Table with columns for Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like THN, DLH, AML, UCH, etc.



Table with columns for station name, frequency, power, and various signal quality indicators. Includes stations like Changchun, Quanzhou, Tai'an, Uglegorsk, Wuhan, Beijing, etc.

Table with columns for station name, frequency, power, and various signal quality indicators. Includes stations like Lanzhou, Chengdu, Kunming, Ulanbaatar, etc.

Table with columns for station name, frequency, power, and various signal quality indicators. Includes stations like ZAK, FX1, IRK, TLY, SEY, BUN, etc.







Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like DUG, LAO, BHL, NOQ, OJC, QUC, CRVS, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like CLL, ZST, PRU, RZN, RSSD, ULM, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like ESK, LJU, BOUS, FUR, TOD, TUC, etc.

19d 3h

Table of station data for 19d 3h, including columns for call sign, name, frequency, power, and other technical details.

2005 APR

Table of station data for 2005 APR, including columns for call sign, name, frequency, power, and other technical details.

752

Table of station data for 752, including columns for call sign, name, frequency, power, and other technical details.



Table with columns: BRTR, Kesklin Array B, FINES, FINES Array B, ARCES, ARCES Array B, GRES, GRES Array B, JCT, Junction City, LRAL, Lakeview Retre. Includes coordinates and other data.

Table with columns: IDC, Chiang Mai Arr, MKAR, Makanchi Array, WRA, Warrungga Arr. Includes coordinates and other data.

NEIC 19 04:23:18.8, 16.58N-98.40W, h67km, MD3.6(MEX), After MEX.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PNIG, Pinotepa, ACX, Acapulco, etc.

NEIC 19 04:27:45.9, 1.1, 17.44S-178.44W, h515km, 10km, mb4.3/8, Error ellipse: s-maj=20.7km s-min=14.9km az=164.0.

IDC 19 04:27:46.8, 1.18, 17.45S-178.46W, h518km, 20km, mb3.8/3, mb1.4/0.4, mb1mx3.3/16, mbtmp4.8/4, Error ellipse: s-maj=26.8km s-min=21.0km az=157.0.

ISC 19 04:27:45.0, 1.3, 17.45S-178.5W, 0.1, h518km, 24km, n20, c0942/1, mb4.6/11, 7D, Fiji Islands region.

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

NIED 19 04:35:00.31, 70N, 129.00E, h5km, Mw3.8 Best double couple: M5.53x10^14 NP1: 212, 876, lambda: 106, NP2: 80, 821, lambda: 44.

JMA 19 04:35:22.4, 0.1, 31.70N-129.00E, h12km, 2km, M3.6, Northwest of Ryukyu Islands.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JSJ, Shikokoshi, JFU, Fumeo jima 2, etc.

DJA 19 05:00:53.0, 1.1, 8.63S-116.62E, h33km, MD4.4/1, ML3.7/3, 4C, Error ellipse: s-maj=28.7km s-min=25.0km az=156.0, Sumbawa region.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KEDI, Kedondong, REDI, Kedondong, etc.

NEIC 19 05:17:38.3, 16.59N-94.42W, h106km, MD3.9(MEX), After MEX.

MEX 19 05:17:38.3, 1.2, 16.59N-94.43W, h106km, 13km, MD3.9, 1C-1D, Oaxaca.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMIG, Matias Romero, SCX, San Cristobal, etc.

Table with columns: WHO, Vista Hermosa, WHO, Ciudad Serdan, IISM, IISM. Includes coordinates and other data.

WEL 19 05:19:03.8, 0.1, 38.17S\*176.97E, h65km, 1km, ML3.7/6, 4C-5D, Error ellipse: s-maj=0.9km s-min=0.9km az=0.0, North Island.

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

IDC 19 05:26:51.7, 4.4, 6.75S-129.78E, h80km, 39km, mb4.0/8, mb1.4/3/1, mb1mx4.1/18, mbtmp4.4/11, Error ellipse: s-maj=44.5km s-min=16.3km az=61.0.

BUI 19 05:26:54.3, 2.7, 0.85S-129.22E, h119km, mb4.7, mb4.3, NEIC 19 05:26:55.0, 2.1, 6.92S-129.44E, h112km, 20km, mb4.2/8, Error ellipse: s-maj=18.6km s-min=13.8km az=53.0.

ISC 19 05:26:54.9, 1.6, 7.03S-129.39E, 0.08, h126km, 17km, n4, c127/4, mb4.5/19, 1C-1D, Banda Sea.

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

WEL 19 05:19:03.8, 0.1, 38.17S\*176.97E, h65km, 1km, ML3.7/6, 4C-5D, Error ellipse: s-maj=0.9km s-min=0.9km az=0.0, North Island.

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

Table with columns: WMQ, Makanchi Array, AAK, Ala-Archa, ZAL, Zalesovo, BVAR, Borovoye Array, CHKZ, Chkalovo, OPO, Ambhodiratoro, ILAR, Eielson Array, YKA, Yellowknife Arr, PDAR, Pinedale Array, LVC, Limon Verde, CUPV, Villa Florida, CPUP, Villa Florida, LPAZ, La Paz, LPAZ, La Paz.

BUI 19 05:32:53.6, 0.82N: 97.13E, h32km, mb4.9, mb4.7, Ms3.8, Msz3.5.

IDC 19 05:32:54.0, 1.7, 1.16N-97.05E, mb4.3/9, mb1.4/4/10, mb1mx4.1/22, mbtmp4.3/10, ML4.3/1, MS3.6/3, Ms1.3/6/3, ms1mx3.2/20, Error ellipse: s-maj=77.9km s-min=15.3km.

NEIC 19 05:32:58.4, 0.6, 1.20N-97.11E, h30km, mb4.6/5, Error ellipse: s-maj=18.5km s-min=8.2km az=66.0.

ISC 19 05:32:58.9, 3.7, 1.3N-101.973E, 0.2, h44km, 30km, n36, c082/31, mb4.5/23, MS3.9/3, 3C-1D, Northern Sumatera.

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

IDC 19 05:26:51.7, 4.4, 6.75S-129.78E, h80km, 39km, mb4.0/8, mb1.4/3/1, mb1mx4.1/18, mbtmp4.4/11, Error ellipse: s-maj=44.5km s-min=16.3km az=61.0.

BUI 19 05:26:54.3, 2.7, 0.85S-129.22E, h119km, mb4.7, mb4.3, NEIC 19 05:26:55.0, 2.1, 6.92S-129.44E, h112km, 20km, mb4.2/8, Error ellipse: s-maj=18.6km s-min=13.8km az=53.0.

ISC 19 05:26:54.9, 1.6, 7.03S-129.39E, 0.08, h126km, 17km, n4, c127/4, mb4.5/19, 1C-1D, Banda Sea.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SHL, Shillong, GYA, Guiyang, etc.

IDC 19 05:42:42.5, 0.7, 59.19S: 25.65W, mb4.2/9, mb1.4/3/10, mb1mx4.1/17, mbtmp4.2/10, ML4.7/1, MS3.8/6, Ms1.3/7/6, ms1mx3.5/18, Error ellipse: s-maj=25.4km s-min=19.2km az=0.0.

BUI 19 05:48:43.4, 59.10S: 25.40W, h12km, mb4.8, Ms4.8, Msz4.8.

NEIC 19 05:48:43.4, 0.4, 59.14S: 25.41W, h10km, mb4.5/11, Error ellipse: s-maj=14.3km s-min=7.3km az=59.0.

ISC 19 05:48:42.9, 5.1, 59.12S: 10.25AW, 0.2, h16km, 37km, n52, c196/35, mb4.3/15, MS4.2/8, 2C-3D, 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, etc.







Table with columns: WET, WETZELL, 4.86 25 ePn, Pn, 07 43 13.6 -1.4, etc. Includes stations like GERESS Array S, GERES Array B, AVF, SSF, MEZF, GRA1, etc.

Table with columns: GRR, GORRION, 8.15 300 ePn, Pn, 07 43 59.3 -2.0, etc. Includes stations like KECS, SAINT GILLES, QUINF, QUINF, EBEN, ELAN, ROSF, etc.

Table with columns: JHU, 27m, 0.3s, baz=234, slow=21, SNR=11, etc. Includes stations like BSO1, JIM2, JOD2, SHIMOB, etc.

ATH 19 07:48:02.9, 6.34 33N, 0.04-26.40E, 0.09, h10km, n11, etc. Includes various astronomical coordinates and station identifiers.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include BOB Bobbio (Coli), GRAM, CODM, VALM, Eremo, GENL Genova Univers, VINC Vinca, GUSCL Gusciola, SARO Sassorosso, VILC Villacollemand, PIAN Pian Castagno, ZCCA Zocca, SAL Salo, FNVD Fontana Vidola, FIN Finale Ligure, MUGIO Muggio, VAI Varese, ROB Roburent, SEI Scarperia, MABI Malga Bissina, ORO Oropa, ORX Oropa, MONI Monesi, IMI Imperia, VMG Vicchio, TRAV Berninapass, NEG Negi, PGD Poggio Sodo, ENR Entracque, SAOF Saorge, VDL Val di Lei, BHB Bricherasio, BHC Bricherasio, CAST Castellina Chi, MMK Matmark, BRMO Bormio, RSP Reno Superiore, SFI Santa Sofia, STV2 Anna di Valdie, STV3 Sta Anna Valdi, AUTN L'Aution, FUSIO Fusio, SBF Sospel, GRFL Gerfalco, PZZ Prazzo, CTN Castel Tesino, FENE Fenestrelle, FUORN Openpass, TOUF Mont Tourmerai, LSD Ceresole Reale, OG22 Abries, DAVOX Davos, DAVOX Davos, MVIF Mont Vial, DIX Grande Dixence, RRL Cesana Torines, SURE Saint Ours, MBDF Montbardon, LLS Linth-Limmern, RSM Repubblica di, LKBD Leukerbad, LPL La Plagne, BADI Badial, CALN Calern, HASLG Hasliberg, PGF Pioggiola, BNALP Bannalp, PIONS Pions, SENIN Lac Senin, MUO Muotathal, GRYN Gryon, EMV Vieux Emosson, SALN Vieux Emosson, EMV Vieux Emosson, BRES Bressanone, AIGLE Aigle, FRF La Foret Royal, DAVA Damuels, LIENZ Alp Oberkamor

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include MURB Monte Urbino, GDM Grand'Maison, OG25 Le Claire, ARV Arcevia, SOTA Sankt Quirin, WILA Wila, LMR La Moure, ORIF Oris-en-Rattie, ASS Assisi, MOTA Moosalm, TORNY Torny, SNTG Esanatoglia, WEIN Weingarten, WITA Wattenberg, GRN Grenoble, WATA Walderalm, CING Cingoli, BALST Balsthal, STEIN Stein am Rhein, TRUL Truelikoen, SULZ Sutz-Cheseasche, PTCC Patocco-Chiusa, SMRF Simiane la Rot, BBS Basel-Blaeuven, SLE Schleithelm, BRANT Les Verrieres, CABF La Chapelle, BOUR Bourrignon, OCF Saint Nazaire, OG26 St-Nazaire-De, NRCA Norcia, TOLF Tolla, VOY Vojsko, MNS Montasola, LOMF Lomont, JAVS Javornik, FELD Feldberg, KBA Kambelnebrinsper, CAMP Campotenno, MOF Molkenrain, TERO Teramo, VIVF Saint-Julien-l, HINF Hinfelfeld, SSB Saint Sauveur, OBKA Obkirch, VCEL Villa Celiera, ECH Echternach, HAU Haudemont, WLS Weischbruch, GDF Champ du Feu, STU Stuttgart, LASF Ste Croix, LASF Langenberg, LOAN Mollin, MOA La Plantade, SMF Signal de Mont, LBL Lubilhac, SFTF Sextfontaines, SFTF Refroy, RFFY Refroy, AVF Avril sur Loir, AVF Avf, SSF Saint Sauleg, MEZF Meizeres J'vi, GEC2 GERESS Array S, GERES GERESS Array B, GERES GERESS Array C, KHC Kasperske Hory, KHC Kasperske Hory, BOIS Bois d'Agland, CAF Calviac, TCF Toulx Ste Croi, HYF Humbigny, MTLF Montolieu, NKC Novy Kostel, NKC Les Rejaudoux, MOX Moxa, MOX Moxa, MOX Moxa, PRU Prunhonic, GIVF Givet, MEM Membrech, BAIF Baives, VRAC Vranov, BRG Bergliesshubel, BRG Bergliesshubel, BRG Bergliesshubel, MFF Saint Martin d, ETSF Etsf, LDF La Druitiere

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include FLN La Foliniere, GRR Gorrion, EKA Eskdalemuir Ar, MKAR Makarini Array, YKA Yellowknife Ar, NEIC 19 08:35:34, URZ Urewera, CTA Charters Tower, CTA Charters Tower, STKA Stephens Creek, STKA Stephens Creek, WB2 Warramunga Arr, WRAB Tennant Creek, WRA Warramunga Arr, ASAR Air Springs, ASPA Air Springs, FORT Forrest, GSPA South Pole Qui, NVAR Mina Array Bea, TNA Tin City, ANMO Alameda Array, TXAR Lajitas Array, PDAR Piedale Array, NEIC 19 08:45:06, NKA Nikishka, RDT Redoubt, DFR Drift River, NNL Ninitlich, RDN Redoubt North, RDN North Crescent, SLM Mount Spurr, SKU Skiak Lake, KKN Kachichina No, VOG Vogel Lake, CRP Crater Peak, ILM Iliamna, IOM Iliamna Volc, IVE Iliamna NE, IVE Iliamna, BRKL Bradley Lake, ILW Iliamna West, HGM Hamer, IVS Iliamna South, IVS Iliamna Low So, FIB Fire Island, STLK Strandline Lak, CNPM China Poot, RCP1 Rabbit Creek A, XLV Seldovia, GEA Geyser, OPV Oil Point, PWA Palmer West, AUE Augustine Isla, AUL Augustine Lava, AUW Augustine West, PMR Palmer, PMR Palmer, GHO Glory Hole Cre, MCNL McNeil River, GSH Shuyak Island, SVW2 Sparrevohn, SML Sawmill, SML Sawmill, KAPH Katmai Pasha, SCM Sheep Creek Mo, HIN Hinchirok 1, KHAC Katmai Hardscr, VLZ Valdez, KAWH Katmai, GCA Galena City Sc, EYAK Cordova Ski Ar, DIV Divide, DIV Thorofare Moun, KTH Kantishna Hill, ANCK Angle Creek, TTO1 Talatina, CNCT Contact Creek, TTA Talatina, TTI Talatina, MCK McKinley, PAX Paxson, GLB Galahina Butte, GLB Galahina Butte, THY Trims Highway, MENT Mentasta Mt, CCB Clear Creek Bu, BALM Baldy, COLA Colledge, MDM Murphy Dome, ILAR Eielson Array, ILAR Eielson Array, IL1 Eielson Array, GCSA Galena City Sc, CTGM Chitina Glacie, BC3A Beaver Creek A, IM3 Indian Mountain, PMA Indian Mountain, INA Peninsula, COLD Coldfoot, BM3 Burnt Mountain, INK Inuvik, YKA Yellowknife Ar, TXAR Lajitas Array, ARCES ARCES Array B

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

MOS 19 08:55:18.6;0.8,36.50N;71.13E,h204km,mb4,3/11,Error ellipse: s-maj=14.0km s-min=7.4km az=98.9

AFghanistan-Tajikistan border region

Main table of station data for the Afghanistan-Tajikistan border region, including stations like CHERAT, Chirait Chowk, Thame Wali, etc.

Main table of station data for the Caucasus region, including stations like KRAR Krasnoyarsk, KRAC Sochi, SOC Sochi, etc.

Main table of station data for the Italian region, including stations like STKA Stephens Creek, ZAL Zalesovo, BVAR Borovoye Array, etc.











Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like KMNH, GNAL, Zelenaya, Kopyto, Loginova, etc.

IDC 19 11:35:32.2, 1.3, 1.64S-99.66E, mb4.3/8, mb1 4.4/9, mb1mx4.1/18, mbtmp4.2/9, Error ellipse: s-maj=7.06km s-min=15.7km az=57.0

NEIC 19 11:35:36.5, 0.6, 1.68S-99.67E, mb4.4/5, Error ellipse: s-maj=24.6km s-min=7.4km az=59.0

ISC 19 11:35:37.5, 1.1, 4.5, 0.2, 9.9E, 0.3, h52km, 41km, n30, +0.87N25, mb4.5/17, 1C-2D, Southern Sumatara

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like KULM, KKM, CMAR, FITZ, JIRN, etc.

BJI 19 11:44:39.5, 19.80N; 122.53E, h154km, mb4.9, mb4.8

NEIC 19 11:44:40.9, 0.6, 1.9, 70N; 122.48E, h166km, 5km, mb4.7/29, Error ellipse: s-maj=5.9km s-min=4.4km az=89.0

IDC 19 11:44:41.8, 1.5, 1.9, 74N; 122.47E, h172km, 13km, mb4.2/26, mb1 4.3/27, mb1mx4.3/31, mbtmp4.7/27, MS3.7/2, Ms1 3.8/2, ms1mx3.0/30, Error ellipse: s-maj=13.6km s-min=7.8km az=76.0

ISC 19 11:44:40.5, 0.3, 1.9, 70N; 122.50E, 0.4, h175km, 3km, n15, +0.91S/131, mb4.5/17, 1C-8D, Philippine Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like SGCP, CVP, APYP, etc.

Table with columns: QIZ, QIZZ, Nanjing, etc. Includes stations like QIZ, QIZZ, Nanjing, etc.

Table with columns: GKN, KOLN, FITZ, etc. Includes stations like GKN, KOLN, FITZ, etc.









NJ2	AP	pP	15 17 28.3 +1.9		
NJ2	XP	sP	15 17 35.0 +5.0		
NJ2	PP	PP	15 18 41.3 -0.3		
NJ2	S	S	15 22 55.0 -1.5		
NJ2	XS	AMB	15 23 17.0		
NJ2	comp=Z,30nm,0.7s,mb5.3	AMB	AMB		
NJ2	comp=Z,210nm,11.0s	LR	LR		
NJ2	comp=Z,940nm,20.8s,MS4.5	LR	LR		
SSE	Sheshan	37.01 37 P	15 17 22.3 -0.8		
SSE		XP	15 17 38.1 +2.7		
SSE		PP	15 18 49.1 -0.7		
SSE		S	15 23 06.9 +0.7		
SSE		XS	15 23 26.6		
SSE		AMB	AMB		
SSE	comp=Z,22nm,0.7s,mb5.1	AMB	AMB		
SSE	comp=Z,210nm,4.1s	LR	LR		
SSE	comp=N,416nm,21.8s,MS4.2	LR	LR		
SSE	comp=E,259nm,21.9s,MS4.2	LR	LR		
SSE	comp=Z,667nm,16.4s	LR	LR		
SSE	Sheshan	37.01 37 P	15 17 22.2 -0.9		
SSE	comp=Z,22nm,0.7s,mb5.1	sP	15 17 38.1 +2.7		
SSE		PP	15 18 49.1 -0.7		
SSE		S	15 23 06.9 +0.7		
SSE		sS	15 23 26.6		
SSE		SS	15 25 51.7 +1.6		
SSE		LR	LR		
GTA	comp=Z,670nm,16.4s,MS4.5	P	15 17 22.8 -0.4		
GTA	Gaotai	37.03 4 P	15 17 30.3 -1.5		
GTA		AP	15 17 33.0 -2.5		
GTA		XP	15 18 50.4 +0.4		
GTA		PP	15 19 11.8 +1.8		
GTA		PcP	15 19 44.5 +0.4		
GTA		S	15 23 07.1 +0.6		
GTA		XS	15 23 18.5		
GTA		SCP	15 23 29.1		
GTA		SS	15 25 38.1 +1.5		
GTA		ScS	15 27 34.6 +0.9		
GTA		AMB	AMB		
GTA	comp=Z,80nm,0.9s,mb5.5	AMB	AMB		
GTA	comp=Z,282nm,10.3s	LR	LR		
GTA	comp=N,786nm,16.4s,MS4.8	LR	LR		
GTA	comp=E,739nm,12.2s,MS4.8	LR	LR		
GTA	comp=Z,1µm,16.7s,MS4.7	LR	LR		
KAKA	Kakadu	38.85 114 i/P	15 17 37.7 -1.1		
KAKA	comp=Z,18nm,0.6s,mb5.0	P	15 17 48.1 -0.4		
BTO	Baotou	40.05 16 eP	15 23 41.6 -1.1		
BTO		S			
BTO		AMB	AMB		
NWAO	comp=Z,45nm,0.8s,mb5.2	P	15 17 51.6 +1.2		
NWAO	Narrogin (SRO)	40.27 152 P	15 17 51.6 +1.3		
NWAO	comp=Z,19nm,1.0s,mb4.8	P			
NWAO	Narrogin (SRO)	40.27 152 P			
HHC	Hu-ho-hao-te	40.73 18 i/P	15 17 55.0 +1.0		
HHC		AP	15 18 07.3 +4.6		
HHC		PP	15 19 36.4 +5.4		
HHC		SCP	15 23 39.3		
HHC		PcS	15 23 44.0		
HHC		S	15 24 04.3 +2.0		
HHC		XS	15 24 22.6		
HHC		SS	15 27 02.0 +3.4		
HHC		ScS	15 27 52.6 -2.5		
HHC		AMB	AMB		
HHC	comp=Z,97nm,1.3s,mb5.3	AMB	AMB		
HHC	comp=Z,548nm,4.8s	LR	LR		
HHC	comp=N,1µm,12.7s,MS5.1	LR	LR		
HHC	comp=E,959nm,13.7s,MS5.1	LR	LR		
HHC	comp=Z,1µm,13.0s,MS4.9	LR	LR		
BJT	Baijiatou	41.60 23 i/P	15 18 01.9 +0.7		
BJT	comp=Z,76nm,0.8s,mb5.4	eP			
BJT	Beijing	41.62 23 eP	15 18 09.2 -0.7		
BJT		AP	15 18 14.0 +3.9		
BJT		PP	15 18 14.0 +3.9		
BJT		PcP	15 19 52.5 -6.2		
BJT		S	15 24 17.8 +2.2		
BJT		AMB	AMB		
BJT	comp=Z,139nm,0.8s,mb5.6	LR	LR		
BJT	comp=N,831nm,14.0s,MS4.9	LR	LR		
BJT	comp=E,664nm,13.7s,MS4.9	LR	LR		
BJT	comp=Z,426nm,21.0s	LR	LR		
BJT	Beijing	41.62 23 eP	15 18 02.3 +0.9		
BJT	comp=Z,139nm,0.8s,mb5.6	pP	15 18 14.0 +3.9		
BJT		PcP	15 19 52.5 -6.2		
BJT		S	15 24 17.8 +2.2		
BJT		SS	15 27 31.1 +1.5		
BJT		LR	LR		
WMQ	comp=Z,430nm,21.0s,MS4.3	P	15 18 04.9 +0.4		
WMQ	Urumqi	42.00 351 i/P	15 18 16.9 +3.8		
WMQ		AP	15 18 22.4 +5.7		
WMQ		XP	15 20 06.0 +1.2		
WMQ		PP	15 20 04.0 +0.5		
WMQ		PcP	15 24 20.3 -0.9		
WMQ		S	15 24 41.3		
WMQ		XS			
WMQ		AMB	AMB		
WMQ	comp=Z,38nm,1.2s,mb4.9	LR	LR		
WMQ	comp=N,674nm,17.8s,MS4.7	LR	LR		
WMQ	comp=E,765nm,21.0s,MS4.7	LR	LR		
WMQ	comp=Z,38nm,1.2s,mb4.9	LR	LR		
WRAB	comp=Z,655nm,20.6s,MS4.5				
WRAB	Tennant Creek	43.39 122 i/P	15 18 15.7 -0.4		
WRAB	Tennant Creek	43.39 122 eP	15 18 15.0 -1.0		
WB2	Warramunga Arr	43.39 122 i/P	15 18 15.7 -0.4		
ULHL	Uhaloh	43.61 338 P	15 18 18.9 +1.3		
FORT	Forrest	44.71 140 eP	15 18 28.0 +1.3		
FORT	comp=Z,318nm,0.6s	P			
FORT	Bishkek	44.73 337 i/P	15 18 36.0 +0.7		
FORT		eP	15 18 26.0 -0.7		
FORT		MLR	15 18 43.5		
ASPA	Alice Springs	44.78 127 i/P	15 18 27.2 -0.1		
ASPA		P	15 18 34.8 -1.2		
ASAR	Alice Springs	44.78 127 P	15 18 27.5 +0.2		
ASAR	comp=Z,3.2nm,0.5s,mb4.4,baz=299,slow=7.8,SNR=94	PcP	15 20 09.7 +0.2		
ASAR	comp=Z,1.4nm,0.7s,baz=307,slow=2.8,SNR=93	S	15 23 60.0		
CHMS	Chumysh	44.82 338 P	15 18 27.6 +0.2		
USP	Ospenovka	45.14 337 P	15 18 31.1 +1.1		
MKAR	Makanchi Array	45.93 347 P	15 18 35.7 -0.4		
MKAR	comp=Z,200nm,1.1s	PcP			
MKAR	Makanchi Array	45.93 347 P	15 18 36.3 +0.2		
MKAR	comp=Z,112nm,0.9s,mb5.8,baz=161,slow=7.3,SNR=379	LR	15 43 45.1		
SONM	Songino Array	46.14 9 P	15 18 38.0 +0.2		
SONM	comp=Z,11nm,0.4s,mb5.1,baz=190,slow=4.0,SNR=131	PcP	15 20 14.3 +0.3		
SONM	comp=Z,4.1nm,0.5s,baz=185,slow=4.1,SNR=11	LR	15 40 24.0		
ULN	Ulanbatar	46.28 10c/P	15 18 38.3 -0.6		
ULN	Ulanbatar	46.28 10 eP	15 18 38.3 -0.5		
ULN	comp=Z,44nm,1.2s,mb5.3				
SNY	Shenyang	46.30 28 i/P	15 18 38.3 -0.8		

SNY	comp=Z,30nm,1.1s,mb5.1	AMB	AMB		
SNY	comp=N,500nm,12.9s,MS5.1	LR	LR		
SNY	comp=E,1µm,15.7s,MS5.1	LR	LR		
SNY	comp=Z,880nm,15.0s,MS4.8	LR	LR		
KKAR	Kararay Array	46.65 334 i/P	15 18 42.1 +0.3		
KKAR	comp=Z,8.0nm,0.6s,mb4.8	pmax	pmax		
ZAK	Zakamensk	48.23 6 i/P	15 18 54.2 +0.1		
ZAK	comp=Z,15nm,1.7s,mb4.8	pmax	pmax		
ZAK	comp=Z,4.0nm,1.7s,mb4.2	pmax	pmax		
ZAK	comp=Z,2.0nm,1.7s	pmax	pmax		
CN2	Changchun	48.70 28 eP	15 18 56.6 -1.2		
CN2		eAP	15 19 08.4 +1.8		
CN2		eS	15 25 55.3 -2.0		
CN2		ScS	15 28 41.3 -4.0		
CN2		SS	15 29 21.9 -1.1		
CN2	comp=Z,30nm,1.0s,mb5.3	AMB	AMB		
CN2	comp=N,500nm,12.0s,MS5.1	LR	LR		
CN2	comp=E,1µm,12.0s,MS5.1	LR	LR		
CN2	comp=Z,800nm,13.0s,MS4.9	LR	LR		
MOY	Mondy	49.30 4 eP	15 19 02.7 +0.3		
MOY	comp=Z,53nm,2.5s,mb5.1	pmax	pmax		
TLY	Talaya	49.55 6c/P	15 19 04.4 +0.1		
TLY		e	15 21 00.0		
TLY		ePPP	15 22 00.2 +6.1		
TLY		eS	15 26 10.7 +1.7		
TLY		e	15 28 49.6		
TLY	comp=Z,30nm,1.0s,mb5.3	pmax	pmax		
TLY	comp=Z,753nm,17.0s,MS4.8	MLR	MLR		
TLY	Talaya	49.55 6 eP	15 19 04.1 -0.2		
IRK	Irkutsk	50.17 6 eP	15 19 02.6 -6.4		
IRK		P			
HIA	Hailar	50.85 20i eP	15 19 13.9 -0.3		
HIA	comp=Z,46nm,1.1s,mb5.3	P			
MDJ	Mudanjiang	51.31 30 P	15 19 17.8 0.0		
MDJ		AP	15 19 29.3 +2.6		
MDJ		XP	15 20 27.9 -5.3		
MDJ		PcP	15 21 12.0 -3.5		
MDJ		PP	15 24 22.3		
MDJ		SCP	15 24 27.8		
MDJ		PcS	15 26 38.1 +4.6		
MDJ		S	15 29 04.6 +1.7		
MDJ		ScS			
MDJ		AMB	AMB		
MDJ	comp=Z,17nm,1.3s,mb4.8	AMB	AMB		
MDJ	comp=Z,219nm,6.9s	LR	LR		
MDJ	comp=N,254nm,21.3s,MS4.5	LR	LR		
MDJ	comp=E,379nm,16.9s,MS4.5	LR	LR		
MDJ	comp=Z,390nm,16.9s,MS4.5	LR	LR		
MDJ	Mudanjiang	51.31 30 eP	15 19 17.7 -0.1		
MAJO	Matsushiro	51.45 43 eP	15 19 18.2 -0.8		
MAJO	comp=Z,7.4nm,0.8s,mb4.7	P			
MAT	Matsushiro	51.45 43 eP	15 19 18.0 -1.0		
MAT	comp=Z,23nm,1.2s,mb5.0	P			
MAT	Matsushiro	51.45 43 P	15 19 18.1 -0.9		
MAT		S	15 26 46.0 +1.0		
MJAR	Matsushiro Arr	51.45 43 P	15 19 18.8 -0.2		
MJAR	comp=Z,8.5nm,1.1s,mb4.6,baz=225,slow=6.6,SNR=17	PcP	15 20 33.9 +0.6		
MJAR	comp=Z,4.7nm,1.1s,baz=253,slow=3.3,SNR=4.9	LR	15 42 42.6		
PMG	Port Moresby	51.97 104 P	15 19 23.1 -0.2		
PMG	comp=Z,31nm,0.8s,mb5.3,baz=306,slow=4.8,SNR=13	P			
PMG	Port Moresby	51.97 104 eP	15 19 22.6 -0.6		
ZAL	Zalesovo	52.29 351 i/P	15 19 24.5 -0.6		
ZAL	comp=Z,31nm,0.5s	pmax	pmax		
ZAL	Zalesovo	52.29 351 P	15 19 24.4 -0.6		
ZAL	comp=Z,31nm,0.5s,mb5.5,baz=308,slow=5.1,SNR=184	LR	15 46 39.6		
OPO	Amchitratopog	52.61 245 P	15 19 28.2 +0.3		
OPO	comp=Z,3.1nm,0.7s,mb4.3,baz=91,slow=5.9,SNR=6.4	LR			
CTA	Charters Tower	53.80 117 i/P	15 19 37.2 +0.5		
CTA	comp=Z,12nm,1.0s,mb4.8	P			
CTA	Charters Tower	53.80 117 P	15 19 44.5 -1.0		
CTA	comp=Z,7.7nm,1.0s,mb4.9,baz=267,slow=11.1,SNR=6.9	P	15 19 37.2 +0.5		
CTAO	Charters Tower	53.80 117 eP	15 19 36.2 -0.5		
CTAO	comp=Z,1.6nm,0.9s,mb5.0	P			
STKA	Stevens Creek	54.77 132 i/P	15 19 43.5 -0.2		
STKA	comp=Z,7.7nm,0.9s,mb4.7	P			
STKA	Stevens Creek	54.77 132 P	15 19 43.7 0.0		
STKA	comp=Z,4.7nm,0.7s,mb4.7,baz=304,slow=6.9,SNR=17	LR	15 45 42.2		
STKA	comp=Z,654nm,20.2s,MS4.7,baz=276,slow=39	LR			
CHKZ	Chkalovo	55.37 342 P	15 19 46.8 -0.9		
CHKZ	comp=Z,27nm,0.8s,mb5.3	pmax	pmax		
KLR	Kul'dur	55.64 27 eP	15 19 46.0 -3.7		
KLR	comp=N,20nm,1.2s	eS	15 27 33.5 +1.5		
KLR	comp=E,25nm,1.2s	pmax	pmax		
KLR	comp=Z,34nm,1.2s,mb5.2	MLR	MLR		
KLR	comp=E,1µm,14.5s	MLR	MLR		
KLR	comp=Z,2µm,14.5s,MS5.3	MLR	MLR		
BOD	Bodaibo	57.06 11 eP	15 19 59.2 -0.6		
BOD	comp=Z,28nm,1.0s,mb5.2	pmax	pmax		
ASAJ	Asahikawa	58.29 38 LR	15 44 43.5		
ASAJ	comp=Z,235nm,20.6s,MS4.5,baz=177,slow=36	LR			
KMBO	Kilima Bogo	59.16 267 P	15 20 16.1 +1.0		
KMBO	comp=Z,2.9nm,0.8s,mb4.3,baz=54,slow=11.1,SNR=9.4	P	15 43 26.7		
KMBO	comp=Z,5.77nm,18.3s,MS4.7,baz=278,slow=34	LR			
KMBO	Kilima Bogo	59.16 267 eP	15 20 15.7 +0.6		
KMBO	comp=Z,5.3nm,0.9s,mb4.6	P			
GNI	Garni	59.87 316 i/P	15 20 19.6 0.0		
GNI	comp=Z,24nm,1.7s				

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

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 Kulim, Chiang Mai Arr, NWAo, etc.

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 SPX, San Pedro Mart, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ECNX, Esteban Cantu, etc.

IDC 19 15:35:23.9;1.0, 0.92N-97.65E, mb3.6/5, mb1 3.9/6, mb1mx3.7/20, mbtmp3.7/6, ML3.3/1, Error ellipse: s-maj=122.0km s-min=21.1km az=60.0, Northern Sumatara

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

IDC 19 15:37:32.1;5.2, 29.28N-113.28W, mb3.8/1, mb1 3.9/3, mb1mx3.5/21, mbtmp3.4/2, ML3.4/2, MS3.6/5, Mst 3.6/5, ms1mx3.3/20, Error ellipse: s-maj=71.5km s-min=49.7km az=127.0

NEIC 19 15:37:35.3;3.0, 29.60N-113.09W, h10km, mb3.3/2, Error ellipse: s-maj=39.7km s-min=13.9km az=206.0

ECX 19 15:37:50.2;0.3, 30.53N-114.51W, h8km, MD3.9, ML4.1, ISC 19 15:37:36.2;3.3, 29.90N-113.69W, h10, h10km, n31, a=110/30, mb3.7/1, MS3.8/3, 1C-1D, Gulf of California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SPX, San Pedro Mart, etc.

IDC 19 15:40:42.9;2.7, 22.08N-143.82E, h146km, 25km, mb3.3/7, mb1 3.6/9, mb1mx3.4/23, mbtmp3.8/9, Error ellipse: s-maj=29.4km s-min=15.6km az=94.0

NEIC 19 15:40:46.3;3.6, 22.05N-143.80E, h180km, 35km, mb4.0/1, Error ellipse: s-maj=70.6km s-min=16.8km az=95.0

ISC 19 15:40:42.4;2.6, 22.11N-143.8E, 0.2, h158km, 23km, n10, c=95/11, mb3.5/7, Volcano Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CBIJ, Chichi jima, etc.

IDC 19 15:41:05.1;2.7, 34.91S-177.41E, mb3.7/2, mb1 4.0/4, mb1mx3.8/13, mbtmp3.9/4, ML3.8/2, Error ellipse: s-maj=58.9km s-min=32.4km az=76.0

ISC 19 15:40:47.8;1.2, 35.3S-0.1, 178.5W, 0.2, h100km, n38, c=87/47, mb3.6/3, East of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MXZ, Matakaoa Pt, etc.

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

STR 19 15:43:14.6;0.1, 42.75N-1.05E, h5km, 1km, ML2.0, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

NEIC 19 15:43:14.6;4.2, 42.75N-1.05E, h5km, ML2.6(LDG), ML2.0(STR), MN2.1(MDD), After STR

CSEM 19 15:43:14.5;0.1, 42.78N-1.01E, h8km, ML2.6/11, Error ellipse: s-maj=1.9km s-min=1.4km az=163.0

LDG 19 15:43:15.5;0.0, 42.84N-1.00E, h3km, ML2.6/12, Error ellipse: s-maj=2.0km s-min=1.0km az=157.0

MDD 19 15:43:14.8;0.2, 42.74N-1.03E, h11km, mbl.2.19/16, Error ellipse: s-maj=2.0km s-min=1.3km az=18.0, PRXIMO, Pyrenees

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

ETSF 12m, 0.2s 1.16 278 ePn Pn 15 43 36.7 -0.5

EPOB 8.6m, 0.2s 1.38 178 Pg Pg 15 43 40.4 -2.1

EPOB 5.6m, 0.1s, SNR=7.9 1.38 178 Pn Pn 15 43 40.3 +0.2

EJON 1.2m, 0.2s, SNR=11 1.40 101 Pg Pg 15 43 40.9 -1.9

EJON 3.4m, 0.1s, SNR=6.8 1.40 101 Pg Pg 15 43 40.5 -2.4

EJON 3.4m, 0.1s, SNR=7.9 1.40 101 Pg Pg 15 43 40.9 -1.9

CFON 0.8m, 0.1s, SNR=11 1.43 133 Pg Pg 15 43 41.0 -2.3

ESAC 1.5m, 0.2s, SNR=11 1.50 228 Pn Pn 15 43 42.2 +0.4

ESAC 1.9m, 0.1s, SNR=7.9 1.50 228 Pg Pg 15 43 42.2 -2.6

ESAC 62m, 0.2s, SNR=7.9 1.50 228 Pg Pg 15 44 02.5

SJPF 1.9m, 0.1s, SNR=7.9 1.70 284 ePn Pn 15 43 44.0 -0.6

ERTA 1.2m, 0.2s, SNR=11 1.85 197 Pg Pg 15 43 48.9 -2.9

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include RUF, VIVF, TCF, MFF, SSF, etc.

BUI 19 16:17:16.3, 3.50N, 113.90E, h12km, mb4.0, Ms4.2, Msz3.7
IDC 19 16:17:16.2, 0.8, 3.57N, 114.06E, mb3.9/10, mb1.4/0.10, mb1mx3.9/21, mbtmp3.9/10, MS3.8/12, Ms1.3/9/12, ms1mx3.7/25, Error ellipse: s-maj=35.6km s-min=15.4km az=62.0

Main table for 19d 18h section, listing various stations like KKM, CMAR, FITZ, WRAB, ASAR, etc. with their respective coordinates and parameters.

IDC 19 16:30:03.0, 0.0, 15.97N, 92.97E, h26km, 5km, mb3.7/7, mb1.3/9.8, mb1mx3.7/20, mbtmp3.8/8, ML3.8/1, Error ellipse: s-maj=30.6km s-min=14.9km az=52.0
NEIC 19 16:30:03.9, 0.7, 16.01N, 93.07E, mb4.3/3, Error ellipse: s-maj=18.2km s-min=12.3km az=23.0

BUI 19 16:30:07.0, 16.00N, 93.10E, h26km, mb3.9
ISC 19 16:30:07.0, 6.16, 10.10N, 0.08, 92.92E, 0.06, h26km, h26km, 9km, pP, n28, r15/32, mb4.0/10, Bay of Bengal

Table for 19d 18h section, listing stations like CMAR, VIS, SHL, JIRN, etc. with their respective coordinates and parameters.

Main table for 2005 APR section, listing stations like MKAR, MKAR, SONM, ZAL, BVAR, CHKZ, etc. with their respective coordinates and parameters.

PRU 19 17:04:10.6, 50.35N, 18.73E
WAR 19 17:04:10.6, 50.26N, 18.86E, h0km, ML2.5, Mining

Table for 2005 APR section, listing stations like OJC, OKC, NIE, DPC, KSP, etc. with their respective coordinates and parameters.

DJA 19 18:04:19.1, 1.0, 8.94S, 116.47E, h33km, MD4.7/4, ML4.4/3, 5C-3D, Error ellipse: s-maj=21.5km s-min=17.2km az=136.0, Sumbawa region

Table for 2005 APR section, listing stations like KEDI, RATI, etc. with their respective coordinates and parameters.

BUI 19 18:17:55.9, 31.56N, 115.26W, h2km, mb4.8, mb4.6, Ms4.2, Msz4.0
ECX 19 18:17:59.0, 0.8, 31.51N, 115.63W, h5km, 6km, MD4.1, ML4.4

Table for 2005 APR section, listing stations like SPX, RDX, RDX, EMX, etc. with their respective coordinates and parameters.

Table for 770 section, listing stations like MDJ, CN2, WMQ, etc. with their respective coordinates and parameters.

IDC 19 18:31:10.7, 1.8, 13.60N, 91.03E, mb3.8/4, mb1.3/9.5, mb1mx3.7/21, mbtmp3.7/5, ML3.5/1, MS3.2/1, Ms1.3/2/1, ms1mx2.4/23, Error ellipse: s-maj=45.4km s-min=23.6km az=72.0

Table for 770 section, listing stations like VIS, CMAR, HYB, etc. with their respective coordinates and parameters.

NEIC 19 18:34:42.9, 2.1, 8.22S, 119.76E, h184km, 22km, mb4.3/7, Error ellipse: s-maj=27.6km s-min=10.2km az=56.0
DJA 19 18:34:44.0, 0.9, 8.44S, 119.33E, h240km, MD4.7/4, ML4.7/4, Error ellipse: s-maj=115.7km s-min=19.5km az=179.0

Table for 770 section, listing stations like KEDI, RATI, etc. with their respective coordinates and parameters.

IDC 19 18:34:44.4, 2.8, 8.23S, 119.80E, h202km, 30km, mb3.6/6, mb1.3/8.8, mb1mx3.5/20, mbtmp4.2/8, Error ellipse: s-maj=76.2km s-min=8.7km az=53.0

Table for 770 section, listing stations like KEDI, RATI, etc. with their respective coordinates and parameters.

SKHL 19 18:37:59.0, 9.48, 76N, 141.77E, h8km, 1km, mb3.8/4, Sakhalin Island

Table for 770 section, listing stations like CTA, STKA, etc. with their respective coordinates and parameters.

MEX 19 18:46:09.8, 0.6, 17.30N, 97.44W, h30km, 36km, MD3.6, 1D, Oaxaca



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

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

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

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

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

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

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

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

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

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

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

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

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

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

Fukuoka Prefecture. Several homes destroyed on Genkai-jima. Felt [IV] at Sasebo. Felt [III] at Pusan, South Korea. Felt at Beppu, Hiroshima, Ishahaya, Iwakuni, Nagasaki, Sasebo, Shimonoseki and Takeo. Also felt at Inch'on, Kwangju, Seoul and Ulsan, South Korea. Several landslides occurred in the epicentral area. Recorded [5U JMA] in Fukuoka and Saga; [4 JMA] in Nagasaki; [3 JMA] in Kumamoto and Oita; [2 JMA] in Kagoshima and Miyazaki Prefectures. Recorded [3 JMA] in the Tsushima Islands and [2 JMA] on Uku-jima. Recorded [4 JMA] in Yamaguchi; [3 JMA] in Shimane; [2 JMA] in Hiroshima and Hyogo; [1 JMA] in Iwate, Okayama and Tottori Prefectures. Honshu. Also recorded [3 JMA] in Ehime and [1 JMA] in Kagawa and Kochi Prefectures. Shikoku.

MOS 1921:11:28.6t.1.3, 33.64N:130.25E, h33km, mb5.3/8, MS5.1/46 Error ellipse: s-maj=7.2km s-min=-4.3km az=108.2

ISC 1921:11:29.7:0.3, 33.64N:130.22E, h29km, mb4.7/29, mb1 4.9/33, mb1mx4.8/36, mbtmp4.9/33, ML4.1/3, MS4.9/31, Ms1 4.9/31, ms1mx4.9/36, Error ellipse: s-maj=14.2km s-min=9.4km az=72.0

ISC 1921:11:27.0:0.1, 33.64N:130.27E:0.02, h19km, h19km:1.1km, pP, n550, ct1:12/523, mb5.1/160, MS5.1/158, 33C-54D, Kyushu

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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





Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like SVW2, IMA, MBWA, CTA, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like KAF, NWA0, FINES, RES, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like EDM, TBM, PSZ, etc.













20d 2h

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MBWA Marble Bar, XAN Xi'an, LZHZ Lanzhou, FITZ Fitzroy Crossi, etc.

2005 APR

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like YAK Yakutsk, BRTR Keskin Arr, OBN Obninsk, MAW Mawson, AKASG Malin Array B, etc.

780

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like CTA Charters Tower, STKA Stephens Creek, ASAR Alice Springs, WB2 Warramunga Arr, WRA Warramunga Arr, etc.





Table with columns: QUIL, Quistinic, 6.70 326 ePg, Pg, 03 21 48.2 -11, etc.

MOS 20 03:30:32.4-0.9, 36.53N-70.71E, h192km, mb4.2/2, Error ellipse: s-maj=23.0km s-min=8.5km az=94.7

NEIC 20 03:30:33.0-1.6, 36.51N-70.87E, h186km, 15km, mb4.3/3, Error ellipse: s-maj=15.2km s-min=8.8km az=54.0

IDC 20 03:30:36.5-3.3, 36.50N-70.92E, h223km, 30km, mb3.6/10, mb1 3.7/12, mb1mx3.5/23, mb1mp4.2/12, Error ellipse: s-maj=15.8km s-min=15.2km az=146.0

NNC 20 03:30:39.5-6.2, 37.05N-70.55E, h201km, 53km, mpv4.7, Error ellipse: s-maj=65.7km s-min=40.4km az=45.0

ISC 20 03:30:31.4-0.5, 36.45N-70.84E, h187km, 5km, h76, c094/90, mb3.9-10, 9C-6D, Hindu Kush region

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like CEP, CHCP, THW, etc.

Table with columns: INK, Inuvik, 73.98 9 eP, P, 03 41 48.2 +0.9, etc.

MOS 20 04:08:54.4-0.9, 51.68N-16.06E, h10km, mb4.4/3, Error ellipse: s-maj=7.2km s-min=3.6km az=77.8

CSEM 20 04:08:55.4-0.1, 51.58N-16.11E, h2km, mb4.2/2, ML4.0/11, Error ellipse: s-maj=1.3km s-min=0.9km az=98.0

BGR 20 04:08:56.8-0.5, 51.44N-16.16E, h1km, ML4.0/16, Error ellipse: s-maj=4.4km s-min=3.0km az=109.0

NEIC 20 04:08:56.0-0.3, 51.59N-16.07E, h5km, mb4.3/1, ML4.1(SZGRF), ML3.8(VIE), ML3.8(FUR), Error ellipse: s-maj=4.1km s-min=3.7km az=125.0

LDG 20 04:08:57.8-0.3, 51.59N-16.24E, h1km, MM.3/19, Error ellipse: s-maj=8.6km s-min=5.0km az=175.0, Suspected Mining induced.

IDC 20 04:08:57.5-0.5, 51.48N-15.94E, mb3.8/4, mb1 3.9/13, mb1mx3.8/27, mb1mp3.8/13, ML3.7/8, Error ellipse: s-maj=9.9km s-min=5.8km az=113.0

IPEC 20 04:08:57.7-0.2, 51.49N-16.11E, h9km, 1km, ML3.2/3, Error ellipse: s-maj=1.9km s-min=0.6km az=35.0

WAR 20 04:08:58.3-5.1, 49N-16.06E, h1km, ML3.6, Mining Induced.

UPP 20 04:09:03.0, 51.92N-15.34E, h0km, ML2.7, Mining explosion.

ISC 20 04:08:55.4-0.2, 51.44N-16.06E, 0.02, n165, c152/283, mb4.0/7, 12C-7D, Poland

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like KSP, Ksiaz, KSP, etc.

Main table with columns: KHC, Kasperke Hory, 2.78 215 ePg, Pg, 04 09 50.0 -0.9, etc. Includes stations like KHC, MOX, NOTT, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WLF Walferdange, HNF Hinterfeld, VIKU Wikiboland, etc.

IDC 20 04:23:25.6:2.9, 28.30S-64.42E, mb3.8/4, mb1 4.0/4, mb1mx3.6/20, mbtmp3.8/4, Error ellipse: s-maj=91.2km s-min=42.0km az=52.0, Indian Ocean Triple Junction

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

DJA 20 04:33:41.4:0.8, 9.53S-116.18E, h33km, MD4.7/4, ML4.3/3, 4C-5D, Error ellipse: s-maj=18.6km s-min=10.3km az=158.0, Sumbawa region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RATI Rata, KEDI Kedondong, KELI Kelakatan, etc.

CSEM 20 04:43:09.0:0.9, 38.57N-28.99W, h5km, 9km, ML2.0, Error ellipse: s-maj=18.0km s-min=8.4km az=180.0, After PDA

PDA 20 04:43:09.0:0.9, 38.57N-28.99W, h5km, 9km, MD3.1, ML2.0, Error ellipse: s-maj=18.0km s-min=8.4km az=180.0

SVSA 20 04:43:09.0:0.9, 38.57N-28.99W, h5km, 9km, MD3.1, ML2.0, Error ellipse: s-maj=18.0km s-min=8.4km az=180.0, Azores Islands

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

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

DJA 20 04:48:02.6:0.9, 9.52S-114.21E, h33km, MD4.8/3, ML3.4/3, 6C-1D, Error ellipse: s-maj=23.0km s-min=10.5km az=35.0, South of Bali

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SRDI Scrawed, KELI Kelakatan, RATI Rata, etc.

IGQ 20 05:18:54.2, 3.21S, 80.10W, h12km, 22km, mb4.2, 2C-1D, Error ellipse: s-maj=23.5km s-min=5.7km az=107.8, Peru-Ecuador border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HOJA Cerro de Hojas, ARRY Arayata, CUSU Cusua, etc.

IDC 20 05:26:21.9:1.8, 1.05N-126.14E, mb3.9/4, mb1 4.1/4, mb1mx3.9/17, mbtmp3.8/4, Error ellipse: s-maj=168.3km s-min=23.2km az=64.0, Northern Molucca Sea

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

IDC 20 05:51:12.3:14.0, 7.43S-128.35E, h102km, 158km, mb3.0/1, mb1 3.7/4, mb1mx3.4/16, mbtmp3.9/4, ML4.0/3, Error ellipse: s-maj=125.2km s-min=59.1km az=32.0, Banda Sea

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

IDC 20 05:56:04.0:2.8, 0.42S-123.10E, mb3.8/3, mb1 4.0/3, mb1mx3.7/18, mbtmp3.8/3, Error ellipse: s-maj=396.4km s-min=26.9km az=69.0, Minahassa Peninsula, Sulawesi

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

BUI 20 06:00:34.8, 1.91N-96.67E, h46km, mb4.9, mb4.9, Ms4.4, Ms4.2

MOS 20 06:00:36.3:1.2, 2.35N-96.70E, h33km, mb4.9/15, Error ellipse: s-maj=15.8km s-min=8.3km az=94.5

NEIC 20 06:00:37.0:0.5, 2.26N-96.55E, mb4.7/13, Error ellipse: s-maj=11.4km s-min=6.5km az=51.0

IDC 20 06:00:37.1:0.7, 2.31N-96.62E, h24km, 4km, mb4.2/14, mb1 4.3/15, mb1mx4.2/21, mbtmp4.4/15, ML4.4/1, MS3.7/4, Ms1 3.8/4, ms1mx3.4/23, Error ellipse: s-maj=34.8km s-min=12.1km az=47.0

IDC 20 06:00:35.4:0.4, 2.30N-96.61E, 0.05, h27km, h27km, 1.4km, pp-P, n83, 118/93, mb4.7/46, MS4.0/11, 4C-3D, Northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IPM Ipoh, KULL Kullim, SNG Songkhla, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KMI Kuning, SHL Shilong, GYA Guiyang, etc.



Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Warramunga Arr, Alice Springs, Ala-Archa, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Kulim, Songkhla, Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like N2J, N2J2, N2J3, etc.

NEIC 20 06:03:56.2-1.7, 19.1S; 0.2-169.6E, 0.3, h248km, 35km, Error ellipse: s-maj=97.5km s-min=22.1km az=159.0

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

IDC 20 06:03:57.2-1.4, 19.07S; 169.49E, h249km, 44km, mb3.5/6, s-maj=95.1km s-min=23.7km az=159.0

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

ISC 20 06:03:55.2-1.7, 19.1S; 0.2-169.6E, 0.3, h250km, n14, s102/12, mb3.7/6, Vanuatu Islands

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



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes entries for Kunigami, Indian Mount, MCKinley, etc.

IDC 2007:45:01.2-16.0, 0.10Sx125.89E, mb3.7/3, mb1 4.0/3, mb1mx3.6/17, mbtmt3.8/3, Error ellipse: s-maj=248.7km s-min=155.7km az=160.0, Southern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes entries for Warramunga Arr, Alice Springs, Stephens Creek, etc.

IDC 2007:52:39.0-4.0, 83.2N-22.89E, h24km, MD3.8/13, ML4.1, NEIC 2007:52:39.0, 4.0, 83.2N-22.90E, h24km, ML4.1 (ATF), After ATH. CSEM 2007:52:39.5-0.1, 4.0, 85N-22.89E, h15km, ML3.7, Error ellipse: s-maj=1.6km s-min=1.4km az=69.0. THE 2007:52:40.0, 4.0, 81N-22.94E, h10km, ML3.7. ISC 2007:52:39.1-0.4, 4.0, 81N-0.02-22.92E, 0.03, h12km, 3km, n57, r102/73, 13C-10D, Greece

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes entries for Thessaloniki, Valandovo, Polygyros, etc.

IDC 2008:15:19.0-4.2, 36.14N-141.49E, h45km, 35km, mb3.4/3, mb1 3.7/6, mb1mx3.4/23, mbtmt3.9/6, ML3.9/3, Error ellipse: s-maj=40.8km s-min=12.1km az=61.0. JMA 2008:15:18.7-0.1, 36.27N-141.37E, h54km, 3km, M3.2. ISC 2008:15:17.6-0.8, 36.23N-0.03, 141.49E-0.07, h48km, 9km, n19, r076/31, mb3.5/3, 1C-4D, Near east coast of eastern Honshu



BOSA Boshof 91.28 241 P P 10 18 54.3 +1.4
CPUP Villa Florida 146.53 183 PKPbc PKPbc 10 25 27.4 +2.8

CSEM 20 10:06:48.2-0.2, 57.58N-10.46E, h2km, ML2.8, Error ellipse: s-maj=5.3km s-min=2.1km az=19.0, Mining explosion.
NAO 20 10:06:49.5-2.5, 57.63N-10.61E, ML1.9
UPP 20 10:06:49.2, 57.50N-10.50E, h0km, ML2.8, Mining explosion.

Denmark
Code Station Name A° AZ° Phase ID Time Res
SNART Sneretom 1.86 290 Op Pn 10 07 22.8 +0.6

VXJU Vaesjoe 2.53 107 P Pn 10 07 30.5 -1.4
EKSU Eksjoe 2.58 92 P Pn 10 07 32.6 +0.1
LNKU Linkoeeping 2.70 77 P Pn 10 07 34.5 +0.2

BLSS Blasjo 2.72 310 eP Sg 10 08 08.5 +0.3
BLSS 2.72 310 eP Sg 10 08 18.6 -0.8

HFS Hagfors 2.91 33 Pn Pn 10 07 38.2 +0.9
HFS 2.91 33 Pn Pn 10 07 43.2 -3.9

ODDI Odda 2.98 319 eP Pn 10 07 38.5 +0.3
ODDI 2.98 319 eP Pn 10 08 15.2 +0.1

OSKU Oskarshamm 3.06 98 P Pn 10 07 38.6 -0.9
KMY Karmoy 3.14 300 eP Sg 10 08 18.2 -1.1

KMY Karmoy 3.14 300 eP Pn 10 07 40.5 -0.1
KMY 3.14 300 eP Pn 10 08 18.2 -1.1

VSTU Vaestervik 3.23 89 P Pn 10 07 41.7 -0.1
NB2 NORSAR Subarra 3.33 6 Pn Pn 10 07 43.8 +0.4

VIKU Vikbolandet 3.37 74 P Pn 10 07 44.3 +0.5
EGD Espegrend 3.74 315 eP Sg 10 07 49.4 +0.4

ASK Askoy 3.89 317 eP Sg 10 07 51.9 +0.7
FIAO FINESS Array S 8.72 58 Pn Pn 10 08 56.9 -2.3

ARA0 ARCES Array S 13.52 23 Pn P 10 09 59.4 -4.7

CSEM 20 10:08:36.0-2.5, 93N-24.46E, h36km, MD3.5/3, After ATH
ATH 20 10:08:35.5, 36.00N-24.47E, h23km, 4km, MD3.6/5, Southern Greece

YAM Vamos 0.63 200 Op Pn 10 08 48.3 -0.7
NPS Neapolis 1.19 128 eP Pn 10 08 57.5 +0.6

NEIC 20 10:09:21.6-1.4, 18.75S-175.16W, h158km, 14km, mb4.5/5, Error ellipse: s-maj=15.0km s-min=10.2km az=139.0
IDC 20 10:09:28.6-2.9, 18.84S-175.26W, h219km, 27km, mb3.7/11, mb1.3/9/11, mb1mx3.7/20, mbtmp4.2/11, MS3.6/1, Ms1.3.6/1, ms1mx2.7/29, Error ellipse: s-maj=22.1km s-min=14.0km az=147.0

Code Station Name A° AZ° Phase ID Time Res
AFI Afiamalu 5.85 35 eP P 10 10 45.4 -0.7

URZ Urewera 20.55 197 eS S 10 11 39.2 -1.3
RPZ Rata Peaks 27.43 202 P P 10 14 53.7 +0.4

CTA Charters Tower 36.30 261 P P 10 16 11.7 +1.1
CTA 36.30 261 P P 10 16 11.7 +1.1

STKA Stephens Creek 40.90 243 P P 10 16 49.2 +0.6
STKA 40.90 243 P P 10 16 49.2 +0.6

WRA Warramunga Arr 47.46 260 P P 10 17 41.3 0.0
ASAR Alice Springs 47.48 255 P P 10 17 41.3 0.0

ASAR 47.48 255 P P 10 17 41.3 0.0
ASAR 47.48 255 P P 10 19 08.5 -0.8

KAKA Kakadu 50.59 269 P P 10 18 05.1 -0.1
FITZ Fitzroy Crossi 55.87 260 P P 10 18 43.7 -0.4

VNDA Vanda 99.88 196 P P 10 19 10.8 -0.4
GSPA South Pole Qui 71.30 180 eP P 10 20 23.4 -0.5

NVAR Mina Array Baa 77.98 42 P P 10 21 02.6 -0.1
TXAR Lajitas Array 83.92 56 P P 10 21 34.6 +0.5

ILAR Eleanora Array 86.07 12 P P 10 21 46.2 +2.3
VN3 Neumayer Olymp 89.67 175/1 P P 10 22 00.1 -0.8

LDG 20 10:40:45.1-0.4, 16.98S-71.18W, h10km, Mb5.3/22, Ms4.1/7, Error ellipse: s-maj=27.1km s-min=20.8km az=54.0

BUI 20 10:40:46.7, 17.56S-72.18W, h26km, Mb5.4, Ms4.9, Ms2.8
IDC 20 10:40:47.3-0.4, 17.57S-71.36W, h29km, 2km, mb4.7/19, mb1.4/9/22, mb1mx4.9/23, mbtmp4.9/22, ML6.5/1, MS4.2/21, Ms1.4/2/21, ms1mx4.1/30, Error ellipse: s-maj=15.0km s-min=10.1km az=68.0

HRVD 20 10:40:47.3-0.5, 17.86S-71.42W, h44km, 2km, MW4.9/37, Centroid moment Tensor Solution. LP body waves: s13, c15, Mantle waves: s37, c52; Half duration: 0 Moment tensor: Scale 10^19Nm; Mir-1.1h, 2T; Mw-0.07h; 16; Mw-1.19h; 21; Mw-0.93h; 14; Mw-2.09h; 14; Mw-0.82h; 20; Best double couple: Mu2.448x10^16 NP1.8x10^17, 854°, lambda-165°. NP2.8x73°, delta78°, lambda-37°. Principal axes: T, 3.091, P16°, Azm127°; N-1.281, P165°, Azm239°; P-1.804, P163°, Azm26°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 20 10:40:47.3-0.1, 17.58S-71.35W, mb5.2/91 Error ellipse: s-maj=5.5km s-min=3.4km az=60.0
NEIC Felt [I] at Ilo and Moquegua; [II] at Arequipa. Felt [II] at Arequipa, Chile

IS20 20 10:40:45.5-0.2, 17.57S-0.03-71.37W, 0.04, h28km, h28km, 5km, pP-P, n268, 0.998/221, mb5.1/105, MS4.3/25, 9C-11D, Near coast of Peru

Code Station Name A° AZ° Phase ID Time Res
ARE Arequipa 1.10 354/1 P Pn 10 41 09.1 +3.8

LPAZ La Paz 3.35 68 Pn Pn 10 41 45.2 +7.9
LPAZ 3.35 68 Pn Pn 10 41 45.2 +7.9

LPZV Limon Verde 5.52 156 Pn Pn 10 42 07.5 -0.6
LVC 5.52 156 Pn Pn 10 42 07.5 -0.6

LVC Limon Verde 5.52 156 eP Pn 10 42 07.4 -0.7
LVC 5.52 156 eP Pn 10 42 07.5 -0.6

LVC Limon Verde 5.52 156 eP Pn 10 42 07.5 -0.6
LVC 5.52 156 eP Pn 10 43 10.0 -1.5

SPCH San Pedro de A 6.09 151 eP Sg 10 42 16.0 -0.1
SPCH 6.09 151 eP Sg 10 42 16.0 -0.1

ANT Antofagasta 6.15 172 eP Sg 10 43 18.8 -8.3
CPNI Cerro Paranal 7.08 173 eP Sg 10 43 41.4 -9.1

NNA Nana 7.67 316 eP Pn 10 43 36.6 +0.4
SIV San Ignacio 9.98 82 Pn Pn 10 43 10.2 -0.1

SIV 9.98 82 Pn Pn 10 45 02.0 -0.5
SIV 9.98 82 Pn Pn 10 43 33.2 -0.5

SAML Samuel 11.69 44 eP Pn 10 43 33.2 -0.5
CFAA Coronel Fontan 14.26 169 Pn P 10 44 08.1 +0.3

CFAA 14.26 169 Pn P 10 44 08.1 +0.3
CFAA 14.26 169 Pn P 10 44 23.9 +0.4

MPZ Villa Florida 15.66 126 Pn P 10 44 22.7 -3.4
CPUP Villa Florida 15.66 126 eP Pn 10 51 45.7

CPUP 15.66 126 eP Pn 10 44 22.7 -3.9
OTAV Otavalo 19.02 338 P P 10 45 09.3 +1.3

TRQA Torquistei 21.01 160 eP P 10 45 38.2 -1.1
BDBF Brasilia 22.46 89 P P 10 45 45.0 +1.1

BDBF 22.46 89 P P 10 45 56.4
BDBF 22.46 89 P P 10 55 13.7

ROSC El Rosal 22.47 352 P P 10 45 45.0 +1.0
ROSC 22.47 352 P P 10 55 10.3

ROSC 22.47 352 P P 10 45 45.0 +1.0
BAO Brasilia Flores 22.48 89 P P 10 45 40.9 +0.9

BAO 22.48 89 P P 10 45 48.0
PLCA Paso Flores 23.10 178 P P 10 45 50.2 +0.2

PLCA 23.10 178 P P 10 49 38.1 -1.9
PLCA 23.10 178 P P 10 53 38.3

PLCA 23.10 178 P P 10 45 50.1 +0.1
SDV Santo Domingo 26.29 2 P P 10 46 19.8 -1.0

SDV 26.29 2 P P 10 57 45.9
SDV 26.29 2 P P 10 46 19.4 -1.4

CAMA Nova Friburgo 27.46 105 (P) P 10 46 31.1 -0.3
CAM4 27.46 105 (P) P 10 46 36.6

WMOK Wichita Mountain 58.18 333 eP P 10 50 38.1 -1.5
WMOK 58.18 333 eP P 10 50 38.1 -1.5

BLO Bloomington 58.19 346 eP P 10 50 37.5 -2.0
SSPA Standing Stone 58.25 354 eP P 10 50 39.3 -0.4

CCM Cathedral Cave 58.40 342 eP P 10 50 39.4 -1.6
ACSO Alum Creek Sta 58.51 350 eP P 10 50 40.1 -1.6

SLM Salt Lake 58.64 343 eP P 10 50 39.5 -3.1
MNTX Cornudas Mount 58.86 326 eP P 10 50 42.3 -2.0

MNTX 58.86 326 eP P 10 50 51.2 -1.9
BRYV Bryant College 59.18 360 eP P 10 50 45.4 -1.0

ALLY Alepheny Chy 59.47 352 eP P 10 50 47.7 -0.7
RKT Rikitea 59.50 353 eLR LR 11 08 13.8

AMTX Amarillo 59.59 331 eP P 10 50 48.1 -1.2
HRV Harvard-Oak R 59.77 360 eP P 10 50 49.8 -0.6

HRV 59.77 360 eP P 10 50 58.8 -0.5
ERPA Erie 59.91 353 eP P 10 50 50.6 -0.8

GENY Geneseo 60.32 355 eP P 10 50 53.9 -0.4
ACFN Adirondack Com 60.68 358 eP P 10 50 56.0 -0.7

FFD Franklin Falls 60.73 360 eP P 10 50 52.7 -4.8
HNN Hanover 60.97 359 eP P 10 50 59.8 -6.0

KSUI Kansas State U 61.12 338 eP P 10 50 58.4 -1.3
NCB Newcomb 61.29 358 eP P 10 51 00.1 -0.7

ANMO Albuquerque 61.96 328 eP P 10 51 09.2 -0.4
CBKS Cedar Bluff 62.06 335 eP P 10 51 05.2 -0.3

SDCO Great Sand Dun 63.70 330 eP P 10 51 17.0 +0.1
SDCO 63.70 330 eP P 10 51 25.4 -0.3

VNA3 Neumayer Olymp 64.52 162 eP P 10 51 29.6 +7.8
VNA3 64.52 162 eP P 10 51 32.9 +1.1

VNA3 64.52 162 eP P 10 51 36.8 +1.7
VNA3 64.52 162 eP P 10 51 41.4 -0.4

VNA3 64.52 162 eP P 10 51 29.6 -0.9
VNA3 64.52 162 eP P 10 51 32.9

VNA3 64.52 162 eP P 10 51 38.6
VNA3 64.52 162 eP P 10 51 53.9

VNA3 64.52 162 eP P 10 51 41.6
VNA3 64.52 162 eP P 10 51 30.3 +7.1

VNA1 Neumayer-Stat 64.74 161 eP P 10 51 33.5 +1.0
VNA1 64.74 161 eP P 10 51 39.4 +1.6

VNA1 64.74 161 eP P 10 51 56.3 -0.2
VNA1 64.74 161 eP P 10 51 22.3 -0.9

VNA1 64.74 161 eP P 10 51 33.5 +1.7
VNA1 64.74 161 eP P 10 51 39.4

VNA1 64.74 161 eP P 10 51 56.3
VNA1 64.74 161 eP P 10 53 43.8

WUAZ Wupatki 65.00 325 eP P 10 51 25.9 +0.5
WUAZ 65.00 325 eP P 10 51 32.7 +7.2

WUAZ 65.00 325 eP P 10 51 35.5 +1.0
WUAZ 65.00 325 eP P 10 51 40.0 +1.4

WUAZ 65.00 325 eP P 10 51 53.9 +1.5
WUAZ 65.00 325 eP P 10 51 25.2 -0.3

WUAZ 65.00 325 eP P 10 51 32.7 -1.6
WUAZ 65.00 325 eP P 10 51 35.5 +1.2

PV01 Paradox Valley 65.50 328 eP P 10 51 59.1 +0.5
PV10 Paradox Valley 65.92 328 eP P 10 51 30.5 -0.8

BAR Barrett 66.13 319 eP P 10 51 33.4 +0.7
PHWY Pilot Hill 66.55 333 eP P 10 51 35.2 0.0











Table with columns: EADA, Adamuz, 3.29 354, P, Pn, 13 49 01.7 +2.7, etc.

NEIC 20 14:06:21.0, 2.0, 7.35S, 128.64E, h122km, 21km, mb4.7/3, Error ellipse: s-maj=21.5km s-min=13.0km az=73.0

ISC 20 14:06:20.9, 1.7, 7.43S, 108.128.7E, 0.1, h142km, 18km, n17, 0.95/25, mb3.8/6, Banda Sea

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

ISC 20 14:12:57.9, 2.6, 7.61S, 156.11E, mb3.8/4, mb1 4.0/4, mb1mx3.7/15, mbtmp3.8/4, MS3.1/4, Ms1 3.1/4, ms1mx2.9/26, Error ellipse: s-maj=82.0km s-min=35.0km az=127.0, Bougainville - Solomon Islands region

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

ISC 20 14:32:11.3, 7.3, 2.90N, 127.26E, mb3.6/3, mb1 3.8/3, mb1mx3.4/18, mbtmp3.6/3, Error ellipse: s-maj=143.9km s-min=114.3km az=77.0, Northern Molouca Sea

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

NEIC 20 14:53:27.6, 2.5, 1.48N, 127.36E, h129km, 26km, mb4.4/4, Error ellipse: s-maj=24.8km s-min=8.1km az=69.0

ISC 20 14:53:28.6, 2.3, 1.49N, 127.31E, h139km, 18km, mb3.7/9, mb1 3.9/10, mb1mx3.7/20, mbtmp4.2/10, Error ellipse: s-maj=48.2km s-min=10.3km az=69.0

ISC 20 14:53:26.0, 4.0, 1.5N, 0.1, 127.3E, 0.2, h128km, 40km, n20, 0.855/21, mb4.2/10, 1.0C, Halmahera

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

Table with columns: SONM Sogingo Array, 49.57 342, P, P, 15 02 05.6 -0.3, etc.

ATH 20 14:54:36.5, 34.29N, 26.71E, h10km, MD3.5/3, CSEM 20 14:54:39.1, 0.0, 34.13N, 26.34E, h25km, MD3.5, Error ellipse: s-maj=0.9km s-min=0.2km az=56.0

HLW 20 14:54:43.3, 34.02N, 26.44E, h17km, Mb3.1, ISC 20 14:54:36.8, 0.9, 34.29N, 0.0, 27.26E, 0.1, h10km, n6, 0.859/7, 1C-2D, Crete

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

ISC 20 15:21:37.8, 1.6, 2.0, 36S, 69.00W, h113km, 15km, mb3.7/5, mb1 3.8/8, mb1mx3.6/17, mbtmp4.1/8, Error ellipse: s-maj=33.9km s-min=13.0km az=104.0

NEIC 20 15:21:37.2, 0.9, 2.0, 27S, 69.09W, h107km, 11km, mb4.1/1, Error ellipse: s-maj=17.9km s-min=9.9km az=90.0

ISC 20 15:21:36.0, 0.6, 2.0, 27S, 0.4, 69.1W, 0.1, h112km, gkm, n12, 0.98/16, mb3.8/3, Northern Chile

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

NEIC 20 15:47:56.8, 0.7, 31.65S, 67.05W, h125km, 8km, mb4.5/1, Error ellipse: s-maj=19.6km s-min=9.6km az=80.0

ISC 20 15:47:58.0, 2.5, 31.57S, 67.28W, h134km, 23km, mb1 3.5/3, mb1mx3.3/15, mbtmp4.0/3, Error ellipse: s-maj=85.3km s-min=24.5km az=104.0

ISC 20 15:47:55.9, 1.0, 31.58S, 0.09, 66.79W, 0.10, h100km, n12, 0.635/9, La Rioja Province

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

ISC 20 16:16:13.7, 1.6, 6.71S, 121.48E, mb3.4/1, mb1 3.7/4, mb1mx3.4/19, mbtmp3.5/4, ML3.5/3, Error ellipse: s-maj=163.4km s-min=24.4km az=58.0, Flores Sea

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

ISC 20 16:41:59.2, 6.0, 0.43N, 99.52E, mb3.2/3, mb1 3.5/3, mb1mx3.3/18, mbtmp3.2/3, Error ellipse: s-maj=313.3km s-min=29.9km az=54.0, Northern Sumatra

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

ISC 20 16:48:58.0, 0.6, 23.94N, 46.34W, mb4 2/16, mb1 4.3/17, mb1mx4.2/27, mbtmp4.2/17, ML 6.3/1, MS3.9/18, Ms1 2.9/18, ms1mx3.9/21, Error ellipse: s-maj=20.2km s-min=14.7km az=113.0

BUI 20 16:48:59.6, 24.00N, 46.20W, h12km, mb5.1, Ms4.9, Ms2.6

NEIC 20 16:48:59.6, 0.3, 23.96N, 46.24W, h10km, mb4.7/29, MS4.4/1, Error ellipse: s-maj=7.8km s-min=5.2km az=157.0

ISC 20 16:48:57.9, 0.3, 23.97N, 0.06, 46.26W, 0.05, h10km, n78, 0.993/68, mb4.4/3, MS4.0/18, Northern Mid-Atlantic Ridge

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

Table with columns: PCRV Puerto La Cruz, 22.25 235, P, P, 16 53 57.9 +1.3, etc.

comp=Z, 507nm, 19.3s, baz=92, slow=32

comp=Z, 235nm, 22.0s, MS3.6, baz=21, slow=33

comp=Z, 380nm, 21.7s, MS3.9, baz=70, slow=34

comp=Z, 159nm, 19.8s, MS3.8, baz=130, slow=32

comp=Z, 205nm, 21.2s, MS3.8, baz=21, slow=35

comp=Z, 199nm, 18.2s, MS4.0, baz=2.6, slow=34

comp=Z, 198nm, 22.0s, MS4.0, baz=266, slow=35

comp=Z, 198nm, 18.8s, MS4.1, baz=260, slow=32

comp=Z, 198nm, 18.1s, MS3.9, baz=255, slow=33

comp=Z, 150nm, 18.8s, MS4.1, baz=260, slow=32

comp=Z, 195nm, 20.6s, MS4.0, baz=30, slow=31

comp=Z, 195nm, 18.1s, MS3.9, baz=255, slow=33

comp=Z, 150nm, 18.8s, MS4.1, baz=260, slow=32

comp=Z, 195nm, 18.1s, MS3.9, baz=255, slow=33

comp=Z, 195nm, 18.1s, MS3.9, baz=255, slow=33

comp=Z, 195nm, 18.1s, MS3.9, baz=255, slow=33

comp=Z, 195nm, 18.1s, MS3.9, baz=255, slow=33

comp=Z, 195nm, 18.1s, MS3.9, baz=255, slow=33

comp=Z, 195nm, 18.1s, MS3.9, baz=255, slow=33

comp=Z, 195nm, 18.1s, MS3.9, baz=255, slow=33

comp=Z, 195nm, 18.1s, MS3.9, baz=255, slow=33

comp=Z, 195nm, 18.1s, MS3.9, baz=255, slow=33

comp=Z, 195nm, 18.1s, MS3.9, baz=255, slow=33

comp=Z, 195nm, 18.1s, MS3.9, baz=255, slow=33

comp=Z, 195nm, 18.1s, MS3.9, baz=255, slow=33

comp=Z, 195nm, 18.1s, MS3.9, baz=255, slow=33

comp=Z, 195nm, 18.1s, MS3.9, baz=255, slow=33

comp=Z, 195nm, 18.1s, MS3.9, baz=255, slow=33

comp=Z, 195nm, 18.1s, MS3.9, baz=255, slow=33

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

Table with columns: WMO, comp, station name, time, and other parameters. Includes stations like WMO, NMJ, VNSA, VNSA, CMAR, etc.

IDC 20 16:50:49.2, 1.8, 1.23S, 100.26E, mb4.1/9, mb1 4.2/10, mb1mx3.9/20, mbtmp4.0/10, ML4.0/1, MS3.5/1, Ms1 3.7/1, ms1mx3.0/30, Error ellipse: s-maj=85.6km s-min=15.4km bz=56.0

NEIC 20 16:50:53.0, 1.0, 0.62S, 101.03E, h10km, mb4.2/3, Error ellipse: s-maj=45.4km s-min=8.1km az=58.0

ISC 20 16:50:52.7, 1.4, 1.1S, 0.2, 100.4E, 0.3, h33km, n16, 0598/16, mb4.1/11, Southern Sumatara

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KULM, CM31, CMAR, FITZ, LSA, WRA, WRAB, WB2, ASPA, ASAR, SONM, STKA, MKAR, ZAL, BVAR, FINES.

IDC 20 16:54:36.9, 5.1, 1.61S, 97.17E, mb3.7/5, mb1 3.8/5, mb1mx3.6/20, mbtmp3.7/5, Error ellipse: s-maj=203.1km s-min=98.0km az=142.0, Southwest of Sumatara

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMAR, SONM, MKAR, ZAL, BVAR.

CSEM 20 16:56:13.2, 34.24N, 10.02E, h10km, MD4.4, After SBS TUN 20 16:56:13.2, 34.24N, 10.02E, h10km, MD4.4, TUN

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BERT, TROT, ZGN.

NEIC 20 17:17:29.6, 16.30N, 98.25W, h7km, MD3.8(MEX), After MEX

MEX 20 17:17:29.3, 0.7, 16.31N, 98.26W, h8km, 4km, MD3.8, 1C-1D, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PNIG, VHO, OAXA, ACX, CAIG, HUIG, PLIG, PPM, ISM, CMIG.

IDC 20 17:18:33.2, 1.9, 11.58S, 121.59E, mb3.9/1, mb1 3.9/4, mb1mx3.6/15, mbtmp3.8/4, ML3.6/3, MS3.3/1, Ms1 3.3/1, ms1mx2.6/22, Error ellipse: s-maj=156.9km s-min=25.8km bz=54.0

NEIC 20 17:18:35.2, 1.1, 11.42S, 121.86E, h10km, mb4.6/1, Error ellipse: s-maj=22.7km s-min=12.9km az=221.0

ISC 20 17:18:33.8, 0.7, 11.8S, 0.1, 121.3E, 0.1, h33km, n15, 01558/18, mb3.9/1, MS3.2/1, 6C, South of Timor

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KEDI, RATI, FITZ, KREL, SLDI, MBWA, WRA, WRA, WRAB, WB2, ASPA, ASAR, ASAR.

Table with columns: MUN, YOMI, JOW, MKAR, station name, time, and other parameters. Includes stations like Mundaring, Yo Mokole, Kunigami, Machanchi Array.

NIED 20 17:20:00, 33.90N, 134.70E, h56km, Mw3.4, Best double couple: Mb1.31x10^14 NP1 30s, 172, 882, lambda-81. NP2: 36304, 872, lambda-171

JMA 20 17:20:58.6, 33.90N, 134.65E, h45km, 1km, M3.5, 8C-2D Broadband fault plane solution: P waves. NP1: 0.27, 839, lambda-37. NP2: 0.148, 867, lambda-123. Principal axes: T P162.5, Azm261; N P1630, Azm161; S P1655, Azm16;

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JAI, JAU, JAW, JMW, JMN, JJS, JWS, JWW, JAD, JHE, JET.

IDC 20 17:23:19.8, 0.6, 1.80N, 97.76E, mb4.6/17, mb1 4.6/18, mb1mx4.4/25, mbtmp4.5/18, ML4.8/1, MS3.9/18, Ms1 3.9/18, ms1mx3.8/28, Error ellipse: s-maj=30.5km s-min=11.2km az=53.0

BUI 20 17:23:22.4, 1.74N, 97.89E, h33km, mb4.7, mb4.8, Ms4.3, Ms4.0

MOS 20 17:23:23.1, 0.8, 1.85N, 97.86E, h33km, mb5.0/24, Error ellipse: s-maj=14.5km s-min=7.3km az=108.7

NEIC 20 17:23:24.1, 0.3, 1.80N, 97.75E, h30km, mb4.7/17, Error ellipse: s-maj=11.4km s-min=5.6km az=80.0

ISC 20 17:23:23.1, 0.3, 1.73N, 0.04, 97.79E, 0.05, h34km, h34km, 2.1km, pP, n127, 01515/28, mb4.7/58, MS3.9/29, 2C-3D, Northern Sumatara

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IPM, KULM, KGM, SNG, NNT, NST, CM31, CMAR, CHG, NANT, KKM, TSI, QIZ, QIZ, QIZ.

comp-Z, 222nm, 26.0s, 23.74 11 P P 17 28 34.0 +0.6

comp-Z, 14nm, 1.0s, mb4.3, 17 28 44.4

comp-Z, 118nm, 4.9s, 17 28 48.9

comp-Z, 14nm, 1.0s, mb4.3, 17 28 46.1 +3.0

comp-Z, 550nm, 15.5s, MS4.1, 17 28 38.3 -1.2

comp-Z, 20nm, 0.8s, mb4.7, 17 28 39.8 -1.7

comp-Z, 20nm, 0.8s, mb4.7, 17 28 39.8 -1.7

comp-Z, 14nm, 0.4s, mb4.9, 17 29 14.0 +0.1

comp-Z, 12nm, 0.4s, mb4.9, 17 29 17.1 +0.1

comp-Z, 30nm, 0.4s, mb5.2, 17 29 18.5 +1.2

comp-Z, 8.6nm, 0.4s, mb4.8, 17 29 33.3 +1.3

comp-Z, 10.0nm, 0.9s, mb4.5, 17 29 33.3 +1.3

comp-Z, 10.0nm, 0.4s, mb4.9, 17 29 33.3 +1.3

comp-Z, 9.6nm, 0.4s, mb4.9, 17 29 33.3 +1.3

comp-Z, 1.5nm, 0.5s, baz=304, slow=7.3, SNR=5.8, 17 44 33.8

comp-Z, 9.0nm, 0.7s, mb4.8, 17 30 01.6 -2.5

Table with columns: LZH, station name, time, and other parameters. Includes stations like Lanzhou, Lanzhou, Lanzhou, Lanzhou.

comp-Z, 32nm, 1.5s, mb5.0, 17 30 10.1 -1.4

comp-Z, 495nm, 16.8s, MS4.3, 17 30 19.5 -1.9

comp-Z, 32nm, 1.5s, mb5.0, 17 30 19.5 -1.9

comp-Z, 500nm, 16.8s, MS4.3, 17 30 23.5 -2.3

comp-Z, 500nm, 16.8s, MS4.3, 17 30 26.3 +2.3

comp-Z, 10.0nm, 0.6s, mb4.9, 17 30 21.0

comp-Z, 10.0nm, 0.6s, mb4.9, 17 30 21.0

comp-Z, 330nm, 27.1s, MS4.0, 17 30 23.0 -5.5

comp-Z, 81nm, 3.8s, 17 30 31.8 -6.6

comp-Z, 101nm, 29.2s, MS3.5, 17 30 35.9

comp-Z, 155nm, 27.9s, MS3.6, 17 30 38.9 +1.2

comp-Z, 160nm, 27.9s, MS3.6, 17 30 38.9 +1.2

comp-Z, 4.1nm, 0.5s, mb4.5, 17 30 33.0 -0.9

comp-Z, 15nm, 0.9s, mb4.7, 17 30 35.3 -0.7

comp-Z, 54nm, 7.2s, 17 30 47.8 +1.5

comp-Z, 120nm, 23.2s, MS3.6, 17 30 49.4 +0.7

comp-Z, 15nm, 0.9s, mb4.7, 17 30 49.4 +0.7

comp-Z, 15nm, 0.9s, mb4.7, 17 30 49.4 +0.7

comp-Z, 15nm, 0.9s, mb4.7, 17 30 49.4 +0.7

comp-Z, 15nm, 0.9s, mb4.7, 17 30 49.4 +0.7

comp-Z, 15nm, 0.9s, mb4.7, 17 30 49.4 +0.7

comp-Z, 15nm, 0.9s, mb4.7, 17 30 49.4 +0.7

comp-Z, 15nm, 0.9s, mb4.7, 17 30 49.4 +0.7

comp-Z, 15nm, 0.9s, mb4.7, 17 30 49.4 +0.7

comp-Z, 15nm, 0.9s, mb4.7, 17 30 49.4 +0.7

comp-Z, 15nm, 0.9s, mb4.7, 17 30 49.4 +0.7

comp-Z, 15nm, 0.9s, mb4.7, 17 30 49.4 +0.7

comp-Z, 15nm, 0.9s, mb4.7, 17 30 49.4 +0.7

comp-Z, 15nm, 0.9s, mb4.7, 17 30 49.4 +0.7

comp-Z, 15nm, 0.9s, mb4.7, 17 30 49.4 +0.7













Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
CMAR	0.3nm,0.3s,baz=199,slow=12,SNR=20	LR	LR		20 53 15.4	
KKM	comp=Z,1.21nm,19.6s,baz=190,slow=38	P	P		20 46 46.8 -1.3	
KKM	Kota Kinabalu 19.60 76 eP	P	P		20 46 48.3 +0.4	
QIZ	Qiongzhong 21.59 34 eP	S	S		20 50 57.8 -3.4	
QIZ	QIZ 21.59 34 eP	S	S		20 50 57.8 -3.4	
QIZ	comp=N,135nm,15.8s,MS3.6	LR	LR			
QIZ	comp=E,109nm,12.5s,MS3.6	LR	LR			
QIZ	comp=Z,1.05nm,14.8s,MS3.4	LR	LR			
KMI	Kunming 24.31 12 P	P	P		20 47 36.6 +1.3	
KMI	KMI 24.31 12 P	P	P		20 47 36.6 +1.3	
KMI	comp=Z,5.0nm,1.3s,mb3.8	AMB	AMB			
KMI	comp=Z,4.7nm,3.2s	LR	LR			
KMI	comp=N,310nm,13.4s,MS4.1	LR	LR			
KMI	comp=E,234nm,11.7s,MS4.1	LR	LR			
KMI	comp=Z,325nm,14.2s,MS4.0	LR	LR			
KMI	Kunming 24.31 12 P	P	P		20 47 36.6 +1.3	
KMI	comp=Z,5.0nm,1.3s,mb3.8	sP	sP		20 47 43.4	
KMI	KMI 20 47 43.4	sP	sP		20 52 02.0 +1.2	
KMI	KMI 20 52 02.0 +1.2	sP	sP		20 52 10.6	
KMI	KMI 20 52 10.6	sP	sP			
SHL	Shilong 24.67 348 eP	P	P		20 47 39.0 +0.3	
GYA	Guiyang 26.66 191 iP	P	P		20 47 55.1 -2.1	
GYA	GYA 20 48 04.0 -0.8	AP	AP		20 48 04.0 -0.8	
GYA	GYA 20 48 04.0 -0.8	XP	XP		20 48 04.0 +0.2	
GYA	GYA 20 48 04.0 +0.2	S	S		20 52 22.8 -6.1	
GYA	GYA 20 52 22.8 -6.1	S	S			
GYA	comp=Z,20nm,0.8s,mb4.7	AMB	AMB			
GYA	comp=Z,90nm,3.0s	AMB	AMB			
GYA	comp=N,240nm,15.0s,MS4.1	LR	LR			
GYA	comp=E,310nm,15.8s,MS4.1	LR	LR			
GYA	comp=Z,230nm,15.2s,MS3.9	LR	LR			
JIRN	Jiri 28.25 339 eP	P	P		20 48 12.3 +0.5	
PKI	Pulchoki 28.46 338 eP	P	P		20 48 13.9 +0.3	
GUN	Gumba 28.59 339 eP	P	P		20 48 15.1 +0.3	
DMN	Daman 28.61 337 eP	P	P		20 48 15.2 +0.2	
KKN	Kakani 28.71 338 eP	P	P		20 48 15.8 0.0	
LSA	Lhasa 28.83 349 P	P	P		20 48 17.3 +0.3	
LSA	Lhasa 28.83 349 eP	P	P		20 48 17.6 +0.7	
GKN	Gorkha 29.15 337 eP	P	P		20 48 19.6 -0.2	
KOLN	Koldanda 29.36 335 eP	P	P		20 48 22.1 +0.3	
ENH	Enshi 31.12 21 eP	P	P		20 48 35.2 -2.2	
ENH	Enshi 31.12 21 eP	P	P		20 48 35.2 -2.2	
FITZ	Fitzroy Crossi 34.02 126 eP	P	P		20 48 42.5 -2.4	
XAN	Xi'an 34.40 17 P	P	P		20 49 01.5 -1.1	
XAN	XAN 34.40 17 P	P	P		20 49 06.4 +0.6	
GTA	Gaotai 34.03 3 P	P	P		20 49 36.4 0.0	
GTA	Gaotai 34.03 3 P	P	P		20 49 44.1 -0.1	
GTA	Gaotai 20 49 44.1 -0.1	AP	AP		20 51 04.5 -2.2	
GTA	Gaotai 20 51 04.5 -2.2	SS	SS		20 55 21.6 -5.2	
GTA	Gaotai 20 55 21.6 -5.2	SS	SS		20 55 38.8	
GTA	comp=Z,6.0nm,0.9s,mb4.3	AMB	AMB			
GTA	comp=Z,40nm,9.1s	AMB	AMB			
GTA	comp=N,113nm,17.1s,MS3.9	LR	LR			
GTA	comp=E,82nm,15.2s,MS3.9	LR	LR			
GTA	comp=Z,115nm,14.8s,MS3.8	LR	LR			
JOW	Kunigami 39.25 47 P	P	P		20 49 47.0 +0.4	
WRA	Warramunga Arr 42.12 122 P	P	P		20 50 10.9 +0.3	
WRA	Warramunga Arr 42.12 122 P	P	P		20 50 09.2 -1.5	
WRA	Warramunga Arr 42.12 122 P	P	P		20 50 11.0 +0.4	
WRA	Warramunga Arr 42.12 122 P	P	P		20 50 11.9 +0.4	
BJI	Beijing 42.28 22 eP	P	P		20 50 11.8 +0.1	
BJI	Beijing 42.28 22 eP	P	P		20 50 11.8 +0.1	
BJI	Beijing 42.28 22 eP	P	P		20 50 11.8 +0.1	
WMQ	Wumeng 43.49 350 P	P	P		20 50 20.3 +1.4	
WMQ	Wumeng 43.49 350 P	P	P		20 50 27.8 +1.1	
WMQ	Wumeng 20 50 27.8 +1.1	AP	AP		20 50 31.3 +1.4	
WMQ	Wumeng 20 50 31.3 +1.4	PP	PP		20 52 03.3 +1.8	
WMQ	Wumeng 20 52 03.3 +1.8	PCP	PCP		20 52 09.3 +0.6	
WMQ	Wumeng 20 52 09.3 +0.6	eS	eS		20 56 45.3 +0.1	
WMQ	Wumeng 20 56 45.3 +0.1	eS	eS			
WMQ	comp=Z,5.0nm,0.7s,mb4.3	AMB	AMB			
WMQ	comp=Z,86nm,4.2s	AMB	AMB			
WMQ	comp=N,41nm,21.6s,MS3.5	LR	LR			
WMQ	comp=E,50nm,20.5s,MS3.5	LR	LR			
WMQ	comp=Z,18nm,19.2s,MS3.0	LR	LR			
ASAR	Alice Springs 43.48 127 P	P	P		20 50 22.2 +0.6	
SOMM	Songino Array 47.06 9 P	P	P		20 50 50.0 +0.1	
MKAR	Makanchi Arr 47.15 346 P	P	P		20 50 50.6 +0.1	
ULN	Ulanbatar 47.19 9 eP	P	P		20 50 50.7 -0.2	
CN2	Changchun 49.26 27 eP	P	P		20 51 05.8 -1.2	
TLY	Taiyao 50.52 5 eP	P	P		20 51 16.9 +0.4	
HIA	Hailar 51.58 19 eP	P	P		20 51 24.4 -0.2	
MDJ	Mudanjiang 51.82 29 P	P	P		20 51 28.5 +2.0	
MDJ	MDJ 20 51 28.5 +2.0	PP	PP		20 53 25.9 +0.9	
MDJ	MDJ 20 53 25.9 +0.9	SS	SS		20 58 49.4 +3.7	
MDJ	MDJ 20 58 49.4 +3.7	AMB	AMB			
MDJ	comp=Z,1.7nm,1.4s,mb4.8	AMB	AMB			
MDJ	comp=Z,119nm,3.2s	LR	LR			
MDJ	comp=N,43nm,21.8s,MS3.6	LR	LR			
MDJ	comp=E,35nm,19.8s,MS3.6	LR	LR			
MDJ	comp=Z,3.7nm,15.0s,MS3.5	LR	LR			
STKA	Stevens Creek 53.45 132 P	P	P		20 51 39.5 +0.8	
STKA	Stevens Creek 53.45 132 P	P	P		20 51 39.5 +0.7	
STKA	Stevens Creek 53.45 132 P	P	P		20 51 46.7 0.0	
ZAL	Zalesovo 53.46 351 P	P	P		20 51 38.0 -0.6	
ARU	Arti 63.09 337 eP	P	P		20 52 34.0 -1.2	
BRTR	Breskain Array 65.02 312 P	P	P		20 53 20.6 -3.5	
AKASG	Malin Array Be 75.16 322 P	P	P		20 53 59.4 -1.0	
FINES	Fines Array B 79.90 333 P	P	P		20 54 25.9 -0.4	
ARCES	Arcees Array B 82.44 340 P	P	P		20 54 39.7 +0.2	
ARCES	Arcees Array B 82.44 340 P	P	P		20 54 39.7 +0.2	
NOA	NORSAR Array B 86.91 331 P	P	P		20 55 01.9 -0.2	
NOA	NORSAR Array B 86.91 331 P	P	P		20 55 01.9 -0.2	

**MS2.2**  
**ISC 20:20:49:12.7,0.6,13.32N,0.04:120.28E,0.08,h54km,27km, n13,0.668/16,mb3.5/4,1C,Mindoro**

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
LUBP	Lubang 0.41 355 eP	P	P		20 49 23.2 -0.2	
LUBP	LUBP 0.41 355 eP	P	P		20 49 30.1 -1.1	
GTAY	Tagaytay City 1.01 391 eP	S	S		20 49 31.5 +0.7	
TGY	TGY 1.01 391 eP	S	S		20 49 44.9 +0.6	
SJMP	San Jose 1.18 136 eP	S	S		20 49 33.6 +0.4	
SJMP	SJMP 1.18 136 eP	S	S		20 49 48.5 +0.1	
BUSP	Coron 1.31 184 eP	S	S		20 49 35.9 +0.7	
BOAC	Boac 1.53 95 eP	P	P		20 49 37.0 +1.1	
OTRP	Odiangan 1.94 119 eP	P	P		20 49 43.7 -0.2	
ENPP	Eni Nido 2.26 202 eP	P	P		20 49 49.1 +0.7	
CUYO	Cuyo Island 2.56 164 eP	P	P		20 49 52.4 -0.2	
BALP	Baler 2.71 27 eP	P	P		20 49 55.8 +0.9	
WRA	Warramunga Arr 35.53 177 P	P	P		20 56 07.9 -1.3	
SOMM	Songino Array 36.31 344 P	P	P		20 55 12.6 -0.4	
ASAR	Alice Springs 39.10 160 P	P	P		20 56 36.5 0.0	
MKAR	Makanchi Arr 46.10 324 P	P	P		20 57 33.7 +0.5	

**CSEM 20:20:57:50.2,0.2,35.02N,3.79W,h12km,MD2.7,Error ellipse: s-maj=5.3km s-min=3.7km az=81.0, MDD 20:20:57:52.3,0.4,35.04N,3.77W,mbLg,1.3/4,Error ellipse: s-maj=5.14km s-min=3.0km az=69.0,PRXIMO**

**CNRM 20:20:57:52.3,35.03N,3.77W,h6km,MD2.7**  
**ISC 20:20:57:51.6,0.6,35.05N,0.03:3.78W,0.05,h10km,4km, n17,0.656/29,Strait of Gibraltar**

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
TOU	Touzarine 0.09 165 P	P	P		20 57 53.5 -0.6	
TOU	Touzarine 0.09 165 P	P	P		20 57 55.5 -0.3	
TOU	Touzarine 0.09 165 P	P	P		20 57 55.5 -0.6	
MPAL	Palemas 0.22 323 P	P	P		20 57 56.5 +0.2	
MPAL	MPAL 0.22 323 P	P	P		20 58 00.0 +0.5	
MPAL	Palemas 0.22 323 P	P	P		20 57 56.5 +0.2	
ZAI	Zaio 0.85 95 iP	Pb	Pb		20 58 07.5 +0.5	
ZAI	ZAI 0.85 95 iP	Pb	Pb		20 58 20.0 +0.7	
TZK	Tazeka 1.01 199 iP	Pb	Pb		20 58 10.5 -0.2	
TZK	TZK 1.01 199 iP	Pb	Pb		20 58 24.4 +0.5	
EALB	Alboran 1.08 34 P	Pb	Pb		20 58 11.6 -0.3	
EALB	Alboran 1.08 34 P	Pb	Pb		20 58 26.5 +0.7	
EALB	Alboran 1.08 34 P	Pb	Pb		20 58 11.6 -0.3	
EALB	Alboran 1.08 34 P	Pb	Pb		20 58 25.1 -0.7	
EMIJ	Mijas 1.71 332 P	Pn	Pn		20 58 21.8 +0.1	
EMIJ	Mijas 1.71 332 P	Pn	Pn		20 58 44.0 +0.2	
EMIJ	Mijas 1.71 332 P	Pn	Pn		20 58 22.0 +0.3	
EMIJ	Mijas 1.71 332 P	Pn	Pn		20 58 42.0 -1.9	
EJIF	Jimen Fronte 1.96 316 P	Pn	Pn		20 58 25.9 +0.6	
EJIF	Jimen Fronte 1.96 316 P	Pn	Pn		20 58 50.6 +0.5	
EJIF	Jimen Fronte 1.96 316 P	Pn	Pn		20 58 48.1 -2.0	
ERON	Agron 1.97 359 P	Pn	Pn		20 58 26.3 +1.0	
EBER	Agron 1.97 359 P	Pn	Pn		20 58 26.1 +0.5	
EBER	Agron 1.97 359 P	Pn	Pn		20 58 50.8 +0.1	
EBER	Agron 1.97 359 P	Pn	Pn		20 58 26.1 +0.5	
EBER	Agron 1.97 359 P	Pn	Pn		20 58 50.8 +0.1	
EQES	Quesada 2.81 12 P	Pn	Pn		20 58 37.1 -0.3	
EQES	Quesada 2.81 12 P	Pn	Pn		20 59 11.0 -0.6	
EQES	Quesada 2.81 12 P	Pn	Pn		20 58 37.1 -0.3	

**BUJ 20:21:18:31.9,0.76N,97.00E,h41km,mb4.4,mb4.4,Ms4.0, Ms3.7**  
**ISC 20:21:18:31.4,2.6,1.17N,97.26E,mb3.8/6,mb1.4/0.7, mb1mx3.7/20,mbtmp3.8/7,MS3.1/1,Ms1.3/3.1, ms1mx2.1/37,Error ellipse: s-maj=109.6km s-min=18.3km az=62.0**

**NEIC 20:21:18:35.5,1.0,1.14N,97.19E,h30km,mb4.4/2,Error ellipse: s-maj=25.9km s-min=1.1km az=72.0**  
**ISC 20:21:18:33.5,1.2,1.1N,97.2,0.2,h30km,n12, 0.673/12,mb3.9/9,MS3.7/1,Northern Sumatara**

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
KULM	Kulim 5.39					











Table with columns: Station Name, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like San Rafael, Trail Mountain, Marysville, etc.

NIED 21 02:08:00, 22.50N, 123.80E, h14km, Mw3.7. Best double couple: M0.3x1.014 N1.1x0.297, 85.4, -1.52. NP2.0x6.4, 85.0, -1.130.

ICC 21 02:08:12.3, 15.0, 22.22N, 123.96E, mb3.4/2, mb1 3.9/4, mb1mx3.5/22, mbmp3.8/4, ML4.2/1, Error ellipse: s-maj=292.4km s-min=37.9km az=166.0.

JMA 21 02:08:16.3, 0.5, 22.50N, 123.84E, h25km, M3.8. NEIC 21 02:08:19.5, 5.6, 22.78N, 123.89E, h20km, Error ellipse: s-maj=95.6km s-min=15.9km az=175.0.

ISC 21 02:08:15.2, 2.2, 22.46N, 0.08-123.87E, 0.06, h22km, 24km, n19, c110/31, mb3.2/2, Southeast of Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Hateruma jima, Kuro-shima, Iriomote-Funau, etc.

CASC 21 02:18:55.4, 1.3, 13.25N, 89.92W, h41km, 42km, MD3.8, ML3.8, 1C-7D, El Salvador

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SBLs San Blas, SBLs San Jose, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like El Retiro, Boqueron, Serv Nac Est T, etc.

ICC 21 02:19:23.1, 1.5, 5.58N, 94.47E, mb3.9/6, mb1 4.1/6, mb1mx3.8/20, mbmp3.9/6, MS2.7/1, Ms1 2.9/1, ms1mx2.7/20, Error ellipse: s-maj=66.2km s-min=26.4km az=57.0.

NEIC 21 02:19:25.8, 1.0, 5.18N, 93.99E, h30km, Error ellipse: s-maj=22.9km s-min=15.1km az=193.0.

ISC 21 02:19:26.2, 1.3, 5.50N, 0.2-94.4E, 0.2, h33km, n11, c083/11, mb3.9/6, Northern Sumatra

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Kulm, Chiang Mai Arr, Alice Springs, etc.

ICC 21 02:24:39.1, 0.9, 10.18S, 123.92E, mb4.2/6, mb1 4.4/9, mb1mx4.2/16, mbmp4.2/9, ML4.1/3, MS3.3/1, Ms1 3.3/1, ms1mx2.9/17, Error ellipse: s-maj=76.8km s-min=16.7km az=64.0.

NEIC 21 02:24:41.7, 8.5, 10.44S, 123.47E, h18km, 55km, mb4.6/4, Error ellipse: s-maj=11.1km s-min=17.2km az=84.0.

ISC 21 02:24:40.0, 0.6, 10.52S, 0.123.68E, 0.08, h33km, n21, c140/30, mb4.2/9, 1C, Timor region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Fitzroy Crossi, Fitz, Alice Springs, etc.

WRAB 12.9m, 0.3s, baz=130.20, SNR=13 0.0m, 0.6s. WRAB Warramunga Arr 13.91 134 eP S 02 27 55.6 -6.8

WRAB Warramunga Arr 13.91 134 eP S 02 27 55.6 -6.8

WRAB Warramunga Arr 13.91 134 eP S 02 27 55.6 -6.8

WRAB Warramunga Arr 13.91 134 eP S 02 27 55.6 -6.8

WRAB Warramunga Arr 13.91 134 eP S 02 27 55.6 -6.8

WRAB Warramunga Arr 13.91 134 eP S 02 27 55.6 -6.8

WRAB Warramunga Arr 13.91 134 eP S 02 27 55.6 -6.8

WRAB Warramunga Arr 13.91 134 eP S 02 27 55.6 -6.8

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WRAB Warramunga Arr 13.91 134 eP S 02 27 55.6 -6.8

WRAB Warramunga Arr 13.91 134 eP S 02 27 55.6 -6.8

WRAB Warramunga Arr 13.91 134 eP S 02 27 55.6 -6.8

WRAB Warramunga Arr 13.91 134 eP S 02 27 55.6 -6.8

WRAB Warramunga Arr 13.91 134 eP S 02 27 55.6 -6.8

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

CASC 21 03:39:18.8, 1.4, 5.54N, 75.70W, h35km, 99km, MD5.2, mb4.9/NEIC

ICC 21 03:39:23.0, 4.0, 5.07N, 76.12W, h100km, 3km, mb4.5/26, mb1 4.7/30, mb1mx4.6/33, mbmp4.6/30, MS3.9/9, Ms1 3.8/9, ms1mx3.7/18, Error ellipse: s-maj=10.5km s-min=6.9km az=61.0.

HRVD 21 03:39:24.1, 0.2, 5.18N, 76.32W, h116km, 2km, MW5.2/70, Centroid moment Tensor Solution. LP body waves: s50.c74, Mantle waves: s70.c129; Half duration: 1.0 Moment tensor: Scale 10^17Nm; Mw=0.02;2.02; Ms=0.71;0.2; Mm=0.73;0.2; Mm0.20;0.1; Mm0.15;0.2; Mw=0.42;0.2; Best double couple: M0.891x0.1017 N1.1; c329.3/64.1; NP2.0/1.1; NP2.0/1.1; 8.90, 1.146; Principal axes: T, 9.17, P, 4.23, Azm91; N-0.51, P, 4.23, Azm321; r, 8.65, P, 4.23, Azm192; nsta1 refers to body waves, cut-off=50s. nsta2 refers to surface waves, cut-off=50s.

NEIC 21 03:39:24.1, 0.1, 5.01N, 76.27W, mb4.9/148, MD5.2/CASC Error ellipse: s-maj=3.4km s-min=2.3km az=25.0.

NEIC Felt [V] at Medellin. Also felt at Cali and Santa Rosa de Cabal.

BUI 21 03:39:27.1, 5.00N, 76.30W, h102km, mB5.3. ISC 21 03:39:27.0, 3.5, 5.07N, 0.02-76.25W, 0.02, h100km, 3km, c083/11, mb3.9/6, P, n394, c095/365, mb4.9/168, 87C-27D,

Colombia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like El Hoyo, San Emigdio, Horqueta, etc.

SDV 364nm, 0.3s, baz=77, slow=22, SNR=14 500nm, 0.6s. SDV Santo Domingo 6.75 55 P 02 30 59.7 -1.0

SDV Santo Domingo 6.75 55 ePn P 02 31 00.4 -0.4

SDV Santo Domingo 6.75 55 ePn P 02 31 00.4 -0.4

SDV Santo Domingo 6.75 55 ePn P 02 31 00.4 -0.4

SDV Santo Domingo 6.75 55 ePn P 02 31 00.4 -0.4

SDV Santo Domingo 6.75 55 ePn P 02 31 00.4 -0.4

SDV Santo Domingo 6.75 55 ePn P 02 31 00.4 -0.4

SDV Santo Domingo 6.75 55 ePn P 02 31 00.4 -0.4

SDV Santo Domingo 6.75 55 ePn P 02 31 00.4 -0.4

SDV Santo Domingo 6.75 55 ePn P 02 31 00.4 -0.4

SDV Santo Domingo 6.75 55 ePn P 02 31 00.4 -0.4

SDV Santo Domingo 6.75 55 ePn P 02 31 00.4 -0.4

SDV Santo Domingo 6.75 55 ePn P 02 31 00.4 -0.4

SDV Santo Domingo 6.75 55 ePn P 02 31 00.4 -0.4

SDV Santo Domingo 6.75 55 ePn P 02 31 00.4 -0.4

LVC	Limon Verde	28.43 166	P	P	03 45 09.6 -0.7
LVC	Limon Verde	30nm,0.8s,mb4.8,baz=351,slow=5.9,SNR=35	eP	P	03 45 10.7 +0.3
LVC	Limon Verde	38nm,0.9s,mb4.9	eP	P	03 45 30.3 -2.3
LVC			eS	P	03 49 51.7 +3.0
GOGA	Godfrey	28.99 347	eP	P	03 45 14.5 -0.7
GOGA	Jenkinsville	29.44 352	eP	P	03 45 38.3 +0.9
JSC			eP	P	03 45 42.5 +1.0
JSC			eS	P	03 45 54.7 +1.6
LRAL	Lakeview Retre	29.57 342	eP	P	03 45 20.4 0.0
LRAL			eP	P	03 45 44.3 +1.5
CPCT	Cooper Cave	31.18 347	eP	P	03 45 34.4 -0.1
CPCT			eP	P	03 45 58.1 +1.0
SWET	Seawane	31.30 345	eP	P	03 45 34.9 -0.8
SWET			eP	P	03 45 55.4 -2.8
NATX	Nacogdoches	31.67 329	eP	P	03 45 36.7 -2.1
PLAL	Pickwick Lake	31.71 341	eP	P	03 45 38.1 -1.1
PLAL			eS	P	03 46 14.1 +0.5
PLAL			eP	P	03 48 26.7 -1.9
PLAL			eS	P	03 52 00.6
TZTN	Tazewell	32.03 349	eP	P	03 45 48 -0.3
TZTN			eP	P	03 46 05.5 +0.8
TZTN			eS	P	03 46 18.7 +2.3
BLA	Blacksburg	32.22 354	eP	P	03 45 42.1 -1.4
BLA			eP	P	03 46 04.5 -1.8
BLA			eP	P	03 45 44.6 +0.6
FWV	Forest Hill	32.63 353	eP	P	03 45 47.4 +0.3
WVT	Waverly	32.70 342	eP	P	03 45 46.8 -0.9
WVT			eP	P	03 46 10.8 +0.2
WVT			eS	P	03 52 04.3
UALR	University of	33.10 335	eP	P	03 45 50.2 -1.1
UALR			eP	P	03 46 13.0 -1.1
UALR			eS	P	03 46 27.4 -1.3
GLAT	Glass	33.28 341	eP	P	03 45 51.0 -1.8
GLAT			eP	P	03 46 17.8 +2.2
GLAT			eS	P	03 46 28.0 +0.4
MIAR	Mount Ida	33.43 334	eP	P	03 45 52.1 -2.0
MIAR			eP	P	03 46 13.8 -3.2
MIAR			eP	P	03 48 32.4 -0.9
MIAR			eS	P	03 52 08.6
PARMO	Parma	33.80 340	eP	P	03 45 55.0 -2.2
PARMO			eP	P	03 46 20.7 +0.6
PARMO			eS	P	03 46 22.5 +0.5
WCI	Wyandotte Cave	34.25 346	eP	P	03 46 00.7 -0.4
WCI			eP	P	03 46 23.7 -0.3
BDFB	Brasilia	34.72 127	eP	P	03 46 03.8 -1.5
BDFB			LR	04 00 06.2	
BAO	Brasilia Array	34.73 127	eP	P	03 46 04.7 -0.7
BLO	Bloomington	35.20 346	eP	P	03 46 08.6 -0.5
BLO			eP	P	03 46 33.1 +1.0
BLO			eS	P	03 46 45.4 +1.3
BLO			eP	P	03 48 37.4 -1.0
FVM	French Village	35.22 340	eP	P	03 46 07.6 -1.7
FVM			eP	P	03 46 32.4 0.0
FVM			eP	P	03 48 37.3 -1.2
FVM			eP	P	03 46 11.1 -0.1
TXAR	Lajitas Array	35.42 316	eP	P	03 46 32.6 -1.6
TXAR			eP	P	03 46 32.6 -1.6
TXAR			eP	P	03 48 39.5 +0.3
TXAR			eP	P	03 49 07.4
TXAR			eP	P	03 52 15.8
TXAR			LR	04 03 01.9	
TXAR			eP	P	03 46 11.1 -0.1
TXAR			eP	P	03 46 32.6 -1.6
TXAR			eP	P	03 48 39.5 +0.3
TXAR			eP	P	03 49 07.4
TXAR			eP	P	03 52 15.8
SSPA	Standing Stone	35.44 358	eP	P	03 46 11.6 +0.5
SSPA			eP	P	03 46 12.8 +0.9
ACSO	Alum Creek Sta	35.53 351	eP	P	03 46 36.7 +1.7
ACSO			eP	P	03 46 10.0 -2.2
CCM	Cathedral Cave	35.56 339	eP	P	03 48 38.5 -1.0
CCM			eS	P	03 52 13.3
SLM	Saint Louis	35.75 341	eP	P	03 46 12.2 -1.6
SLM			eP	P	03 46 35.8 -1.1
SLM			eS	P	03 46 49.3 +0.5
WMOK	Wichita Mounta	36.14 328	eP	P	03 46 16.0 -1.2
WMOK			eP	P	03 48 40.2 -0.9
WMOK			eS	P	03 52 18.6
CPUP	Villa Florida	36.20 150	eP	P	03 46 13.6 -4.1
CPUP			eS	P	03 51 43.1 -6.6
CFAA	Coronel Fontan	37.26 169	eP	P	03 46 26.3 -0.2
CFAA			eP	P	03 52 21.4
AMTX	Amarillo	37.85 325	eP	P	03 46 30.9 -0.5
AMTX			eP	P	03 46 56.1 +1.4
MNTX	Cornudas Mount	38.04 318	eP	P	03 46 32.8 -0.2
MNTX			eP	P	03 46 54.3 -2.0
MNTX			eS	P	03 52 24.5
KSU1	Kansas State U	38.57 334	eP	P	03 46 34.9 -2.5
KSU1			eP	P	03 47 00.5 -0.2
KSU1			eP	P	03 47 12.0 -0.4
FCH	Farellones	38.60 172	eP	P	03 46 38.7 -1.0
CLCH	Cerro Calan	38.64 172	eP	P	03 46 39.0 +1.0
CS6B	Jaguaretama	38.97 105	eP	P	03 46 38.6 -2.3
CS6B			eP	P	03 52 28.2
LMEL	Las Melosas	39.12 172	eP	P	03 46 43.2 +1.2
CBKS	Cedar Bluff	39.78 331	eP	P	03 46 46.3 -1.1
CBKS			eP	P	03 47 10.8 +0.1
CBKS			eS	P	03 47 23.6 +1.2
ANMO	Albuquerque	40.78 321	eP	P	03 46 56.8 +1.2
ANMO			eP	P	03 52 36.7
ANMO			eP	P	03 46 55.6 -0.1
ANMO			eP	P	03 47 22.2 +3.2
ANMO			eS	P	03 52 07.6
SDCO	Great Sand Dun	42.05 325	eP	P	03 47 31.1 +1.5
SDCO			eP	P	03 52 41.8
TUC	Tucson	42.13 314	eP	P	03 47 07.7 +0.8
TUC			eP	P	03 47 33.5 +3.3
TUC			eS	P	03 52 41.2
CAM4	Nova Friburgo	42.77 131	eP	P	03 47 10.7 -1.5
PV01	Paradox Valley	44.12 323	eP	P	03 47 18.2 +1.2
PV01			eP	P	03 47 48.0 +1.5
PV01			eS	P	03 48 01.1 +3.2
PV01			eP	P	03 52 50.4
WUAZ	Wupatki	44.32 318	eP	P	03 47 26.0 +1.4
WUAZ			eP	P	03 49 07.4 -0.2
WUAZ			eS	P	03 52 51.4
PHWY	Pilot Hill	44.53 328	eP	P	03 47 26.9 +0.7
PHWY			eP	P	03 47 52.8 +3.0
PV10	Paradox Valley	44.56 323	eP	P	03 47 26.7 +0.2
EYMN	Ely	44.67 345	eP	P	03 47 26.1 -1.2
TRQA	Torquist	44.91 164	eP	P	03 47 28.6 -0.7
TRQA			eP	P	03 49 06.9 -2.6
RPN	Rapa Nui	45.24 223	eP	P	03 47 32.7 +0.7

RPN		38nm,0.9s,mb5.1,baz=33,slow=3.6,SNR=5.6	LR	04 01 57.0	
RWWY	Rawlins	45.73 327	eP	P	03 47 36.5 +0.7
RWWY		6.9nm,0.7s,mb4.5	eP	P	03 48 01.0 +1.6
PLCA	Paso Flores	45.88 174	eP	P	03 47 36.5 -0.3
PLCA		49nm,0.7s,mb5.4,baz=349,slow=8.7,SNR=176	eP	P	03 52 55.2
PLCA		3.8nm,1.0s,baz=323,slow=4.6,SNR=3.6	LR	04 05 59.2	
PLCA	Paso Flores	45.88 174	eP	P	03 47 36.5 -0.3
PLCA		4.1nm,1.12nm,21.3s,baz=346,slow=35	LR	04 05 59.2	
RSSD	Black Hills	45.92 332	eP	P	04 05 59.2
RSSD		56nm,1.2s,mb5.2	eP	P	03 48 02.6 +1.7
RSSD			eS	P	03 48 13.8 -1.6
SRU	San Rafael	45.92 322	eP	P	03 47 37.9 +0.6
SRU			eP	P	03 48 00.8 -0.1
MSU	Marysvalle	46.59 321	eP	P	03 47 40.0 +0.4
MSU			eP	P	03 48 05.1 -1.1
MSU			eP	P	03 49 14.4 -1.1
MSU			eP	P	03 47 43.8 +1.1
MVU			eP	P	03 49 15.8 +0.3
MVU			eS	P	03 50 01.2
REN	Nelson	46.76 316	eP	P	03 47 44.5 +0.6
REN			eP	P	03 48 12.4 -1.2
ANT	Antelope Range	46.98 319	eP	P	03 47 46.6 +1.0
ARUT			eP	P	03 48 08.1 -1.2
ARUT			eS	P	03 50 02.2
DAU	Daniels Canyon	47.18 323	eP	P	03 47 48.1 +0.9
DAU			eP	P	03 48 09.1 -1.8
DAU			eS	P	03 53 03.9
NLU	North Lily Min	47.39 322	eP	P	03 47 48.8 0.0
NLU			eP	P	03 48 14.2 +1.7
JLU	Jordanelle	47.41 323	eP	P	03 47 49.7 +0.7
JLU			eS	P	03 53 04.6
Camp	Camp Tracy	47.65 323	eP	P	03 47 51.1 +0.3
CTU			eP	P	03 48 13.9 -1.6
TCUT	Toone Canyon	47.71 324	eP	P	03 47 52.1 +0.8
TCUT			eS	P	03 53 05.4
PDAR	Pinedale Array	47.74 327	eP	P	03 47 50.1 -1.4
PDAR		3.3nm,0.8s,mb4.2,baz=129,slow=9.5,SNR=25	eP	P	03 48 16.4 +1.0
PDAR		4.1nm,1.1s,baz=180,slow=2.7,SNR=12	eP	P	03 53 03.1
ULM		2.6nm,1.1s,baz=117,slow=3.3,SNR=5.3	eP	P	03 47 50.8 -2.3
ULM		2.4nm,0.4s,mb4.4,baz=156,slow=8.2,SNR=6.3	eP	P	03 48 15.8 -1.1
ULM		21nm,0.8s,baz=145,slow=10,SNR=1.0	LR	04 07 23.8	
ULM		comp=Z,133nm,21.6s,baz=123,slow=33	LR	03 47 51.2 -1.9	
ULM		7.9nm,0.9s,mb4.7	eP	P	03 48 16.5 -0.4
DUG	Dugway	47.98 322	eP	P	03 47 54.1 +0.7
DUG		15nm,0.9s,mb4.9	eP	P	03 53 06.2
HWUT	Hardware Ranch	48.11 324	eP	P	03 47 54.3 -0.1
HWUT		20nm,0.9s,mb5.0	eP	P	03 49 18.6 -2.2
BGU	Big Grassy Mou	48.56 323	eP	P	03 49 47.7 +0.6
BGU			eS	P	03 47 57.6 -0.2
BGU			eP	P	03 48 33.8 +1.0
BGU			eS	P	03 53 07.3
AHID	Auburn Hatcher	48.59 326	eP	P	03 47 58.0 -0.1
AHID		6.5nm,0.6s,mb4.7	eP	P	03 48 23.1 +1.1
AHID			eP	P	03 49 20.1 -2.5
TRCR	Troy Canyon	48.70 318	eP	P	03 47 60.0 +1.0
TRCR			eP	P	03 48 23.3 +0.5
REDW	Red Top Meadow	48.85 327	eP	P	03 48 00.0 0.0
REDW		96nm,1.1s,mb5.6	eP	P	03 48 35.5 +0.5
SNOW	Snow King Moun	48.86 327	eP	P	03 48 00.4 +0.3
SNOW		43nm,0.9s,mb5.4	eP	P	03 48 00.3 +0.1
LOHW	Long Hollow	48.88 327	eP	P	03 48 33.6 -1.7
LOHW		59nm,1.2s,mb5.4	eP	P	03 49 22.4 -1.2
LOHW			eP	P	03 48 00.2 -0.3
WUWY	Wally Ulrich	48.90 327	eP	P	03 48 14.1 +0.7
WUWY			eS	P	03 48 01.3 +0.2
TPAW	Teton Pass	48.98 327	eP	P	03 48 01.3 +0.2
TPAW		26nm,0.9s,mb5.2	eP	P	03 48 00.5 -1.0
MOOV	Moose Ponds	49.04 327	eP	P	03 48 38.0 +1.4
MOOV		25nm,1.0s,mb5.1	eP	P	03 49 23.2 -1.0
MOOV			eP	P	03 48 01.0 -0.9
RR12	Red Ridge	49.09 326	eP	P	03 48 03.3 +0.2
RR12		43nm,1.0s,mb5.3	eP	P	03 48 38.2 +0.1
IMW	Indian Meadow	49.25 327	eP	P	03 48 07.0 +1.5
IMW		33nm,1.1s,mb5.2	eP	P	03 48 29.7 +0.2
IMW			eP	P	03 48 06.8 +0.6
YFT	Old Faithful	49.56 328	eP	P	03 49 26.4 -0.1
YFT			eP	P	03 48 07.6 +0.4
YFT			eP	P	03 49 26.3 -0.5
TPH	Tonopah	49.65 317	eP	P	03 48 07.4 -0.1
TPH		14nm,1.1s,mb4.7	eP	P	03 53 13.9
YMR	Madison River	49.77 328	eP	P	03 48 07.3 -0.6
YMR			eP	P	03 48 18.8 +0.9
ELK	Elko	49.81 321	eP	P	03 48 09.9 -0.3
ELK		4.2nm,0.8s,mb4.4	eP	P	04 06 40.6
CGMT	Greycliff	49.87 330	eP	P	03 48 10.2 0.0
QLMT	Earthquake Lak	50.13 328	eP	P	03 48 10.4 -0.1
SCHO	Schefferville	50.20 7	eP	P	03 48 12.7 +0.3
SCHO		9.5nm,0.6s,mb4.9,baz=195,slow=6.6,SNR=30	LR	03 48 10.4 -0.1	
SCHO		comp=Z,87nm,18.3s,baz=143,slow=35	eP	P	03 48 37.1 +2.2
SCHO		12nm,0.6s,mb5.0	eP	P	03 48 12.7

21d 3h

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like EMUR La Murta, SGFM Saint Gilles, ECHE Chera, etc.

2005 APR

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like NOA Graefenberg Arr, GBA1 Graefenberg Arr, GBA2 Graefenberg Arr, etc.

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Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like PKI Pulchoki, JIRN Jiri, CD2 Chengdu, etc.

HRVD 21 03:47:26.0.4.23.163x169.13E, h17km, l1km, MW5.0/60, Centroid moment Tensor Solution, P body waves, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like DZM Mont Dzumac, NOUC Port Laguerre, RAO Raoul Island, etc.



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Row: EADA Adamuz 7.11 131 P P 04 44 23.5 -3.1

NEIC 21 04:54:47.9.1.0.3.92N-95.08E, h30km, mb4.3/4, Error ellipse: s-maj=20.5km s-min=11.5km az=48.0

ISC 21 04:54:48.4.0.8.4.3N.0.1.95.50E.0.07, h33km, n27, c0592/26, mb4.2/16, MS3.3/1, Northern Sumatara

Main table for NEIC 21 04:54:48.4.0.8.4.3N.0.1.95.50E.0.07, h33km, n27, c0592/26, mb4.2/16, MS3.3/1, Northern Sumatara. Columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC.

CSEM 21 05:07:22.6.0.1.35.04N-3.78W, h10km, MD3.1, Error ellipse: s-maj=3.4km s-min=1.9km az=106.0

NEIC 21 05:07:23.1, 35.06N-3.75W, h63km(MDD), After MDD. CNRM 21 05:07:23.4, 35.05N-3.84W, h63km, MD3.1

MDD 21 05:07:23.6.0.3.35.02N-3.81W, h4km, mb4.1, mbLg1.7/11, Error ellipse: s-maj=4.1km s-min=3.0km az=72.0, PRXMO

ISC 21 05:07:22.8.0.5.35.06N.0.02-3.84W.0.03, h12km, 3km, n42, c1915/72, Strait of Gibraltar

Main table for CSEM 21 05:07:22.6.0.1.35.04N-3.78W, h10km, MD3.1, Error ellipse: s-maj=3.4km s-min=1.9km az=106.0. Columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Rows: PALC Alcoutim 3.79 310 eSn Sn 05 09 05.3 -2.1, EGRO El Granado 3.84 311 P Sn 05 08 22.0 -1.1

IDC 21 05:10:34.7.1.9, 1.69N-96.99E, mb4.2/6, mb1 4.3/7, mb1mx4.0/20, mbtmp4.2/7, ML4.3/1, MS3.0/1, Mst 3.2/1, ms1mx2.8/21, Error ellipse: s-maj=84.7km s-min=21.7km az=60.0

NEIC 21 05:10:39.3.0.6.1.75N-97.04E, h30km, mb4.5, Error ellipse: s-maj=13.6km s-min=8.2km az=56.0

ISC 21 05:10:38.8.5.7.1.8N.0.2-97.1E.0.3, h40km, n14, c041/14, mb4.2/11, Northern Sumatara

Main table for IDC 21 05:10:34.7.1.9, 1.69N-96.99E, mb4.2/6, mb1 4.3/7, mb1mx4.0/20, mbtmp4.2/7, ML4.3/1, MS3.0/1, Mst 3.2/1, ms1mx2.8/21, Error ellipse: s-maj=84.7km s-min=21.7km az=60.0. Columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC.

IDC 21 05:19:20.1.3.0.49.02S, 161.59E, mb4.0/3, mb1 4.2/4, mb1mx3.9/12, mbtmp4.0/7, ML3.4/1, Error ellipse: s-maj=85.8km s-min=38.8km az=177.0

NEIC 21 05:19:20.2.0.2.0.49.07S, 161.44E, h10km, mb4.3/1, Error ellipse: s-maj=51.0km s-min=10.9km az=165.0

ISC 21 05:19:21.1.1.5.49.05O.2-161.4E.0.2, h10km, n26, c1932/28, mb4.1/4, North of Macquarie Island

Main table for IDC 21 05:19:20.1.3.0.49.02S, 161.59E, mb4.0/3, mb1 4.2/4, mb1mx3.9/12, mbtmp4.0/7, ML3.4/1, Error ellipse: s-maj=85.8km s-min=38.8km az=177.0. Columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC.

IDC 21 05:41:51.9.3.7.1.69S-99.95E, mb3.7/5, mb1 3.9/5, mb1mx3.7/18, mbtmp3.7/5, Error ellipse: s-maj=167.2km s-min=21.8km az=56.0, Southern Sumatara

Main table for IDC 21 05:41:51.9.3.7.1.69S-99.95E, mb3.7/5, mb1 3.9/5, mb1mx3.7/18, mbtmp3.7/5, Error ellipse: s-maj=167.2km s-min=21.8km az=56.0, Southern Sumatara. Columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC.

BJI 21 06:36:16.0.33.70N-120.00W, h6km, mb4.9, Msz4.4

NEIC 21 06:36:19.0.33.66N-120.03W, h6km, mb3.9/2, ML4.0(PAS), After P3C

IDC 21 06:36:20.7.2.0.33.83N-119.91W, mb3.2/2, mb1 3.6/8, mb1mx3.5/25, mbtmp3.3/8, ML3.6/6, MS3.1/5, Mst 3.1/5, ms1mx2.9/14, Error ellipse: s-maj=27.6km s-min=16.1km az=48.0

ISC 21 06:36:17.8.0.7.33.69N.0.05-120.09W.0.06, h6km, n46, c126/50, mb3.6/5, MS3.2/2, Off coast of California

Main table for IDC 21 06:36:19.0.33.66N-120.03W, h6km, mb3.9/2, ML4.0(PAS), After P3C. Columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC.

Main table for 0.9nm, 0.3s, baz=201, slow=19, SNR=15. Rows: NVAR, TPH Tonopah 4.96 27 Pn Pn 06 37 36.3 +1.6, MNV 4.99 18 Pn Pn 06 37 34.3 +0.2, WCN Washoe City 5.61 3 ePn Pn 06 37 44.3 +0.5

IDC 21 06:39:59.2.5.12.05N-90.37E, mb3.5/3, mb1 3.7/4, mb1mx3.5/20, mbtmp3.5/4, ML4.0/1, Error ellipse: s-maj=66.2km s-min=31.1km az=65.0

ISC 21 06:40:03.2.1.6.12.22N.0.2-90.4E.0.1, h33km, n5, c1988/6, mb3.5/3, Andaman Islands region

Main table for IDC 21 06:39:59.2.5.12.05N-90.37E, mb3.5/3, mb1 3.7/4, mb1mx3.5/20, mbtmp3.5/4, ML4.0/1, Error ellipse: s-maj=66.2km s-min=31.1km az=65.0. Columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC.

NEIC 21 06:51:19.4, 17.47N-101.34W, h31km, MD3.7(MEX), After MEX.

MEX 21 06:51:19.2.0.4.17.43N-101.36W, h31km, 7km, MD3.7, 1C, Near coast of Guerrero

Main table for NEIC 21 06:51:19.4, 17.47N-101.34W, h31km, MD3.7(MEX), After MEX. Columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC.

IDC 21 07:13:13.3.3.5.52.28N-35.06W, mb3.5/7, mb1 3.7/8, mb1mx3.8/29, mbtmp3.5/8, ML2.2/1, MS3.1/3, Mst1 3.1/3, ms1mx2.8/27, Error ellipse: s-maj=89.8km s-min=30.3km az=1.0, Reykjanes Ridge

Main table for IDC 21 07:13:13.3.3.5.52.28N-35.06W, mb3.5/7, mb1 3.7/8, mb1mx3.8/29, mbtmp3.5/8, ML2.2/1, MS3.1/3, Mst1 3.1/3, ms1mx2.8/27, Error ellipse: s-maj=89.8km s-min=30.3km az=1.0, Reykjanes Ridge. Columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC.

NEIC 21 07:17:59.9.2.4.5.80S-130.83E, h98km, 22km, mb4.1/5, Error ellipse: s-maj=22.8km s-min=13.3km az=50.0

IDC 21 07:17:59.0.3.2.5.90S-135.57E, h95km, 49km, mb3.8/5, mb1 3.7/8, mb1mx4.0/14, mbtmp4.3/8, Error ellipse: s-maj=50.2km s-min=16.5km az=60.0

ISC 21 07:17:59.0.1.9.5.88S.0.0D-138.8E.0.1, h106km, n18km, n26, c1912/32, mb3.9/5, 2B, Banda Sea

Main table for NEIC 21 07:17:59.9.2.4.5.80S-130.83E, h98km, 22km, mb4.1/5, Error ellipse: s-maj=22.8km s-min=13.3km az=50.0. Columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC.









CLNS	ePP	pP	09 32 35.6	-7.0					
CLNS	e		09 35 16.4						
CLNS	comp=Z,13nm,0.8s,mb4.9	pmax	pmax						
CLNS	comp=N,4.0nm,0.7s								
CLNS	comp=E,4.0nm,0.7s	pmax	pmax						
CLNS	comp=Z,35nm,1.4s,mb5.1	pmax	pmax						
CLNS	comp=N,16nm,0.7s	pmax	pmax						
CLNS	comp=E,11nm,1.3s	MLR	MLR						
CLNS	comp=Z,19um,23.0s,MS5.6	MLR	MLR						
CLNS	comp=N,6um,21.0s,MS5.2	MLR	MLR						
CLNS	comp=E,2um,24.0s,MS5.2	MLR	MLR						
KIP	Kipapa	33.75 144	PFAKE	09 32 50.0	+12				
MAJO	Matsushiro	34.00 262	eP	09 32 39.8	-0.2				
MAJO	comp=Z,104nm,1.3s,mb5.6	MLR	MLR						
MAJO	comp=Z,9um,20.0s,MS5.5	ePcP	PcP	09 35 16.3	-1.1				
MAJO	Matsushiro	34.00 262	eP	09 32 39.8	-0.2				
MAJO	comp=Z,104nm,1.3s,mb5.6	MLR	MLR						
MAT	Matsushiro	34.00 262	eP	09 32 40.0	0.0				
MAT	comp=Z,106nm,1.3s,mb5.6	eS	S	09 38 06.0	+5.0				
MAT	comp=Z,9um,20.0s,MS5.5	P	P	09 32 39.8	-0.2				
MAT	Matsushiro	34.00 262	P	09 38 06.0	+5.0				
MJAR	Matsushiro Arr	34.00 262	eP	09 32 39.9	-0.1				
MJAR	comp=Z,15nm,0.6s,mb5.1	PCp	PCp	09 35 17.3	0.0				
MJAR	comp=Z,8.7nm,0.9s,baz=65,slow=1.7,SNR=6.9	ScP		09 38 57.7					
MJAR	comp=Z,1.4nm,0.5s,baz=84,slow=2.0,SNR=4.3	LR	LR	09 45 28.6					
PGC	Sidney	34.78 72	eP	09 32 47.8	+1.3				
PGC	comp=Z,224nm,1.5s,mb5.9	P	P	09 32 45.5	-1.6				
MDJ	Mudanjiang	34.84 280	eP	09 32 56.8	-2.4				
MDJ	comp=Z,31nm,0.8s,mb5.3	XP	XP	09 33 01.8	-3.2				
MDJ	Yellowknife Ar	35.15 46	eP	09 34 03.3	-2.2				
MDJ	Yellowknife Ar	35.16 46	eP	09 35 19.9	+0.2				
MDJ	comp=Z,12nm,0.8s,mb4.9	S	S	09 38 13.1	+0.8				
MDJ	comp=Z,3.4nm,0.7s,baz=282,slow=2.9,SNR=4.2	XS	XS	09 38 32.4					
MDJ	comp=Z,0.1nm,0.5s,baz=95,slow=5.1,SNR=7.0	SCP	SCP	09 39 00.6					
MDJ	Yellowknife Ar	35.16 46	eP	09 39 05.8					
MDJ	comp=Z,24nm,1.4s,mb4.9	AMB	AMB						
MDJ	comp=Z,427nm,4.3s	AMB	AMB						
MDJ	comp=N,4um,31.5s,MS5.2	LR	LR						
MDJ	comp=E,5um,31.5s,MS5.2	LR	LR						
MDJ	comp=Z,8um,23.0s	MLR	MLR						
MDJ	Mudanjiang	34.84 280	eP	09 32 45.5	-1.6				
MDJ	comp=Z,31nm,0.8s,mb5.3	AP	AP	09 32 56.8	-2.4				
MDJ	Yellowknife Ar	35.15 46	eP	09 33 01.8	-3.2				
MDJ	Yellowknife Ar	35.16 46	eP	09 34 03.3	-2.2				
MDJ	comp=Z,12nm,0.8s,mb4.9	PCP	PCP	09 35 19.9	+0.2				
MDJ	comp=Z,3.4nm,0.7s,baz=282,slow=2.9,SNR=4.2	S	S	09 38 13.1	+0.8				
MDJ	comp=Z,0.1nm,0.5s,baz=95,slow=5.1,SNR=7.0	XS	XS	09 38 32.4					
MDJ	Yellowknife Ar	35.16 46	eP	09 39 00.6					
MDJ	comp=Z,24nm,1.4s,mb4.9	PCP	PCP	09 39 05.8					
MDJ	comp=Z,427nm,4.3s	AMB	AMB						
MDJ	comp=N,4um,31.5s,MS5.2	AMB	AMB						
MDJ	comp=E,5um,31.5s,MS5.2	LR	LR						
MDJ	comp=Z,8um,23.0s	LR	LR						
MDJ	Mudanjiang	34.84 280	eP	09 32 45.5	-1.6				
MDJ	comp=Z,31nm,0.8s,mb5.3	MLR	MLR	09 32 56.8	-2.4				
MDJ	Yellowknife Ar	35.15 46	eP	09 33 01.8	-3.2				
MDJ	Yellowknife Ar	35.16 46	eP	09 34 03.3	-2.2				
MDJ	comp=Z,12nm,0.8s,mb4.9	PCP	PCP	09 35 19.9	+0.2				
MDJ	comp=Z,3.4nm,0.7s,baz=282,slow=2.9,SNR=4.2	S	S	09 38 13.1	+0.8				
MDJ	comp=Z,0.1nm,0.5s,baz=95,slow=5.1,SNR=7.0	XS	XS	09 38 32.4					
MDJ	Yellowknife Ar	35.16 46	eP	09 39 00.6					
MDJ	comp=Z,24nm,1.4s,mb4.9	PCP	PCP	09 39 05.8					
MDJ	comp=Z,427nm,4.3s	AMB	AMB						
MDJ	comp=N,4um,31.5s,MS5.2	AMB	AMB						
MDJ	comp=E,5um,31.5s,MS5.2	LR	LR						
MDJ	comp=Z,8um,23.0s	LR	LR						
MDJ	Mudanjiang	34.84 280	eP	09 32 45.5	-1.6				
MDJ	comp=Z,31nm,0.8s,mb5.3	MLR	MLR	09 32 56.8	-2.4				
MDJ	Yellowknife Ar	35.15 46	eP	09 33 01.8	-3.2				
MDJ	Yellowknife Ar	35.16 46	eP	09 34 03.3	-2.2				
MDJ	comp=Z,12nm,0.8s,mb4.9	PCP	PCP	09 35 19.9	+0.2				
MDJ	comp=Z,3.4nm,0.7s,baz=282,slow=2.9,SNR=4.2	S	S	09 38 13.1	+0.8				
MDJ	comp=Z,0.1nm,0.5s,baz=95,slow=5.1,SNR=7.0	XS	XS	09 38 32.4					
MDJ	Yellowknife Ar	35.16 46	eP	09 39 00.6					
MDJ	comp=Z,24nm,1.4s,mb4.9	PCP	PCP	09 39 05.8					
MDJ	comp=Z,427nm,4.3s	AMB	AMB						
MDJ	comp=N,4um,31.5s,MS5.2	AMB	AMB						
MDJ	comp=E,5um,31.5s,MS5.2	LR	LR						
MDJ	comp=Z,8um,23.0s	LR	LR						
MDJ	Mudanjiang	34.84 280	eP	09 32 45.5	-1.6				
MDJ	comp=Z,31nm,0.8s,mb5.3	MLR	MLR	09 32 56.8	-2.4				
MDJ	Yellowknife Ar	35.15 46	eP	09 33 01.8	-3.2				
MDJ	Yellowknife Ar	35.16 46	eP	09 34 03.3	-2.2				
MDJ	comp=Z,12nm,0.8s,mb4.9	PCP	PCP	09 35 19.9	+0.2				
MDJ	comp=Z,3.4nm,0.7s,baz=282,slow=2.9,SNR=4.2	S	S	09 38 13.1	+0.8				
MDJ	comp=Z,0.1nm,0.5s,baz=95,slow=5.1,SNR=7.0	XS	XS	09 38 32.4					
MDJ	Yellowknife Ar	35.16 46	eP	09 39 00.6					
MDJ	comp=Z,24nm,1.4s,mb4.9	PCP	PCP	09 39 05.8					
MDJ	comp=Z,427nm,4.3s	AMB	AMB						
MDJ	comp=N,4um,31.5s,MS5.2	AMB	AMB						
MDJ	comp=E,5um,31.5s,MS5.2	LR	LR						
MDJ	comp=Z,8um,23.0s	LR	LR						
MDJ	Mudanjiang	34.84 280	eP	09 32 45.5	-1.6				
MDJ	comp=Z,31nm,0.8s,mb5.3	MLR	MLR	09 32 56.8	-2.4				
MDJ	Yellowknife Ar	35.15 46	eP	09 33 01.8	-3.2				
MDJ	Yellowknife Ar	35.16 46	eP	09 34 03.3	-2.2				
MDJ	comp=Z,12nm,0.8s,mb4.9	PCP	PCP	09 35 19.9	+0.2				
MDJ	comp=Z,3.4nm,0.7s,baz=282,slow=2.9,SNR=4.2	S	S	09 38 13.1	+0.8				
MDJ	comp=Z,0.1nm,0.5s,baz=95,slow=5.1,SNR=7.0	XS	XS	09 38 32.4					
MDJ	Yellowknife Ar	35.16 46	eP	09 39 00.6					
MDJ	comp=Z,24nm,1.4s,mb4.9	PCP	PCP	09 39 05.8					
MDJ	comp=Z,427nm,4.3s	AMB	AMB						
MDJ	comp=N,4um,31.5s,MS5.2	AMB	AMB						
MDJ	comp=E,5um,31.5s,MS5.2	LR	LR						
MDJ	comp=Z,8um,23.0s	LR	LR						
MDJ	Mudanjiang	34.84 280	eP	09 32 45.5	-1.6				
MDJ	comp=Z,31nm,0.8s,mb5.3	MLR	MLR	09 32 56.8	-2.4				
MDJ	Yellowknife Ar	35.15 46	eP	09 33 01.8	-3.2				
MDJ	Yellowknife Ar	35.16 46	eP	09 34 03.3	-2.2				
MDJ	comp=Z,12nm,0.8s,mb4.9	PCP	PCP	09 35 19.9	+0.2				
MDJ	comp=Z,3.4nm,0.7s,baz=282,slow=2.9,SNR=4.2	S	S	09 38 13.1	+0.8				
MDJ	comp=Z,0.1nm,0.5s,baz=95,slow=5.1,SNR=7.0	XS	XS	09 38 32.4					
MDJ	Yellowknife Ar	35.16 46	eP	09 39 00.6					
MDJ	comp=Z,24nm,1.4s,mb4.9	PCP	PCP	09 39 05.8					
MDJ	comp=Z,427nm,4.3s	AMB	AMB						
MDJ	comp=N,4um,31.5s,MS5.2	AMB	AMB						
MDJ	comp=E,5um,31.5s,MS5.2	LR	LR						
MDJ	comp=Z,8um,23.0s	LR	LR						
MDJ	Mudanjiang	34.84 280	eP	09 32 45.5	-1.6				
MDJ	comp=Z,31nm,0.8s,mb5.3	MLR	MLR	09 32 56.8	-2.4				
MDJ	Yellowknife Ar	35.15 46	eP	09 33 01.8	-3.2				
MDJ	Yellowknife Ar	35.16 46	eP	09 34 03.3	-2.2				
MDJ	comp=Z,12nm,0.8s,mb4.9	PCP	PCP	09 35 19.9	+0.2				
MDJ	comp=Z,3.4nm,0.7s,baz=282,slow=2.9,SNR=4.2	S	S	09 38 13.1	+0.8				
MDJ	comp=Z,0.1nm,0.5s,baz=95,slow=5.1,SNR=7.0	XS	XS	09 38 32.4					
MDJ	Yellowknife Ar	35.16 46	eP	09 39 00.6					
MDJ	comp=Z,24nm,1.4s,mb4.9	PCP	PCP	09 39 05.8					
MDJ	comp=Z,427nm,4.3s	AMB	AMB						
MDJ	comp=N,4um,31.5s,MS5.2	AMB	AMB						
MDJ	comp=E,5um,31.5s,MS5.2	LR	LR						
MDJ	comp=Z,8um,23.0s	LR	LR						
MDJ	Mudanjiang	34.84 280	eP	09 32 45.5	-1.6				
MDJ	comp=Z,31nm,0.8s,mb5.3	MLR	MLR	09 32 56.8	-2.4				
MDJ	Yellowknife Ar	35.15 46	eP	09 33 01.8	-3.2				
MDJ	Yellowknife Ar	35.16 46	eP	09 34 03.3	-2.2				
MDJ	comp=Z,12nm,0.8s,mb4.9	PCP	PCP	09 35 19.9	+0.2				
MDJ	comp=Z,3.4nm,0.7s,baz=282,slow=2.9,SNR=4.2	S	S	09 38 13.1	+0.8				
MDJ	comp=Z,0.1nm,0.5s,baz=95,slow=5.1,SNR=7.0	XS	XS	09 38 32.4					
MDJ	Yellowknife Ar	35.16 46	eP	09 39 00.6					
MDJ	comp=Z,24nm,1.4s,mb4.9	PCP	PCP	09 39 05.8					
MDJ	comp=Z,427nm,4.3s	AMB	AMB						
MDJ	comp=N,4um,31.5s,MS5.2	AMB	AMB						
MDJ	comp=E,5um,31.5s,MS5.2	LR	LR						
MDJ	comp=Z,8um,23.0s	LR	LR						
MDJ	Mudanjiang	34.84 280	eP	09 32 45.5	-1.6				
MDJ	comp=Z,31nm,0.8s,mb5.3	MLR	MLR	09 32 56.8	-2.4				
MDJ	Yellowknife Ar	35.15 46	eP	09 33 01.8	-3.2				
MDJ	Yellowknife Ar	35.16 46	eP	09 34 03.3	-2.2				
MDJ	comp=Z,12nm,0.8s,mb4.9	PCP	PCP	09 35 19.9	+0.2				
MDJ	comp=Z,3.4nm,0.7s,baz=282,slow=2.9,SNR=4.2	S	S	09 38 13.1	+0.8				
MDJ	comp=Z,0.1nm,0.5s,baz=95,slow=5.1,SNR=7.0	XS	XS	09 38 32.4					
MDJ	Yellowknife Ar	35.16 46	eP	09 39 00.6					
MDJ	comp=Z,24nm,1.4s,mb4.9	PCP	PCP	09 39 05.8					
MDJ	comp=Z,427nm,4.3s	AMB	AMB						
MDJ	comp=N,4um,31.5s,MS5.2	AMB	AMB						
MDJ	comp=E,5um,31.5s,MS5.2	LR	LR						
MDJ									

SSE	comp=Z,80nm,4.1s	LR	LR		
SSE	comp=N,2um,23.1s,MS5.1	LR	LR		
SSE	comp=E,1um,23.1s,MS5.1	LR	LR		
SSE	comp=Z,3um,23.1s,MS5.2	LR	LR		
SSE	<b>Sheshan</b> 48.24 270	P	P	09 34 32.8	-3.9
SSE	comp=Z,24nm,0.8s,mb5.3	pP	pP	09 34 46.6	-2.6
SSE		PP	PP	09 36 25.3	-3.5
SSE		S	S	09 41 27.3	-4.6
SSE		S	S	09 41 49.8	
SSE		SS	SS	09 44 58.1	+1.6
SSE		LR	LR		
RSSD	comp=Z,3um,23.1s,MS5.2				
RSSD	<b>Black Hills</b> 48.60 68	eP	P	09 34 38.4	-0.9
RSSD	comp=Z,37nm,0.9s,mb5.4	MLR	MLR		
RSSD	comp=Z,832nm,19.0s,MS4.7				
RSSD	<b>Black Hills</b> 48.60 68	eP	P	09 34 38.4	-0.9
RSSD	comp=Z,37nm,0.9s,mb5.4	LR	LR		
RSSD	comp=Z,832nm,19.0s,MS4.7				
BTO	<b>Baotou</b> 49.04 287	eP	P	09 34 43.0	+0.2
BTO		S	S	09 41 42.5	-0.5
BTO		AMB	AMB		
NJ2	comp=Z,47nm,0.8s,mb5.6				
NJ2	<b>Nanjing</b> 49.06 272	eP	P	09 34 42.8	-0.2
NJ2		AP	pP	09 34 52.4	-3.1
NJ2		XP	sP	09 34 56.5	-4.4
NJ2		PP	PP	09 36 37.9	+0.9
NJ2		AMB	AMB		
NJ2	comp=Z,30nm,0.6s,mb5.5				
NJ2		AMB	AMB		
NJ2	comp=Z,970nm,11.2s	LR	LR		
NJ2	comp=N,7um,22.6s,MS5.8	LR	LR		
NJ2	comp=E,8um,21.2s,MS5.8	LR	LR		
NJ2	comp=Z,6um,22.0s,MS5.6	LR	LR		
PV10	<b>Paradox Valley</b> 49.10 77	eP	P	09 34 43.5	+0.2
TIY	<b>Taiyuan</b> 49.38 282	PR	LR	09 34 50.0	
TIY		LR	LR		
PHWY	comp=N,4um,17.0s				
WUAZ	<b>Pilot Hill</b> 49.45 71	eP	P	09 34 44.5	-1.5
WUAZ	<b>Wupatki</b> 49.47 81	eP	P	09 34 45.9	-0.3
WUAZ	comp=N,36nm,0.9s,mb5.4				
WUAZ		LR	LR		
PV01	comp=Z,6um,22.0s,MS5.6				
ULM	<b>Paradox Valley</b> 49.53 77	eP	P	09 34 46.2	-0.4
ULM	<b>Lac du Bonnet</b> 49.57 57	P	P	09 34 45.5	-1.2
ULM	comp=Z,4.9nm,0.4s,mb4.9,baz=313,slow=7.2,SNR=8.4	LR	LR	09 55 32.1	
ULM	comp=Z,4um,21.7s,MS5.4,baz=308,slow=36	LR	LR	09 34 45.0	-1.7
ULM	<b>Lac du Bonnet</b> 49.57 57	eP	P	09 34 45.0	-1.7
ULM	comp=Z,15nm,0.6s,mb5.2				
ULM		LR	LR		
KBS	comp=Z,7um,22.0s,MS5.6				
KBS	<b>Kingsbay</b> 49.97 357	eP	P	09 34 48.2	-1.2
KBS	comp=Z,87nm,1.3s,mb5.6	pmax	pmax		
KBS		MLR	MLR		
KBS	comp=Z,3um,19.0s,MS5.3				
KBS	<b>Kingsbay</b> 49.97 357	eP	P	09 34 48.2	-1.2
KBS	comp=Z,87nm,1.3s,mb5.6	LR	LR		
KBS		LR	LR		
KBS	comp=Z,3um,19.0s,MS5.3				
KBS	<b>Kingsbay</b> 49.97 357	eP	P	09 34 49.6	+0.2
KBS		AMS	AMS	09 58 07.2	
DAG	comp=Z,2um,19.9s,MS5.0				
DAG	<b>Danmarks Havn</b> 51.63 6	eP	P	09 35 00.0	-2.1
DAG		MLR	MLR		
DAG	comp=N,5um,22.0s				
DAG		MLR	MLR		
DAG	comp=Z,6um,22.0s,MS5.6				
DAG	<b>Danmarks Havn</b> 51.63 6	iP	P	09 35 00.0	-2.1
SDCO	comp=Z,6um,22.0s,MS5.6				
SDCO	<b>Great Sand Dun</b> 51.65 75	eP	P	09 35 02.7	0.0
SDCO	comp=Z,73nm,1.2s,mb5.5				
SDCO		LR	LR		
TUC	comp=Z,4um,20.0s,MS5.4				
TUC	<b>Tucson</b> 51.96 84	eP	P	09 35 04.4	-0.7
TUC		pmax	pmax		
TUC	comp=Z,19nm,0.8s,mb5.1				
TUC		MLR	MLR		
TUC	comp=Z,1um,19.0s,MS5.0				
TUC	<b>Tucson</b> 51.96 84	eP	P	09 35 04.4	-0.7
TUC	comp=Z,19nm,0.8s,mb5.1	LR	LR		
TAT0	comp=Z,1um,19.0s,MS5.0				
TAT0	<b>Taipei</b> 52.34 264	PFAKE	LR	09 35 20.0	+1.2
YHNB	comp=Z,6um,21.0s,MS5.6				
ANMO	<b>Yeheng</b> 52.63 263	eP	P	09 35 08.6	-1.6
ANMO	<b>Albuquerque</b> 52.88 78	eP	P	09 35 11.8	-0.2
ANMO		pmax	pmax		
ANMO	comp=Z,25nm,1.1s				
ANMO		MLR	MLR		
ANMO	comp=Z,5um,21.0s				
ANMO	<b>Albuquerque</b> 52.88 78	eP	P	09 35 11.8	-0.2
ANMO	comp=Z,25nm,1.1s,mb5.1	LR	LR		
WHN	comp=Z,5um,21.0s,MS5.5				
WHN	<b>Wuhan</b> 52.91 274	iP	P	09 35 10.0	-2.2
WHN		pP	pP	09 36 21.0	+0.2
WHN		PP	PP	09 37 10.0	-3.4
WHN		AMB	AMB		
WHN	comp=Z,1um,7.6s				
WHN		LR	LR		
EYMN	comp=Z,9um,27.8s,MS5.7				
EYMN	<b>Ely</b> 53.25 57	eP	P	09 35 12.6	-2.0
EYMN	comp=Z,49nm,1.0s,mb5.4				
EYMN		LR	LR		
EYMN	comp=Z,5um,22.0s,MS5.5				
SUMG	<b>Sunmit</b> 53.39 14	P	P	09 35 13.3	-1.9
SUMG	comp=Z,26nm,0.9s,mb5.2				
XAN	<b>Xi'an</b> 53.93 281	P	P	09 35 18.3	-1.4
XAN		PP	PP	09 37 17.6	-5.0
XAN		PP	PP	09 42 51.0	+0.8
XAN		AMB	AMB		
XAN	comp=Z,34nm,1.6s,mb5.0				
XAN		LR	LR		
XAN	comp=N,2um,23.7s,MS5.4				
XAN		LR	LR		
XAN	comp=E,3um,21.9s,MS5.4				
XAN		LR	LR		
XAN	comp=Z,4um,23.4s,MS5.4				
XAN		LR	LR		
OZH	<b>Quanzhou</b> 54.17 266	iP	P	09 35 20.4	-1.2
OZH		pP	pP	09 36 23.8	-1.8
OZH		PP	PP	09 37 24.0	-1.0
OZH		AMB	AMB		
OZH	comp=Z,100nm,1.1s,mb5.7				
OZH		AMB	AMB		
OZH	comp=Z,1um,8.5s	LR	LR		
OZH	comp=N,3um,16.3s,MS5.4	LR	LR		
OZH	comp=E,1um,15.3s,MS5.4	LR	LR		
OZH		LR	LR		
ZAL	comp=Z,5um,22.0s				
ZAL	<b>Zalesovo</b> 54.33 314	P	P	09 35 22.4	0.0
ZAL	comp=Z,2.2nm,0.6s,mb4.3,baz=56,slow=8.6,SNR=7.7	PcP	PcP	09 36 26.3	+0.5
CBKS	<b>Cedar Bluff</b> 54.42 70	eP	P	09 35 22.6	-0.7
CBKS	comp=Z,135nm,0.9s,mb5.9	pmax	pmax		
CBKS		MLR	MLR		
CBKS	comp=Z,3um,19.0s,MS5.3				
CBKS	<b>Cedar Bluff</b> 54.42 70	eP	P	09 35 22.6	-0.7
CBKS	comp=Z,135nm,0.9s,mb5.9	LR	LR		
CBKS		LR	LR		
CBKS	comp=Z,3um,19.0s,MS5.3				
NVS	<b>Novosibirsk</b> 54.55 315	eP	P	09 35 21.3	-1.9
NVS		iP	iP	09 36 25.0	
NVS		pmax	pmax		
NVS	comp=Z,20nm,1.0s,mb5.0				
NVS		pmax	pmax		
LZH	comp=E,11nm,1.0s				
LZH	<b>Lanzhou</b> 55.66 287	iP	P	09 35 32.1	-0.2
LZH		PP	PP	09 37 39.0	+0.8
LZH		S	S	09 43 18.0	+4.6
LZH		XS	XS	09 43 36.3	

LZH	comp=Z,300nm,1.5s,mb6.1	AMB	AMB		
LZH		AMB	AMB		
LZH	comp=Z,630nm,5.0s	LR	LR		
LZH	comp=E,15um,15.7s	LR	LR		
LZH	comp=Z,21um,16.5s,MS6.3				
LZH	<b>Lanzhou</b> 55.66 287	iP	P	09 35 32.1	-0.2
LZH		*SP	sP	09 35 42.3	-8.0
LZH		S	S	09 37 39.0	+0.8
LZH		*SS	sS	09 43 18.0	+4.6
LZH		pmax	pmax	09 43 36.2	
LZH	comp=Z,300nm,1.5s,mb6.1	MLR	MLR		
LZH	comp=Z,21um,16.5s,MS6.3				
LZH	<b>Lanzhou</b> 55.66 287	iP	P	09 35 32.1	-0.2
LZH	comp=Z,300nm,1.5s,mb6.1	pP	pP	09 35 38.2	-6.8
LZH		sP	sP	09 35 42.3	-8.0
LZH		PP	PP	09 37 39.0	+0.8
LZH		S	S	09 43 18.0	+4.6
LZH		sS	sS	09 43 36.2	
LZH		SS	SS	09 47 08.3	+9.4
SFJD	comp=Z,21um,16.5s,MS6.3				
SFJD	<b>Kangerlussuaq</b> 55.70 22	eP	P	09 35 31.3	-0.9
SFJD		i	i	09 36 31.5	
SFJD		pmax	pmax		
SFJD	comp=Z,3.0nm,0.3s,mb4.8				
SFJD	<b>Kangerlussuaq</b> 55.70 22	eP	P	09 35 31.3	-0.9
SFJD	comp=Z,2.6nm,0.3s,mb4.7				
SFJD		i	i	09 35 31.5	
SFJD		P	P	09 35 31.9	-1.0
SFJD		LR	LR		
MNTX	comp=Z,2um,20.0s,MS5.2	LR	LR		
GTA	<b>Gaotai</b> 55.85 292	iP	P	09 35 33.0	-0.6
GTA		AP	pP	09 35 46.3	0.0
GTA		XP	sP	09 35 51.5	-0.1
GTA		PCP	pP	09 36 30.8	-1.1
GTA		PP	PP	09 37 38.9	-1.0
GTA		PPP	PPP	09 38 54.0	-1.6
GTA		SCP	SCP	09 40 24.6	
GTA		PcS	PcS	09 40 30.8	
GTA		S	S	09 43 32.9	+1.4
GTA		SS	SS	09 45 16.4	+1.2
GTA		SS	SS	09 47 01.8	-0.1
GTA		AMB	AMB		
GTA	comp=Z,115nm,1.0s,mb5.9	AMB	AMB		
GTA	comp=Z,797nm,8.8s	LR	LR		
GTA	comp=N,5um,18.4s,MS5.7	LR	LR		
GTA	comp=E,4um,21.3s,MS5.7	LR	LR		
GTA		LR	LR		
GTA	comp=Z,4um,25.0s,MS5.4				
GTA	<b>Amarillo</b> 55.85 75	eP	P	09 35 32.6	-1.0
GTA	comp=Z,90nm,0.9s,mb5.3	LR	LR		
AMTX		LR	LR		
AMTX	comp=Z,3um,20.0s,MS5.3				
KSU1	<b>Kansas State U</b> 56.07 68	eP	P	09 35 33.5	-1.7
ENH	<b>Enshi</b> 56.14 278	eP	P	09 35 33.7	-2.1
WMOK	comp=Z,27nm,0.6s,mb5.5				
WMOK	<b>Wichita Mouna</b> 57.71 73	eP	P	09 35 45.7	-1.2
WMOK		pmax	pmax		
WMOK	comp=Z,38nm,0.9s,mb5.4	MLR	MLR		
WMOK	comp=Z,5um,22.0s,MS5.6				
WMOK	<b>Wichita Mouna</b> 57.71 73	eP	P	09 35 45.7	-1.2
WMOK	comp=Z,38nm,0.9s,mb5.4	LR	LR		
WMOK		LR	LR		
JMIC	comp=Z,5um,22.0s,MS5.6				
JMIC	<b>Jan Mayen</b> 57.88 4	LR	LR	09 02 49.6	
JMIC	comp=Z,2um,19.6s,MS5.1,baz=345,slow=38				
JMIC	<b>Jan Mayen</b> 57.88 4	eP	P	09 35 47.8	+0.2
JMIC		eS	S	09 43 45.8	+3.6
JMIC		AMS	AMS	10 02 41.6	
KEV	comp=Z,1um,23.8s,MS5.0				
KEV	<b>Kevo</b> 57.91 350	eP	P	09 35 45.9	-1.9
KEV		pmax	pmax		
KEV	comp=Z,1.0nm,0.3s,mb4.3	MLR	MLR		
KEV		MLR	MLR		
KEV	comp=Z,2um,20.0s,MS5.3				
KEV	<b>Kevo</b> 57.91 350	eP	P	09 35 45.9	-1.9
KEV	comp=Z,1.1nm,0.3s,mb4.4	LR	LR		
ARCES	comp=Z,2um,20.0s,MS5.3				
ARCES	<b>ARCCESS Array B</b> 58.29 350	P	P	09 35 48.2	-2.2
ARCES	comp=Z,4.8nm,0.4s,mb4.8,baz=26,slow=8.4,SNR=56	PcP	PcP	09 36 41.5	+0.5
ARCES		PCP	PCP		
ARCES	comp=Z,18nm,1.0s,baz=14,slow=3.7,SNR=4.0				
ARCES	<b>ARCCESS Array B</b> 58.29 350	P	P	09 35 48.2	-2.2
ARCES		PcP	PcP	09 36 41.5	+0.5
ARCES		PcP	PcP	09 35 48.0	-2.5
AREO	<b>ARCCESS Array S</b> 58.29 350	eP	P	09 35 51.1	-1.0
LTX	<b>Lajitas</b> 58.44 81	eP	P	09 35 51.1	-1.0
LTX					

KMI Kunming	63.99 278	P	P	09 36 28.5 -1.0
KMI		AP	pP	09 36 42.3 -0.2
KMI		PP	PP	09 38 53.1 +0.8
KMI		PPP	PPP	09 40 25.1 +0.7
KMI		XS	S	09 45 02.8 +2.1
KMI		SCS	ScS	09 46 15.3 -0.3
KMI		SKS	SKS	09 46 18.3 +2.8
KMI		SS	SS	09 49 13.8 +2.6
KMI	comp=Z,24nm,1.6s,mb5.0	AMB	AMB	
KMI	comp=Z,624nm,7.4s	LR	LR	
KMI	comp=N,2um,18.8s,MS5.5	LR	LR	
KMI	comp=E,2um,21.4s,MS5.5	LR	LR	
KMI	comp=Z,3um,30.8s	LR	LR	
KMI Kunming	63.99 278	P	P	09 36 28.5 -1.0
KMI		PP	PP	09 36 42.3 -0.2
KMI		PPP	PPP	09 38 53.1 +0.8
KMI		S	S	09 40 25.1 +0.7
KMI		SS	SS	09 45 02.8 +2.0
KMI		SS	SS	09 45 22.9
KMI		SS	SS	09 46 15.2
KMI		SS	SS	09 49 13.7 +2.5
KMI	comp=Z,24nm,1.6s,mb5.0	MLR	MLR	
KMI	comp=Z,3um,30.8s,MS5.3	MLR	MLR	
KMI Kunming	63.99 278	P	P	09 36 28.5 -1.0
KMI		pP	pP	09 36 42.3 -0.2
KMI		PPP	PPP	09 38 53.1 +0.8
KMI		SS	SS	09 40 25.1 +0.7
KMI		SS	SS	09 45 02.7 +2.0
KMI		SS	SS	09 45 22.9
KMI		SS	SS	09 46 15.2 -0.4
KMI		SS	SS	09 46 18.3 +2.8
KMI		SS	SS	09 49 13.7 +2.5
KMI	comp=Z,24nm,1.6s,mb5.0	MLR	MLR	
KMI	comp=Z,3um,30.8s,MS5.3	MLR	MLR	
KMI Kunming	63.99 278	P	P	09 36 28.5 -1.0
KMI		pP	pP	09 36 42.3 -0.2
KMI		PPP	PPP	09 38 53.1 +0.8
KMI		SS	SS	09 40 25.1 +0.7
KMI		SS	SS	09 45 02.7 +2.0
KMI		SS	SS	09 45 22.9
KMI		SS	SS	09 46 15.2 -0.4
KMI		SS	SS	09 46 18.3 +2.8
KMI		SS	SS	09 49 13.7 +2.5
KMI	comp=Z,24nm,1.6s,mb5.0	MLR	MLR	
KMI	comp=Z,3um,30.8s,MS5.3	MLR	MLR	
KMI Kunming	63.99 278	P	P	09 36 28.5 -1.0
KMI		pP	pP	09 36 42.3 -0.2
KMI		PPP	PPP	09 38 53.1 +0.8
KMI		SS	SS	09 40 25.1 +0.7
KMI		SS	SS	09 45 02.7 +2.0
KMI		SS	SS	09 45 22.9
KMI		SS	SS	09 46 15.2 -0.4
KMI		SS	SS	09 46 18.3 +2.8
KMI		SS	SS	09 49 13.7 +2.5
KMI	comp=Z,24nm,1.6s,mb5.0	MLR	MLR	
KMI	comp=Z,3um,30.8s,MS5.3	MLR	MLR	
KMI Kunming	63.99 278	P	P	09 36 28.5 -1.0
KMI		pP	pP	09 36 42.3 -0.2
KMI		PPP	PPP	09 38 53.1 +0.8
KMI		SS	SS	09 40 25.1 +0.7
KMI		SS	SS	09 45 02.7 +2.0
KMI		SS	SS	09 45 22.9
KMI		SS	SS	09 46 15.2 -0.4
KMI		SS	SS	09 46 18.3 +2.8
KMI		SS	SS	09 49 13.7 +2.5
KMI	comp=Z,24nm,1.6s,mb5.0	MLR	MLR	
KMI	comp=Z,3um,30.8s,MS5.3	MLR	MLR	
KMI Kunming	63.99 278	P	P	09 36 28.5 -1.0
KMI		pP	pP	09 36 42.3 -0.2
KMI		PPP	PPP	09 38 53.1 +0.8
KMI		SS	SS	09 40 25.1 +0.7
KMI		SS	SS	09 45 02.7 +2.0
KMI		SS	SS	09 45 22.9
KMI		SS	SS	09 46 15.2 -0.4
KMI		SS	SS	09 46 18.3 +2.8
KMI		SS	SS	09 49 13.7 +2.5
KMI	comp=Z,24nm,1.6s,mb5.0	MLR	MLR	
KMI	comp=Z,3um,30.8s,MS5.3	MLR	MLR	

GOGA	comp=Z,5um,20.0s,MS5.7	LR	LR	
LSA Lhasa	67.72 290	P	P	09 36 55.4 +2.1
LSA Lhasa	67.72 290	eP	pmax	09 36 54.2 +0.9
LSA	comp=Z,55nm,0.7s,mb5.7			
LSA Lhasa	67.72 290	eP	P	09 36 54.2 +0.9
NB2 NORSAR Subarra	67.82 355	P	P	09 36 51.9 -1.4
NB2 NORSAR Subarra	67.82 355	eP	pmax	09 36 51.9 -1.4
NB2	comp=Z,14nm,1.0s,mb5.0			
NB2 NORSAR Subarra	67.82 355	P	P	09 36 51.9 -1.4
NB2 NORSAR Array B	67.82 355	P	P	09 36 51.9 -1.5
NOA	comp=Z,6.3nm,0.8s,mb4.7,baz=5.4,slow=6.2,SNR=21	LR	LR	10 05 06.8
AML Almayashu	67.92 310	P	P	09 36 54.7 +0.5
NAO01 NORSAR Array S	68.04 355	PFAKE	LR	09 37 10.0 +15
NAO01	comp=Z,21um,21.0s,MS5.4	LR	LR	
JSC Jenkinsville	68.22 62	eP	P	09 36 55.7 -0.6
HFS Hengfeng	68.57 354	eP	LR	10 07 37.8
KKAR Karatay Array	68.67 313	eP	pmax	09 36 57.6 -1.3
KKAR	comp=Z,6.0nm,0.6s,mb4.7			
BER Bergen	68.71 358	eP	P	09 37 00.4 +1.6
BER	comp=Z,5um,20.0s,MS5.7	eS	P	09 36 56.2 -1.0
KSH Kashi	68.79 307	eP	P	09 36 59.1 -0.6
KSH	comp=Z,14nm,1.0s,mb5.0	eAP	P	09 37 12.0 -0.8
KSH	comp=Z,2um,21.0s,MS5.4	eXP	S	09 37 17.1 -0.6
KSH	comp=Z,2um,21.0s,MS5.4	ePCP	P	09 37 24.0 -0.2
KSH	comp=Z,2um,21.0s,MS5.4	ePPP	PP	09 39 32.1 -2.1
KSH	comp=Z,2um,21.0s,MS5.4	ePCP	PP	09 41 10.0 -2.0
KSH	comp=Z,2um,21.0s,MS5.4	ePCS	PP	09 41 22.0
KSH	comp=Z,2um,21.0s,MS5.4	eS	S	09 45 54.6 -4.0
KSH	comp=Z,2um,21.0s,MS5.4	eXS	09 46 17.0	
KSH	comp=Z,2um,21.0s,MS5.4	ePS	PS	09 46 26.1 -4.0
KSH	comp=Z,2um,21.0s,MS5.4	eSS	SS	09 46 51.0 -1.4
KSH	comp=Z,2um,21.0s,MS5.4	eSS	SS	09 46 21.3 -4.5
KSH	comp=Z,170nm,2.5s,mb5.5	LR	LR	
KSH	comp=N,6um,16.2s,MS6.2	LR	LR	
COW Cow Castle Cre	69.20 62	eP	P	09 37 01.9 -0.5
MOS Moscow	69.29 339	eP	P	09 37 01.8 -0.7
MOS	comp=Z,100nm,1.6s,mb5.5	e	pmax	09 37 24.3
MOS	comp=Z,92nm,1.6s,mb5.5	pmax	pmax	
MOS	comp=Z,5um,18.7s,MS5.8	MLR	MLR	
KONO Kongsberg	69.29 356	eP	pmax	09 37 01.2 -1.3
KONO	comp=Z,30nm,1.1s,mb5.1	e	pmax	
KONO	comp=Z,2um,21.0s,MS5.3	MLR	MLR	
KONO Kongsberg	69.29 356	eP	P	09 37 01.2 -1.3
KONO	comp=Z,30nm,1.1s,mb5.1	LR	LR	
KONO	comp=Z,2um,21.0s,MS5.3	LR	LR	
KONO Kongsberg	69.29 356	eP	P	09 36 57.4 -5.1
KONO	comp=Z,30nm,1.1s,mb5.1	S	P	09 46 07.1 +2.9
NHSC New Hope	69.69 62	eP	P	09 37 05.6 +0.2
NHSC	comp=Z,389nm,1.0s,mb3.3	LR	LR	
NHSC	comp=Z,6um,19.0s,MS5.8	LR	LR	
TWB Tillmans-White	69.73 62	eP	P	09 37 05.4 -0.2
CSU Charleston Sou	69.84 62	eP	P	09 37 06.2 -0.1
NAWT Nan	69.91 276	eP	P	09 37 04.0 -2.9
OBN Obninsk	70.12 339c	eP	P	09 37 06.2 -1.3
OBN	comp=Z,2um,21.0s,MS5.3	e	pP	09 37 19.5 -1.1
OBN	comp=Z,2um,21.0s,MS5.3	e	P	09 39 42.0
OBN	comp=Z,2um,21.0s,MS5.3	eS	SS	09 46 13.9 +0.1
OBN	comp=Z,2um,21.0s,MS5.3	eSS	SS	09 50 44.5 -1.0
OBN	comp=Z,2um,21.0s,MS5.3	eSS	pmax	
OBN Obninsk	70.10 339	i/P	P	09 37 06.2
SHL Shillong	70.33 286	eP	P	09 37 09.0 -0.4
SHL	comp=Z,3um,20.0s,MS5.6	eS	P	09 46 18.0 +1.1
CHG Chiang Mai	71.00 277	i/P	P	09 37 12.7 -0.8
PMOR Pomarioro Re	71.13 149	eP	P	09 37 16.2 +1.9
CM31 Chiang Mai Arr	71.27 276	eP	P	09 37 15.0 -0.1
CM31	comp=Z,20nm,0.7s,mb5.2	LR	LR	
CMAR Chiang Mai Arr	71.27 276	P	P	09 37 14.4 -0.7
CMAR	comp=Z,15nm,0.8s,mb5.0,baz=28,slow=6.8,SNR=37	LR	LR	10 12 16.6
GUN Gumba	72.14 292	eP	P	09 37 21.1 +0.9
JIRN Jiri	72.15 292	eP	P	09 37 21.3 +1.1
MNK Minsk	72.39 344	eP	P	09 37 20.0 -1.2
MUD Monsted U'grnd	72.50 356	i/P	P	09 37 23.0 +1.3
KKN Kakanj	72.58 293	eP	P	09 37 23.2 +0.5
PKI Putochi	72.67 292	eP	P	09 37 23.9 +0.6
DWPF Disney	72.73 67	eP	P	09 37 24.0 +0.4
DWPF	comp=Z,38nm,0.7s,mb5.4	LR	LR	
GKN Gorkha	72.79 293	eP	P	09 37 24.4 +0.4
DMN Damnan	72.81 293	eP	P	09 37 24.8 +0.6
PPT Papeete	73.01 191	eS	S	09 36 48.8 +1.0
PPT	comp=Z,315nm,1.0s,mb6.0	eS	SS	09 51 28.4 -3.2
PPT	comp=Z,315nm,1.0s,mb6.0	eLR	SS	09 59 01.6
PPT Papeete	73.01 151	LR	LR	10 04 29.2
COP Copenhagen	73.08 354	i/P	P	09 37 26.1 +1.0
COP	comp=Z,3um,18.1s,MS5.6,baz=322,slow=32	S	P	09 46 52.3 +4.4
KOLN Koldanda	73.56 294	eP	P	09 37 28.9 +0.3
SUW Suwalki	73.59 347	eP	P	09 37 27.4 -0.7
AUK Auk	73.59 347	eP	pP	09 37 40.1 -1.2
SUW	comp=Z,258nm,0.6s,mb5.3	eP	P	09 37 44.2 0.0
SUW	comp=Z,258nm,0.6s,mb5.3	eP	P	10 14 02.4
SUW	comp=Z,2um,19.2s,MS5.5	MLR	MLR	
KLP Kalpa	73.69 300	eP	P	09 37 29.7 +0.5
ESK Eskdalemuir	73.75 3	PFAKE	LR	09 37 40.0 +11
RAR Rarotonga	73.96 162	LR	LR	10 04 24.4
RAR Rarotonga	73.96 162	PFAKE	LR	09 37 40.0 +9.0
DZM Mont Dzumak	74.18 195	P	P	09 37 34.6 +2.4
LGTI Lohaghat	74.19 297	eP	P	09 37 33.0 +0.9
TEIG Teighat	74.59 77	PFAKE	LR	09 37 50.0 +15
TEIG	comp=Z,727nm,21.0s,MS5.0	LR	LR	
SMLA Smla	74.59 301	i/P	P	09 37 27.6 -6.9
BSEG Bad Segeberg	74.96 355	eP	P	09 37 35.8 -0.3
MDUB Kingscourt	75.01 5	eP	P	09 37 36.7 +0.4
GKP Gorka Kiasztor	75.05 350	eP	P	09 37 36.0 -0.6
GKP	comp=Z,3um,21.5s,MS5.6	eP	pP	09 37 46.3 -3.5
GKP	comp=Z,3um,21.5s,MS5.6	MLR	MLR	10 12 05.5
BOK Bokaro	75.24 290	i/P	P	09 37 37.7 -0.6
DCN Croghan	75.54 5	eP	P	09 37 38.9 -0.5
WAR Warsaw	75.61 348	eP	MLR	09 37 40.8 +0.8
WAR	comp=Z,2um,20.8s,MS5.5	LR	LR	10 16 11.9

DLF Lyons Farm	75.63 5	eP	P	09 37 39.2 -0.7
DSB Dublin	75.69 5	eP	P	09 37 40.9 +0.6
AKASA Main Array Be	75.77 342	P	P	09 37 39.6 -1.1
AKASA	comp=Z,32nm,0.8s,mb5.3,baz=16,slow=5.6,SNR=26			
NDI New Delhi	76.46 299	eP	P	09 37 43.5 -1.7
BHGR Bahadurgarh	76.61 299	eP	P	09 37 46.1 +0.1
KAKA Kakadu	76.62 229	eP	P	09 37 45.9 -0.4
RTK Rohtak	76.63 300	eP	P	09 37 45.8 -0.4
RTK	comp=Z,29nm,0.6s,mb5.4	AMB	AMB	09 37 47.7
AYAN Aya Nagar	76.67 299	eP	P	09 37 45.2 -1.2
SONA Sohna	76.87 299	eP	P	09 37 47.3 -0.2
SONA	comp=Z,68nm,0.6s,mb5.7			
CLZ Clausthal	77.04 354	eP	P	09 37 47.9 -0.1
WTBS Winterswijk	77.09 357	eP	P	09 37 50.0 +1.8
AGRA Agra	77.18 297	eP	P	09 37 49.2 -0.1
KSM Kuching	77.19 256	eP	P	09 37 49.4 -0.9
CLL Colim	77.39 353	i/P	pP	09 37 49.0 -2.8
CLL	comp=Z,27nm,0.9s,mb5.2	eS	pP	09 37 36.2 -3.8
CLL	comp=Z,17nm,1.0s,mb4.9	eS	pmax	09 47 33.0 -2.5
CLL	comp=Z,2um,17.8s,MS5.5	MLR	MLR	
CLL Colim	77.39 353	i/P	P	09 37 49.0 -0.9
CLL	comp=Z,2um,17.8s,MS5.5	i	pP	09 37 59.5 -3.6
CLL	comp=Z,logAT=1.2,mb4.9	e	pP	09 38 13.0
CLL	comp=Z,2um,17.8s,MS5.5	i	P	09 38 32.1
CLL	comp=Z,2um,17.8s,MS5.5	ePPP	PP	09 42 35.0 +0.3
CLL	comp=Z,2um,17.8s,MS5.5	eS	SS	09 47 33.0 -2.5
CLL	comp=Z,2um,17.8s,MS5.5	eSS	SS	09 48 11.0 +4.5
CLL	comp=Z,2um,17.8s,MS5.5	eSS	SS	09 52 34.0 -3.5
CLL	comp=Z,2um,17.8s,MS5.5	eSS	SS	09 58 18.0
CTA Charters Tower	77.48 214	eP	P	09 37 51.0 0.0
CTA Charters Tower	77.48 214	eP	pmax	09 37 51.0 0.0
CTA	comp=Z,13nm,0.9s,mb4.9	eP	pmax	
CTA Charters Tower	77.48 214	eP	pmax	09 37 51.0 0.0
CTA	comp=Z,33nm,1.1s,mb5.2	eP	pmax	
CTA Charters Tower	77.48 214	eP	MLR	09 37 50.8 -0.2
CTA	comp=Z,2um,20.0s,MS5.4	MLR	MLR	
CTA Charters Tower	77.48 214	eP	LR	09 37 50





Table of station data for the 21d 10h period, including station names, coordinates, and various parameters like LVC, DRV, KMB, etc.

Table of station data for the 2005 APR period, including station names, coordinates, and various parameters like LVC, DRV, KMB, etc.

Table of station data for the 2005 APR period, including station names, coordinates, and various parameters like LVC, DRV, KMB, etc.



21d 15h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like EGRO El Granado, EGRO PTOM, EMIN Mina Concepcio, etc.

21d 15h: 5.6m, 0.2s. EGRO El Granado 2.96 75 P S. EGRO PTOM 3.50 36 eSn. EMIN Mina Concepcio 3.64 73 P P.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, JIRN Jiri, PKI Pulchoki, etc.

CMAR Chiang Mai Arr 13.67 15 P P. JIRN Jiri 23.90 340 eP. PKI Pulchoki 24.09 338 eP.

2005 APR

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SUR Sutherland, SNA A, MAW, BOSA, etc.

IDC 21 13:35:42.4, 0.9, 52.64S, 25.97E, mb4.0/7, mb1 4.2/7, mb1mx4.0/16, mbtmp4.1/7, MS3.9/9, Ms1 3.8/9, ms1mx3.7/20, Error ellipse: s-maj=38.7km s-min=19.4km az=77.0.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DBIC Dimbokro, CPUP Villa Florida, BDFB Brasilia, etc.

IDC 21 13:37:02.0, 0.2, 44.32N, 7.50E, h5km, 1km, M12.1, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AUTN L'Aution, SAOF Saorge, TOUF Mont Tournerai, etc.

JMA 21 15:19:43.5, 0.2, 24.20N, 121.86E, h84km, M2.3. TAP 21 15:19:43.3, 24.06N, 121.83E, h60km, ML3.1, Taiwan.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like YOH Yonaguni jima, IRIF Iriomote-Funau, HATJ Hateruma jima, etc.

IDC 21 15:29:47.8, 3.3, 0.93S, 100.79E, mb3.4/4, mb1 3.5/5, mb1mx3.4/17, mbtmp3.3/5, ML3.4/1, MS3.9/1, Ms1 3.9/1, ms1mx2.6/30, Error ellipse: s-maj=130.2km s-min=22.1km az=59.0, Southern Sumatera.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, WRA Warrungama Arr, ASAR Alice Springs, etc.

CMAR Chiang Mai Arr 19.35 355 P P. WRA Warrungama Arr 37.87 122 P. ASAR Alice Springs 39.26 128 P.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAJO Matushiro, MAT Matushiro, MAT Honsara, etc.

DJA 21 15:38:54.0, 0.9, 9.67S, 114.80E, h15km, ML4.8/4, 4C-4D, Error ellipse: s-maj=20.1km s-min=8.4km az=9.0, South of Bali.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like RATI Rata, SRI Sredheue, SRI Kelakatan, etc.

NEIC 21 15:39:53.4, 0.30, 60S, 72.22W, h5km, ML3.6(GUC), After GUC.

GUC 21 15:39:53.4, 0.30, 60S, 72.22W, h5km, ML3.6, 1D, Off coast of central Chile.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TLL Tololo Astrono, PEL Peldehue, LCH Las Cruces, etc.

CASC 21 15:40:47.0, 2.3, 9.86N, 86.19W, h13km, 109km, MD4.5, ML3.7, mb4.6(NEIC).

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like GUMO Guam, JOW Jiwigami, JOW Jarama, etc.

GUMO Guam 0.63 281 eP. JOW Jiwigami 20.91 312 P. JOW Jarama 15.43 453 S.

Table with columns for station name, coordinates, and other details. Includes stations like JTS, JuntasAbangare, JONCOP, etc.

Table with columns for station name, coordinates, and other details. Includes stations like YBH, Yreka Blue Hor, WALA, etc.

Table with columns for station name, coordinates, and other details. Includes stations like KK31, Karatay Array, KK31, etc.

Table with columns: Station Name, Frequency, Power, SNR, Azimuth, Elevation, and other parameters. Includes stations like ELUQ Luque, ZAI Zaio, REAL Reales, EBAN Banos Encina, etc.

Table with columns: Station Name, Frequency, Power, SNR, Azimuth, Elevation, and other parameters. Includes stations like CZD Col de Zad Beja, EVO Evora, EMOS Mosqueruela, etc.

Table with columns: Station Name, Frequency, Power, SNR, Azimuth, Elevation, and other parameters. Includes stations like EALK Alkurruntz Incio, EINC Inci, EARI Arriendas, etc.



Table with columns: EADA, Adamuz, 4.02 305 P Pn, 16 29 39.1 +0.6, 16 30 27.2 +1.0, 16 29 38.3 -0.2

MAN 21 16:44:30.6, 12.53N, 125.94E, h15km, mb4.4, ML3.3, MS3.1
IDC 21 16:44:30.9, 1.7, 12.17N, 125.56E, mb3.6/4, mb1 3.7/4, mb1mx3.4/21, mbtmp3.6/4, Error ellipse: s-maj=7.9, 1.1km s-min=24.6km az=59.0

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

IDC 21 17:05:42.0, 11.0, 7.81S, 121.07E, mb3.4/2, mb1 3.7/4, mb1mx3.5/19, mbtmp3.4/4, ML3.6/2, Error ellipse: s-maj=179.5km s-min=139.5km az=90.0, Flores Sea

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

IDC 21 17:08:41.2, 2.3, 8.11N, 91.56E, mb3.4/5, mb1 3.5/6, mb1mx3.4/21, mbtmp3.4/2, ML3.7/1, Error ellipse: s-maj=179.0km s-min=22.1km az=69.0, Nicobar Islands region

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

IDC 21 17:13:00.2, 2.6, 1.92S, 99.68E, mb3.4/7, mb1 3.6/7, mb1mx3.5/19, mbtmp3.4/7, Error ellipse: s-maj=111.8km s-min=20.3km az=56.0, Southern Sumatara

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

IDC 21 17:14:29.7, 8.4, 33.74S, 179.43W, h41km, 76km, mb3.8/2, mb1 4.1/3, mb1mx3.7/15, mbtmp4.1/3, ML4.0/1, MS3.3/1, Ms1 3.3/1, ms1mx2.7/24, Error ellipse: s-maj=61.4km s-min=51.3km az=142.0

NEIC 21 17:14:40.0, 3.2, 34.68S, 179.69W, h145km, 24km, mb4.7/1, Error ellipse: s-maj=39.7km s-min=18.7km az=52.0

IDC 21 17:14:33.5, 1.3, 34.19S, 0.07, 179.6W, 0.1, h167km, n13km, n3, 1800/43, mb4.1/3, 1C, South of Kermadec Islands

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

Table with columns: THZ, Tophouse, 9.61 216 ePN, 17 16 47.9 -0.8, 17 18 35.7 +1.0, 17 16 51.2 -0.5

IDC 21 17:26:00.7, 59.23S, 17.60W, mb4.0/9, mb1 4.1/9, mb1mx4.0/17, mbtmp3.9/9, ML5.0/1, MS4.6/16, Ms1 4.6/16, ms1mx4.5/22, Error ellipse: s-maj=27.4km s-min=19.1km az=26.0

HRVD 21 17:27:19.1, 0.1, 59.31S, 17.06W, h12km, MW5.4/77, Centroid moment tensor solution. LP body waves: s64,c130,Mantle waves: s77,c159; Half duration: 192 Moment tensor: Scale 1071Nm; Mr=0.03e2; Mw=0.31e3; Mo=0.34e2; M0=0.33e0; Mw=1.45e+02; Mw=0.14e+06; Best double couple: Mo=1.53x10^17 NP1: 65.49, 3.78, -1.73; NP2: 26.26, 3.84, -1.12; Principal axes: T=1.511, P1=4.7, Az=309; N=0.39, P1=7.7, Az=55; P=1.55, P1=3.1, Az=218; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s.

NEIC 21 17:27:19.1, 5.6, 59.23S, 17.08W, h8km, 34km, mb4.9/18 Error ellipse: s-maj=14.1km s-min=11.1km az=197.0

BUI 21 17:17:31.1, 5.9, 20S, 17.10W, h8km, mb5.5, Ms5.3, Msz4.9

IDC 21 17:27:0.4, 59.29S, 0.66, 17.0W, 0.1, h10km, n68, c141/38, mb4.6/23, MS4.7/21, 6C-1D, East of South Sandwich Islands

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

IDC 21 17:27:0.4, 59.29S, 0.66, 17.0W, 0.1, h10km, n68, c141/38, mb4.6/23, MS4.7/21, 6C-1D, East of South Sandwich Islands

IDC 21 17:27:0.4, 59.29S, 0.66, 17.0W, 0.1, h10km, n68, c141/38, mb4.6/23, MS4.7/21, 6C-1D, East of South Sandwich Islands

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

IDC 21 17:27:0.4, 59.29S, 0.66, 17.0W, 0.1, h10km, n68, c141/38, mb4.6/23, MS4.7/21, 6C-1D, East of South Sandwich Islands

IDC 21 17:27:0.4, 59.29S, 0.66, 17.0W, 0.1, h10km, n68, c141/38, mb4.6/23, MS4.7/21, 6C-1D, East of South Sandwich Islands

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

IDC 21 17:27:0.4, 59.29S, 0.66, 17.0W, 0.1, h10km, n68, c141/38, mb4.6/23, MS4.7/21, 6C-1D, East of South Sandwich Islands

IDC 21 17:27:0.4, 59.29S, 0.66, 17.0W, 0.1, h10km, n68, c141/38, mb4.6/23, MS4.7/21, 6C-1D, East of South Sandwich Islands

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

IDC 21 17:27:0.4, 59.29S, 0.66, 17.0W, 0.1, h10km, n68, c141/38, mb4.6/23, MS4.7/21, 6C-1D, East of South Sandwich Islands

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

IDC 21 17:27:0.4, 59.29S, 0.66, 17.0W, 0.1, h10km, n68, c141/38, mb4.6/23, MS4.7/21, 6C-1D, East of South Sandwich Islands

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

IDC 21 17:27:0.4, 59.29S, 0.66, 17.0W, 0.1, h10km, n68, c141/38, mb4.6/23, MS4.7/21, 6C-1D, East of South Sandwich Islands

Table with columns: comp=N, 153nm, 28.3s, MS4.6, 17 16 47.9 -0.8, 17 18 35.7 +1.0, 17 16 51.2 -0.5

IDC 21 17:27:0.4, 59.29S, 0.66, 17.0W, 0.1, h10km, n68, c141/38, mb4.6/23, MS4.7/21, 6C-1D, East of South Sandwich Islands

IDC 21 17:27:0.4, 59.29S, 0.66, 17.0W, 0.1, h10km, n68, c141/38, mb4.6/23, MS4.7/21, 6C-1D, East of South Sandwich Islands

IDC 21 17:27:0.4, 59.29S, 0.66, 17.0W, 0.1, h10km, n68, c141/38, mb4.6/23, MS4.7/21, 6C-1D, East of South Sandwich Islands

IDC 21 17:27:0.4, 59.29S, 0.66, 17.0W, 0.1, h10km, n68, c141/38, mb4.6/23, MS4.7/21, 6C-1D, East of South Sandwich Islands

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

IDC 21 17:27:0.4, 59.29S, 0.66, 17.0W, 0.1, h10km, n68, c141/38, mb4.6/23, MS4.7/21, 6C-1D, East of South Sandwich Islands

IDC 21 17:27:0.4, 59.29S, 0.66, 17.0W, 0.1, h10km, n68, c141/38, mb4.6/23, MS4.7/21, 6C-1D, East of South Sandwich Islands

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

IDC 21 17:27:0.4, 59.29S, 0.66, 17.0W, 0.1, h10km, n68, c141/38, mb4.6/23, MS4.7/21, 6C-1D, East of South Sandwich Islands

IDC 21 17:27:0.4, 59.29S, 0.66, 17.0W, 0.1, h10km, n68, c141/38, mb4.6/23, MS4.7/21, 6C-1D, East of South Sandwich Islands

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

IDC 21 17:27:0.4, 59.29S, 0.66, 17.0W, 0.1, h10km, n68, c141/38, mb4.6/23, MS4.7/21, 6C-1D, East of South Sandwich Islands

IDC 21 17:27:0.4, 59.29S, 0.66, 17.0W, 0.1, h10km, n68, c141/38, mb4.6/23, MS4.7/21, 6C-1D, East of South Sandwich Islands

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

IDC 21 17:27:0.4, 59.29S, 0.66, 17.0W, 0.1, h10km, n68, c141/38, mb4.6/23, MS4.7/21, 6C-1D, East of South Sandwich Islands

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

IDC 21 17:27:0.4, 59.29S, 0.66, 17.0W, 0.1, h10km, n68, c141/38, mb4.6/23, MS4.7/21, 6C-1D, East of South Sandwich Islands

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

IDC 21 17:27:0.4, 59.29S, 0.66, 17.0W, 0.1, h10km, n68, c141/38, mb4.6/23, MS4.7/21, 6C-1D, East of South Sandwich Islands





Table with columns: BRTR, Keskin Array B, 97.71 314 P, P, 19 57 56.6 -0.6, comp=2.0,6nm,0.6s,mb4.3,baz=90,slow=1.2,SNR=4.6

IDC 21 19:38:31.0,0.3,1.8,13S:120.87E,h56km,28km,mb3,9/9, mb1 4.1/12,mb1mx4.0/21,mbtmp4.3/12,ML4.3/2,MS3.9/2, Ms1 3.8/2,ms1mx2.9/26,Error ellipse: s-maj=34.0km s-min=10.1km az=58.0

NEIC 21 19:38:30.2,1.0,8.15S:120.69E,h49km,10km,mb4,6/6, Error ellipse: s-maj=14.7km s-min=6.2km az=215.0

BUI 21 19:38:31.7,8.10S:120.70E,h48km,mb4.3, DJA 21 19:39:29.2,8.8,7.0S:116.17E,h22km,3km,MD4.6/2, Error ellipse: s-maj=74.0km s-min=11.9km az=124.0

ISC 21 19:38:27.6,1.2,8.13S:106.9E,120.77E,0.06,h41km,1.2km, n49,c112/57,mb4.5/21,MS3.9/2,11C, Flores region

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Lists various stations like Kedondong, Rata, Kelakatan, etc.

NEIC 21 19:56:10.1,0.30,82S:71.83W,h7km,After GUC 21 19:56:10.1,0.8,30.82S:71.83W,h7km,3km,ML4.4, 1C-4D, Near coast of central Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Lists stations like Ovale, Illapel, Los Chungos, etc.

Table with columns: CLCH, FCH, FSR, LNLV, CHCH, TRQA, Amp, P, 19 57 41.6, 19 57 42.5, 19 56 58.0 +0.8, 19 57 33.6 +1.1, 19 57 01.1 0.0, 19 57 03.2 +0.5, 19 57 59.4, 19 58 45.4 -3.8

IDC 21 19:57:43.0,3.1,15.34S:99.12W,h166km,55km,mb3,1/1, mb1 3.1/2,mb1mx2.9/19,mbtmp3.3/2,Error ellipse: s-maj=141.9km s-min=54.2km az=3.0,Peru-Bolivia border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Lists stations like La Paz, Siv, YKA, Sonm, etc.

DJA 21 19:58:19.6,1.0,8.60S:114.96E,h109km,8km,MD4.7/3, 6C-1D, Error ellipse: s-maj=40.6km s-min=7.7km az=7.0, Bali region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Lists stations like Rata, Kelakatan, Srdi, etc.

IDC 21 20:29:25.7,1.2,4.42S:138.05E,mb3.8/3,mb1 4.2/6, mb1mx3.9/13,mbtmp4.0/6,ML3.8/3,MS3.7/1, Ms1 3.7/1, ms1mx2.8/19, Error ellipse: s-maj=58.8km s-min=26.0km az=82.0

NEIC 21 20:29:30.8,0.8,4.59S:138.04E,h35km,mb4.3/2, Error ellipse: s-maj=16.7km s-min=13.2km az=132.0

ISC 21 20:28:20.4,4.7,4.63S:109.38E,1.1,h30km,36km, n22,c1125/24,mb4.4/10,MS3.6/1,Irian Jaya

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Lists stations like Kaka, Kaka, Pmg, Wrb, Wb2, Wra, Wra, Wra, etc.

NEIC 21 20:34:04.2,37.28N:24.66E,h16km,MD3.0(ATH), After ATH

CSEM 21 20:34:04.2,37.28N:24.66E,h16km,MD3.1/4, After ATH ATH 21 20:34:32.2,35.60N:26.07E,h14km,MD2.9/3

ISC 21 20:34:31.0,0.8,35.68N:0.08,25.98E,0.09,h29km,16km, n7,c0927/8,Crete

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Lists stations like Nps, Nps, Thr1, Xry, Thr3, ThrS, KarP, KarP, etc.

Table with columns: FNA, GRG, STON, BRTR, MLR, AKAS, HFS, FINES, EKA, NOA, ARCES, MKAR, BOSA, etc. Lists various stations and their coordinates.

IDC 21 20:00:14.0,1.4,15.87S:175.29W,mb3.9/3,mb1 4.2/3, mb1mx3.8/16,mbtmp3.9/3,MS3.6/2,Ms1 3.6/2, ms1mx2.9/30, Error ellipse: s-maj=259.2km s-min=33.7km az=150.0,Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Lists stations like Urz, Hnr, Wra, Asar, Pdar, Brtr, etc.

IDC 21 20:47:47.1,51.0,19.69S:176.73W,mb3.9/3,mb1 4.0/3, mb1mx3.7/16,mbtmp3.9/3, Error ellipse: s-maj=946.9km s-min=168.0km az=82.0,Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Lists stations like Atka, Skar, Wra, etc.

IDC 21 21:06:33.1,1.2,25.23N:126.41E,mb3.5/4,mb1 3.7/5, mb1mx3.4/23,mbtmp3.5/5,ML3.3/1, Error ellipse: s-maj=30.5km s-min=20.8km az=92.0

JMA 21 21:03:39.0,0.1,25.68N:126.16E,h16km,h6km,MS.1 ISC 21 21:06:38.1,0.6,25.35N:109.126E,0.09,h61km,9km, n19,c115/26,mb3.3/4,Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Lists stations like Jke, Jogs, Jmj, Nah, Jjt2, Jagn, Jagn, Jti, Jih, Jow, Jow, Jow, Jij, Jtk, Yoj, Jam, Jmz, Jmz, Jmz, Songio, Mkar, Fitz, Wra, etc.

IDC 21 21:03:59.8,2.26N:96.32E,mb3.8/3,mb1 3.7/4, mb1mx3.5/20,mbtmp3.6/4,ML3.5/1, Error ellipse: s-maj=195.3km s-min=113.5km az=147.0,Northern Sumatra

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Lists stations like Cmar, Mkar, Sonm, Zal, etc.

BUI 21 21:20:20.6,4.44N:128.09E,h37km,mb5.0,mb4.7,Ms4.1, Ms4.1

NEIC 21 21:20:22.0,4.0,4.50N:128.11E,h35km,mb4.7/15, Error ellipse: s-maj=13.4km s-min=6.7km az=76.0

IDC 21 21:20:23.2,1.9,4.47N:128.05E,h46km,17km,mb4.2/17, mb1 4.2/17,mb1mx4.1/24,mbtmp4.4/17, Error ellipse: s-maj=28.3km s-min=10.8km az=81.0

MAN 21 21:21:19.8,4.8,14N:124.94E,h54km,mb4.5,ML3.4,MS3.3 ISC 21 21:23:11.0,4.44N:104.128E,0.07,h57km,9km, h30km,3.3km,pp-P,n73,c1502/80,mb4.7/43,MS3.8/5, 2C-1D, North of Halmahera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Lists stations like Kcp, Kcp, Bukp, Bukp, Bup, Bup, Scph, Ipil, Kkm, Kka, Ksm, Jow, Fitz, Fitz, Qiz, Qiz, Wra, Wra, Wra, etc.

Table with columns for station name, time, and other parameters. Includes stations like Warramunga Arr, Marble Bar, Sheshan, etc.

Table with columns for station name, time, and other parameters. Includes stations like AML, EKSZ, CHKZ, ARU, IMA, etc.

Table with columns for station name, time, and other parameters. Includes stations like SSE, SSS, SSS, etc.

Table with columns for station name, frequency, power, and signal strength. Includes stations like Kedondong, Kuching, Fitzroy Crossi, Rata, Beijing, Kelakatan, Scrawed, Kuldur, Alice Springs, Guiyang, Xian, HHC, Nouc, DZM, KMI, and others.

Table with columns for station name, frequency, power, and signal strength. Includes stations like Kunming, Chengdu, Marble Bar, Kluang, Nan, Pulasari, Lanzhou, Nakhon Sawan, Pendagan, Nongplab, Chiang Mai, Chiang Mai Arr, CM31, CMAR, STKA, FX1, SMY, Chul'man, Ulanbaatar, Ulanbaatar, Sonm, Gaotai, and others.

Table with columns for station name, frequency, power, and signal strength. Includes stations like GTA, ADE, CNB, KIWB, Seymchan, Yakutsk, Bodabo, Too, IRK, TLY, SHL, MOY, LSA, MUN, NWAO, NIKO, RAO, UNV, TAU, BILL, DMN, WMO, and others.



Table with columns: Station, Frequency, Power, Direction, and other details. Includes stations like WMQ, GKM, KOLN, etc.

Table with columns: Station, Frequency, Power, Direction, and other details. Includes stations like CHKZ, BVAR, PPT, etc.

Table with columns: Station, Frequency, Power, Direction, and other details. Includes stations like LHEM, MXC, PINOR, etc.

21d 21h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like TPB, TPH, TPF, etc.

2005 APR

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like LKWK, MOOW, REDW, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KIS, BRTR, NB2, etc.



NEIC 21 23:11:12.5, 34.98N-25.76E, h2km, MD3.5(ATH), After ATH.  
 CSEM 21 23:11:12.5, 34.98N-25.76E, h2km, MD3.5, After ATH  
 ATH 21 23:11:12.3, 34.99N-25.75E, h6km, 3km, MD3.6, 5, 1D, Crete

Code	Station Name	Δ° AZ'	Phase ID	Time	Res
YRY	Khriasi	0.12 202	Op	ISC	h m s ISC
XRY	Khriasi	0.12 202	Op	Pg	23 11 15.0 0.0
KARP	Karpathos	1.28 64	ePB	Pb	23 11 36.5 +0.1
VAM	Vamos	1.34 289	ePB	Pb	23 11 37.5 +0.1
GVD	Gavdhos	1.38 264	ePn	Pn	23 11 38.6 +0.5
SANT	Santorini	1.40 350	ePn	Pn	23 11 36.9 -1.5
APF	Apeiranthos	2.09 355	ePn	Pn	23 11 50.0 +1.9
APF	Apeiranthos	2.08 355	ePn	Pn	23 11 51.5 -2.4
VLI	Velia	2.86 308	ePN	Pg	23 12 01.5 +2.1

IDC 21 23:12:28.5, 1.4, 27.20S; 69.09W, h104km, 13km, mb3.5/4, mb1 3.6/8, mb1mx3.5/19, mbtmp3.8/8, Error ellipse: s-maj=34.7km s-min=9.6km az=86.0  
 GUC 21 23:12:28.1, 0.8, 27.23S; 69.19W, h102km, 17km, ML4.6  
 NEIC 21 23:12:28.1, 27.23S; 69.19W, h102km, mb4.4, After GUC.

ISC 21 23:12:27.5, 0.4, 27.22S; 0.03-69.20W, 0.8, h118km, gkm, n25, c086/32, mb3.8/5, 1C-2D, Northern Chile

Code	Station Name	Δ° AZ'	Phase ID	Time	Res
CPCH	Copipao	1.04 262	Op	ISC	h m s ISC
CPCH	Copipao	1.04 262	Op	Pg	23 12 50.4 +0.4
VACH	Vallenar	1.93 225	iP	P	23 13 00.5 +0.1
VACH	Vallenar	1.93 225	iP	S	23 13 24.9 -0.3
VACH	Vallenar	1.93 225	iP	AMP	23 13 26.4
LCO	Las Campanas	2.22 216	ijP	P	23 13 04.7 +0.4
LCO	Las Campanas	2.22 216	ijP	S	23 13 32.3 +0.3
LCO	Las Campanas	2.22 216	ijP	AMP	23 13 33.5
CPN1	Cerro Paranal	2.80 337	iP	P	23 13 13.0 +1.0
CPN1	Cerro Paranal	2.80 337	iP	S	23 13 46.4 +0.8
CPN1	Cerro Paranal	2.80 337	iP	AMP	23 13 49.8
TLL	Tololo Astrono	3.26 205	iP	P	23 13 18.3 +0.2
TLL	Tololo Astrono	3.26 205	iP	S	23 13 56.4 -0.1
TLL	Tololo Astrono	3.26 205	iP	AMP	23 14 36.1
ANCH	Antofagasta	3.69 342	ijP	P	23 13 23.4 -0.5
ANCH	Antofagasta	3.69 342	ijP	S	23 14 06.3 -0.6
CFAA	Coronel Fontan	4.45 169	P	P	23 13 35.8 +1.6
CFAA	Coronel Fontan	4.45 169	P	S	23 14 24.4 -0.9
CFAA	Coronel Fontan	4.45 169	P	AMP	23 14 24.4 -0.9
LVC	Limon Verde	4.59 3	P	P	23 13 37.2 +1.1
LVC	Limon Verde	4.59 3	P	S	23 14 27.9 -0.9
LVC	Limon Verde	4.59 3	P	AMP	23 13 37.2 +1.0
LVC	Limon Verde	4.59 3	P	AMP	23 13 38.9 0.0
CPUP	Villa Florida	10.64 88	eP	P	23 14 57.6 -0.1
LPAZ	La Paz	10.93 5	P	P	23 15 01.9 +0.5
LPAZ	La Paz	10.93 5	P	S	23 15 01.7 +0.2
TRQA	Torqu coast	12.39 152	eP	P	23 15 20.4 -0.4
SIV	San Ignacio	13.48 36	P	P	23 15 33.5 -1.5
BDFB	Brasilia	22.80 64	P	P	23 17 21.4 +0.6
JTS	JuntasAbangare	40.30 336	P	P	23 20 06.5 +1.2
SNA	Sanae	57.00 160	P	P	23 22 02.4 -0.3
TXAR	Lajitas Arr	65.21 327	P	P	23 22 58.5 -0.2
WWT	Waverly	65.41 343	eP	P	23 22 57.6 -2.2
YKA	Yellowknife Ar	96.47 341	P	P	23 25 45.4 +1.5
YKA	Yellowknife Ar	96.47 341	P	S	23 25 45.4 +1.5
ASAR	Alice Springs	124.71 206	PKP	PKPdf	23 31 16.1 +2.3
ZAL	Zalesovo	147.16 29	PKPbc	PKPdf	23 31 58.1 +4.2
MKAR	Makananchi Arr	150.25 41	PKPbc	PKPdf	23 32 07.9 +8.9

MOS 21 23:19:50.4, 0.8, 2.29N-95.02E, h33km, mb4.7/9, Error ellipse: s-maj=18.8km s-min=10.4km az=111.0  
 BJI 21 23:19:51.4, 1.97N-94.52E, h45km, mb4.8, mb4.8, MS4.4, MS4.2  
 IDC 21 23:19:50.4, 0.8, 2.27N-94.97E, h28km, 3km, mb3.9/4, mb1 4.0/15, mb1mx3.9/24, mbtmp4.1/15, ML3.7/1, MS3.9/8, Ms1 3.9/8, ms1mx3.7/19, Error ellipse: s-maj=17.7km s-min=11.5km az=56.0  
 NEIC 21 23:19:50.4, 0.8, 2.23N-94.95E, h30km, mb4.7/8, Error ellipse: s-maj=9.8km s-min=7.8km az=197.0  
 ISC 21 23:19:50.4, 0.8, 2.21N-94.98E, 0.05, h30km, h30km, n9km, pp-P, n80, c099/81, mb4.5/41, MS4.0/16, 3C-1D, Off west coast of northern Sumatara

Code	Station Name	Δ° AZ'	Phase ID	Time	Res
KULM	Kulim	6.44 61	eP	Pn	23 21 23.4 -1.9
PALK	Pallekele	15.09 290	eP	P	23 23 22.4 -0.6
KSM	Kuching	15.34 92	P	P	23 23 26.6 +0.2
CM31	Chiang Mai Arr	16.61 13	eP	P	23 23 43.3 +0.7
CM31	Chiang Mai Arr	16.61 13	eP	P	23 23 51.6
CMAR	Chiang Mai Arr	16.61 13	eP	P	23 23 41.0 -1.6
CMAR	Chiang Mai Arr	16.61 13	eP	LR	23 23 19.8
CHG	Chiang Mai	16.96 13	ijP	P	23 23 46.5 -0.4
NANT	Nan	17.42 18	ijP	P	23 23 52.0 -0.7
KKM	Kota Kinabalu	21.52 79	P	P	23 24 41.0 +2.0
HYB	Hyderabad	22.11 314	eP	P	23 24 45.0 +0.2
HYB	Hyderabad	22.11 314	eP	P	23 24 50.0 +0.2
SHL	Shillong	23.41 353	eP	P	23 24 58.0 +0.4
SHL	Shillong	23.41 353	eP	S	23 29 07.0 +1.9
KMI	Kunming	23.98 18	P	P	23 25 05.6 +2.5
KMI	Kunming	23.98 18	P	AP	23 25 13.1
KMI	Kunming	23.98 18	P	PP	23 25 40.9 +3.5
KMI	Kunming	23.98 18	P	S	23 29 18.5 +3.6
KMI	Kunming	23.98 18	P	SS	23 29 31.4
KMI	Kunming	23.98 18	P	SS	23 30 19.1 +1.3
KMI	Kunming	23.98 18	P	AMP	23 25 13.1
KMI	Kunming	23.98 18	P	AMP	23 25 40.9 +3.5
KMI	Kunming	23.98 18	P	AMP	23 29 18.5 +3.6
KMI	Kunming	23.98 18	P	AMP	23 29 31.4
KMI	Kunming	23.98 18	P	AMP	23 30 19.1 +1.3
KMI	Kunming	23.98 18	P	AMP	23 25 05.6 +2.5
KMI	Kunming	23.98 18	P	AMP	23 25 13.1
KMI	Kunming	23.98 18	P	AMP	23 25 40.9 +3.5
KMI	Kunming	23.98 18	P	AMP	23 29 18.5 +3.6
KMI	Kunming	23.98 18	P	AMP	23 29 31.4
KMI	Kunming	23.98 18	P	AMP	23 30 19.1 +1.3
KMI	Kunming	23.98 18	P	AMP	23 25 05.6 +2.5
KMI	Kunming	23.98 18	P	AMP	23 25 13.1
KMI	Kunming	23.98 18	P	AMP	23 25 40.9 +3.5
KMI	Kunming	23.98 18	P	AMP	23 29 18.5 +3.6
KMI	Kunming	23.98 18	P	AMP	23 29 31.4
KMI	Kunming	23.98 18	P	AMP	23 30 19.1 +1.3
KMI	Kunming	23.98 18	P	AMP	23 25 05.6 +2.5
KMI	Kunming	23.98 18	P	AMP	23 25 13.1
KMI	Kunming	23.98 18	P	AMP	23 25 40.9 +3.5
KMI	Kunming	23.98 18	P	AMP	23 29 18.5 +3.6
KMI	Kunming	23.98 18	P	AMP	23 29 31.4
KMI	Kunming	23.98 18	P	AMP	23 30 19.1 +1.3
KMI	Kunming	23.98 18	P	AMP	23 25 05.6 +2.5
KMI	Kunming	23.98 18	P	AMP	23 25 13.1
KMI	Kunming	23.98 18	P	AMP	23 25 40.9 +3.5
KMI	Kunming	23.98 18	P	AMP	23 29 18.5 +3.6
KMI	Kunming	23.98 18	P	AMP	23 29 31.4
KMI	Kunming	23.98 18	P	AMP	23 30 19.1 +1.3
KMI	Kunming	23.98 18	P	AMP	23 25 05.6 +2.5
KMI	Kunming	23.98 18	P	AMP	23 25 13.1
KMI	Kunming	23.98 18	P	AMP	23 25 40.9 +3.5
KMI	Kunming	23.98 18	P	AMP	23 29 18.5 +3.6
KMI	Kunming	23.98 18	P	AMP	23 29 31.4
KMI	Kunming	23.98 18	P	AMP	23 30 19.1 +1.3
KMI	Kunming	23.98 18	P	AMP	23 25 05.6 +2.5
KMI	Kunming	23.98 18	P	AMP	23 25 13.1
KMI	Kunming	23.98 18	P	AMP	23 25 40.9 +3.5
KMI	Kunming	23.98 18	P	AMP	23 29 18.5 +3.6
KMI	Kunming	23.98 18	P	AMP	23 29 31.4
KMI	Kunming	23.98 18	P	AMP	23 30 19.1 +1.3
KMI	Kunming	23.98 18	P	AMP	23 25 05.6 +2.5
KMI	Kunming	23.98 18	P	AMP	23 25 13.1
KMI	Kunming	23.98 18	P	AMP	23 25 40.9 +3.5
KMI	Kunming	23.98 18	P	AMP	23 29 18.5 +3.6
KMI	Kunming	23.98 18	P	AMP	23 29 31.4
KMI	Kunming	23.98 18	P	AMP	23 30 19.1 +1.3
KMI	Kunming	23.98 18	P	AMP	23 25 05.6 +2.5
KMI	Kunming	23.98 18	P	AMP	23 25 13.1
KMI	Kunming	23.98 18	P	AMP	23 25 40.9 +3.5
KMI	Kunming	23.98 18	P	AMP	23 29 18.5 +3.6
KMI	Kunming	23.98 18	P	AMP	23 29 31.4
KMI	Kunming	23.98 18	P	AMP	23 30 19.1 +1.3
KMI	Kunming	23.98 18	P	AMP	23 25 05.6 +2.5
KMI	Kunming	23.98 18	P	AMP	23 25 13.1
KMI	Kunming	23.98 18	P	AMP	23 25 40.9 +3.5
KMI	Kunming	23.98 18	P	AMP	23 29 18.5 +3.6
KMI	Kunming	23.98 18	P	AMP	23 29 31.4
KMI	Kunming	23.98 18	P	AMP	23 30 19.1 +1.3
KMI	Kunming	23.98 18	P	AMP	23 25 05.6 +2.5
KMI	Kunming	23.98 18	P	AMP	23 25 13.1
KMI	Kunming	23.98 18	P	AMP	23 25 40.9 +3.5
KMI	Kunming	23.98 18	P	AMP	23 29 18.5 +3.6
KMI	Kunming	23.98 18	P	AMP	23 29 31.4
KMI	Kunming	23.98 18	P	AMP	23 30 19.1 +1.3
KMI	Kunming	23.98 18	P	AMP	23 25 05.6 +2.5
KMI	Kunming	23.98 18	P	AMP	23 25 13.1
KMI	Kunming	23.98 18	P	AMP	23 25 40.9 +3.5
KMI	Kunming	23.98 18	P	AMP	23 29 18.5 +3.6
KMI	Kunming	23.98 18	P	AMP	23 29 31.4
KMI	Kunming	23.98 18	P	AMP	23 30 19.1 +1.3
KMI	Kunming	23.98 18	P	AMP	23 25 05.6 +2.5
KMI	Kunming	23.98 18	P	AMP	23 25 13.1
KMI	Kunming	23.98 18	P	AMP	23 25 40.9 +3.5
KMI	Kunming	23.98 18	P	AMP	23 29 18.5 +3.6
KMI	Kunming	23.98 18	P	AMP	23 29 31.4
KMI	Kunming	23.98 18	P	AMP	23 30 19.1 +1.3
KMI	Kunming	23.98 18	P	AMP	23 25 05.6 +2.5
KMI	Kunming	23.98 18	P	AMP	23 25 13.1
KMI	Kunming	23.98 18	P	AMP	23 25 40.9 +3.5
KMI	Kunming	23.98 18	P	AMP	23 29 18.5 +3.6
KMI	Kunming	23.98 18	P	AMP	23 29 31.4
KMI	Kunming	23.98 18	P	AMP	23 30 19.1 +1.3
KMI	Kunming	23.98 18	P	AMP	23 25 05.6 +2.5
KMI	Kunming	23.98 18	P	AMP	23 25 13.1
KMI	Kunming	23.98 18	P	AMP	23 25 40.9 +3.5
KMI	Kunming	23.98 18	P	AMP	23 29 18.5 +3.6
KMI	Kunming	23.98 18	P	AMP	23 29 31.4
KMI	Kunming	23.98 18	P	AMP	23 30 19.1 +1.3
KMI	Kunming	23.98 18	P	AMP	23 25 05.6 +2.5
KMI	Kunming	23.98 18	P	AMP	23 25 13.1
KMI	Kunming	23.98 18	P	AMP	23 25 40.9 +3.5
KMI	Kunming	23.98 18	P	AMP	23 29

IDC 21 23:24:50.2, 2.2, 2.0, 25Sx177.66W, h478km, mb4.7, Error ellipse: s-maj=21.7km s-min=12.9km az=148.0

NEIC 21 23:24:50.2, 2.2, 2.0, 21Sx177.66W, h482km, 16km, mb4.4/R, Error ellipse: s-maj=17.5km s-min=11.7km az=151.0

ISC 21 23:24:47.6, 1.1, 2.0, 2S, 0.1x177.79W, 0.09, h460km, 14km, n36, c084/35, mb4.1/18, 1C-2D, Fiji Islands region

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

NEIC 21 23:27:19.8, 1.0, 0.4, 6Sx98.27E, h30km, mb4.1/1, Error ellipse: s-maj=25.4km s-min=17.1km az=56.0

IDC 22 00:01:00.0, 2.4, 20N, 121.70E, h53km, Mw3.7, Best double couple: M3.44x1014 NP1:340, 867, 1.111. NP2: 0.151, 831, 1.50.

BUI 22 00:01:04.4, 2.4, 23.61N, 122.12E, h15km, mb4.8, mb4.5, ML4.0, Ms4.1, Msz3.5

TAP 22 00:01:20.4, 2.4, 24.39N, 121.59E, h56km, 1km, ML4.2

ISC 22 00:01:20.8, 0.4, 2.4, 24N, 102.11E, h55km, 3km, n60, c1906/102, 7C-10, Taiwan

NEIC 22 00:06.2, 8.50Sx79.60W, h50km, mb4.7, Ms4.9, Msz4.8

IDC 22 00:20:06.1, 0.6, 8.46S, 79.57W, h49km, 6km, mb3.7/11, mb1.3/9.15, mb1mx3.8/24, mbtmp3.9/15, MS3.5/7, Ms1.3/5.7, ms1mx3.2/28, Error ellipse: s-maj=26.7km s-min=11.9km az=59.0

NEIC 22 00:04.6, 1.8, 8.51S, 0.07, 79.6W, 0.1, h53km, 17km, h50km, 2.6km, n49, c0993/P, mb4.0/24, MS3.4/4, Near coast of northern Peru

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

NEIC 22 00:01:00.0, 2.4, 20N, 121.70E, h53km, Mw3.7, Best double couple: M3.44x1014 NP1:340, 867, 1.111. NP2: 0.151, 831, 1.50.

BUI 22 00:01:04.4, 2.4, 23.61N, 122.12E, h15km, mb4.8, mb4.5, ML4.0, Ms4.1, Msz3.5

TAP 22 00:01:20.4, 2.4, 24.39N, 121.59E, h56km, 1km, ML4.2

ISC 22 00:01:20.8, 0.4, 2.4, 24N, 102.11E, h55km, 3km, n60, c1906/102, 7C-10, Taiwan

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

BUI 22 00:06.2, 8.50Sx79.60W, h50km, mb4.7, Ms4.9, Msz4.8

IDC 22 00:20:06.1, 0.6, 8.46S, 79.57W, h49km, 6km, mb3.7/11, mb1.3/9.15, mb1mx3.8/24, mbtmp3.9/15, MS3.5/7, Ms1.3/5.7, ms1mx3.2/28, Error ellipse: s-maj=26.7km s-min=11.9km az=59.0

NEIC 22 00:04.6, 1.8, 8.51S, 0.07, 79.6W, 0.1, h53km, 17km, h50km, 2.6km, n49, c0993/P, mb4.0/24, MS3.4/4, Near coast of northern Peru

ISC 22 00:04.6, 1.8, 8.51S, 0.07, 79.6W, 0.1, h53km, 17km, h50km, 2.6km, n49, c0993/P, mb4.0/24, MS3.4/4, Near coast of northern Peru

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

NEIC 22 00:06.2, 8.50Sx79.60W, h50km, mb4.7, Ms4.9, Msz4.8

IDC 22 00:20:06.1, 0.6, 8.46S, 79.57W, h49km, 6km, mb3.7/11, mb1.3/9.15, mb1mx3.8/24, mbtmp3.9/15, MS3.5/7, Ms1.3/5.7, ms1mx3.2/28, Error ellipse: s-maj=26.7km s-min=11.9km az=59.0

NEIC 22 00:04.6, 1.8, 8.51S, 0.07, 79.6W, 0.1, h53km, 17km, h50km, 2.6km, n49, c0993/P, mb4.0/24, MS3.4/4, Near coast of northern Peru

ISC 22 00:04.6, 1.8, 8.51S, 0.07, 79.6W, 0.1, h53km, 17km, h50km, 2.6km, n49, c0993/P, mb4.0/24, MS3.4/4, Near coast of northern Peru

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

NEIC 22 00:06.2, 8.50Sx79.60W, h50km, mb4.7, Ms4.9, Msz4.8

IDC 22 00:20:06.1, 0.6, 8.46S, 79.57W, h49km, 6km, mb3.7/11, mb1.3/9.15, mb1mx3.8/24, mbtmp3.9/15, MS3.5/7, Ms1.3/5.7, ms1mx3.2/28, Error ellipse: s-maj=26.7km s-min=11.9km az=59.0

NEIC 22 00:04.6, 1.8, 8.51S, 0.07, 79.6W, 0.1, h53km, 17km, h50km, 2.6km, n49, c0993/P, mb4.0/24, MS3.4/4, Near coast of northern Peru

ISC 22 00:04.6, 1.8, 8.51S, 0.07, 79.6W, 0.1, h53km, 17km, h50km, 2.6km, n49, c0993/P, mb4.0/24, MS3.4/4, Near coast of northern Peru

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

NEIC 22 00:06.2, 8.50Sx79.60W, h50km, mb4.7, Ms4.9, Msz4.8

IDC 22 00:20:06.1, 0.6, 8.46S, 79.57W, h49km, 6km, mb3.7/11, mb1.3/9.15, mb1mx3.8/24, mbtmp3.9/15, MS3.5/7, Ms1.3/5.7, ms1mx3.2/28, Error ellipse: s-maj=26.7km s-min=11.9km az=59.0

NEIC 22 00:04.6, 1.8, 8.51S, 0.07, 79.6W, 0.1, h53km, 17km, h50km, 2.6km, n49, c0993/P, mb4.0/24, MS3.4/4, Near coast of northern Peru

ISC 22 00:04.6, 1.8, 8.51S, 0.07, 79.6W, 0.1, h53km, 17km, h50km, 2.6km, n49, c0993/P, mb4.0/24, MS3.4/4, Near coast of northern Peru

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

Error ellipse: s-maj=17.6km s-min=12.1km az=110.0

IDC 22 01:30.1, 1.5, 5.53S, 147.25E, h198km, 15km, mb3.4/8, mb1.3/7.11, mb1mx3.6/17, mbtmp4.1/11, Error ellipse: s-maj=27.6km s-min=11.2km az=111.0

ISC 22 01:1:26.9, 1.3, 5.36S, 0.08, 147.3E, 0.1, h181km, 13km, n17, c094/22, mb3.6/8, 1D, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

BUI 22 00:06.2, 8.50Sx79.60W, h50km, mb4.7, Ms4.9, Msz4.8

IDC 22 00:20:06.1, 0.6, 8.46S, 79.57W, h49km, 6km, mb3.7/11, mb1.3/9.15, mb1mx3.8/24, mbtmp3.9/15, MS3.5/7, Ms1.3/5.7, ms1mx3.2/28, Error ellipse: s-maj=26.7km s-min=11.9km az=59.0

NEIC 22 00:04.6, 1.8, 8.51S, 0.07, 79.6W, 0.1, h53km, 17km, h50km, 2.6km, n49, c0993/P, mb4.0/24, MS3.4/4, Near coast of northern Peru

ISC 22 00:04.6, 1.8, 8.51S, 0.07, 79.6W, 0.1, h53km, 17km, h50km, 2.6km, n49, c0993/P, mb4.0/24, MS3.4/4, Near coast of northern Peru

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

NEIC 22 00:06.2, 8.50Sx79.60W, h50km, mb4.7, Ms4.9, Msz4.8

IDC 22 00:20:06.1, 0.6, 8.46S, 79.57W, h49km, 6km, mb3.7/11, mb1.3/9.15, mb1mx3.8/24, mbtmp3.9/15, MS3.5/7, Ms1.3/5.7, ms1mx3.2/28, Error ellipse: s-maj=26.7km s-min=11.9km az=59.0

NEIC 22 00:04.6, 1.8, 8.51S, 0.07, 79.6W, 0.1, h53km, 17km, h50km, 2.6km, n49, c0993/P, mb4.0/24, MS3.4/4, Near coast of northern Peru

ISC 22 00:04.6, 1.8, 8.51S, 0.07, 79.6W, 0.1, h53km, 17km, h50km, 2.6km, n49, c0993/P, mb4.0/24, MS3.4/4, Near coast of northern Peru

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

NEIC 22 00:06.2, 8.50Sx79.60W, h50km, mb4.7, Ms4.9, Msz4.8

IDC 22 00:20:06.1, 0.6, 8.46S, 79.57W, h49km, 6km, mb3.7/11, mb1.3/9.15, mb1mx3.8/24, mbtmp3.9/15, MS3.5/7, Ms1.3/5.7, ms1mx3.2/28, Error ellipse: s-maj=26.7km s-min=11.9km az=59.0

NEIC 22 00:04.6, 1.8, 8.51S, 0.07, 79.6W, 0.1, h53km, 17km, h50km, 2.6km, n49, c0993/P, mb4.0/24, MS3.4/4, Near coast of northern Peru

ISC 22 00:04.6, 1.8, 8.51S, 0.07, 79.6W, 0.1, h53km, 17km, h50km, 2.6km, n49, c0993/P, mb4.0/24, MS3.4/4, Near coast of northern Peru

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

NEIC 22 00:06.2, 8.50Sx79.60W, h50km, mb4.7, Ms4.9, Msz4.8

IDC 22 00:20:06.1, 0.6, 8.46S, 79.57W, h49km, 6km, mb3.7/11, mb1.3/9.15, mb1mx3.8/24, mbtmp3.9/15, MS3.5/7, Ms1.3/5.7, ms1mx3.2/28, Error ellipse: s-maj=26.7km s-min=11.9km az=59.0

NEIC 22 00:04.6, 1.8, 8.51S, 0.07, 79.6W, 0.1, h53km, 17km, h50km, 2.6km, n49, c0993/P, mb4.0/24, MS3.4/4, Near coast of northern Peru

ISC 22 00:04.6, 1.8, 8.51S, 0.07, 79.6W, 0.1, h53km, 17km, h50km, 2.6km, n49, c0993/P, mb4.0/24, MS3.4/4, Near coast of northern Peru

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates.

NEIC 22 00:06.2, 8.50Sx79.60W, h50km, mb4.7, Ms4.9, Msz4.8

IDC 22 00:20:06.1, 0.6, 8.46S, 79.57W, h49km, 6km, mb3.7/11, mb1.3/9.15, mb1mx3.8/24, mbtmp3.9/15, MS3.5/7, Ms1.3/5.7, ms1mx3.2/28, Error ellipse: s-maj=26.7km s-min=11.9km az=59.0

NEIC 22 00:04.6, 1.8, 8.51S, 0.07, 79.6W, 0.1, h53km, 17km, h50km, 2.6km, n49, c0993/P, mb4.0/24, MS3.4/4, Near coast of northern Peru











Table with columns for station name, frequency, power, and other technical details. Includes stations like Jaguaratama, Tsumeb, Lobatse, Brasilia Array, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Les Rejaudoux, Les Rejaudoux, Les Rejaudoux, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Ljubljana, Black Forest, Black Forest, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include AKASG Malin Array B, GINI Garmi, FINES FINES Array B, ARCES ARCES Array B, TXAR Lajitas Array, etc.

IDC 22 04:36:43.2, 5.8, 26.21S, 68.53E, mb3.7/3, mb1 3.9/3, mb1mx3.5/19, mbtmp3.7/3, Error ellipse: s-maj=200.1km s-min=42.8km az=48.0, Indian Ocean Triple Junction

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ASAR Alice Springs, WRA Warramunga Arr, MKAR Makanchi Array, YKA Yellowknife Arr, etc.

IDC 22 04:58:26.4, 0.8, 57.79S, 25.50W, mb4.0/7, mb1 4.1/8, mb1mx4.0/16, mbtmp4.0/8, ML3.9/1, MS3.5/1, Ms1 3.5/1, ms1mx3.0/16, Error ellipse: s-maj=33.9km s-min=20.5km az=57.0

NEIC 22 04:58:26.4, 0.8, 57.79S, 25.54W, h15km, 28km, mb4.2/5, Error ellipse: s-maj=18.2km s-min=8.3km az=57.0

ISC 22 04:58:26.5, 0.7, 57.8S, 0.1x25.7W, 0.3, h10km, n24, r080/16, mb4.0/10, MS3.5/1, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include VNA1 Neumayer-Stat, VNA2 Neumayer Olymp, VNA3 Neumayer-Watz, SNA4 Sanae, GSPA South Pole Qui, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include PLCA Paso Flores, CPUP Villa Florida, CPUP Scott Base, VNSA Vanda, VNSB Vanda, BDBF Brasilia, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include SIV San Ignacio, LPZA La Paz, LPZA La Paz, SAML Samuel, DBIC Dibokoro, NVAR Mima Array Bea, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include FINES FINES Array B, YKA Yellowknife Arr, YKA Yellowknife Arr, INK Inuvik, DAWY Dawson, SONM Songoing Array, ILAR Eielson Array, etc.

SKHL 22 05:06:08.4, 0.4, 53.03N, 142.89E, h10km, 1km, mb4.0/2, Sakhalin Island

IDC 22 05:14:56.7, 3.2, 1.17N, 97.07E, mb3.5/4, mb1 3.7/5, mb1mx3.6/19, mbtmp3.6/5, Error ellipse: s-maj=116.7km s-min=23.2km az=62.0, Northern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include CMAR Chiang Mai Arr, WRA Warramunga Arr, ASAR Alice Springs, SONM Songoing Array, MKAR Makanchi Array, etc.

PRU 22 05:36:11.5, 50.29N, 18.70E

WAR 22 05:36:11.1, 50.24N, 18.88E, h0km, ML2.5, Mining induced, Poland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include RAC Raciborz, RAC Raciborz, OJC Ojcow, OKC Ostrava-Krasne, NIE Niedzica, DPC Dobruska-Polom, etc.

IDC 22 05:44:45.7, 3.8, 3.92N, 32.48W, mb3.8/7, mb1 4.1/7, mb1mx3.8/23, mbtmp3.8/7, MS3.5/2, Ms1 3.4/2, ms1mx3.0/29, Error ellipse: s-maj=135.3km s-min=22.2km az=82.0

NEIC 22 05:44:45.7, 3.8, 3.78N, 32.28W, h10km, mb3.8/2, Error ellipse: s-maj=56.2km s-min=13.6km az=98.0

ISC 22 05:44:45.1, 2.3, 3.9N, 0.2x32.4W, 0.5, h10km, n12, r080/12, mb3.8/9, MS3.4/2, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include RCBR Rachiuelo, BDBF Brasilia, SAML Samuel, CPUP Villa Florida, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include CPUP Paso Flores, LPZA La Paz, PLCA Paso Flores, SCHO Schefferville, TXAR Lajitas Array, etc.

IDC 22 06:19:23.3, 2.1, 2.71N, 96.06E, mb3.7/5, mb1 4.0/6, mb1mx3.7/20, mbtmp3.8/6, ML4.3/1, Error ellipse: s-maj=90.9km s-min=21.6km az=58.0

NEIC 22 06:19:27.8, 0.2, 7.1N, 96.09E, h30km, mb4.2/1, Error ellipse: s-maj=21.1km s-min=11.8km az=65.0

ISC 22 06:19:26.1, 2.2, 2.7N, 0.1x96.1E, 0.2, h30km, n8, r080/8, mb3.9/6, Northern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KULM Kulim, CMAR Chiang Mai Arr, WRA Warramunga Arr, WRAB Tennant Creek, ASAR Alice Springs, MKAR Makanchi Array, etc.

BUI 22 06:27:22.9, 2.0, 52S, 178.09W, h514km, mb4.5, mb4.0

NEIC 22 06:27:26.2, 0.9, 2.1, 36S, 178.53W, h532km, 10km, mb4.4/10, Error ellipse: s-maj=15.4km s-min=9.3km az=153.0

IDC 22 06:27:30.6, 2.6, 2.1, 52S, 178.80W, h569km, 27km, mb3.8/5, mb1 3.9/7, mb1mx3.3/19, mbtmp4.8/7, Error ellipse: s-maj=29.1km s-min=2.3km az=168.0

ISC 22 06:27:26.0, 1.4, 21.3S, 0.1x178.5W, 0.1, h549km, 24km, n27, r051/22, mb4.5/11, 3D, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include AFI Afiamalu, DZM Mont Dzumac, URZ Urewera, CTA Charters Tower, CTA Charters Tower, CTA Charters Tower, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, ASAR Alice Springs, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include WRA Warramunga Arr, KAKA Kakadu, FORT Forrest, FITZ Fitzroy Crossi, MBWA Marble Bar, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include GNSP South Pole Qui, MKAR Makanchi Array, ARCES ARCES Array B, FINES FINES Array B, AKASG Malin Array B, etc.

IDC 22 06:31:54.5, 2.1, 13.21N, 87.57W, mb3.6/3, mb1 3.8/5, mb1mx3.8/22, mbtmp3.6/5, ML2.7/2, Error ellipse: s-maj=133.0km s-min=16.2km az=50.0

CASC 22 06:32:00.1, 1.8, 12.59N, 88.26W, h36km, 99km, MD3.8, ML3.6

SSS 22 06:32:00.2, 12.65N, 88.25W, h50km, MD3.7

INET 22 06:32:00.5, 12.71N, 88.18W, h14km, MD3.5, ML3.7

ISC 22 06:31:59.4, 0.6, 12.61N, 0.09x88.23W, 0.06, h73km, 8km, n33, r082/45, mb3.6/3, 9C-1D, Off coast of central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include CNCH Conchagua, CNCH Conchagua, VSM San Miguel, CAHU Caecutiutia, CRNI San Cristobal, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MGAN Ticuantepe, TICN Ticuantepe, WLLN Americas 2, RBDL Rodela, APON Apoyo, etc.

IDC 22 06:42:30.6, 1.2, 12.47N, 86.22W, mb3.2/3, mb1 3.6/4, mb1mx3.5/20, mbtmp3.8/22, ML3.0/1, Error ellipse: s-maj=125.7km s-min=14.1km az=60.0, Nicaragua

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include JTS JuntasAbangare, JTS JuntasAbangare, JTS JuntasAbangare, TXAR Lajitas Array, PDAR Pinedale Array, etc.

IDC 22 06:47:25.0, 2.1, 13.15N, 92.33E, mb4.0/4, mb1 4.1/5, mb1mx3.7/22, mbtmp3.9/5, ML3.7/1, MS2.6/1, Ms1 2.8/1, s-min=26.9km az=68.0, Andaman Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, MKAR Makanchi Array, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, etc.

IDC 22 06:50:39.6, 3.2, 2.91N, 96.43E, mb3.6/3, mb1 3.8/3, mb1mx3.5/19, mbtmp3.6/3, Error ellipse: s-maj=318.8km s-min=28.1km az=56.0, Northern Sumatara

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

IDC 22 07:25:57.2, 2.3, 6.01S, 130.01E, mb3.5/1, mb1 4.1/4, mb1mx3.8/16, mbtmp3.9/4, ML4.1/3, Error ellipse: s-maj=92.3km s-min=29.2km az=76.0

NEIC 22 07:25:58.2, 1.5, 5.93S, 130.39E, h10km, Error ellipse: s-maj=41.2km s-min=16.1km az=71.0

ISC 22 07:25:13.6, 2.1, 6.79S, 0.1x130.9E, 0.1, h180km, 23km, n0, r150/15, mb3.2/1, 1D, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KAKA Kakadu, KAKA Kakadu, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

ASPA Alice Springs, MKAR Makanchi Array, Error ellipse: s-maj=17.22 km s-min=17.22 km az=167.0

ISC 22 07:27:12.5, 0.8, 54.82N, 162.31E, h18km, 2km, ML3.8, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MKZ Mys Kozlova, MKZ Mys Kozlova, TUMR Tumrok, TUMR Tumrok, KBTB Kretoberegovo, etc.











Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SONM Songoing Array, MKAR Makanchi Arr, CN2 Changchun, MJAR Matsushiro Arr, ZAL Zalesko Arr, STKA Stephens Creek, KMBO Kilima Mbogo, BRB Keskin Array B, FINES FINESS Array B, ARCES ARCESS Array B, GERES GERESS Array B, NOA NORARS Arr B, DAVOX Davos, TXAR Lajitas Array, CPUP Villa Florida, CFAA Coronel Fonn, etc.

CSEM 22 08:27:22.3-0.1, 13.41N:50.85E, h10km, mb3.1, Error ellipse: s-maj=24.2km s-min=9.3km az=150.0

ICD 22 08:27:24.1-1.6, 13.167N:50.85E, mb3.9/4, mb1 4/14, mb1mx3.7/19, mbtmp3.9/4, MS3.5/1, Ms1 3.5/1, ms1mx2.9/26, Error ellipse: s-maj=49.4km s-min=47.0km az=69.0

OMAN 22 08:27:25.2, 13.42N:50.70E, h30km, Error ellipse: s-maj=91.5km s-min=13.3km az=314.0

ISC 22 08:27:22.3-3.4, 13.44N:10.10, 50.8E-0.1, h42km, 23km, n14, o#62/17, mb3.9/4, MS3.4/1, 3C-6D, Eastern Gulf of Aden

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ABTO Aybut, BDHA Al Bayda, RBK Rabkout, WHFO Wadi Hawf, LBOS Gani, MKAR Makanchi Arr, CMAR Chiang Mai Arr, WRA Warramunga Arr, ASAR Alice Springs, NVAR Mina Array Bea, TXAR Lajitas Array, etc.

THE 22 08:29:15.8, 38.62N:24.02E, h10km, ML3.2

ATH 22 08:29:17.3, 38.65N:23.78E, h25km, 2km, MD3.2/1, ML3.4

NEIC 22 08:29:17.2, 38.66N:23.80E, h22km, ML3.6 (ATH), After ATH

CSEM 22 08:29:17.1-0.1, 38.66N:23.86E, h8km, ML3.6, Error ellipse: s-maj=4.7km s-min=2.0km az=92.0

ISC 22 08:29:16.5-0.7, 38.62N:0.03, 23.81E-0.08, h17km, 9km, n19, o#101/25, Greece

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MPAR Parnis Oros, AOS Alonnissos, PTL Penteli, MKR Lokris, ATH Athens Observa, NSAL Nisos Salamina, MGER Gerania Oros, NIO Neokhori, NAIG Nisos Agios, AGG Agios Georgios, EVR Evrytania, LRS Limnos, LIA Liosia Island, OUR Ouranopolis, PLG Polygyros, VLI Veliai, ITM Ithomi, SRS Serrai, etc.

ICD 22 08:38:48.4-6.1, 21.78S:178.10W, h391km, 47km, mb3.6/14, mb1 3.8/15, mb1mx3.7/21, mbtmp4.1/5, Error ellipse: s-maj=25.2km s-min=17.7km az=153.0

NEIC 22 08:38:49.8-2.9, 21.81S:178.17W, h408km, 30km, mb4.3/8, Error ellipse: s-maj=16.9km s-min=11.5km az=181.0

ISC 22 08:38:41.8-5.0, 21.84S:178.2W-0.1, h330km, 50km, n34, o#83/20, mb4.0/17, 1C-2D, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like URZ Urewera, CTA Charters Tower, PMG Port Moresby, STKA Stephens Creek, ASAR Alice Springs, ASPA Alice Springs, WB2 Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRAB Tennant Creek, WRA Warramunga Arr, KAKA Kakadu, FORT Forrest, FITZ Fitzroy Crossi, KLBK Kellereberrin, MBWA Marble Bar, NWAO Noroing (SRO), NWAO Noroing (SRO), QSPA South Pole Qui, MJAR Matsushiro Arr, YBH Yreka Blue Hor, NVAR Mina Array Bea, TXAR Lajitas Array, ILAR Eielson Array, PDAR Pinedale Array, CMAR Chiang Mai Arr, ARCES ARCESS Array B, FINES FINESS Array B, AKASA Malin Array Be, AKASA Malin Array Be, BRTR Keskin Array B, CLL Collin, GERES GERESS Array B, etc.

ICD 22 08:53:32.5-2.2, 2.57N:95.46E, mb4.1/6, mb1 4/27, mb1mx3.9/22, mbtmp4.1/7, ML3.7/1, MS3.5/2, Ms1 3.6/2, ms1mx3.0/29, Error ellipse: s-maj=90.1km s-min=19.8km az=59.0

NEIC 22 08:53:37.0-0.7, 2.60N:95.56E, h30km, mb4.7/1, Error ellipse: s-maj=16.3km s-min=10.5km az=203.0

ISC 22 08:53:36.7-2.5, 2.7N:101.1, 95.6E-0.1, h42km, 23km, n13, o#70/2, mb4.1/7, MS4.1/11, off west coast of northern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, PALK Pallekele, CMAR Chiang Mai Arr, KKM Kota Kinabalu, WRA Warramunga Arr, MKAR Makanchi Arr, MKAR Makanchi Arr, ASAR Alice Springs, SONM Songoing Array, SONM Songoing Array, ZAL Zalesko Arr, BVAR Borovoye Array, CHKZ Chkalovo, CHKZ Chkalovo, BHORG Borgarnes, etc.

WEL 22 08:53:46.8-0.1, 38.99S:174.66E, h27km, 1km, ML3.6/17, 10C-4D, Error ellipse: s-maj=0.7km s-min=0.6km az=0.0, North Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VRZ Vera Road, RAEZ Rainy Point, HIZ Hauri, NEZ North Egmont, PKE Pukeitei, PKE Pokaka, TWVZ Taureua, WRZ Ngauri Road, NZW Newalki Road, MGZ Mica Springs, CNZ Chaterons, WPVZ Whakapapa, WPVZ West Tongariro, WTVZ Far West T-bar, FWVZ Mangateitei, MTVZ Mt Ngauruhoe, TRVZ Turoa, TRVZ Dome Shelter, DRZ Wanganui, WAZ Wanganui, OTVZ Oturere, OTVZ Oturere, WNVZ Wahianoa, KATZ Kakaramea, TUZ Tutuaki, TUZ Rangitukia, RATZ Wairara, RITZ Riha Road, ROVZ Moawhango, MOVZ Whakaora, HATZ Hinemaiaia, TOZ Tahiroa Road, TOZ Black Stump Fm, BKZ Takapari Road, TSZ Takapari Road, MRZ Mangatoinaka R, MRZ Kapiti Island, DUWZ D'Urville Isla, DUWZ Moumakai, URZ Urewera, WTAZ Waitatara, BFZ Birch Farm, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CAW Cannon Point, MWY Makara Radio, TRW Toky Channel, MTW Mount Morrison, SNZO South Korori, NZW Yellowknife, KUZ Kuatounu, TUWZ Tuamarina, BSWZ Blackbirch Sta, etc.

NIED 22 08:54:00.33, 20N:137.00E, h8km, Mw4.1 Best double couple: Mb 1.66x10^15 NP1=90°60', δ69°, 1.62°. NP2=297°, δ34°, 1.42°

ICD 22 08:54:14.7-0.6, 33.11N:137.00E, mb4.0/18, mb1 4.2/23, mb1mx4.1/28, mbtmp4.1/23, ML3.9/5, MS3.2/4, Ms1 3.3/4, ms1mx3.1/29, Error ellipse: s-maj=16.2km s-min=15.5km az=118.0

BUI 22 08:54:16.2, 32.73N:137.07E, h32km, mb4.6, mb4.4 JMA 22 08:54:16.7-0.1, 33.10N:136.96E, h36km, 4km, M4.4 JMA Felt J1

NEIC 22 08:54:17.4-2.7, 2.7. 13N:136.96E, h16km, 16km, mb4.6/4, MW4.1 (NIED), Error ellipse: s-maj=10.2km s-min=6.2km az=126.0

ISC 22 08:54:16.3-0.8, 33.15N:0.03, 136.97E-0.03, h21km, 5km, n10, o#101/69, mb3.9/23, MS3.6/1, 3C-8D, Near south coast of Western Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TK01 Tokai 1, TK02 Tokai 2, HWZ Kozaga, JWZ Miekihoku, JKN2 JKN2, JKE Ise, TK04 Tokai 4, TK04 Tokai 4, JWM Minabe, JWM Minabe, JWY Kouya, JWY Kouya, TSUJ Tsu 2, TSUJ Tsu 2, JHE Heguri, JHE Heguri, JHE Tsuna, JJA2 JJA2, SHZ3 Shizuoka 3, SHZ3 Shizuoka 3, JAI Aioi, JAI Aioi, JAI Hachiojima 2, JHJ Hachiojima 2, JHJ Hachiojima 2, JHJ Mitsune, JHJ Mitsune, MJAR Matsushiro Arr, MJAR Matsushiro Arr, MAJO Matsushiro, MAJO Matsushiro, MAT Matsushiro, MAT Matsushiro, CBJ Chichi jima, CBJ Chichi jima, CBJ Ashikawa, CBJ Ashikawa, JOW Kunigami, JOW Kunigami, ASAJ Asahikawa, ASAJ Asahikawa, ASAJ Huhuo-hao-te, ASAJ Huhuo-hao-te, HHC HHC, HHC HHC, HHC Xitan, HHC Xitan, ULN Ulanbaatar, ULN Ulanbaatar, SONM Songoing Array, SONM Songoing Array, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, WMO Wuluo, WMO Wuluo, ZAL Zalesko, ZAL Zalesko, MKAR Makanchi Arr, MKAR Makanchi Arr, AAK Ala-Archa, AAK Ala-Archa, WRA Warramunga Arr, WRA Warramunga Arr, ILAR Eielson Array, ILAR Eielson Array, ASAR Alice Springs, ASAR Alice Springs, INK Inuvik, INK Inuvik, ARCES ARCESS Array B, ARCES ARCESS Array B, AKASA Malin Array Be, AKASA Malin Array Be, NOA NORARS Subarra, NOA NORARS Subarra, NB2 NORARS Arr B, NB2 NORARS Arr B, BRTR Keskin Array B, BRTR Keskin Array B, NVAR Mina Array Bea, NVAR Mina Array Bea, NVAR Mina Array Bea, PDAR Pinedale Array, PDAR Pinedale Array, MOX Moxa, MOX Moxa, KHC Karsenske Hory, KHC Karsenske Hory, GERES GERESS Array B, GERES GERESS Array B, GRA1 Grafenberg Arr, GRA1 Grafenberg Arr, TXAR Lajitas Array, TXAR Lajitas Array, etc.

ICD 22 09:39:49.6-7, 18.89S:169.31E, mb4.2/5, mb1 4.4/5, mb1mx4.0/15, mbtmp4.2/5, MS2.9/1, Ms1 2.9/1, ms1mx2.7/20, 1C, Error ellipse: s-maj=147.2km s-min=41.6km az=36.0, Vanuatu Islands

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





Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like VYHS Dobruska-Polom, KECS Kecovo, CRVS Cervencia-Dubn, etc.

IDC 22 11:04:18.5,4.6,2.29N-95.28E,mb3.6/4,mb1 3/8/5, mb1mx3.6/21,mbmp3.6/5,ML4.3/1, Error ellipse: s-maj=155.1km s-min=26.1km az=70.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, CMAR Chiang Mai Arr, WRA Warramunga Arr, etc.

DJA 22 11:10:54.8,-1.0,9.10S-114.94E,h98km,10km,MD4.5/3, ML3.6/2,1C-6D, Error ellipse: s-maj=45.8km s-min=8.2km az=6.0, South of Bali

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like RATI Rata, KELI Kelakatan, SRDI Scrawed, etc.

ORF 22 11:24:56.0,17.79S-179.43E,h30km,mb5.7 MOS 22 11:25:41.6,27.20S-172.07W,h513km,mb4.8/12, Error ellipse: s-maj=15.1km s-min=13.9km az=138.1

NEIC 22 11:25:46.0,1.21,06S-178.77W,mb4.7/53, Error ellipse: s-maj=5.2km s-min=2.8km az=128.0

IDC 22 11:25:47.2,0.2,20.96S-178.84W,h591km,7km,mb4.0/17, mb1 4/2/18,mb1mx4.2/19,mbmp4.9/18, Error ellipse: s-maj=14.3km s-min=8.8km az=150.0

BUI 22 11:25:55.4,20.13S-179.43W,h649km,mb5.0,mb4.8

ISL 22 11:25:46.3,0.8,21.12S-106.178W,0.04, h600km,1km,h588km,2.0km,pP-P,N345,+r101/249, mb4.7/81,34C-25B, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like RAO Raoul Island, AFI Afiamalu, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TIAR Tiarei, ARMA Armidale, PMAH Pomarioro Ree, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like LTIM Timbered Crate, HUMO Hull Mountain, LASM Las Vegas, etc.

22d 13h

Table with columns: PDAR, Pinedale Array, 89.91 44 P, 11 37 43.5 -0.2, etc. Lists various stations and their coordinates and times.

2005 APR

Table with columns: MOX, NKV, Novy Kostel, 149.62 346 I, PKHP, etc. Lists various stations and their coordinates and times.

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Table with columns: DBIC, Dimbokro, 68.72 74 P, 12 43 59.4 -0.5, etc. Lists various stations and their coordinates and times.

CSEMI 22:12:34.20.0.9, 45.48N-26.34E, h126km, 8km, MD3.7/6, Error ellipse: s-maj=8.3km s-min=5.2km az=27.0, After BUC

NEIC 22:12:34.21.2, 45.41N-26.34E, h115km, MG3.7(BUC), After BUC

ISC 22:12:34.20.1, 0.9, 45.44N, 0.05, 26.40E, 0.05, h127km, 6km, Error ellipse: s-maj=8.91/47, 9C-70, Romania

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists station data for various events.

ISC 22:11:30:13.2, 2.9, 64.61N-31.55E, mb1 2.9/4, mb1mx2.8/23, mbmp2.9/4, ML2.4/4, Error ellipse: s-maj=41.4km s-min=9.9km az=106.0

HEL 22:11:30:13.4, 0.3, 64.70N-30.97E, ML1.7, Explosion

ISC 22:11:30:11.8, 1.1, 64.68N-0.05, 30.9E, 0.2, n10, 0.13/11/5, Finland-Karelia border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists station data for Finland-Karelia border region.

ISC 22:11:31:29.3, 8.22N-123.35E, h32km, mb4.4, ML3.2, MS3.0, 1C, Mindanao

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists station data for Mindanao event.

ISC 22:12:38:38.7, 2.2, 4.27N-123.55E, mb3.6/3, mb1 3.7/3, s-maj=298.3km s-min=24.9km az=63.0, Celebes Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists station data for Celebes Sea event.

ISC 22:12:39:38.4, 1.2, 2.01N-122.97E, mb3.9/5, mb1 4.1/5, mb1mx3.8/20, mbmp3.9/5, Error ellipse: s-maj=141.9km s-min=18.8km az=66.0, Celebes Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists station data for Celebes Sea event.

DJA 22:15:31.5, 0.9, 9.59S-115.17E, h16km, 26km, ML4.3/4, 4C-4D, Error ellipse: s-maj=56.1km s-min=8.0km az=178.0, South of Bali

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists station data for South of Bali event.

MAN 22:13:04:41.3, 14.16N-122.48E, h1km, mb4.1, ML2.9, MS2.6, 1C, Luzon

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists station data for Luzon event.



JMA 22 15:23:29.0, 36.66N, 138.30E, h4km, 2km, M4.1
Broadband fault plane solution: P waves. N1P1=326°,
δ37°, λ60°. NP2=182°, δ58°, λ111°. Principal axes: T
P169°, Azm137°; N P118°, Azm351°; P P111°, Azm257°;
JMA Felt IV J1.
IDC 22 15:23:35.0, 4.1, 36.62N, 138.04E, h62km, 38km, mb3.7/9,
mb1.4/0.10, mb1mx3.7/23, mbtmp4.0/10, ML4.1/1, MS3.0/3,
Ms1.1/3, ms1mx2.7/36 Error ellipse: s-maj=25.1km
s-min=17.5km az=96.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists various seismic stations and their associated data.

IDC 22 15:40:48.0, 2.0, 35.31N, 15.20E, mb4.0/3, mb1.4/0.11,
mb1mx3.8/30, mbtmp3.9/11, ML4.1/8, MS3.4/2, Ms1.3/4.2,
ms1mx2.6/29, Error ellipse: s-maj=34.4km s-min=16.3km
az=37.0
ROM 22 15:40:49.0, 6.35, 47N, 15.17E, h7km, Md3.2/3, M4.0/7,
Error ellipse: s-maj=8.2km s-min=3.9km az=1.0
CSEM 22 15:40:49.1, 0.3, 35.07N, 15.40E, h40km, ML4.9/3, Error
ellipse: s-maj=7.5km s-min=3.1km az=16.0
NEIC 22 15:40:53.4, 1.2, 35.43N, 15.21E, h37km, 10km, Error
ellipse: s-maj=19.0km s-min=6.8km az=201.0
ISC 22 15:40:50.1, 0.35, 25N, 0.07, 15.29E, 0.05, h45km, 12km,
n60, c118/68, mb3.9/3, MS3.4/2, Central Mediterranean Sea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists various seismic stations and their associated data.

Table with columns: AOS, PAIG, SKO, SOH, OUR, ALN, MLR, GELR, MLRS, BRTR, ESDC, EIL, EIL, EIL, AKASG, AKASG, GNI, FINES, MKAR, ZAL, ZAL, BDFB, WRA. Lists seismic stations and their associated data.

IDC 22 15:59:53.8, 3.5, 1.31S, 100.61E, mb3.7/3, mb1.3/7.4,
mb1mx3.5/18, mbtmp3.6/4, ML3.8/1, Error ellipse:
s-maj=175.6km s-min=24.7km az=58.0, Southern
Sumatera

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists various seismic stations and their associated data.

IDC 22 16:03:50.5, 2.1, 6.98S, 128.75E, mb3.6/1, mb1.4/1.4,
mb1mx3.7/16, mbtmp3.9/4, ML4.0/3, Error ellipse:
s-maj=85.6km s-min=28.1km az=75.0, Banda Sea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists various seismic stations and their associated data.

NEIC 22 16:26:20.0, 8.51, 53N, 16.20E, h5km, ML3.1 (VIE),
ML2.9 (SZGRF), ML2.9 (FUR), ML2.6 (BRG), ML2.4 (CLL),
Error ellipse: s-maj=10.6km s-min=5.7km az=211.0
WAR 22 16:26:27.8, 5.1, 45N, 16.17E, h1km, ML2.8, Mining
Induced

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists various seismic stations and their associated data.

Table with columns: ARSA, ARSA, KBA, KBA. Lists seismic stations and their associated data.

IDC 22 16:43:59.0, 9.0, 67.17N, 21.58E, mb1.2/9/3,
mb1mx2.8/22, mbtmp2.9/3, ML2.4/3, Error ellipse:
s-maj=19.8km s-min=7.2km az=113.0
HEL 22 16:44:00.2, 0.17, 67.09N, 20.96E, ML2.3, ML2.3 (UPP),
Explosion

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists various seismic stations and their associated data.

IDC 22 16:43:59.1, 0.4, 67.06N, 20.96E, 0.07, n26, c1903/29,
Sweden

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists various seismic stations and their associated data.

DJA 22 16:43:57.6, 0.5, 10.14S, 130.26E, h2km, mb5.0/5, Error
ellipse: s-maj=23.2km s-min=5.5km az=168.0
NEIC 22 16:44:11.0, 1.5, 7.32S, 129.21E, h59km, 16km, mb4.3/7,
Error ellipse: s-maj=15.8km s-min=8.1km az=45.0
IDC 22 16:44:15.0, 4.0, 4.0, 3.7S, 129.18E, h104km, 40km, mb3.9/8,
ML4.2/11, mb1mx4.0/18, mbtmp4.5/11, MS4.0/2,
Ms1.4/0.2, ms1mx3.0/20, Error ellipse: s-maj=31.4km
s-min=15.2km az=54.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists various seismic stations and their associated data.

ISC 22 16:44:14.5, 1.0, 7.31S, 0.05, 129.50E, 0.06, h127km, 11km,
n41, c119/48, mb4.6/13, 4C-3D, Banda Sea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists various seismic stations and their associated data.

JMA 22 16:44:35.6, 0.3, 34.16N, 142.70E, h10km, M3.8, Off east









Table with columns: Station Name, Time, Res, ISC. Includes stations like KMBO, FINES, TXAR.

NEIC 22 18:20:18.4, 11.11N-62.22W, h78km, MD3.2(TRN), After TRN.

TRN 22 18:20:18.0, 11.09N-62.11W, h113km, MD3.2
FUNV 22 18:20:19.9, 11.01N-62.36W, h96km, MW3.0
ISC 22 18:20:16.2-0.6, 11.05N-0.03-63.32W-0.03, h108km, 6km, n26, c106/48, 2C-2D, Windward Islands.

Main table for NEIC 22 18:20:18.4, 11.11N-62.22W, h78km, MD3.2. Columns: Code, Station Name, Az, Phase ID, Time, Res, ISC.

ISC 22 18:26:46.9-14.0, 20.72S-178.23W, h578km, 153km, mb3.2/5, mb1 3.3/6, mb1mx3.0/18, mbtmp4.2/6, Error ellipse: s-maj=119.0km s-min=35.1km az=38.0.

NEIC 22 18:26:48.5-1.3, 20.79S-178.28W, h600km, mb4.1/2, Error ellipse: s-maj=28.7km s-min=21.1km az=51.0, Fiji Islands region.

Table for NEIC 22 18:26:46.9-14.0, 20.72S-178.23W, h578km, 153km. Columns: Code, Station Name, Az, Phase ID, Time, Res, ISC.

ISC 22 18:45:59.4, 1.8, 5.71S-130.59E, mb4.0/3, mb1 4.3/6, mb1mx4.0/15, mbtmp4.1/6, ML4.4/3, Error ellipse: s-maj=69.0km s-min=24.0km az=76.0.

NEIC 22 18:46:02.0-0.8, 5.73S-130.70E, h20km, mb4.2/2, Error ellipse: s-maj=34.0km s-min=8.3km az=73.0.

ISC 22 18:46:11.9-1.8, 6.26S-130.07E, h141km, 20km, n13, c157/21, mb3.8/5, Banda Sea.

Main table for NEIC 22 18:45:59.4, 1.8, 5.71S-130.59E, mb4.0/3, mb1 4.3/6. Columns: Code, Station Name, Az, Phase ID, Time, Res, ISC.

NEIC 22 19:07:06.1-2.0, 3.90S-141.14E, h53km, 20km, mb3.8/2, Error ellipse: s-maj=18.2km s-min=14.9km az=133.0.

ISC 22 19:07:03.5-2.5, 3.95S-141.14E, h48km, 24km, n16, c158/17, mb4.0/5, New Guinea.

Table for NEIC 22 19:07:06.1-2.0, 3.90S-141.14E, h53km, 20km, mb3.8/2. Columns: Code, Station Name, Az, Phase ID, Time, Res, ISC.

Table for W22 18:20:18.4, 11.11N-62.22W, h78km, MD3.2. Columns: Code, Station Name, Time, Res, ISC.

MOS 22 19:12:31.6-0.9, 47.92N-154.03E, h43km, mb4.2/1, Error ellipse: s-maj=18.8km s-min=9.6km az=73.4.

NEIC 22 19:12:31.7-3.1, 47.91N-154.19E, h30km, 23km, mb4.3/7, Error ellipse: s-maj=18.5km s-min=7.6km az=151.0.

ISC 22 19:12:33.3-2.9, 47.93N-154.21E, h45km, 29km, mb3.6/10, mb1 3.9/13, mb1mx3.7/27, mbtmp4.0/13, ML4.0/3, MS3.2/2, Ms1 3.2/2, ms1mx2.5/27, Error ellipse: s-maj=27.0km s-min=17.1km az=149.0.

ISC 22 19:12:31.0-1.3, 47.92N-154.1E, h44km, 11km, n48, c152/48, mb4.2/24, MS3.1/2, 1D, Kuril Islands.

Main table for MOS 22 19:12:31.6-0.9, 47.92N-154.03E, h43km, mb4.2/1. Columns: Code, Station Name, Az, Phase ID, Time, Res, ISC.

ISC 22 19:12:31.0-1.3, 47.92N-154.1E, h44km, 11km, n48, c152/48, mb4.2/24, MS3.1/2, 1D, Kuril Islands.

Main table for ISC 22 19:12:31.0-1.3, 47.92N-154.1E, h44km, 11km, n48. Columns: Code, Station Name, Az, Phase ID, Time, Res, ISC.

ISC 22 19:15:08.10-0.1, 91.92N-103.19E, h101km, 80km, mb3.1/4, mb1 3.3/5, mb1mx3.1/21, mbtmp3.4/5, ML3.9/1, Error ellipse: s-maj=102.4km s-min=21.2km az=62.0, Andaman Islands region.

Main table for ISC 22 19:15:08.10-0.1, 91.92N-103.19E, h101km, 80km, mb3.1/4. Columns: Code, Station Name, Az, Phase ID, Time, Res, ISC.

NEIC 22 20:02:04.5-0.7, 44.08N-105.44W, ML3.2, Error ellipse: s-maj=7.8km s-min=6.3km az=194.0, Suspected Mining explosion.

NEIC 22 02:00:13.3-1.1, 4.06N-105.70W, mb1 3.5/4, mb1mx3.3/24, mbtmp3.2/4, ML3.3/4, Error ellipse: s-maj=20.7km s-min=9.3km az=146.0.

ISC 22 20:02:08.3-0.7, 44.10N-105.57W, 0.06, n31, c132/34, Wyoming.

NEIC 22 19:21:23.6, 35.81N-22.12E, h5km, MD3.6(ATH), After ATH.

ATH 22 19:21:24.8, 35.82N-22.22E, h30km, 4km, MD3.6/7
CSEM 22 19:21:25.7-0.2, 35.98N-22.28E, h60km, MD3.6, Error ellipse: s-maj=6.4km s-min=2.0km az=31.0.

Table for KYTH, KYTH, VLI, VLI, ITM, ITM, VAM, VAM, NAIG, NAIG, NAIG, NAIG, IDI, IDI, MEGR, MEGR, NSAL, NSAL, MPAR, MPAR, NPS, NPS, NPS, NPS, EVR, EVR, AGG, AGG, LIT, LIT, FNA, FNA, SDT, SDT, CG1, CG1, BRTR, BRTR, HFS, HFS, FINES, FINES, EKA, EKA, NOA, NOA, ARCES, ARCES, MKAR, MKAR.

ISC 22 19:22:17.2-7.3, 2.185N-96.56E, mb3.6/4, mb1 3.8/5, mb1mx3.5/20, mbtmp3.6/5, ML3.6/1, Error ellipse: s-maj=115.3km s-min=28.2km az=59.0.

NEIC 22 19:22:17.1-7.2, 1.90N-96.74E, h30km, mb3.9/1, Error ellipse: s-maj=23.9km s-min=15.6km az=64.0.

ISC 22 19:22:15.7-1.7, 1.9N-96.7E, h30km, n7, c06/17, mb3.6/4, Off west coast of northern Sumatra.

Main table for ISC 22 19:22:17.2-7.3, 2.185N-96.56E, mb3.6/4, mb1 3.8/5. Columns: Code, Station Name, Az, Phase ID, Time, Res, ISC.

ISC 22 19:31:50.8-10.0, 11.92N-93.19E, h101km, 80km, mb3.1/4, mb1 3.3/5, mb1mx3.1/21, mbtmp3.4/5, ML3.9/1, Error ellipse: s-maj=102.4km s-min=21.2km az=62.0, Andaman Islands region.

Main table for ISC 22 19:31:50.8-10.0, 11.92N-93.19E, h101km, 80km, mb3.1/4. Columns: Code, Station Name, Az, Phase ID, Time, Res, ISC.

ISC 22 19:50:27.3-3.5, 5.44N-94.96E, mb3.4/5, mb1 3.6/5, mb1mx3.4/20, mbtmp3.4/5, Error ellipse: s-maj=141.9km s-min=22.6km az=61.0, Northern Sumatra.

Main table for ISC 22 19:50:27.3-3.5, 5.44N-94.96E, mb3.4/5, mb1 3.6/5. Columns: Code, Station Name, Az, Phase ID, Time, Res, ISC.

NEIC 22 20:02:04.5-0.7, 44.08N-105.44W, ML3.2, Error ellipse: s-maj=7.8km s-min=6.3km az=194.0, Suspected Mining explosion.

NEIC 22 02:00:13.3-1.1, 4.06N-105.70W, mb1 3.5/4, mb1mx3.3/24, mbtmp3.2/4, ML3.3/4, Error ellipse: s-maj=20.7km s-min=9.3km az=146.0.

ISC 22 20:02:08.3-0.7, 44.10N-105.57W, 0.06, n31, c132/34, Wyoming.

Main table for ISC 22 20:02:04.5-0.7, 44.08N-105.44W, ML3.2, Error ellipse: s-maj=7.8km s-min=6.3km az=194.0. Columns: Code, Station Name, Az, Phase ID, Time, Res, ISC.

Table with 4 columns: YKA, Yellowknife Ar, 19.16 347 P, P, 20 06 39.7 +4.2

IDC 22 20:21:16.2-4.6, 22.00N-45.21W, mb3.6/8, mb1 4.0/8, mb1 mx3.7/26, mbtmp3.6/8, MS3.4/8, Ms1 3.4/8, ms1mx3.7/21, Error ellipse: s-maj=128.8km s-min=26.7km

ISC 22 20:21:16.0-3.7, 22.00N-0.7-45.2W-0.2, h10km, n13, o#578/8, mb3.7/8, MS3.4/8, Northern Mid-Atlantic Ridge

Table with 4 columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC

NIED 22 20:31:00, 28.70N, 142.70E, h5km, Mw3.7 Best double couple: M=4.45x10^14 NP1=0.328, 862, 175, NP2: 0.177, 832, 115, Bonin Islands region

IDC 22 20:31:12.8-1.1, 14.02N-120.68E, mb3.8/6, mb1 4.0/6, mb1 mx3.7/20, mbtmp3.6/8, MS3.0/1, Ms1 3.2/1, ms1mx2.4/26, Error ellipse: s-maj=64.8km s-min=19.3km

MAN 22 20:31:15.1, 13.76N-120.05E, h11km, mb4.7, ML3.6, MS3.5

ISC 22 20:31:15.1-0.9, 13.74N-0.03-120.04E-0.4, h14km, mb3.5km, n29, o#133/43, mb4.0/5, MS2.8/1, 1C-1D, Mindoro

Table with 4 columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC

NEIC 22 20:32:0.0-0.9, 20.59S-69.01W, h107km, mb4.3/4, Error ellipse: s-maj=20.5km s-min=11.7km az=86.0

IDC 22 20:32:22.1-1.4, 20.74S-68.75W, h125km, mb3.2/1, mb1 3.4/4, mb1 mx3.2/17, mbtmp3.6/4, Error ellipse: s-maj=52.1km s-min=15.0km az=104.0

ISC 22 20:32:18.8-0.0-0.55, 0.05-69.0W-0.1, h121km, mb3.1km, n9, o#99/12, mb3.4/1, Chile-Bolivia border region

Table with 4 columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC

MOS 22 20:33:44.4-1.0, 42.02N-46.11E, h6km, mb4.2/1, Error ellipse: s-maj=11.4km s-min=9.4km az=69.5

CSEM 22 20:33:44.4-1.9, 42.02N-46.11E, h6km, mb4.2, After OBN

TIF 22 20:33:45.6, 42.00N-46.00E, h20km, 3km

ISC 22 20:33:46.0-0.6, 42.10N-0.04-46.00E-0.04, h2km, 6km

n24, o#15/43, 3C-2D, Eastern Caucasus

Table with 4 columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC

IDC 22 04:12:45.2-2.84N-98.941E, h26km, mb3.3/3, mb1 3.6/3, mb1 mx3.2/19, mbtmp3.5/3, Error ellipse: s-maj=256.9km s-min=21.2km az=55.0, Northern Sumatra

Table with 4 columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC

IDC 22 21:44:59.3-0.8, 1.62S-99.98E, mb4.0/10, mb1 4.1/11, mb1 mx3.9/19, mbtmp4.0/11, ML1.8/1, Error ellipse: s-maj=46.9km s-min=15.8km az=63.0

NEIC 22 21:45:03.6-0.6, 1.73S-99.80E, h30km, mb4.4/1, Error ellipse: s-maj=28.1km s-min=10.0km az=66.0

ISC 22 21:45:02.8-0.7, 1.65S-0.1-100.0E-0.2, h33km, n19, o#106/17, mb4.1/12, Southern Sumatra

Table with 4 columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC

MOS 22 22:07:43.2-0.8, 7.39S-122.81E, h520km, mb4.6/13, Error ellipse: s-maj=19.5km s-min=8.5km az=115.5

BJI 22 22:07:44.4, 7.61S-123.29E, h571km, mb4.6, mb4.7

IDC 22 22:07:46.2-1.0, 7.45S-122.95E, h544km, mb4.0/18, mb1 4.1/21, mb1 mx4.1/26, mbtmp4.9/21, Error ellipse: s-maj=15.0km s-min=6.6km az=60.0

NEIC 22 22:07:46.3-0.5, 7.46S-122.90E, h544km, mb4.7/23, Error ellipse: s-maj=8.2km s-min=4.2km az=56.0

ISC 22 22:07:46.0-0.6, 7.44S-0.04-122.92E-0.06, h556km, 9gkm, n149, o#82/134, mb4.6/50, 21-9D, Flores Sea

Table with 4 columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC

MOS 22 22:07:46.0-0.6, 7.44S-0.04-122.92E-0.06, h556km, 9gkm, n149, o#82/134, mb4.6/50, 21-9D, Flores Sea

ISC 22 22:07:46.0-0.6, 7.44S-0.04-122.92E-0.06, h556km, 9gkm, n149, o#82/134, mb4.6/50, 21-9D, Flores Sea

ISC 22 22:07:46.0-0.6, 7.44S-0.04-122.92E-0.06, h556km, 9gkm, n149, o#82/134, mb4.6/50, 21-9D, Flores Sea



23d 3h

Table with columns: WRA, Warramunga Arr, 14.60 162 P, P, 00 33 161 -0.4, etc.

DJA 23 00:35:06.6:0.9, 8.51S, -112.79E, h154km, 9km, ML4.9/4, 1C-7D, Error ellipse: s-maj=69.4km s-min=20.7km

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

PRU 23 00:59:17.8, 51.40N, 16.24E, NEIC 23 00:59:17.1, 3.1, 51.44N, 16.22E, h5km, ML2.5(VIE), Error ellipse: s-maj=37.5km s-min=9.0km az=211.0

ISC 23 00:59:16.4:1.0, 51.38N, 0.05:16.15E, 0.05, n15, e19/19/30, 1C-1D, Poland

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

ISC 23 01:47:30.4, 36.99N, 27.40E, h22km, MD3.3, CSEM 23 01:47:31.6:0.2, 37.04N, 27.50E, h20km, MD3.3, Error ellipse: s-maj=5.9km s-min=4.8km az=142.0

ISC 23 01:47:32.9, 36.97N, 27.32E, h39km, 2km, MD3.1/6, NEIC 23 01:47:32.9, 36.97N, 27.32E, h39km, MD3.1(ATH), After ATH.

ISC 23 01:47:31.9:0.5, 37.02N, 0.03:27.44E, 0.05, h12km, 3km, n22, e11/11/31, Turkey

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

IDC 23 02:02:09.6:40.0, 53.12S, -136.95W, mb3.8/3, mb1 4.0/3, mb1mx3.7/15, mltmp3.8/3, Error ellipse: s-maj=1001.0km s-min=61.7km az=68.0, Pacific-Antarctic Ridge

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

ATH 23 02:18:09.3, 40.84N, 22.66E, h10km, MD3.1/3, THE 23 02:18:12.4, 40.84N, 22.92E, h1km, ML2.9, CSEM 23 02:18:12.4:0.1, 40.82N, 22.93E, h8km, ML2.9, Error ellipse: s-maj=2.1km s-min=2.0km az=26.0

ISC 23 02:18:11.6:0.6, 40.83N, 0.03:22.94E, 0.05, h11km, 11km, n13, e045/18, 1C, Greece

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

2005 APR

ATH 23 02:31:48.4, 38.59N, 25.84E, h75km, 6km, ML3.3, ISK 23 02:31:48.2, 38.40N, 25.54E, h31km, MD3.2, CSEM 23 02:31:48.4:0.1, 38.52N, 25.80E, h10km, ML3.3, Error ellipse: s-maj=3.5km s-min=2.4km az=171.0

ISC 23 02:31:49.2:0.5, 38.62N, 0.04:25.66E, 0.04, h10km, n25, e19/27/32, Aegean Sea

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

IDC 23 02:32:26.4:2.1, 5.42N, 94.18E, mb3.5/5, mb1 3.6/5, mb1mx3.5/20, mltmp3.5/5, Error ellipse: s-maj=96.7km s-min=25.1km az=57.0, Northern Sumatara

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

MAN 23 02:59:29.9, 8.06N, 122.62E, h23km, mb3.7, ML2.4, MS2.0, Mindanao

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

IDC 23 03:01:26.9:1.0, 0.85N, 97.17E, mb4.1/12, mb1 4.2/13, mb1mx4.1/20, mltmp4.1/13, Error ellipse: s-maj=47.9km s-min=9.2km az=62.0

NEIC 23 03:01:31.7:0.5, 0.92N, 97.31E, h30km, mb4.2/1, Error ellipse: s-maj=14.0km s-min=7.4km az=60.0

ISC 23 03:01:30.8:6.2, 1.0N, 0.2:97.4E, 0.3, h35km, 49km, n18, e055/18, mb4.0/13, Northern Sumatara

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

NEIC 23 03:04:56.9:1.1, 50.27N, 18.37E, h5km, ML2.6(VIE), Error ellipse: s-maj=16.0km s-min=8.8km az=171.0

WAR 23 03:04:57.7, 50.07N, 18.46E, h0km, ML2.4, Mining Induced

CSEM 23 03:04:57.6:0.2, 50.16N, 18.43E, h2km, ML2.9/2, Error ellipse: s-maj=4.62km s-min=2.7km az=10.0

IPEC 23 03:04:57.7:0.2, 50.08N, 18.49E, h4km, 2km, ML1.6/4, Error ellipse: s-maj=2.0km s-min=1.1km az=163.0

PRU 23 03:04:57.9, 50.13N, 18.43E

ISC 23 03:04:56.0:1.0, 50.12N, 0.03:18.44E, 0.03, n26, e19/28/50, 4C, Poland

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

Table with columns: KSP, Upeice, 1.60 285 eSg, Sg, 03 05 50.5 -2.9, etc.

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

WEL 23 03:21:12.0:4.0, 39.13S, 175.29E, h206km, 2km, ML3.5/12, Error ellipse: s-maj=6.9km s-min=3.1km az=90.0, North Island

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

NNC 23 03:59:21.3:7.3, 39.06N, 73.04E, mpv3.9, Error ellipse: s-maj=57.5km s-min=39.8km az=170.0

IDC 23 03:59:22.1:3.0, 39.04N, 73.38E, h108km, 80km, mb3.3/6, mb1 3.5/9, mb1mx3.3/25, mltmp3.7/9, ML3.8/3, Error ellipse: s-maj=140.3km s-min=27.2km az=9.0

MOS 23 03:59:27.9:0.9, 39.51N, 73.24E, h50km, mb3.9/2, Error ellipse: s-maj=32.6km s-min=12.7km az=85.2

ISC 23 03:59:15.3:0.7, 38.45N, 0.03:73.4E, 0.1, h96km, 9km, n43, e19/58/11, mb3.5/6, 2C-3D, Tajikistan-Xinjiang border region

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

KHET Khetri, 10.54 168 eP, P, 04 03 47.9 +0.9, KHET Khetri, 10.54 168 eS, S, 04 03 38.8 -7.8, KHET comp=E, 32nm, 0.6s, AML, AML, 04 03 39.1

KHET comp=N, 20nm, 0.4s, AML, AML, 04 03 39.2, MKAR Makanchi Array, 10.60 35 P, P, 04 01 44.6 -0.8, SONA Sohna, 10.63 162 eP, P, 04 01 45.1 -0.9, SONA Sohna, 10.63 162 eS, S, 04 01 37.6 -6.0, AGR Agra, 11.82 160 eS, S, 04 04 06.4 -7.8, KOLN Koldanda, 13.65 138 eP, P, 04 02 25.8 0.0

GKN Gorlha, 14.02 135 eP, P, 04 02 31.5 +0.9, KKN Kakani, 14.55 133 eP, P, 04 02 35.5 -2.0, BVAR Borovoye Array, 14.72 353 P, P, 04 02 36.7 -2.8, PKI Pulchoki, 14.79 134 eP, P, 04 02 34.0 -6.6, GUN Gumba, 14.81 132 eP, P, 04 02 41.6 +0.9, JIRN Jiri, 15.18 131 eP, P, 04 02 44.2 -1.3, ZAL Zalesovo, 17.35 23 P, P, 04 03 10.3 -2.1, ZAL comp=Z, 3.0nm, 0.3s, P, 04 03 10.2 -2.1, ZAL comp=Z, 2.5nm, 0.3s, baz=218, slow=14, SNR=21, P, 04 03 14.3 -2.4, NVS Novosibirsk, 17.70 19 eP, P, 04 03 14.3 -2.4, NVS comp=N, 1.0nm, 0.6s, pmax, pmax, 04 03 14.3 -2.4, NVS comp=Z, 4.0nm, 0.6s, pmax, pmax, 04 03 14.3 -2.4

SONM Songoing Array, 25.67 58 P, P, 04 04 39.7 +2.2, FINES FINES Array B, 36.98 324 P, P, 04 06 16.4 -0.1





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

ADC 23 05:19:02.7.0.8, 8.87N-93.66E, mb3.9/12, mb1.4/12, mb1mx4.0/21, mbmp3.9/12, MS3.2/1, Ms1 3.2/1, ms1mx2.7/16, Error ellipse: s-maj=37.8km s-min=19.8km az=62.0

MOS 23 05:19:05.9.0.6, 8.75N-100.93.63E, h33km, n39, n058/37, mb4.1/15, Nicobar Islands region

Main table section 1 with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include KULM Kulim, CMAR Chiang Mai Arr, CMAR comp=2.44nm, 19.4s, bazz=213, slow=11, PALK Pallekele, VIS Vishakhapatnam, VIS SHL, KSM Kuching, JIRN Jiri, PKI Pulchok, DMN Daman, GUN Gumba, KKN Kakani, GKN Gorkha, KOLN Koldand, PPO Poona, KKM Kota Kinabalu, NKAR New Delhi, NKAR Makanchi Arr, SONM Sogingo Array, ZAL Zalesovo, BVAR Borovoye Array, ASAR Alice Springs, ASAR Malin Arr, BOD Bodaibo, KESKIN Keskin Arr, BKATG Malin Arr, FINES Malin Arr, FINES Malin Arr, ARCES Malin Arr, GERES Malin Arr, NB2 Norsar Subarra, NB2 Norsar Subarra, NOA Norsar Arr, LA Plagne, LPG La Plagne, IMA Indian Mountain, IMA Indian Mountain, ILAR Eletsos Array, PDAR Pinedale Array, PLCA Paso Flores, CPUP Villa Florida.

NNC 23 05:28:01.1.5.1, 41.89N-71.88E, mpv3.4, Error ellipse: s-maj=66.5km s-min=22.5km az=15.0

KNET 23 05:28:05.1.0.5, 42.11N-72.23E, h33km, m2.8, Error ellipse: s-maj=3.8km s-min=2.2km az=147.0

ISC 23 05:28:04.2.1.4, 42.02N, 0.171.95E, h10km, n10, n130/17, 10C-9D, Kyrgyzstan

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include AML Almayush, EKS2 Erkin-Say, EKS2 Erkin-Say, KK31 Karatay Arr, KK31 Karatay Arr, UCH Uchter, UCH Uchter, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, USP Ospanovka, CHMS Chumysh, CHMS Chumysh, KZA Kyzar, KZA Kyzar, TKM2 Tokmak, TKM2 Tokmak.

ADC 23 05:42:46.2.4.2, 15.88S-177.68W, h424km, 27km, mb3.3/9, mb1.3/10, mb1mx3.5/18, mbmp4.0/10, Error ellipse: s-maj=36.0km s-min=13.7km az=144.0

NEIC 23 05:42:46.3.1.4, 15.86S-177.71W, h425km, 17km, mb4.2/1, Error ellipse: s-maj=32.5km s-min=12.1km az=142.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include AFI Afiamalu, URZ Urewera.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, NWAO Narrogin (SRO), NVAR Minn Arr Bay, ILAR Eletsos Array, TXAR Lajitas Arr, PDAR Pinedale Array, YKA Yellowknife Arr, BRTR Keskinn Arr, GERES Geres Array.

ADC 23 05:46:45.5.9.6, 2.17N-96.40E, mb4.2/3, mb1.4/3, mb1mx3.7/20, mbmp4.1/14, ML4.1/1, MS3.1/2, Ms1 3.2/2, ms1mx3.0/23, Error ellipse: s-maj=189.6km s-min=112.7km az=148.0, Northern Sumatera

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include CMAR Chiang Mai Arr, CMAR comp=2.59nm, 18.8s, bazz=182, slow=36, MKAR Makanchi Arr, MKAR comp=2.26nm, 20.9s, bazz=253, slow=38, SONM Sogingo Array, ZAL Zalesovo.

ADC 23 05:47:32.1.0.9, 11.37S-117.87E, mb4.2/4, mb1.4/4, mb1mx4.1/17, mbmp4.2/7, ML4.1/3, MS3.1/1, Ms1 3.1/1, ms1mx2.7/17, Error ellipse: s-maj=51.6km s-min=17.7km az=58.0

DJA 23 05:47:36.5.1.0, 11.61S-117.22E, h134km, 87km, MD4.7/4, ML4.3/4, Error ellipse: s-maj=107.5km s-min=26.8km az=89.0

NEIC 23 05:47:37.6.0.7, 11.53S-117.80E, h40km, mb4.4/2, Error ellipse: s-maj=19.4km s-min=11.0km az=54.0

ISC 23 05:47:38.8.0.5, 11.52S-108.117.7E, 0.1, h33km, n25, n121/31, 3B3.5/6D, South of Sumbawa

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include KEDI Kedondong, KEDI KEDI, RATI Rata, RATI Rata, KELI Kelakatan, KELI Kelakatan, SRDI Scrawed, SRDI Scrawed, SRDI Marble Bar, SRDI Marble Bar, MBWA Marble Bar, MBWA Marble Bar, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, WRA Warramunga Arr, WRA Warramunga Arr, WRAB Tennant Creek, WRAB Tennant Creek, WB2 Warramunga Arr, WB2 Warramunga Arr, ASPA Alice Springs, ASPA Alice Springs, ASAR Alice Springs, ASAR Alice Springs, KLBR Kellerberrin, KLBR Kellerberrin, MUN Mundaring, MUN Mundaring, NWAO Narrogin (SRO), NWAO Narrogin (SRO), FORT Forrest, FORT Forrest, STKA Stephens Creek, CMAR Chiang Mai Arr, MKAR Makanchi Arr, MKAR Makanchi Arr, ZAL Zalesovo, ZAL Zalesovo, YKA Yellowknife Arr, YKA Yellowknife Arr, YPA Yellowknife Arr, YPA Yellowknife Arr, LPAZ La Paz, LPAZ La Paz.

ATH 23 06:28:28.8, 38.95N-27.85E, h24km, MD3.5/3

CSEM 23 06:28:28.6, 0.1, 38.95N-27.70E, h5km, MD3.2, Error ellipse: s-maj=24km s-min=1.5km az=108.0

ISC 23 06:28:29.2, 0.6, 38.92N-0.02-27.70E, 0.04, h4km, 5km, n32, n056/43, Turkey

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include KDAG Bornova, KDAG Bornova, IZM Izmir, IZM Izmir, BALB Balikesir, BALB Balikesir, BALB Balicova, BALB Balicova, MANM Manisa, MANM Manisa, AYON BTK Tokmak, AYON BTK Tokmak, BTK Dursunbey, BTK Dursunbey, PRK Paraskavi, PRK Paraskavi, AYON Tasoluk, AYON Tasoluk, AYON Samos, AYON Samos, EZN Ezine, EZN Ezine, EDC Edincik, EDC Edincik, KCT Karacabey, KCT Karacabey, ORLT Orhaneli, ORLT Orhaneli, KHL Karahalli, KHL Karahalli, DENT Denizli, DENT Denizli, BOZC Bozcaada, BOZC Bozcaada, BOZC Cakirogluk, BOZC Cakirogluk, DNTZ Duzce, DNTZ Duzce, LPK Lapseki, LPK Lapseki, MLBS Milas, MLBS Milas, ULMT Uludag, ULMT Uludag.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include ULDT Yerkesik, YER Yerkesik, BDRM Kayabasi, BDRM Kayabasi, ALT Altintas, ALT Altintas, HRT Herke, HRT Herke, ESKT Eskisehir, ESKT Eskisehir, ESKT Eskisehir, ESKT Eskisehir, FEETY Fetehye, FEETY Fetehye, RDB Redhopi, RDB Redhopi, EDRB Edirne, EDRB Edirne, KIZT Kizilcal, KIZT Kizilcal.

ADC 23 06:34:36.6, 2.9, 39.43N-44.59E, mb3.6/3, mb1.3/3, mb1mx3.4/18, mbmp3.6/3, MS3.2/2, Ms1 3.3/2, ms1mx2.6/25, Error ellipse: s-maj=68.8km s-min=13.7km az=111.0

TIF 23 06:34:36.6, 39.75N-44.26E, h15km, 5km

CSEM 23 06:34:38.3, 0.1, 39.74N-44.34E, h33km, mb3.7/1, Error ellipse: s-maj=2.7km s-min=1.9km az=57.0

ISK 23 06:34:40.8, 39.76N-44.50E, h33km, MD3.7

NSPP 23 06:34:41.7, 39.67N-44.20E, h7km, ML3.3

MOS 23 06:34:42.4, 1.1, 39.71N-44.34E, h33km, mb3.7/1, Error ellipse: s-maj=19.8km s-min=14.0km az=83.2

THR 23 06:34:43.4, 0.6, 39.45N-44.43E, h14km, 5km, ML3.3

ISC 23 06:34:40.2, 0.3, 39.70N-0.03-44.35E, 0.04, h10km, n51, n193/3/64, mb3.3/3, MS3.1/2, 9D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include VRNZ Vardnashen, MAKU Maku, MAKU Maku, GNI Garni, GNI Garni, GNI comp=0.376nm, 0.3s, bazz=155, slow=23, SNR=24, GNI Garni, ARUZ Aruch, ARUZ Aruch, AMBZ Amberg, AMBZ Amberg, STE Stepanavan, STE Stepanavan, KARS Kars, KARS Kars, VANB Van, VANB Van, TVAN Van, TVAN Van, GRS Goris, GRS Goris, GRS David-gareji, GRS David-gareji, DGRG DGRG, MTA Mtatsminda, MTA Mtatsminda, TBLG Delisi, TBLG Delisi, TIG TIG, TIG TIG, TIG comp=2.50nm, 0.4s, TIG TIG, TIG comp=2.200nm, 0.6s, TIG TIG, TIG comp=N, 2um, 5.0s, TIG TIG, TIG comp=E, 2um, 5.0s, TIG TIG, TIG comp=2.2um, 5.0s, TIG TIG, TIG comp=2.50nm, 0.4s, TIG TIG, HKR Hakkari, HKR Hakkari, ERZM Erzurum, ERZM Erzurum, ERZM Erzurum, ERZM Erzurum, BTM Batman, BTM Batman, BORKA Borka, BORKA Borka, GRMI Germi, GRMI Germi, GRMI comp=N, 101nm, 0.4s, SNR=52, GRMI GRMI, GRMI comp=N, 101nm, 0.4s, SNR=90, GRMI GRMI, ONI Oni, ONI Oni, BEST Besiri, BEST Besiri, ZEI Tsey, ZEI Tsey, BINT Bingo, BINT Bingo, MSL Mosul, MSL Mosul, MSL MSL, MSL MSL, MSL GUMT Gumushane, GUMT Gumushane, GUMT GPT, GUMT Keltik, GUMT Keltik, ELZG Elazig, ELZG Elazig, KIV Kisilovodsk, KIV Kisilovodsk, SNGE Sanandaj, SNGE Sanandaj, SOC Socchi, SOC Socchi, SOC comp=N, 27nm, 1.2s, SOC SOC, SOC comp=2.21nm, 1.2s, SOC SOC, SOC comp=E, 24nm, 1.0s, SOC SOC, SOC comp=2.94nm, 16.0s, SOC SOC, SOC comp=N, 58nm, 13.0s, SOC SOC, SOC comp=E, 87nm, 13.0s, SOC SOC, SOC comp=E, 94nm, 16.0s, ISP Isparta, ISP Isparta, ISP Isparta, OBN Obninsk, OBN Obninsk, OBN comp=2.7, 0nm, 0.6s, OBN OBN, AAK Ala-Archa, AAK Ala-Archa, VAE Valguarnera, VAE Valguarnera, GERES Geres Arr, GERES Geres Arr, KHC Kasperske Hory, KHC Kasperske Hory, FINES FINESS Array B, FINES FINESS Array B, FINES comp=2.1, 0nm, 0.5s, FINES FINESS Array B, FINES FINESS Array B, NLA Norsar Arr, NLA Norsar Arr, TOY Talaya, TOY Talaya, BOD Bodaibo, BOD Bodaibo, YKA Yellowknife Arr, YKA Yellowknife Arr, GUC 23 06:43:12.2, 0.4, 24.40S-67.48W, h170km, ML3.5, 2C, Chile-Argentina border region





ellipsoe: s-maj=24.0km s-min=4.9km az=197.0  
ISC 23 07:48:51.9, 0.8, 45.0S, 0.1, 158.82E, 0.06, h10km, n44,  
e155/67, mb3.9/3, Southeast of Australia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DCZ Deep Cove, MSZ Milford Sound, MLZ Mavora Lakes, etc.

GUC 23 08:45:11.8, 0.8, 22.81S, 70.19W, h108km, 6km, ML3.9  
IDC 23 08:45:15.2, 4.9, 22.59S, 70.30W, h66km, 3.7km, mb3.3/1,  
mb1 3.7/3, mb1mx3.4/16, mbtmp3.7/3, ML3.7/1, MS3.0/3,  
Ms1 3.0/3, ms1mx2.8/8, Error ellipse: s-maj=59.2km  
s-min=31.1km az=46.0

ISC 23 08:45:12.0, 1.1, 22.77S, 0.09, 70.3W, 0.1, h107km, 14km,  
n11, -0.62/13, mb3.5, Near coast of northern Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ANCH Antofagasta, LVC Limon Verde, CPN1 Cerro Paranal, etc.

OMAN 23 08:47:32.3, 33.50N, 56.78E, h30km, Error ellipse:  
s-maj=120.4km s-min=23.4km az=7.0  
IDC 23 08:48:47.6, 0.7, 27.66N, 56.82E, mb4.3/19, mb1 4.4/21,  
mb1mx4.3/26, mbtmp4.3/21, ML4.3/2, MS3.5/3, Ms1 3.3/3,  
ms1mx3.0/27, Error ellipse: s-maj=17.5km s-min=16.5km  
az=157.0

TEH 23 08:48:48.7, 27.35N, 57.09E, h16km, M4.0  
MOS 23 08:48:50.6, 21.0, 27.68N, 56.82E, h33km, mb4.7/27, Error  
ellipse: s-maj=10.6km s-min=5.1km az=127.0  
BJJ 23 08:48:50.5, 27.60N, 56.70E, h55km, mb5.3, mb5.0, Ms4.5,  
Ms4.1

CSEM 23 08:48:51.4, 0.1, 27.54N, 56.88E, h60km, mb4.6/8, Error  
ellipse: s-maj=5.6km s-min=2.0km az=69.0  
NEIC 23 08:48:54.5, 0.8, 27.63N, 56.74E, h55km, 5km, mb4.5/26,  
Error ellipse: s-maj=8.2km s-min=6.2km az=162.0

THR 23 08:48:54.5, 0.6, 27.84N, 56.43E, h15km, 6km, ML4.2  
ISC 23 08:48:51.6, 0.4, 27.59N, 0.03, 56.79E, 0.04, h45km, 4km,  
h6km, 4.8km, pP-P, n190, e192/200, mb4.4/52, MS3.8/5,  
17C-12D, Southern Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BNDS Bandar-Abbas, KRBR Kerman, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KRBR Kerman, ASHO Ashiyah, GHIR Ghir-Karzin, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KMBO Kilima Mbojo, KMBO Kilima Mbojo, etc.



Table with columns: EMIN, Mina Concepcio, 3.25 322, P, Pn, 09 41 22.7 +0.7, etc.

NSSP 23 09:50:00.0, 39.70N-44.22E, h8km, ML3.3
TIF 23 09:50:04.7, 39.81N-43.98E, h13km, 3km
IDC 23 09:50:06.9, 1.0, 39.65N-44.22E, mb4.0/11, mb1 4.0/13, mb1mx3.9/23, mbtmp3.9/13, MS2.4/6, MS3.4/6, MS1 3.4/6, ms1mx3.0/33, Error ellipse: s-maj=20.4km s-min=8.3km az=141.0

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

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

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

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

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

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

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

Table with columns: OBN, Obninsk, 16.27 344, i P, P, 09 53 56.9 -1.4, etc.

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

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

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

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

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

Table with columns: STKA, Stephens Creek, 30.60 143, P, P, 10 11 38.9 +0.5, etc.

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

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Op, ISC, Time Res, h, m, s, ISC. Includes stations like SNGE Sanandaj, IDHR Dehrash, IRAZ Razeghan, etc.

IDC 23 10:13:35.3, 4.82N-92.50E, mb3.2/2, mb1 3.6/3, mb1mx3.3/21, mbtmp3.3/3, ML 0/1, Error ellipse: s-maj=110.1km s-min=33.3km az=61.0, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Az', Op, ISC, Time Res, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, MKAR Makani Array, WRA Warramunga Arr, etc.

IDC 23 10:31:39.6, 0.4, 2.79N-95.99E, mb4.8/22, mb1 4.9/23, mb1mx4.9/24, mbtmp4.8/23, ML 4.8/1, MS4.7/21, Ms1 4.7/21, ms1mx4.9/37, Error ellipse: s-maj=18.4km s-min=11.0km az=53.0

MOS 23 10:31:43.5, 1.3, 2.77N-96.00E, h33km, mb5.3/47, MS4.8/16, Error ellipse: s-maj=9.0km s-min=5.2km az=113.6

NEIC 23 10:31:45.0, 2.1, 2.75N-95.99E, h33km=14km, mb5.1/46, MS4.9/37, Error ellipse: s-maj=7.2km s-min=4.8km az=224.0

HRVD 23 10:31:45.0, 0.3, 2.40N-95.74E, h25km, MW5/2/57, Centroid moment Tensor Solution. LP body waves: s48, c78, Mantle waves: s57, c95; Half duration: 0 Moment release: Scale 10^19Nm; Mw: 2.95; 17; Mw: 2.39; 12; Mw: 0.57; 16; Mw: 5.34; 26; Mw: 2.21; 11; Mw: 4.36; 32; Best double couple: M: 7.693x10^18 NP1: 295°, 813°, 177°; NP2: 129°, 877°, A: 93°; Principal axes: T: 253, P: 658°, Azm43°; N: 878, Plg3°; Azm308°; P: 8.132, Plg32°; Azm216°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

Table with columns: Code, Station Name, Az, Az', Op, ISC, Time Res, h, m, s, ISC. Includes stations like KULM Kulim, IPM Ipoh, SNG Songkhla, etc.

Table with columns: Code, Station Name, Az, Az', Op, ISC, Time Res, h, m, s, ISC. Includes stations like TSM Tawau, YHB Hyderabad, HYB Hyderabad, etc.

Table with columns: Code, Station Name, Az, Az', Op, ISC, Time Res, h, m, s, ISC. Includes stations like LZH, DLH Dalhousie, THN Thein Dam, etc.





SYO	Syowa Base	81.06 198	↑P	P	10 43 55.0	-1.2
DPC	Dobruska-Polom	81.31 320	eP	pP	10 43 57.6	-0.2
DPD			eP	pP	10 44 10.7	+2.5
DPD			eP	pP	11 26 30.0	
	comp=Z,200nm,19.5s		AMS	AMS		
UPJC	Ujice	81.52 321	eP	P	10 44 00.3	+1.4
BOJS	Bojanci	81.56 315	eP	P	10 43 59.8	+0.6
PERP	Pernice	81.75 317	iP	P	10 44 02.5	+2.4
PDKS	Podkum	81.78 316	eP	P	10 44 00.5	+0.1
PRU	Pruhonice	82.41 320	eP	P	10 44 03.9	+0.3
PRU			eP	pP	10 44 19.7	+2.3
	comp=Z,200nm,21.5s		AMS	AMS	11 24 50.0	
PVCC	Panska Ves	82.44 320	eP	P	10 44 05.8	+2.1
PVCC			AMS	AMS	11 29 50.0	
	comp=Z,300nm,22.2s					
BRG	Berggiesshubel	82.87 321	eP	P	10 44 06.7	+0.8
BRG			pmx	pmx		
	comp=Z,7.0nm,1.1s,mb4.6					
BRG	Berggiesshubel	82.87 321	eP	P	10 44 06.7	+0.8
BRG			comp=Z,6.7nm,1.1s,mb4.6			
BRG			eS	SS	10 54 32.0	+1.1
BRG			eSS	SS	11 00 02.0	+1.5
GECC	GERESS Array S	82.87 319	eP	P	10 44 06.8	+0.8
GECC			pmx	pmx		
	comp=Z,15nm,1.1s,mb4.9					
GECC	GERESS Array S	82.87 319	eP	P	10 44 06.8	+0.8
	comp=Z,15nm,1.1s,mb4.9					
GERES	GERESS Array S	82.87 319	eP	P	10 44 05.9	0.0
	comp=Z,6.0nm,0.9s,mb4.8,baz=90,slow=5.3,SNR=28		LR	LR	11 27 12.5	
GERES			LR	LR		
	comp=Z,293nm,19.5s,MS4.7,baz=302,slow=40					
KHC	Kasperske Hory	82.97 319	eP	P	10 44 07.6	+1.1
KHC	Kasperske Hory	82.97 319	eP	P	10 44 06.4	-0.1
KHC			AMS	AMS	11 27 00.0	
	comp=Z,200nm,18.5s					
CLL	Collm	83.49 321	eP	P	10 44 09.0	-0.1
CLL			e	P	10 44 22.0	-0.9
CLL	Collm	83.49 321	eP	pP	10 44 11.2	+0.6
CLL			eSP	pP	10 44 23.3	+2.3
NKC	Novy Kostel	83.78 320	eP	pP	11 25 20.0	
NKC			AMS	AMS		
	comp=Z,200nm,19.8s					
MOX	Moxa	84.33 320	eP	P	10 44 12.6	-0.7
MOX			pmx	pmx		
	comp=Z,20nm,1.6s,mb5.0					
MOX			MLR	MLR		
	comp=Z,200nm,19.0s,MS4.5					
MOX	Moxa	84.33 320	eP	P	10 44 12.6	-0.7
	comp=Z,20nm,1.6s,mb5.0					
MOX			LR	LR		
	comp=Z,200nm,19.0s,MS4.5					
MOX	Moxa	84.33 320	iP	P	10 44 12.6	-0.7
	comp=Z,logA/T=1.1,mb5.0				11 31 40.0	
MOX						
GRA1	Grabenberg Arr	84.54 319	eP	P	10 44 15.3	+0.9
GRA1			comp=Z,22nm,1.2s,mb5.2			
GRA1	Grabenberg Arr	84.54 319	eP	P	10 44 15.3	+0.9
GRA1			pmx	pmx		
	comp=Z,22nm,1.2s,mb5.2					
GRA1	Grabenberg Arr	84.54 319	eP	P	10 44 15.3	+0.9
GRA1			pmx	pmx		
	comp=Z,22nm,1.2s,mb5.2					
URZ	Urewera	84.72 129	LR	LR	11 20 30.7	
	comp=Z,677nm,21.6s,MS5.0,baz=297,slow=39					
SARO	Sassorosso	84.94 314	pP	P	10 44 24.4	-2.6
NB2	NORSAR Subarra	85.09 331	P	P	10 44 16.9	0.0
NB2			comp=Z,8.2nm,0.9s,mb4.9,baz=98,slow=5.6			
NB2	NORSAR Subarra	85.09 331	P	P	10 44 16.9	0.0
NB2			pmx	pmx		
	comp=Z,8.0nm,0.9s,mb4.8					
NOA	NORSAR Array B	85.09 331	P	P	10 44 16.9	-0.1
	comp=Z,6.8nm,0.9s,mb4.8,baz=94,slow=5.4,SNR=21		LR	LR	11 26 47.0	
NOA			LR	LR		
	comp=Z,351nm,21.4s,MS4.7,baz=90,slow=39					
CLZ	Clausthal	85.15 322	eP	P	10 44 17.8	+0.4
	comp=Z,9.0nm,1.0s,mb4.8					
NAO01	NORSAR Array S	85.24 331	eP	P	10 44 18.0	+0.4
BSEG	Bad Segeberg	85.25 324	eP	P	10 44 18.4	+0.5
KONO	Kongsberg	85.83 329	eP	P	10 44 20.4	-0.2
KONO			pmx	pmx		
	comp=Z,22nm,1.1s,mb5.3					
KONO	Kongsberg	85.83 329	eP	P	10 44 20.4	-0.2
	comp=Z,22nm,1.1s,mb5.3					
KBS	Kingsbay	86.20 349	PFAKE	LR	10 44 30.0	+7.9
KBS			LR	LR		
	comp=Z,498nm,22.0s,MS4.9					
TNS	Tanus Mts	86.34 320	eP	P	10 44 24.4	+1.0
TNS			pmx	pmx		
	comp=Z,10.0nm,0.9s,mb5.0					
TNS	Tanus Mts	86.34 320	eP	P	10 44 24.4	+1.0
	comp=Z,10.0nm,0.9s,mb5.0					
FIN	Finale Ligure	86.52 314	P	P	10 44 24.5	+0.1
ORX	Orpea	86.67 315	P	P	10 44 24.5	-0.6
IMI	Imperia	86.75 314	P	P	10 44 26.6	+1.1
ROB	Roburent	86.76 314	P	P	10 44 25.4	-0.2
MONE	Monesi	86.84 314	P	P	10 44 25.7	-0.3
NEGI	Negli	86.89 314	P	P	10 44 27.0	+0.8
ENR	Entraque	87.08 314	P	P	10 44 28.3	+1.1
BHB	Bricerasio	87.19 315	P	P	10 44 27.4	-0.2
LSD	Ceresole Reale	87.25 315	P	P	10 44 28.2	+0.3
FENE	Fenestrelle	87.32 315	P	P	10 44 27.2	-1.1
LPG	La Plagne	87.53 315	eP	P	10 44 30.4	+1.1
	comp=Z,1.4nm,0.7s,mb5.0					
LPG	La Plagne	87.53 315	eP	P	10 44 30.4	+1.1
	comp=Z,7.0nm,0.7s,mb5.0					
VNDA	Vanda	87.54 169	P	P	10 44 30.6	+2.0
	comp=Z,0.4nm,0.7s,baz=295,slow=6.7,SNR=32		LR	LR	11 21 57.3	
VNDA			LR	LR		
	comp=Z,485nm,19.2s,MS4.9,baz=300,slow=34					
RAO	Raoul Island	87.92 119	LR	LR	11 25 47.3	
	comp=Z,306nm,21.8s,MS4.7,baz=265,slow=37					
TNA	Tin City	90.08 24	eP	P	10 44 39.9	-1.0
	comp=Z,8.1nm,1.1s,mb4.8					
TNA			LR	LR		
	comp=Z,306nm,20.0s,MS4.7					
AFI	Afiama	92.83 104	LR	LR	11 21 57.7	
	comp=Z,207nm,20.2s,MS4.6,baz=86,slow=32					
IMA	Indian Mountai	95.67 23	eP	P	10 45 07.6	+1.0
IMA			pmx	pmx		
	comp=Z,68nm,1.4s,mb5.9					
IMA	Indian Mountai	95.67 23	eP	P	10 45 07.6	+1.0
	comp=Z,68nm,1.4s,mb5.9					
COLA	College	98.37 23	iP	P	10 45 19.4	+0.6
COLA	College	98.37 23	PFAKE	LR	10 45 30.0	+1.1
	comp=Z,369nm,19.0s,MS4.9					
MCK	McKinley	98.42 24	PFAKE	LR	10 45 30.0	+1.1
MCK			LR	LR		
	comp=Z,274nm,20.0s,MS4.8					
ILAR	Elison Array	99.37 23	P	P	10 45 19.2	-1.4
	comp=Z,0.5nm,0.8s,mb4.1,baz=295,slow=3.8,SNR=5.7					
FIB	Fire Island	99.80 27	PFAKE	LR	10 45 30.0	+8.8
FIB			LR	LR		
	comp=Z,696nm,21.0s,MS5.1					
KDAK	Kodiak Island	99.87 30	PFAKE	LR	10 45 30.0	+8.4
KDAK			LR	LR		
	comp=Z,111nm,21.0s,MS4.3					
DIV	Divide	100.86 26	PFAKE	LR	10 45 40.0	+1.0
DIV			LR	LR		
	comp=Z,1.1m,21.0s,MS5.5					
INK	Inuvik	101.39 17	P	P	10 45 32.6	+0.2
	comp=Z,1.4nm,0.8s,baz=310,slow=5.0,SNR=7.2		PP	PP	10 49 37.0	-7.6
INK			PP	PP		
	comp=Z,1.7nm,1.0s,baz=285,slow=4.6,SNR=4.4					
YKA	Yellowknife Ar	110.95 15	PP	PP	10 50 47.7	-8.1
YKA			PKKpCb	PKKpCb	11 01 11.2	
	comp=Z,0.2nm,0.7s,baz=150,slow=3.2,SNR=9.4					
TBI	Tubau	113.59 114	eLR	LR	11 24 29.6	
	comp=Z,311nm,25.8s					
PPT	Papeete	114.11 108	eLR	LR	11 24 39.6	
SCHO	Schefferville	120.91 349	PFAKE	LR	10 50 50.0	+1.2
SCHO			LR	LR		
	comp=Z,679nm,20.0s,MS5.3					
NEW	Newport	121.61 25	PKP	PKP	10 50 35.8	-3.4
	comp=Z,2.1nm,0.8s,baz=19,slow=1.5,SNR=6.0					
MSO	Missoula	124.08 24	ePKP	PKP	10 50 38.5	-5.6
MSO			ePKP	PKP		

WVOR	Wild Horse Val	125.24 31	ePKP	PKP	10 50 43.5	-2.9
WVOR			MLR	MLR		
	comp=Z,193nm,19.0s,MS4.8					
MCZ	McKenzie Canyo	126.24 25	ePKP	PKP	10 50 43.6	-4.1
BOZ	Bozeman	126.24 25	PKP	PKP	10 50 45.4	-2.6
ULM	Lac du Bonnet	126.27 9	PKP	PKP	10 50 43.5	-4.6
	comp=Z,2.8nm,0.5s,baz=342,slow=4.8,SNR=4.3					
RKT	Rikitea	126.71 117	eLR	LR	11 30 30.9	
	comp=Z,289nm,24.8s					
LAO	LASA Array	127.05 19	ePKP	PKP	10 50 46.2	-3.5
LAO			PKP	PKP		
	comp=Z,367nm,19.0s,MS5.1					
RR12	Red Ridge	127.96 25	PKP	PKP	10 50 45.0	-6.7
SNOW	Snow King Moun	128.12 25	ePKP	PKP	10 50 48.5	-3.5
NVAR	Mina Array Bea	128.25 34	PKP	PKP	10 50 49.4	-3.0
	comp=Z,3.5nm,0.8s,baz=14,slow=7.7,SNR=15					
MNV	Mina	128.34 34	PFAKE	LR	10 51 00.0	+7.5
MNV			LR	LR		
	comp=Z,224nm,22.0s,MS4.8					
AHID	Auburn Hatcher	128.55 25	PFAKE	LR	10 51 00.0	+7.2
AHID			LR	LR		
	comp=Z,384nm,19.0s,MS5.1					
POI	Presque Isle	128.83 346	PFAKE	LR	10 51 00.0	+6.8
PQI			LR	LR		
	comp=Z,2.1m,19.0s,MS5.8					
PDAR	Pinedale Array	129.19 24	PKP	PKP	10 50 51.0	-3.0
	comp=Z,1.3nm,0.8s,baz=315,slow=2.1,SNR=10					
HWUT	Howland Ranch	129.26 24	ePKP	PKP	10 50 51.3	-2.9
DUG	Dugway	129.29 29	ePKP	PKP	10 50 52.6	-2.7
RSS	Black Hills	130.04 19	ePKP	PKP	10 50 52.5	-3.1
DAC	Darwin (Calif)	130.16 36	PFAKE	LR	10 51 00.0	+4.0
DAC			LR	LR		
	comp=Z,210nm,19.0s,MS4.8					
TMUT	Trail Mountain	131.29 28	ePKP	PKP	10 50 55.3	-2.8
MVU	Marysville	131.43 20	ePKP	PKP	10 50 56.2	-2.2
MVU			PKP	PKP		
	comp=Z,245nm,21.0s,MS4.9					
MSU	Marysville	131.44 30	ePKP	PKP	10 50 56.3	-2.1
SRU	San Rafael	131.75 28	ePKP	PKP	10 50 56.3	-2.6
NEK	Nelson	132.18 34	ePKP	PKP	10 50 57.3	-2.6
PV10	Paradox Valley	133.03 27	ePKP	PKP	10 50 58.9	-2.6
PV01	Paradox Valley	133.44 27	ePKP	PKP	10 51 01.0	-1.1
HRV	Harvard-Oak R	133.59 347	PFAKE	LR	10 51 10.0	+7.7
HRV			LR	LR		
	comp=Z,291nm,19.0s,MS5.0					
WUAZ	Wupatki	134.16 31	ePKP	PKP	10 51 02.1	-1.5
WUAZ			LR	LR		
	comp=Z,318nm,19.0s,MS5.1					
ANMO	Albuquerque	137.02 27	ePKP	PKP	10 51 05.4	-3.4
MTX	Cornudas Moun	140.21 29				













Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MKAR Machanchi Array, MKAR Alice Springs, ASAR Alice Springs, WRA Warrungana Arr, etc.

CSEM 23 14:48:03.04+0.1, 24.82N:36.24E, h35km, ML2.7, Error ellipse: s-maj=2.8km s-min=1.8km az=1.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like UMSJ Umm Lajj, HACS Hagol, EMRS Mersa Alam, etc.

IDC 23 14:52:59.1+1.1, 9.1S:99.59E, mb3.9/10, mb1 4.1/10, mb1mx3.9/10, mbtmp3.9/10, MS3.1/1, Ms1 3/1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KULM Kulim, CMAR Chiang Mai Arr, FITZ Fitzroy Crossi, etc.

IDC 23 15:14:27.4+3.2, 0.78N:96.67E, mb3.6/4, mb1 3.8/5, mb1mx3.5/19, mbtmp3.6/5, ML3.3/1, Error ellipse: s-maj=112.8km s-min=26.9km az=59.0, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, WRA Warrungana Arr, MKAR Machanchi Array, etc.

TAP 23 15:18:33.9, 22.26N:121.74E, h116km, 1km, ML3.6, Taiwan region

IDC 23 15:31:39.7+7.6, 9.90N:93.00E, mb3.7/3, mb1 3.7/4, mb1mx3.4/21, mbtmp3.5/4, ML3.5/1, Error ellipse: s-maj=179.5km s-min=44.2km az=97.0, Nicobar Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, WRA Warrungana Arr, ASAR Alice Springs, etc.

MEX 23 15:39:42.0+1.0, 15.36N:94.58W, h35km, MD3.8, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HUIG Huatulco, CMIG Matias Romero, CMIG Comitan, etc.

IDC 23 15:40:25.7+1.8, 0.41S:96.67E, mb3.8/7, mb1 4.0/8, mb1mx3.7/19, mbtmp3.8/8, ML3.8/1, MS3.5/3, Ms1 3.5/3, ms1mx3.0/25, Error ellipse: s-maj=80.6km s-min=18.3km az=58.0

NEIC 23 15:40:31.1+0.9, 0.19S:96.95E, h37km, Error ellipse: s-maj=21.9km s-min=11.8km az=67.0

ISC 23 15:40:29.3+1.0, 0.25+0.1, 97.0E+0.2, h30km, n14, 0.84/11, mb3.8/7, MS2.7/2, Southwest of Sumatra

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

TAP 23 15:49:21.3, 22.17N:121.13E, h31km, 1km, ML3.5, Taiwan region

IDC 23 15:56:46.2+2.3, 8.28S:112.50E, mb3.5/5, mb1 3.6/5, mb1mx3.6/17, mbtmp3.5/5, Error ellipse: s-maj=115.1km s-min=20.5km az=55.0

DJA 23 15:57:02.2+0.9, 8.60S:112.72E, h160km, MD4.7/4, ML4.3/4, Error ellipse: s-maj=58.2km s-min=20.0km

ISC 23 16:57:03.3+1.5, 8.1S:102.112.9E+0.2, h160km, 10km, n9, 0.81/13, mb3.4/5, 3C-5D, Jawa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SRDI Scrawled, SRDI Kelakatan, KELI Kelakatan, etc.

TAP 23 16:14:02.8, 24.12N:122.22E, h19km, 1km, ML2.8, JMA 23 16:14:02.5+0.6, 24.12N:122.31E, h26km, M2.3, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like YOJ Yonaguni jima, YOJ Iriomote-Funau, IRIF Iriomote-Funau, etc.

CSEM 23 16:17:14.6+0.7, 38.65N:28.53W, h5km, 14km, ML1.3, Error ellipse: s-maj=7.9km s-min=3.5km az=121.0, After PDA

PDA 23 16:17:14.6+0.7, 38.65N:28.53W, h5km, 14km, MD2.6, ML1.3, Error ellipse: s-maj=7.9km s-min=3.5km az=121.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like YOJ Yonaguni jima, YOJ Iriomote-Funau, IRIF Iriomote-Funau, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PCED Cedros, CALA Caldeira, CALA Caldeira, etc.

IDC 23 16:29:30.8+1.1, 0.25N:124.55E, mb3.8/5, mb1 3.9/5, mb1mx3.7/18, mbtmp3.8/5, Error ellipse: s-maj=139.3km s-min=18.4km az=66.0, Minahassa Peninsula, Sulawesi

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

IDC 23 16:40:24.9+16.0, 4.77S:129.49E, h138km, 168km, mb3.2/1, mb1 3.1/4, mb1mx2.9/16, mbtmp3.4/4, ML3.3/3, Error ellipse: s-maj=104.0km s-min=55.7km az=44.0, Banda Sea

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

NIED 23 16:45:00.46, 00N:147.70E, h5km, Mw3.4 Best double couple: Mo:1.68x10^14 NP1:122, 888, -1.57, NP2: 216, 633, -1.176

JMA 23 16:45:48.0+3.0, 45.98N:147.69E, M4.1, IDC 23 16:45:50.9+1.4, 06.06N:148.00E, h29km, 5km, mb3.5/7, mb1 3.9/8, mb1mx3.5/23, mbtmp3.7/8, ML3.2/1, Error ellipse: s-maj=80.8km s-min=17.1km az=126.0

ISC 23 16:45:42.0+6.1, 44.14N:147.75E+0.2, h47km, 16km, h2k1km, 1.4km, pp-P, n17, 0.676/22, mb3.7/7, Northwest of Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JRA Rausu, NEM2 Nemuro 2, JNK Nakash, etc.

YKA Yellowknife Arr 53.62 35 P 16 55 08.0 -0.8

YKA Yellowknife Arr 53.62 35 P 16 55 16.6 -5.2

NVAR Mina Arr Bay 65.99 59 P 16 56 33.8 -3.9

NVAR Warrungana Arr 66.85 194 P 16 56 38.8 -1.0

PDAR Finedale Arr 68.08 51 P 16 56 47.2 +0.1

PDAR Finedale Arr 68.08 51 P 16 56 56.4 -4.2

ASAR Alice Springs 70.57 193 P 16 57 03.9 +1.1

TXAR Lajitas Arr 81.90 57 P 16 57 02.8 -1.0

IDC 23 16:57:52.1+16.0, 13.10S:167.22E, h172km, 146km, mb3.8/8, mb1 3.7/8, mb1mx3.5/17, mbtmp4.0/8, Error ellipse: s-maj=56.7km s-min=50.5km az=109.0

ISC 23 16:57:35.8+2.1, 12.9S:103.167.2E+0.4, h33km, n10, 0.45/6/8, mb3.9/8, Santa Cruz Islands

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

IDC 23 17:07:34.3+18.0, 18.99S:175.53W, mb4.0/5, mb1 4.2/5, mb1mx3.8/18, mbtmp4.0/5, Error ellipse: s-maj=336.4km s-min=139.5km az=79.0, Tonga Islands

NEIC 23 17:10:53.4+0.2, 21.22N:108.88W, h10km, mb4.3/21, Error ellipse: s-maj=13.4km s-min=6.5km az=223.0



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

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like NOA, ULM, BRTR, etc.

NEIC 23 18:37:47.8,55.78N-158.09W,h42km,ML3.1(AEIC), After AEIC, Alaska Peninsula

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

LDG 23 18:39:43.6:0.1, 45.90N, 1.44W, h2km, Md2.5/3, Ml2.3/19, Error ellipse: s-maj=1.0km s-min=1.1km az=52.0

NEIC 23 18:39:44.6:0.2, 45.92N, 1.44W, h5km, ML2.7(STR), ML2.3(LDG), After STR

STR 23 18:39:44.6:0.2, 45.92N, 1.44W, h5km, 1km, Ml2.3, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0, France

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

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like EMIN, EMIN, ETOB, etc.

NEIC 23 18:45:04.3:2.5, 5.03N, 125.11E, h289km, mb4.2/5, Error ellipse: s-maj=24.1km s-min=11.0km az=69.0

ICD 23 18:49:07.5:0.4, 9.1N, 125.04E, h349km, mb3.2/10, mb1.3/10, mb1mx3.2/20, mbtmp4.0/10, Error ellipse: s-maj=28.1km s-min=11.4km az=75.0

ISC 23 18:45:03.2:2.7, 5.01N, 10.125E, 0.2, h295km, 28km, n20, c093/20, mb3.8/15, Mindanao

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

NEIC 23 18:48:05.4:1.8, 10.33S, 126.75E, mb3.7/2, mb1.3/7/3, mb1mx3.4/14, mbtmp3.7/3, Error ellipse: s-maj=56.1km s-min=28.2km az=61.0, Timor Sea

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

ICD 23 18:49:33.1:1.9, 12.89N, 92.47E, mb4.0/6, mb1.4/17, mb1mx3.8/21, mbtmp3.9/7, ML3.8/1, MS2.8/1, Ms1.3/0/1, mb1mx2.5/27, Error ellipse: s-maj=63.1km s-min=20.6km az=73.0

BUI 23 18:49:35.8, 12.79N, 92.47E, h34km, mb4.2, Error ellipse: s-maj=15.5km s-min=10.5km az=128.0

ISC 23 18:49:32.6:0.6, 13.30N, 0.06, 92.05, h34km, h34km, 2.2km, pP, n20, c11/21, mb2.1/0, Andaman Islands region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like CM31, CMAR, VIS, etc.

NEIC 23 18:51:02.7, 39.71S, 174.19E, h180km, MG3.7(WEL), After WEL

WEL 23 18:51:02.7:0.3, 39.71S, 174.13E, h176km, 3km, ML3.7/6, Error ellipse: s-maj=3.0km s-min=1.8km az=90.0, North Island

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

CSEM 23 18:43:11.5, 34.95N, 3.74W, h7km, MD3.1, After CNRM

CNRM 23 18:43:11.5, 34.95N, 3.74W, h7km, MD3, MDD 23 18:43:11.4:0.5, 34.98N, 3.74W, h17km, 5km, mbLg1.7/4, Error ellipse: s-maj=5.5km s-min=4.7km az=67.0, PRXIMO, Morocco

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



Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like ARSA, ARSA, KBA, KBA, FIN, FIN, IMI, IMI, NEGI, NEGI, etc.

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

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like BOD, BOD, SONM, SONM, ULN, ULN, YAK, YAK, BOS, BOS, etc.















Table with columns for station name, coordinates, and various parameters. Includes stations like CLNS, Ulaanbaatar, SONM, YAK, etc.

Table with columns for station name, coordinates, and various parameters. Includes stations like OBN, KAF, FINES, KIV, GNI, GNI, GNI, etc.

Table with columns for station name, coordinates, and various parameters. Includes stations like MBDF, SGFM, VIVF, TXAR, SNA, SNA, SNA, etc.



24d 5h

Table of station data for 24d 5h, including columns for station name, coordinates, and various parameters like SNR, azimuth, and elevation.

2005 APR

Main table of station data for 2005 APR, listing stations like FORT Forrest, KLBR Kellerberrin, and others with their respective coordinates and parameters.

880

Table of station data for 880, including stations like CRAJ, CICO, and others, with their coordinates and parameters.





KMI	comp=Z,760nm,26.3s,MS5.0	MLR	MLR						
KMI	<b>Kunning</b> 92.54 319	P	P	06 53 53.6	+2.5				
KMI	comp=Z,9.0nm,0.6s,mb5.4	pP	pP	06 53 56.2	+1.9				
KMI		PP	PP	06 57 38.4	+3.2				
KMI		SKS	SKS	07 04 27.7	-0.3				
KMI		S	S	07 04 56.4	+3.9				
KMI		SS	SS	07 05 02.8					
KMI		LR	LR	07 11 09.9	+1.8				
NJ2	comp=Z,760nm,26.3s,MS5.0	MLR	MLR						
NJ2	<b>Nanjing</b> 94.56 334	eP	P	06 54 00.4	+0.2				
NJ2		AP	pP	06 54 05.3	+1.8				
NJ2		XP	sp	06 54 07.4	+2.9				
NJ2		S	S	06 57 50.0	+0.2				
NJ2		AMB	AMB	07 05 09.0	-0.8				
NJ2	comp=Z,10.0nm,0.9s,mb5.2	AMB	AMB						
NJ2	comp=Z,2um,6.3s	LR	LR						
NJ2	comp=N,2um,24.7s,MS5.5	LR	LR						
NJ2	comp=E,1um,22.2s,MS5.5	LR	LR						
NJ2	comp=Z,1.1um,22.2s,MS5.5	LR	LR						
MJAR	<b>Matsushiro Arr</b> 96.04 351	LR	LR	07 32 06.6					
LPAZ	<b>La Paz</b> 96.64 144	LR	LR	07 29 17.1					
WMQO	<b>Urumqi</b> 114.65 315	PKP	PKPpdf	06 59 20.9	-0.6				
WMQO		XPKP	PKP	06 59 27.9					
WMQO		PP	PP	07 00 23.4	+2.4				
WMQO		PKS	PKS	07 00 24.4	+2.2				
WMQO		SKS	SKS	07 06 29.9	+1.9				
WMQO		PP	PP						
WMQO	comp=Z,40nm,4.6s	LR	LR						
WMQO	comp=N,175nm,19.4s,MS5.0	LR	LR						
WMQO	comp=E,280nm,18.2s,MS5.0	LR	LR						
WMQO	comp=Z,323nm,26.6s	LR	LR						
MKAR	<b>Makanchi Array</b> 119.17 314	PKP	PKPpdf	06 59 28.4	-1.9				
TXAR	<b>Lajitas Array</b> 123.31 88	PKP	PKPpdf	06 59 36.9	-1.8				
SRU	<b>San Rafael</b> 127.57 75	PKP	PKPpdf	06 59 46.2	-0.4				
BVAR	<b>Borovoye Array</b> 128.73 311	PKP	PKPpdf	06 59 47.5	-0.9				
ILAR	<b>Eielson Array</b> 132.79 32	PKP	PKPpdf	06 59 48.4					
ILAR	comp=Z,0.3nm,0.9s,baz=21.3,slow=6.5,SNR=3.2	PKP	PKPpdf	06 59 53.2	-2.7				
ILAR	comp=Z,0.8nm,1.0s,baz=27.0,slow=4.5,SNR=8.5	PKP	PKPpdf	06 59 58.3					
INK	<b>Inuvik</b> 139.04 34	PKP	PKPpdf	07 00 06.8	-0.5				
INK	comp=Z,2.0nm,0.8s,baz=169,slow=1.5,SNR=4.1	PKP	PKPpdf	07 00 07.0	-0.2				
INK	<b>Inuvik</b> 139.04 34	PKP	PKPpdf	07 00 07.0	-0.2				
YKA	<b>Yellowknife Ar</b> 141.81 48	PKP	PKPpdf	07 00 05.6					
YKA	comp=Z,0.7nm,0.9s,baz=225,slow=3.0,SNR=13	PKP	PKPpdf	07 00 11.4	-0.7				
YKA	<b>Yellowknife Ar</b> 141.81 48	PKP	PKPpdf	07 00 05.6					
YKA	comp=Z,0.5nm,0.8s,baz=243,slow=2.0	PKP	PKPpdf	07 00 11.4	-0.7				
YKA	<b>Yellowknife Ar</b> 141.81 48	PKP	PKPpdf	07 00 05.6					
YKA	comp=Z,0.5nm,0.8s,baz=243,slow=2.0	PKP	PKPpdf	07 00 11.4	-0.7				
OBN	<b>Obninsk</b> 144.80 293	PKP	PKPpdf	07 00 20.6					
OBN	comp=Z,43nm,1.3s	PKP	PKPpdf	07 00 15.7	-1.8				
OBN	<b>Obninsk</b> 144.80 293	PKP	PKPpdf	07 00 15.7	-1.8				
OBN	comp=Z,7.1nm,20.0s,MS4.4	PKP	PKPpdf	07 00 17.8	+0.8				
AKASG	<b>Malin Array B</b> 145.74 282	PKP	PKPpdf	07 00 19.2	+1.2				
AKASG	comp=Z,4.9nm,0.8s,baz=108,slow=2.3,SNR=16	PKP	PKPpdf	07 00 19.2	+1.2				
DIVS	<b>Divichare</b> 146.07 266	PKP	PKPpdf	07 00 26.3	+3.0				
KOLS	<b>Kolonichev sedl</b> 148.15 63	PKP	PKPpdf	07 00 47.9					
KOLS		PKP	PKPpdf	07 00 24.5					
FCC	<b>Fort Churchill</b> 148.48 63	PKP	PKPpdf	07 00 24.0					
MNK	<b>Minsk</b> 148.65 287	PKP	PKPpdf	07 00 27.7					
PSZ	<b>Piszkesteto</b> 148.71 271	PKP	PKPpdf	07 00 31.0	+4.4				
VYHS	<b>Vyhne</b> 149.62 271	PKP	PKPpdf	07 00 50.4					
VYHS		PKP	PKPpdf	07 01 04.3					
OJC	<b>Ojcow</b> 150.21 275	PKP	PKPpdf	07 00 31.0	+4.5				
SUW	<b>Suwaiiki</b> 150.68 283	PKP	PKPpdf	07 00 34.0	+6.6				
OKC	<b>Ostrava-Krasne</b> 150.82 300	PKP	PKPpdf	07 00 27.5	+0.3				
JOF	<b>Joensuu</b> 150.94 304	PKP	PKPpdf	07 00 35.4	+5.5				
JOF	comp=Z,5.2nm,0.9s	PKP	PKPpdf	07 00 35.4	+5.5				
MORC	<b>Moravsky Berou</b> 151.09 272	PKP	PKPpdf	07 00 31.4	+3.6				
DPK	<b>Dobruska-Polom</b> 152.06 272	PKP	PKPpdf	07 00 35.4	+6.1				
UPC	<b>Uptic</b> 152.32 272	PKP	PKPpdf	07 00 46.8	+1.0				
GERES	<b>GERES Array B</b> 152.47 267	PKP	PKPpdf	07 00 47.2	+0.7				
GERES	comp=Z,2.2nm,0.8s,baz=135,slow=1.9,SNR=10.0	PKP	PKPpdf	07 00 47.2	+0.7				
RES	<b>Resolute Bay</b> 152.54 31	PKP	PKPpdf	07 00 34.7	+5.4				
FINES	<b>FINESS Array B</b> 152.68 299	PKP	PKPpdf	07 00 35.5	+5.7				
FINES	comp=Z,5.2nm,0.8s,baz=72,slow=6.0,SNR=17	PKP	PKPpdf	07 00 46.8	-0.2				
FINES	comp=Z,4.5nm,0.7s,baz=90,slow=3.8,SNR=6.7	PKP	PKPpdf	07 00 26.0	-4.2				
KHC	<b>Kasperske Hory</b> 152.72 268	PKP	PKPpdf	07 00 41.2					
KHC		PKP	PKPpdf	07 00 52.5	+8.4				
KHC		PKP	PKPpdf	07 00 26.0	-4.2				
KHC	<b>Kasperske Hory</b> 152.72 268	PKP	PKPpdf	07 00 41.2					
KHC		PKP	PKPpdf	07 00 52.5	+5.0				
KHC		PKP	PKPpdf	07 23 58.1	+8.4				
KHC		PKP	PKPpdf	07 23 56.6	+6.6				
KHC		PKP	PKPpdf	07 00 35.4	+5.4				
PRU	<b>Pruhonic</b> 152.75 270	PKP	PKPpdf	07 00 35.4	+5.4				
KAF	<b>Kangasniemi</b> 152.82 300	PKP	PKPpdf	07 00 35.4	+5.4				
KAF	comp=Z,3.4nm,0.8s	PKP	PKPpdf	07 00 35.4	+5.4				
KAF	<b>Kangasniemi</b> 152.82 300	PKP	PKPpdf	07 00 35.4	+5.4				
KAF	comp=Z,3.0nm,0.8s	PKP	PKPpdf	07 24 04.6	+1.1				
PVCC	<b>Panska Ves</b> 153.07 271	PKP	PKPpdf	07 24 13.3	+1.0				
NKC	<b>Novy Kostel</b> 153.97 269	PKP	PKPpdf	07 00 42.2	+1.0				
ESDC	<b>Sonca Array B</b> 154.05 232	PKP	PKPpdf	07 00 52.3	-1.1				
ESDC	comp=Z,0.2nm,0.4s,baz=144,slow=1.2,SNR=4.8	PKP	PKPpdf	07 00 52.3	-1.1				
ESDC	comp=Z,1.5nm,1.1s	PKP	PKPpdf	07 00 38.8	+7.0				
KEV	<b>Kevo</b> 154.26 317	PKP	PKPpdf	07 00 38.8	+7.0				
KEV	comp=Z,15nm,1.1s	PKP	PKPpdf	07 00 38.8	+7.0				
KEV	<b>Kevo</b> 154.26 317	PKP	PKPpdf	07 00 38.8	+7.0				
KEV	comp=Z,15nm,1.1s	PKP	PKPpdf	07 00 38.8	+7.0				
CLL	<b>Colim</b> 154.33 271	PKP	PKPpdf	07 00 33.0	+0.6				
CLL		PKP	PKPpdf	07 00 55.0	+0.8				
CLL		PKP	PKPpdf	07 01 18.0					
CLL		PKP	PKPpdf	07 01 31.0					
MOX	<b>Moxa</b> 154.65 269	PKP	PKPpdf	07 00 58.0	+2.4				
MOX		PKP	PKPpdf	07 00 18.0					
MOX		PKP	PKPpdf	07 28 05.0					
ARCES	<b>ARCES Array B</b> 154.77 317	PKP	PKPpdf	07 00 38.5	+6.1				
ARCES	comp=Z,2.2nm,0.8s,baz=153,slow=3.8,SNR=6.2	PKP	PKPpdf	07 00 38.5	+6.1				
ARCES	<b>ARCES Array B</b> 154.77 317	PKP	PKPpdf	07 00 38.5	+6.1				
ARCES	comp=Z,3.6nm,0.9s,baz=76,slow=7.4,SNR=4.3	PKP	PKPpdf	07 00 53.4	-2.1				
ARCES	<b>ARCES Array B</b> 154.77 317	PKP	PKPpdf	07 00 38.5	+6.1				
ARCES	comp=Z,2.2nm,0.8s,baz=153,slow=3.8,SNR=6.2	PKP	PKPpdf	07 00 53.4	-2.1				
NOA	<b>NORSAR Array B</b> 159.40 293	PKP	PKPpdf	07 01 16.4	+0.7				
NOA	comp=Z,0.1nm,0.5s,baz=104,slow=3.0,SNR=2.9	PKP	PKPpdf	07 01 16.4	+0.7				

MOS 24 07:11:29.5, 1.3, 20.74S, 174.09W, h33km, mb5.3/17, MS4.9/10, Error ellipse: s-maj=13.9km s-min=9.7km az=50.3

BUI 24 07:11:30.1, 20.1, 50.4S, 174.06W, h32km, mb5.4, mb4.8, MS5.2, MS1.9

HRVD 24 07:11:30.5, 0.5, 21.01S, 173.40W, h19km, mb5.1km, MW4.9/43, Centroid moment Tensor Solution. LP body waves: s9,c11;Mantle waves: s43,58; Half duration: O Moment tensor: Scale 10^18Nm; Mr:2.60E+29; Mw:0.2E+18; Mb:2.30E+19; Mo:1.36E+53; Mo:0.52E+14; Mo:0.33E+41; Best double couple: M2:83x10^18 Np1:176; s411; s59; N2:35; s56; s14; Principal axes: T:3.14; P:69; Azm357; N - 617; P:201; P - 2.518, P:68; Azm108; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 24 07:11:30.5, 0.2, 20.74S, 174.05W, mb5.2/33, MS5.0/2 Error ellipse: s-maj=8.4km s-min=4.5km az=137.0

ISC 24 07:11:28.8, 0.2, 20.78S, 0.06, 174.10W, 0.06, h33km, h33km, 6km; p-P, n268, s0592/136, mb4.9/57, MS4.7/25, 29C-2D, Tonga Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	ISC
AFI	<b>Afiama</b>	7.18	18	eP	07 13 06.5	-7.8	
AFI	comp=Z,188nm,1.0s			pmax			
AFI	<b>Afiama</b>	7.18	18	Pn	07 13 07.2	-7.1	
AFI	comp=Z,1.1nm,0.3s,baz=31,slow=12,SNR=17			Sn	07 14 22.4	-13	
AFI	<b>Afiama</b>	7.18	18	ePn	07 13 06.5	-7.9	
AFI	comp=Z,1.4nm,0.3s,baz=94,slow=21,SNR=3.1			Pn	07 13 06.5	-7.9	
RAO	<b>Raoul Island</b>	9.12	202	Pn	07 13 37.1	-4.1	
RAO	comp=Z,224nm,0.3s,baz=102,slow=22,SNR=7.8			Sn	07 15 15.9	-7.8	
RAO	<b>Raoul Island</b>	9.12	202	Pn	07 16 44.7		
RAO	comp=Z,629nm,18.5s,baz=35,slow=35			LR	07 13 39.3	-1.9	
RAO	<b>Raoul Island</b>	9.12	202	eP	07 18 52.5		
RAR	<b>Rarotonga</b>	13.39	94	LR	07 18 52.5		
RAR	comp=Z,18.2nm,18.2s,baz=286,slow=84			LR	07 14 24.1	-15	
RAR	<b>Rarotonga</b>	13.39	94	eP	07 15 43.5	+3.1	
DZM	<b>Mont Dzumac</b>	18.16	262	P	07 21 24.1		
DZM	comp=Z,0.9nm,0.3s,baz=171,slow=20,SNR=9.6			LR	07 21 24.1		
URZ	<b>Ureweira</b>	19.01	202	P	07 15 50.5	0.0	
URZ	comp=Z,2.3nm,0.3s,baz=9.3,slow=7.6,SNR=24			LR	07 21 13.5		
TBI	<b>Tubuai</b>	22.97	101	eLR	07 20 35.0		
TBI	comp=Z,1um,30.5s,baz=274			eLQ	07 21 21.5		
PPT	<b>Papeete</b>	23.88	86	eLQ	07 21 21.5		
PPT	comp=Z,1um,26.2s,baz=244			P	07 17 00.0	-0.5	
RPZ	<b>Rata Peaks</b>	26.01	205	P	07 26 27.7		
RPZ	comp=Z,22nm,0.7s,mb4.8,baz=274,slow=4.1,SNR=7.0			LR	07 26 27.7		
HNR	<b>Honiara</b>	27.43	290	LR	07 27 07.1		
HNR	comp=Z,295nm,20.9s,MS3.8,baz=39,slow=33			LR	07 27 23.4		
TAOE	<b>Nuku Hiva Isla</b>	34.81	75	eLR	07 27 07.1		
RKT	<b>Rikitea</b>	36.29	101	eLR	07 27 23.4		
RKT	comp=Z,867nm,30.2s,baz=267			P	07 18 37.6	-0.5	
CTA	<b>Charters Tower</b>	37.10</					

Table with columns: IMA, Indian Mountai, 87.95, 8 eP, P, 07 24 16.7 +0.5, etc. Includes stations like Neumayer-Watz, Beijing, Dawson, Bilibino, Guiyang, etc.

Table with columns: GZT, Gaziantep, 147.97, 308 i/P, PKPdf, 07 31 13.2 0.0, etc. Includes stations like Boyabat, Corum, BNN, etc.

Table with columns: CABF, La Chapelle, 154.23, 360 i/P, PKPdf, 07 31 28.4 +6.1, etc. Includes stations like Calviac, Ste Jean, Etsu, etc.



Best double couple:  $M_1: 1.998 \times 10^{16}$   $NP1: 321^\circ, 871^\circ, 1.166^\circ$   $NP2: 55^\circ, 876^\circ, 1.19^\circ$   $Principal axes: T: 1.998$ ,  $Plg23^\circ$ ,  $Azm279^\circ$ ;  $N: 0.01$ ,  $Plg67^\circ$ ;  $P: 1.999$ ,  $Plg3^\circ$ ,  $Azm187^\circ$ ;  $nsta1$  refers to body waves,  $cutoff=40s$ .  $nsta2$  refers to surface waves,  $cutoff=50s$ .  
 NEIC 24 09:19:38.1±0.2, 1.82±0.9, mb4.9/19 Error ellipse:  $s-maj=7.4km$   $s-min=4.8km$   $az=223.0$   
 NEIC Felt (III) at Padang, Sumatra.  
 ISC 24 09:19:36.2±0.3, 1.84±0.9, mb4.9±0.04, h30km,  $h30km_{min}, 6km_{min}, pP-P, n170, \sigma114/17, mb4.8/56, MS4/2/13, 9C-10D, Southern Sumatra$

Code	Station Name	Lat	AZ	Phase ID	ISC	Time	Res
						h m s	ISC
PPI	Padang Panjang	1.45	19	Op	Pn	09 19 59.0	-1.9
PPI				eS	Sn	09 20 20.0	+0.9
KGM	Kluang	5.12	42	P	Pn	09 20 55.8	+2.8
PENI	Pendagan	6.42	125	iP	Pn	09 21 11.0	-0.4
PENI				pmax	pmax		
PENI	comp=Z,242nm,0.5s						
PENI	Pendagan	6.42	125	iP	Pn	09 21 11.0	-0.4
PENI	comp=Z,224nm,0.6s						
IPH		6.47	10	P	Pn	09 21 12.4	+0.3
KULM	Kulim	7.12	60	eP	Pn	09 21 20.6	-0.6
KULM				eS	rx	09 23 19.5	
PASI	Pasiripis	7.43	131	iP	Sn	09 21 25.5	-0.1
PASI				eS	Sn	09 22 43.4	-6.4
PULI	Pulasari	7.52	127	iP	Pn	09 21 25.9	-0.9
SNG	Songkhla	8.98	4	P	P	09 21 48.0	+0.9
KSM	Kuching	10.90	73	P	P	09 22 12.9	-0.7
SRDI	Scrawed	15.62	115	iP	P	09 23 15.1	-1.2
SRDI				pmax	pmax		
SRDI	comp=Z,65nm,0.2s						
SRDI	Scrawed	15.62	115	iP	P	09 23 15.1	-1.2
SRDI	comp=Z,130nm,0.2s						
KELI	Kelakatang	15.84	114	iP	P	09 23 20.2	+1.1
RATI	Rata	16.98	114	iP	P	09 23 33.7	+0.2
KEDI	Kedemdong	17.43	113	iP	P	09 23 40.4	+1.3
KEDI							
KKM	Kota Kinabatu	18.06	64	eP	P	09 23 46.8	-0.3
KKM				eS	P	09 23 49.7	+2.5
TANI	Tanete Lujupan	19.51	95	iP	P	09 24 03.9	-0.4
NINI	Niniconang	19.98	98	eP	P	09 24 12.4	+3.0
CM31	Chiang Mai Arr	20.19	357	eP	P	09 24 09.6	-2.0
CM31				eS	P	09 24 18.7	
CMAR	Chiang Mai Arr	20.19	357	eP	P	09 24 08.8	-2.8
CMAR				eS	P	09 24 18.9	
CMAR	comp=Z,4.2nm,0.8s,baz=184,slow=9.8,SNR=19						
NANT	Nan	20.52	2	iP	P	09 24 12.5	-2.5
NANT							
NANT	comp=Z,112nm,0.7s						
CHG	Chiang Mai	20.54	357	P	P	09 24 26.5	+1.1
CHG							
CHG	comp=Z,11nm,0.9s						
PALK	Pallekele	21.20	295	eP	P	09 24 22.7	+0.7
PALK				eS	P	09 24 24.1	
PALK	comp=Z,24nm,1.0s,mb4.5						
QIZ	Qiongzong	22.92	25	LR	LR	09 24 38.8	-0.4
QIZ							
QIZ	comp=N,328nm,11.5s,MS4.3						
QIZ				LR	LR		
QIZ	comp=E,595nm,13.7s,MS4.3						
QIZ				LR	LR		
VIS	Vishakhapatnam	25.39	321	eP	P	09 25 12.6	+1.0
VIS				eS	P	09 25 19.5	+2.2
KMI	Kunming	26.94	6	AP	S	09 25 41.1	+6.4
KMI				S	S	09 25 57.4	+6.8
KMI				AMB	AMB		
KMI	comp=Z,12nm,0.5s,mb4.7						
KMI				AMB	AMB		
KMI	comp=Z,95nm,4.2s						
KMI				LR	LR		
KMI	comp=N,287nm,14.4s,MS4.3						
KMI				LR	LR		
KMI	comp=E,469nm,12.9s,MS4.3						
KMI				LR	LR		
KMI	comp=Z,386nm,16.8s,MS4.0						
KMI				LR	LR		
KMI	Kunming	26.94	6	P	P	09 25 19.5	+2.2
KMI							
KMI	comp=Z,12nm,0.5s,mb4.7						
KMI				pP	P	09 25 28.1	+2.2
KMI				S	S	09 29 57.4	+6.8
KMI				SS	SS		
KMI				LR	LR		
KMI	comp=Z,390nm,16.8s,MS4.0						
MBWA	Marble Bar	27.24	136	P	P	09 25 20.3	+0.3
MBWA							
MBWA	comp=Z,16nm,1.1s,mb4.5						
SHL	Shilong	28.33	345	eP	P	09 25 30.0	+0.2
SHL				eS	P	09 25 39.5	+1.7
KIA	Guiyang	28.88	13	AP	S	09 25 41.1	+6.4
GYA				XP	S	09 25 50.3	+6.9
GYA				e	AMB	09 25 54.4	+7.1
GYA				AMB	AMB		
GYA	comp=Z,20nm,0.8s,mb4.9						
GYA				LR	LR		
GYA	comp=N,610nm,14.1s,MS4.4						
GYA				LR	LR		
GYA	comp=E,420nm,14.5s,MS4.4						
GYA				LR	LR		
GYA	comp=Z,580nm,14.8s,MS4.3						
FITZ	Fitzroy Crossi	29.97	124	eP	P	09 25 44.2	-0.5
FITZ				eS	P	09 25 52.8	-0.6
FITZ	Fitzroy Crossi	29.97	124	P	P	09 25 44.3	-0.4
FITZ				e	P	09 25 52.9	-0.5
FITZ	comp=Z,68nm,0.9s,baz=281,slow=5.2,SNR=18						
FITZ				pP	P	09 25 52.9	-0.5
FITZ	comp=Z,21nm,0.9s,mb4.8,baz=286,slow=4.8,SNR=11						
FITZ				pP	P	09 25 52.9	-0.5
FITZ	comp=Z,68nm,0.9s,baz=281,slow=5.2,SNR=18						
JIRN	Jiri	32.16	337	eP	P	09 26 05.5	+1.7
JIRN				eS	P	09 26 07.3	+1.9
PKI	Pulchoki	32.40	335	eP	P	09 26 07.3	+1.9
PKI				eS	P	09 26 08.0	0.0
PKI	comp=Z,27nm,0.8s,mb5.1						
GUN	Gumba	32.51	336	eP	P	09 26 07.3	+1.9
GUN				eS	P	09 26 08.0	0.0
GUN	comp=Z,81nm,0.5s						
DMN	Daman	32.56	335	eP	P	09 26 08.1	+0.8
DMN				eS	P	09 26 08.0	0.0
DMN	Kakani	32.65	335	eP	P	09 26 08.0	0.0
DMN				eS	P	09 26 11.3	-0.7
GKN	Gorkha	33.10	335	eP	P	09 26 11.3	-0.7
GKN				eS	P	09 26 14.3	+0.1
KOLN	Koldanda	33.36	333	eP	P	09 26 14.3	+0.1
KOLN				eS	P	09 26 28.8	+3.0
MUN	Mundaring	33.69	155	eP	P	09 26 28.8	+3.0
MUN				eS	P	09 26 31.7	+2.7
KLBR	Kellerberrin	34.05	152	eP	P	09 26 31.7	+2.7
KLBR				eS	P	09 26 39.1	+2.5
NWAO	Narrogin (SRO)	34.94	154	eP	P	09 26 39.1	+2.5
NWAO				eS	P	09 26 39.1	+2.5
NWAO	Narrogin (SRO)	34.94	154	eP	P	09 26 40.0	+2.5
NWAO				eS	P	09 26 40.0	+2.5
XAN	Xi'an	36.68	13	AP	S	09 26 49.0	-2.3
XAN				XP	S	09 26 49.0	-2.3
XAN				AMB	AMB		
XAN	comp=Z,8.0nm,0.6s,mb4.7						
XAN				LR	LR		
XAN	comp=N,223nm,11.2s,MS4.3						
XAN				LR	LR		
XAN	comp=E,295nm,14.8s,MS4.3						
XAN				LR	LR		
XAN	comp=Z,347nm,11.8s,MS4.4						
XAN				P	P	09 26 54.2	-0.8
XAN	comp=Z,3.0nm,0.4s,mb4.4,baz=308,slow=9.2,SNR=61						
XAN				pP	P	09 27 03.3	-0.6
XAN	comp=Z,8.5nm,0.4s,baz=304,slow=9.0,SNR=15						
XAN				S	S	09 32 41.6	-4.3
WRAB	Warramunga Arr	38.15	121	eP	P	09 26 54.7	-0.3
WRAB				eS	P	09 26 54.7	-0.4
WRAB	comp=Z,55nm,1.1s,mb5.2						
WRAB	Tennant Creek	38.15	121	eP	P	09 26 54.7	-0.3
WRAB				eS	P	09 26 54.7	-0.4
WRAB	comp=Z,55nm,1.1s,mb5.2						
WRAB	Warramunga Arr	38.16	121	iP	P	09 26 54.9	-0.2
WB2				pP	P	09 27 04.5	+0.6
NJ2	Nanjing	38.19	26	eP	P	09 27 09.6	+4.7
NJ2				AP	S	09 27 09.6	+4.5
NJ2				pP	P	09 27 13.8	+6.0
NJ2				AMB	AMB		
NJ2	comp=Z,20nm,0.9s,mb4.8						
NJ2				AMB	AMB		
NJ2	comp=Z,600nm,4.8s						
NJ2				LR	LR		
NJ2	comp=N,620nm,21.5s,MS4.7						
NJ2				LR	LR		
NJ2	comp=E,960nm,20.0s,MS4.7						
NJ2				LR	LR		
SSE	Sheshan	38.50	30	eP	P	09 27 03.0	+5.2
SSE				AP	P	09 27 12.8	+6.1
SSE				XP	P	09 27 16.9	+6.5

SSE	comp=Z,24nm,0.7s,mb5.0	AMB	AMB
SSE	comp=Z,35nm,3.5s	AMB	AMB
SSE	comp=N,177nm,23.5s,MS4.1	LR	LR
SSE	comp=E,268nm,23.5s,MS4.1	LR	LR
SSE	comp=Z,254nm,11.9s	LR	LR
FORT	Forrest	39.22 140	eP
FORT			pP
FORT	comp=Z,740nm,0.9s		P
ASPA	Alice Springs	39.41 126	eP
ASPA			pP
ASPA			P
ASPA			eS
ASAR	Alice Springs	39.42 126	P
ASAR			*PP
ASAR			













Table with columns for station name, coordinates, and various parameters. Includes stations like Gaotai, Kakado, Baotou, Hu-ho-hao-te, Beijing, Urumqi, Waramunga Arr, Alice Springs, etc.

Table with columns for station name, coordinates, and various parameters. Includes stations like Zalesovo, Stephens Creek, Borovoye Array, Borovoye Arr, Kul'dur, Bodaibo, Asahikawa, Kilima Mbojo, etc.

Table with columns for station name, coordinates, and various parameters. Includes stations like Kevo, Kevo, ARCES ARCESS Array B, ARCES ARCESS Array B, BRG Berggiesshubel, etc.

NEIC 24 11:14:35.0, 1.2, 22.78N, 70.18E, h10km, Error ellipse: s-maj=34.0km s-min=13.0km az=222.0

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Bhuj, BHJ, BHJ, BHJ, etc.

IDC 24 11:31:35.1, 4.8, 0.44S, 101.06E, mb3.7/4, mb1 3.9/4, mb1mx3.5/18, mbtmt3.7/4, Error ellipse: s-maj=253.9km s-min=23.3km az=54.0, Southern Sumatara

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Waramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

Centroid moment Tensor Solution. LP body waves. s12.c16; Mantle waves: s35.c41; Half duration: 0. Moment tensor: Scale 10<sup>10</sup>Nm; Mir-1.07z.17; Mw0.19z.18; Mw0.88z.13; M1.1.49z.61; Mw0.19z.14; Mw1.15z.50; Best double couple: M2.333x10<sup>16</sup> NP1.1b.186°. 814°. λ-12z. NP2.41°. δ78°. λ-82°. Principal axes: T 2.18, Plg33°, Azm124°; N 3.08, Plg8°. Azm219°; P 2.486, Plg65°, Azm322°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 24 11:43:49.9.0.4.32.775s.178.59W, h10km, mb4.9/9 Error ellipse: s-maj=13.5km s-min=6.9km az=107.0°  
 IDC 24 11:43:54.5.0.32.692s.179.091h34km,22km,mb4.5/7, mb1.4/7.8,mb1mx4.3/17,mbtmp4.7/8,ML4.7/1,MS4.2/11, MS1.4/2.11,ms1mx3.9/25,Error ellipse: s-maj=31.0km s-min=17.4km az=157.0°

ISC 24 11:43:50.9.0.6.32.985s.0.05:178.9W.0.1,h10km (h9km,1.4km,p-P)n93,r1310/73,mb4.7/12,MS4.3/12, 4C-2D, South of Kermadec Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
h	m	s	ISC			
RAO	Raoul Island	3.81	13	Op	11 44 44.5	-6.5
MXZ	Matakaoa Point	5.10	205	eP	11 45 09.6	+0.3
MXZ	Matakaoa Point	5.10	205	eP	11 45 09.2	-0.1
MXZ	Matakaoa Point	5.10	205	eP	11 46 13.8	+4.8
MXZ	Matakaoa Point	5.10	205	eP	11 49 54.5	+0.2
PUZ	Puketiti	5.58	203	eP	11 45 15.9	0.0
PUZ	Puketiti	5.58	203	eP	11 46 25.6	+4.7
MWZ	Matawai	6.07	207	eP	11 45 23.0	+0.1
MWZ	Matawai	6.07	207	eP	11 46 36.8	+3.5
MWZ	Matawai	6.07	207	eP	11 45 21.6	-1.3
MWZ	Matawai	6.07	207	eP	11 46 36.7	+3.4
URZ	Urewera	6.18	210	Pn	11 45 26.4	+2.0
URZ	Urewera	6.18	210	Pn	11 46 40.1	+4.2
URZ	Urewera	6.18	210	Pn	11 45 24.3	-0.1
URZ	Urewera	6.18	210	Pn	11 45 24.2	-0.3
URZ	Urewera	6.18	210	Pn	11 46 36.3	+0.4
OUZ	Omahuta	6.59	248	eP	11 45 36.3	+6.1
KNZ	Kokohu	6.63	204	eP	11 45 30.5	-0.3
KNZ	Kokohu	6.63	204	eP	11 46 47.4	+0.2
KNZ	Kokohu	6.63	204	eP	11 45 30.3	+0.5
KNZ	Kokohu	6.63	204	eP	11 46 46.9	-0.2
BKZ	Black Stump Fm	7.20	210	Pn	11 45 39.0	+0.2
BKZ	Black Stump Fm	7.20	210	Pn	11 47 02.9	+1.4
BKZ	Black Stump Fm	7.20	210	eP	11 45 38.8	-0.2
BKZ	Black Stump Fm	7.20	210	eP	11 47 02.9	+1.2
FWVZ	Far West T-bar	7.69	214	eP	11 45 47.2	+1.5
BFZ	Birch Farm	8.60	205	SN	11 47 33.1	-3.4
PAWZ	Paruru Farm	9.52	207	SN	11 47 53.5	-5.6
TCW	Tory Channel	9.84	211	SN	11 48 00.7	-6.5
TUWZ	Tuamarina	10.17	212	SN	11 48 08.9	-6.2
THZ	Tophouse	10.91	214	SN	11 48 25.7	-4.6
THZ	Tophouse	10.91	214	SN	11 48 26.4	-6.8
KHZ	Kahutara	11.15	210	SN	11 48 27.2	-1.2
LTZ	Lake Taylor	12.00	213	eP	11 46 41.2	-3.7
LTZ	Lake Taylor	12.00	213	eP	11 48 49.4	-1.0
MOZ	McQueen's Vall	12.58	209	SN	11 49 02.5	-11
RPZ	Rata Peaks	13.28	213	Pn	11 46 56.6	-5.4
RPZ	Rata Peaks	13.28	213	Pn	11 49 21.6	-9.2
DZM	Mont Dzumac	16.90	306	Pn	11 47 54.0	+4.9
DZM	Mont Dzumac	16.90	306	Pn	11 50 09.9	0.0
DZM	Mont Dzumac	16.90	306	Pn	11 53 09.9	0.0
AFI	Afiamau	20.07	21	eP	11 48 20.9	-6.4
TBI	Tubuai	27.62	77	eLR	11 55 25.7	0.0
TBI	Tubuai	27.62	77	eLR	11 56 05.1	0.0
PPT	Papeete	30.53	67	eLR	11 55 59.2	0.0
PPT	Papeete	30.53	67	eLR	11 57 23.7	0.0
STKA	Stephens Creek	33.20	261	eP	11 50 31.0	+1.0
STKA	Stephens Creek	33.20	261	eP	11 50 31.2	+1.2
STKA	Stephens Creek	33.20	261	eP	11 50 31.2	+1.2
CTA	Charters Tower	33.53	284	eP	11 50 34.1	+1.2
CTA	Charters Tower	33.53	284	eP	11 50 33.3	+0.4
CTA	Charters Tower	33.53	284	eP	11 50 33.9	+1.0
PMG	Port Moresby	39.08	299	LR	12 05 09.9	0.0
RKT	Rikitea	39.78	87	eLR	12 01 46.2	0.0
ASAR	Alice Springs	42.25	270	P	11 51 46.1	+0.1
ASAR	Alice Springs	42.25	270	P	11 58 05.8	-0.4
ASAR	Alice Springs	42.25	270	P	12 08 58.3	0.0
ASPA	Alice Springs	42.25	270	eP	11 51 46.0	0.0
WB2	Warramunga Arr	43.46	275	eP	11 51 55.6	-0.3
WRAB	Tennant Creek	43.47	275	eP	11 51 55.6	-0.4
WRA	Warramunga Arr	43.47	275	P	11 51 55.6	-0.4
WRA	Warramunga Arr	43.47	275	P	11 57 32.9	0.0
SBA	Scott Base	45.42	184	P	11 52 10.9	-0.1
VNDA	Vanda	45.46	186	LR	12 07 59.3	0.0
KAKA	Kakadu	48.66	283	eP	11 52 36.1	-1.1
FITZ	Fitzroy Crossi	51.61	272	eP	11 52 59.2	-0.6
FITZ	Fitzroy Crossi	51.61	272	eP	11 52 58.8	-1.0
FITZ	Fitzroy Crossi	51.61	272	eP	12 14 03.0	0.0
CASY	Casey	52.50	209	eP	11 53 05.7	-0.1
QSPA	South Pole Qui	57.14	180	eP	11 53 40.1	+0.6
MAW	Mawson	69.62	201	P	11 55 03.2	+1.4
MAW	Mawson	69.62	201	P	12 23 09.1	0.0
SYO	Syowa Base	74.43	193	Op	11 55 28.8	-1.5
SYO	Syowa Base	74.43	193	Op	11 55 31.4	-2.0
SNA	Sanae	75.61	179	Op	11 55 38.6	+1.6
VNA3	Neumayer Olymp	75.79	176	eP	11 55 40.6	+2.5
VNA3	Neumayer Olymp	75.79	176	eP	11 55 45.5	+7.4
VNA3	Neumayer Olymp	75.79	176	eP	11 55 37.2	-0.9
VNA3	Neumayer Olymp	75.79	176	eP	11 55 40.6	+0.6
VNA3	Neumayer-Watz	76.22	177	eP	11 55 45.5	0.0
VNA2	Neumayer-Watz	76.22	177	eP	11 55 47.2	+6.7
VNA2	Neumayer-Watz	76.22	177	eP	11 55 39.3	-1.2
VNA2	Neumayer-Watz	76.22	177	eP	11 55 47.2	+1.0
VNA1	Neumayer-Stat	76.45	177	eP	11 55 47.0	+5.2
VNA1	Neumayer-Stat	76.45	177	eP	11 55 39.8	-2.0
VNA1	Neumayer-Stat	76.45	177	eP	11 55 47.0	0.0
JOW	Kunigami	77.82	313	LR	12 26 40.0	0.0
PLCA	Paso Flores	81.33	133	LR	12 25 17.5	0.0
NVAR	Mina Array Bea	90.66	43	P	11 56 52.9	-2.0
NVAR	Mina Array Bea	90.66	43	P	11 56 52.9	-2.0
CN2	Changchun	91.72	323	eP	11 57 00.0	+0.4
KMI	Kunming	94.27	297	P	11 57 13.3	+1.5
KMI	Kunming	94.27	297	P	11 57 15.5	+0.4
KMI	Kunming	94.27	297	P	12 08 26.6	+6.3
KMI	Kunming	94.27	297	P	12 14 49.6	+4.0
KMI	Kunming	94.27	297	P	11 57 13.3	+1.5
KMI	Kunming	94.27	297	P	11 57 15.5	+0.4
KMI	Kunming	94.27	297	P	12 08 26.6	+6.3
KMI	Kunming	94.27	297	P	12 14 49.6	+4.0

KMI	Kunming	94.27	297	P	11 57 13.3	+1.5
KMI	Kunming	94.27	297	P	11 57 15.5	+0.4
KMI	Kunming	94.27	297	P	12 08 26.6	+6.3
KMI	Kunming	94.27	297	P	12 14 49.6	+4.0
KMI	Kunming	94.27	297	P	11 57 13.3	+1.5
KMI	Kunming	94.27	297	P	11 57 15.5	+0.4
KMI	Kunming	94.27	297	P	12 08 26.6	+6.3
KMI	Kunming	94.27	297	P	12 14 49.6	+4.0
KMI	Kunming	94.27	297	P	11 57 13.3	+1.5
KMI	Kunming	94.27	297	P	11 57 15.5	+0.4
KMI	Kunming	94.27	297	P	12 08 26.6	+6.3
KMI	Kunming	94.27	297	P	12 14 49.6	+4.0
KMI	Kunming	94.27	297	P	11 57 13.3	+1.5
KMI	Kunming	94.27	297	P	11 57 15.5	+0.4
KMI	Kunming	94.27	297	P	12 08 26.6	+6.3
KMI	Kunming	94.27	297	P	12 14 49.6	+4.0
KMI	Kunming	94.27	297	P	11 57 13.3	+1.5
KMI	Kunming	94.27	297	P	11 57 15.5	+0.4
KMI	Kunming	94.27	297	P	12 08 26.6	+6.3
KMI	Kunming	94.27	297	P	12 14 49.6	+4.0
KMI	Kunming	94.27	297	P	11 57 13.3	+1.5
KMI	Kunming	94.27	297	P	11 57 15.5	+0.4
KMI	Kunming	94.27	297	P	12 08 26.6	+6.3
KMI	Kunming	94.27	297	P	12 14 49.6	+4.0
KMI	Kunming	94.27	297	P	11 57 13.3	+1.5
KMI	Kunming	94.27	297	P	11 57 15.5	+0.4
KMI	Kunming	94.27	297	P	12 08 26.6	+6.3
KMI	Kunming	94.27	297	P	12 14 49.6	+4.0
KMI	Kunming	94.27	297	P	11 57 13.3	+1.5
KMI	Kunming	94.27	297	P	11 57 15.5	+0.4
KMI	Kunming	94.27	297	P	12 08 26.6	+6.3
KMI	Kunming	94.27	297	P	12 14 49.6	+4.0
KMI	Kunming	94.27	297	P	11 57 13.3	+1.5
KMI	Kunming	94.27	297	P	11 57 15.5	+0.4
KMI	Kunming	94.27	297	P	12 08 26.6	+6.3
KMI	Kunming	94.27	297	P	12 14 49.6	+4.0
KMI	Kunming	94.27	297	P	11 57 13.3	+1.5
KMI	Kunming	94.27	297	P	11 57 15.5	+0.4
KMI	Kunming	94.27	297	P	12 08 26.6	+6.3
KMI	Kunming	94.27	297	P	12 14 49.6	+4.0
KMI	Kunming	94.27	297	P	11 57 13.3	+1.5
KMI	Kunming	94.27	297	P	11 57 15.5	+0.4
KMI	Kunming	94.27	297	P	12 08 26.6	+6.3
KMI	Kunming	94.27	297	P	12 14 49.6	+4.0
KMI	Kunming	94.27	297	P	11 57 13.3	+1.5
KMI	Kunming	94.27	297	P	11 57 15.5	+0.4
KMI	Kunming	94.27	297	P	12 08 26.6	+6.3
KMI	Kunming	94.27	297	P	12 14 49.6	+4.0
KMI	Kunming	94.27	297	P	11 57 13.3	+1.5
KMI	Kunming	94.27	297	P	11 57 15.5	+0.4
KMI	Kunming	94.27	297	P	12 08 26.6	+6.3
KMI	Kunming	94.27	297	P	12 14 49.6	+4.0
KMI	Kunming	94.27	297	P	11 57 13.3	+1.5
KMI	Kunming	94.27	297	P	11 57 15.5	+0.4
KMI	Kunming	94.27	297	P	12 08 26.6	+6.3
KMI	Kunming	94.27	297	P	12 14 49.6	+4.0
KMI	Kunming	94.27	297	P	11 57 13.3	+1.5
KMI	Kunming	94.27	297	P	11 57 15.5	+0.4
KMI	Kunming	94.27	297	P	12 08 26.6	+6.3
KMI	Kunming	94.27	297	P	12 14 49.6	+4.0
KMI	Kunming	94.27	297	P	11 57 13.3	+1.5
KMI	Kunming	94.27	297	P	11 57 15.5	+0.4
KMI	Kunming	94.27	297	P	12 08 26.6	+6.3
KMI	Kunming	94.27	297	P	12 14 49.6	+4.0
KMI	Kunming	94.27	297	P	11 57 13.3	+1.5
KMI	Kunming	94.27	297	P	11 57 15.5	+0.4
KMI	Kunming	94.27	297	P	12 08 26.6	+6.3
KMI	Kunming	94.27	297	P	12 14 49.6	+4.0
KMI	Kunming	94.27	297	P	11 57 13.3	+1.5
KMI	Kunming	94.27	297	P	11 57 15.5	+0.4
KMI	Kunming	94.27	297	P	12 08 26.6	+6.3
KMI	Kunming	94.27	297	P	12 14 49.6	+4.0
KMI	Kunming	94.27	297	P	11 57 13.3	+1.5
KMI	Kunming	94.27	297	P	11 57 15.5	+0.4
KMI	Kunming	94.27	297	P	12 08 26.6	+6.3
KMI	Kunming	94.27	297			

24d 12h

Table with columns for station name, time, and various codes. Includes stations like GZH, JKE, JOW, SSE, etc.

2005 APR

Table with columns for station name, time, and various codes. Includes stations like MDJ, XP, S, S, etc.

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Table with columns for station name, time, and various codes. Includes stations like IMA, OBN, MCK, COLA, etc.

KNET 24 12:36:48.7:0.6,41.43N:72.92E,h7km,2km,m12,1,Error ellipse: s-maj=4.5km s-min=3.2km az=130.0 NNC 24 12:36:49.3:9.8,41.39N:72.67E,h13km,69km,mpv2.8, Error ellipse: s-maj=63.3km s-min=37.3km az=154.0 ISC 24 12:36:48.6:1.5,41.41N:0.1:72.69E:0.09,10km,n9, Code Station Name Az Op Phase ID Time Res h m s ISC









ellipso: s-maj=3.2km s-min=2.7km az=115.0  
 ROM 24 18:34:59.3,0.4, 45.54N-14.26E, h6km,2km, Mdz,9/7,  
 M4,1/18, Error ellipse: s-maj=5.0km s-min=2.9km az=14.0  
 PDG 24 18:34:00.6,0.5, 45.54N-14.22E, h7km  
 LJU 24 18:34:00.2, 45.56N-14.27E, h16km, ML3.8  
 CSEM 24 18:34:00.6,0.0, 45.59N-14.25E, h12km, mb3.7/1,  
 ML4.5/26, Error ellipse: s-maj=1.0km s-min=0.6km  
 az=11.0  
 IDC 24 18:34:01.8, 1.0, 45.62N-14.39E, mb3.7/6, mb1 3.9/16,  
 mb1 mx3.8/30, mbmp3.7/16, ML3.8/9, MS3.3/8, MS1 3.3/8,  
 ms1 mx3.0/40, Error ellipse: s-maj=12.0km s-min=10.4km  
 az=49.0  
 NEIC 24 18:34:01.8, 0.1, 45.57N-14.25E, h10km, mb3.8/3,  
 MD4.5(PDG), ML4.4(VIE), ML4.2(STR), ML3.8(LJU),  
 ML3.8(BRG), ML4.2(ROM), ML4.3(LDG), Error ellipse:  
 s-maj=1.8km s-min=1.7km az=11.0  
 NEIC Felt in central and southern Slovenia. Also felt at Rijeka,  
 Croatia and Trieste, Italy.  
 ZUR\_RM 24 18:34:01, 45.57N-14.25E, h9km, Mw4.1/33, Moment  
 Tensor Solution. s33 Moment tensor: Scale 10<sup>19</sup>Nm;  
 M<sub>11</sub>-0.23; M<sub>22</sub>-1.03; M<sub>33</sub>1.26; M<sub>44</sub>0.11; M<sub>55</sub>0.92; M<sub>66</sub>0.21;  
 Best double couple: M<sub>11</sub>1.48x10<sup>15</sup> Np1.64°, s86°, 1.6°;  
 NP2s=334°, s84°, 1.17°. Principal axes: T1.61°, P1g7°,  
 Azm289°; N-.256, Plg25°, Azm95°; P-1.355, Plg2°,  
 Azm199°;

Northwestern Balkan Peninsula

Code	Station Name	AZ	Phase	ID	Time	Res
CEY	Cerknica	0.20 37	U/Pg	ISC	h m s	ISC
CEY	Cerknica	0.20 37	U/Pg	ISC	18 34 05.3	+0.6
CEY	Cerknica	0.20 37	ePg	ISC	18 34 08.7	+1.0
JAVS	Javornik	0.34 336	U/Pg	ISC	18 34 08.0	+0.6
JAVS	Javornik	0.34 336	ePg	ISC	18 34 13.7	+1.5
JAVS	Javornik	0.34 336	U/Pg	ISC	18 34 08.0	+0.6
JAVS	Javornik	0.34 336	ePg	ISC	18 34 13.7	+1.5
TRI	Trieste	0.37 290	U/Pg	ISC	18 34 08.3	+0.3
TRI	Trieste	0.37 290	ePg	ISC	18 34 14.4	+1.3
TRI	Trieste	0.37 290	U/Pg	ISC	18 34 08.3	+0.3
TRI	Trieste	0.37 290	ePg	ISC	18 34 14.2	+1.1
VISS	Visnje	0.46 61	U/Pg	ISC	18 34 10.2	+0.5
VISS	Visnje	0.46 61	ePg	ISC	18 34 16.8	+0.8
VISS	Visnje	0.46 61	U/Pg	ISC	18 34 10.2	+0.5
VISS	Visnje	0.46 61	ePg	ISC	18 34 16.8	+0.7
LJU	Ljubljana	0.50 22	U/Pg	ISC	18 34 10.9	+0.5
LJU	Ljubljana	0.50 22	ePg	ISC	18 34 18.8	+1.6
LJU	Ljubljana	0.50 22	U/Pg	ISC	18 34 10.9	+0.5
LJU	Ljubljana	0.50 22	ePg	ISC	18 34 18.8	+1.6
VOJS	Vojsko	0.52 330	U/Pg	ISC	18 34 18.8	+1.6
VOJS	Vojsko	0.52 330	ePg	ISC	18 34 11.2	+0.3
BOJANS	Bojanci	0.70 96	U/Pg	ISC	18 34 19.6	+1.6
BOJANS	Bojanci	0.70 96	ePg	ISC	18 34 14.1	-0.3
BOJANS	Bojanci	0.70 96	U/Pg	ISC	18 34 23.6	-0.3
BOJANS	Bojanci	0.70 96	ePg	ISC	18 34 14.1	-0.3
BOJANS	Bojanci	0.70 96	U/Pg	ISC	18 34 23.6	-0.3
BOJANS	Bojanci	0.70 96	ePg	ISC	18 34 23.6	-0.3
PDKS	Podkum	0.70 47	U/Pg	ISC	18 34 14.6	+0.1
DRE	Drenchia	0.73 324	U/Pg	ISC	18 34 14.6	-0.5
DRE	Drenchia	0.73 324	ePg	ISC	18 34 26.1	+1.2
DRE	Drenchia	0.73 324	U/Pg	ISC	18 34 14.5	+0.1
DRE	Drenchia	0.73 324	ePg	ISC	18 34 14.8	-0.5
CADS	Cadrg	0.74 331	U/Pg	ISC	18 34 15.0	-0.6
GORS	Gorjuse	0.76 346	U/Pg	ISC	18 34 15.0	-0.6
GORS	Gorjuse	0.76 346	ePg	ISC	18 34 27.2	+1.4
GORS	Gorjuse	0.76 346	U/Pg	ISC	18 34 15.0	-0.5
GORS	Gorjuse	0.76 346	ePg	ISC	18 34 27.2	+1.5
LEGS	Legarje	0.83 63	U/Pg	ISC	18 34 16.7	-0.2
LEGS	Legarje	0.83 63	ePg	ISC	18 34 29.9	+1.9
LEGS	Legarje	0.83 63	U/Pg	ISC	18 34 16.7	-0.2
LEGS	Legarje	0.83 63	ePg	ISC	18 34 29.3	-0.2
ROBS	Robic	0.84 322	U/Pg	ISC	18 34 16.4	-0.9
ROBS	Robic	0.84 322	ePg	ISC	18 34 16.8	-0.9
ROBS	Robic	0.84 322	U/Pg	ISC	18 34 29.5	+0.9
ROBS	Robic	0.84 322	ePg	ISC	18 34 17.4	-0.4
ROBS	Robic	0.84 322	U/Pg	ISC	18 34 17.7	-0.3
ROBS	Robic	0.84 322	ePg	ISC	18 34 29.3	-0.3
CRES	Cresnjevo	0.87 73	U/Pg	ISC	18 34 17.6	-0.2
CRES	Cresnjevo	0.87 73	ePg	ISC	18 34 29.3	-0.2
CRES	Cresnjevo	0.87 73	U/Pg	ISC	18 34 17.3	-0.6
CRES	Cresnjevo	0.87 73	ePg	ISC	18 34 17.0	-0.1
TLI	Talmassons	0.88 293	U/Pg	ISC	18 34 19.2	-0.1
TLI	Talmassons	0.88 293	ePg	ISC	18 34 19.2	-0.1
OBKA	Obkir	0.95 12	U/Pg	ISC	18 34 31.4	-0.6
OBKA	Obkir	0.95 12	ePg	ISC	18 34 18.5	-1.2
BAD	Bernadina	0.97 313	U/Pg	ISC	18 34 18.6	+0.0
BAD	Bernadina	0.97 313	ePg	ISC	18 34 20.2	0.0
GMNA	Gemona	0.99 314	U/Pg	ISC	18 34 37.3	+3.7
GMNA	Gemona	0.99 314	ePg	ISC	18 34 19.8	-0.5
GCSIS	Gornji Cirknik	1.00 73	U/Pg	ISC	18 34 20.3	-0.6
GCSIS	Gornji Cirknik	1.00 73	ePg	ISC	18 34 19.9	-0.8
BUA	Buia	1.02 309	U/Pg	ISC	18 34 36.6	+2.3
BUA	Buia	1.02 309	ePg	ISC	18 34 20.6	+1.3
DOBS	Dobrina	1.02 56	U/Pg	ISC	18 34 19.9	-0.8
DOBS	Dobrina	1.02 56	ePg	ISC	18 34 35.7	+1.3
LSR	Lussari	1.03 331	U/Pg	ISC	18 34 20.2	-0.8
LSR	Lussari	1.03 331	ePg	ISC	18 34 36.6	+1.9
LSR	Lussari	1.03 331	U/Pg	ISC	18 34 19.9	-0.5
LSR	Lussari	1.03 331	ePg	ISC	18 34 20.2	-0.7
PTCC	Patocco-Chiusa	1.04 323	U/Pg	ISC	18 34 36.6	+1.4
PTCC	Patocco-Chiusa	1.04 323	ePg	ISC	18 34 19.8	-1.3
PTCC	Patocco-Chiusa	1.04 323	U/Pg	ISC	18 34 37.6	+0.4
PTCC	Patocco-Chiusa	1.04 323	ePg	ISC	18 34 21.2	-1.3
GOLS	Golise	1.05 65	U/Pg	ISC	18 34 29.7	+0.5
GOLS	Golise	1.05 65	ePg	ISC	18 34 36.6	+1.4
GOLS	Golise	1.05 65	U/Pg	ISC	18 34 20.7	-0.5
GOLS	Golise	1.05 65	ePg	ISC	18 34 36.6	+1.3
BOO	Bordano	1.09 313	U/Pg	ISC	18 34 20.6	-1.6
MPRI	Monte Prat	1.11 307	U/Pg	ISC	18 34 21.0	+0.2
MPRI	Monte Prat	1.11 307	ePg	ISC	18 34 21.0	+0.2
MPRI	Monte Prat	1.11 307	U/Pg	ISC	18 34 21.0	+0.2
MPRI	Monte Prat	1.11 307	ePg	ISC	18 34 21.0	+0.2
NVLJ	Novajia	1.11 157	U/Pg	ISC	18 34 21.3	-1.2
NVLJ	Novajia	1.11 157	ePg	ISC	18 34 37.6	+0.4
NVLJ	Novajia	1.11 157	U/Pg	ISC	18 34 21.2	-1.3
NVLJ	Novajia	1.11 157	ePg	ISC	18 34 37.6	+0.0
IESO	Jesolo	1.20 268	U/Pg	ISC	18 34 24.9	+0.5
IESO	Jesolo	1.20 268	ePg	ISC	18 34 42.5	+2.0
PERS	Pernice	1.21 29	U/Pg	ISC	18 34 23.8	-0.7
PERS	Pernice	1.21 29	ePg	ISC	18 34 23.8	-0.7
PERS	Pernice	1.21 29	U/Pg	ISC	18 34 23.8	-0.7
PERS	Pernice	1.21 29	ePg	ISC	18 34 23.8	-0.7
BISS	Bistrizki jare	1.22 29	U/Pg	ISC	18 34 24.0	-0.8
BISS	Bistrizki jare	1.22 29	ePg	ISC	18 34 24.5	-0.8
BISS	Bistrizki jare	1.22 29	U/Pg	ISC	18 34 24.0	-0.8
BISS	Bistrizki jare	1.22 29	ePg	ISC	18 34 24.5	-0.8
GROS	Grobnik	1.23 44	U/Pg	ISC	18 34 24.1	-0.9
GROS	Grobnik	1.23 44	ePg	ISC	18 34 24.5	-0.9
GROS	Grobnik	1.23 44	U/Pg	ISC	18 34 24.1	-0.9
GROS	Grobnik	1.23 44	ePg	ISC	18 34 24.5	-0.9

comp=2.9um,0.6s	GROS	Grobnik	1.23 44	U/Pg	Pg	18 34 24.1	-0.9
comp=2.9um,0.6s	GROS	Grobnik	1.23 44	ePg	Sg	18 34 24.0	+0.5
comp=2.9um,0.6s	PLRO	Paularo	1.24 322	U/Pg	Pg	18 34 23.9	-1.2
comp=2.9um,0.6s	PLRO	Paularo	1.24 322	ePg	Pb	18 34 23.0	-0.1
comp=2.9um,0.6s	MLNI	Malnisio	1.28 297	U/Pg	Pg	18 34 24.7	-1.3
comp=2.9um,0.6s	MLNI	Malnisio	1.28 297	ePg	Sg	18 34 44.5	+1.3
comp=2.9um,0.6s	MLNI	Malnisio	1.28 297	U/Pg	Pg	18 34 24.0	+0.1
comp=2.9um,0.6s	ZOU	Zouplian	1.32 318	U/Pg	Pg	18 34 25.2	-1.5
comp=2.9um,0.6s	ZOU	Zouplian	1.32 318	ePg	Pb	18 34 45.2	+0.7
comp=2.9um,0.6s	ZOU	Zouplian	1.32 318	U/Pg	Pg	18 34 25.5	+1.0
comp=2.9um,0.6s	CAE	Caneva	1.34 289	U/Pg	Pg	18 34 26.9	-0.3
comp=2.9um,0.6s	CAE	Caneva	1.34 289	ePg	Sg	18 34 46.4	+1.3
comp=2.9um,0.6s	CAE	Caneva	1.34 289	U/Pg	Pg	18 34 25.0	+0.1
comp=2.9um,0.6s	CAE	Caneva	1.34 289	ePg	Pb	18 34 46.4	+1.2
comp=2.9um,0.6s	SISAC	Sisak	1.49 94	U/Pg	Pg	18 34 28.2	+1.3
comp=2.9um,0.6s	SISAC	Sisak	1.49 94	ePg	Sg	18 34 48.9	-1.1
comp=2.9um,0.6s	SISAC	Sisak	1.49 94	U/Pg	Pg	18 34 28.2	+1.3
comp=2.9um,0.6s	SISAC	Sisak	1.49 94	ePg	Sg	18 34 48.8	-1.1
comp=2.9um,0.6s	KBA	Koelnbreinspre	1.62 337	U/Pg	Pg	18 34 31.7	-1.1
comp=2.9um,0.6s	KBA	Koelnbreinspre	1.62 337	ePg	Sg	18 34 54.0	-0.5
comp=2.9um,0.6s	KBA	Koelnbreinspre	1.62 337	U/Pg	Pg	18 34 31.6	+2.7
comp=2.9um,0.6s	KBA	Koelnbreinspre	1.62 337	ePg	Sg	18 34 54.0	-0.5
comp=2.9um,0.6s	KOGS	Kog	1.64 57	U/Pg	Pg	18 34 30.1	-2.9
comp=2.9um,0.6s	KOGS	Kog	1.64 57	ePg	Sg	18 34 30.4	-0.2
comp=2.9um,0.6s	KOGS	Kog	1.64 57	U/Pg	Pg	18 34 32.2	-0.3
comp=2.9um,0.6s	KOGS	Kog	1.64 57	ePg	Sg	18 34 32.3	-3.0
comp=2.9um,0.6s	CGRP	Cima Grappa	1.75 281	U/Pg	Pg	18 34 32.3	-1.1
comp=2.9um,0.6s	CGRP	Cima Grappa	1.75 281	ePg	Sg	18 34 32.8	-4.2
comp=2.9um,0.6s	TEOL	Teolo	1.84 264	U/Pg	Pg	18 34 35.0	+3.0
comp=2.9um,0.6s	SEST	Monte Rota	1.84 310	U/Pg	Pg	18 35 01.7	+6.4
comp=2.9um,0.6s	SEST	Monte Rota	1.84 310	ePg	Sg	18 34 34.9	+2.9
comp=2.9um,0.6s	ARSA	Arzberg	1.88 27	U/Pg	Pg	18 34 34.3	-3.6
comp=2.9um,0.6s	ARSA	Arzberg	1.88 27	ePg	Sg	18 35 00.9	-2.2
comp=2.9um,0.6s	ARSA	Arzberg	1.88 27	U/Pg	Pg	18 34 34.2	+1.6
comp=2.9um,0.6s	ARSA	Arzberg	1.88 27	ePg	Sg	18 35 00.9	-2.2
comp=2.9um,0.6s	CTI	Castel Tesino	1.88 285	U/Pg	Pg	18 34 34.2	-3.7
comp=2.9um,0.6s	CTI	Castel Tesino	1.88 285	ePg	Sg	18 35 00.5	-2.6
comp=2.9um,0.6s	PESA	Pesaro	1.93 212	U/Pg	Pg	18 34 34.5	-4.3
comp=2.9um,0.6s	BRNS	Barisano	2.02 231	U/Pg	Pg	18 34 36.2	+1.6
comp=2.9um,0.6s	BRNS	Barisano	2.02 231	ePg	Pb	18 34 36.1	+1.5
comp=2.9um,0.6s	BRES	Bressanone	2.08 303	U/Pg	Pg	18 34 38.1	+2.7
comp=2.9um,0.6s	BRES	Bressanone	2.08 303	ePg	Pb	18 34 38.0	+2.6
comp=2.9um,0.6s	BRES	Bressanone	2.08 303	U/Pg	Pg	18 34 36.8	+1.3
comp=2.9um,0.6s	BRES	Bressanone	2.08 303	ePg	Pb	18 34 36.8	+1.3
comp=2.9um,0.6s	FSSB	Fossombrone	2.17 210	U/Pg	Pg	18 34 37.5	+0.9
comp=2.9um,0.6s	FIU	Fiumicino	2.17 245	U/Pg	Pg	18 34 37.9	+1.1
comp=2.9um,0.6s	BLU	Banja Luka	2.23 111	U/Pg	Pg	18 35 12.2	-2.4
comp=2.9um,0.6s	BGLD	Berchtesgaden	2.24 338	U/Pg	Pg	18 34 40.3	+2.6
comp=2.9um,0.6s	MOA	Molin	2.27 0	U/Pg	Pg	18 34 40.3	-5.3
comp=2.9um,0.6s	MOA	Molin	2.27 0	ePg	Sg	18 35 11.7	-4.1
comp=2.9um,0.6s	MOA	Molin	2.27 0	U/Pg	Pg	18 34 40.7	+2.6
comp=2.9um,0.6s	MOA	Molin	2.27 0				





SONM Songino Array 59.44 5 P P 18 44 06.4 +1.6
SONM comp=Z,1.1nm,0.7s,mb4.0,baz=290,slow=8.8,SNR=15
YKA comp=Z,34nm,18.0s,MS3.5,baz=190,slow=38
Yellowknife Arr 54.74 36 P P 18 44 40.6 +0.3

s-maj=55.5km s-min=26.0km az=61.0,Nicobar Islands region
Code Station Name Az AZZ Phase ID Time Res
CMAR Chiang Mai Arr 13.77 28 Op ISC P 19 58 23.4 -1.0

comp=N,3um,0.5s
RBDL Robledal 1.44 76f eP Pn 20 30 41.1 +0.3
RBDL El Retiro 1.45 85f eP Sn 20 30 41.3 +2.2
RTR SBLS San Blas 1.47 87f eP Sn 20 30 41.0 0.0

IDC 24 18:41:49.6-4.6,2.81N-96.05E,mb3.4/3,mb1 3.6/3,
mb1mx3.3/19,mbtmp3.3/3,Error ellipse:
s-maj=177.0km s-min=31.4km az=59.0,Northern
Sumatera
Code Station Name Az AZZ Phase ID Time Res

IDC 24 19:57:03.0-0.4,12.87N-92.98E,mb3.7/11,mb1 4.0/12,
mb1mx3.8/23,mbtmp3.8/12,ML3.1/1,MS2.7/1,Ms1 2.9/1,
ms1mx2.6/20,Error ellipse: s-maj=36.8km s-min=14.8km
az=53.0
NEIC 24 19:57:07.0-0.4,12.90N-93.06E,h30km,mb4.3/1,Error
ellipse: s-maj=10.6km s-min=7.5km az=56.0
IDC 24 19:57:03.5-3.9,12.8N,0.1x93.03E,0.08,h15km,27km,
n25,c065/27,mb3.7/12,1D,Andaman Islands region
Code Station Name Az AZZ Phase ID Time Res

IDC 24 20:34:49.8-14.0,16.88S-179.36E,h54km,153km,
mb2.7/3,mb1 3.1/3,mb1mx2.8/16,mbtmp3.6/3,Error
ellipse: s-maj=361.8km s-min=46.1km az=155.0,Fiji
Islands region
Code Station Name Az AZZ Phase ID Time Res
WRA Warramunga Arr 43.94 259 Op ISC P 20 42 08.2 -1.7

JMA 24 18:45:09.9-0.1,36.21N-137.47E,h256km,2km,ML2.9
IDC 24 18:45:10.8-0.6,35.86N-138.45E,h247km,7km,mb3.3/4,
s-maj=62.9km s-min=14.5km az=103.0
IDC 24 18:45:08.9-0.5,36.23N,0.06:137.46E,0.09,h261km,3km,
n24,c0566/34,mb3.4/4,1C,Eastern Honshu
Code Station Name Az AZZ Phase ID Time Res

CM31 Chiang Mai Arr 7.98 45 Op Pn 19 59 00.6 -1.1
CMAR Chiang Mai Arr 7.98 45 Pn Pn 19 59 00.6 -1.1
CMAR comp=Z,48nm,19.0s,baz=225,slow=41
CMAR Chiang Mai 8.22 43 P P 19 59 06.5 +1.4
NANT Nanang 9.46 50 P P 19 59 22.5 +0.2
VIS Vishakhapatnam 10.54 299 eP S 19 59 36.5 -0.7

IDC 24 21:01:01.1+3.4,1.60N-96.77E,mb3.5/4,mb1 3.6/5,
mb1mx3.4/20,mbtmp3.4/5,ML3.5/1,Error ellipse:
s-maj=22.1km s-min=23.9km az=62.0,Off west coast
of northern Sumatera
Code Station Name Az AZZ Phase ID Time Res
CMAR Chiang Mai Arr 16.88 7 Pn P 21 04 58.4 -2.3

JGN Niukaw 0.12 268 Op P 18 45 42.9 +0.2
MAT Matsushiro 0.68 62 P S 18 45 44.2 +0.4
MAT Matsushiro 0.68 62 P S 18 45 44.2 +0.4
MAT Matsushiro 0.68 62 P S 18 45 44.2 +0.4
MJAR Matsuhiro Arr 0.68 62 P S 18 45 43.7 -0.2
MJAR 0.9nm,0.3s,baz=241,slow=4.9,SNR=256
JGM Miyama 0.80 229 P S 18 45 44.3 0.0
JKG Kaga 0.91 273 P S 18 45 45.7 +0.9
JYK Shimob 1.14 129 P S 18 45 46.5 +0.4

PKI Pulchoki 16.30 335 eP P 20 00 53.3 -0.2
GUN Gumba 16.42 337 eP P 20 00 54.9 -0.1
DMN Daman 16.46 334 eP P 20 00 55.8 +0.3
KKN Kakani 16.55 335 eP P 20 00 56.5 -0.1
GKN Gorkha 17.00 334 eP P 20 01 02.6 +0.2
KOLN Koldanda 17.27 331 eP P 20 01 07.5 +1.7
MKAR Makanchi Arr 35.03 347 P P 20 03 57.4 -0.2

WRA Warramunga Arr 43.94 259 Op ISC P 21 08 59.1 -2.0
ASAR Alice Springs 44.21 253 P P 21 09 10.7 -1.6
ASAR Alice Springs 43.98 127 P P 21 09 10.7 -1.6
MKAR Makanchi Arr 46.75 346 P P 21 09 31.6 -2.3
SONM Songino Array 46.70 9 P S 21 09 33.2 -1.1
NEIC 24 21:18:49.9-0.7,36.77N-3.40E,h10km,MG4.1(MDD),
Error ellipse: s-maj=9.4km s-min=3.4km az=158.0

MAN 24 19:14:16.4,8.57N-123.41E,h16km,mb3.5,ML2.2,MS1.7,
1C,Mindanao
Code Station Name Az AZZ Phase ID Time Res
DCPH Dipolog City 0.05 286f iP ISC P 19 14 20.1 +0.6

NEIC 24 20:04:55.5,16.34N-94.77W,h77km,MD3.6(MEX),After
MEX
MEX 24 20:04:56.1-0.9,16.35N-94.80W,h74km,16km,MD3.7,
1C-1D,Oaxaca
Code Station Name Az AZZ Phase ID Time Res
CMIG Matias Romero 0.74 354f iP P 20 05 10.4 -1.6

Code Station Name Az AZZ Phase ID Time Res
ABMS Boumerdes 0.30 152 P P 21 18 53.3 -3.0
ABA Alger-Bouzareo 0.31 225 P Pg 21 18 56.0 -0.4
EMHD Djebel Bouhadou 0.87 199 P Pb 21 18 54.3 -2.3

IDC 24 19:32:10.4-1.6,12.16N-142.70E,mb3.5/4,mb1 3.9/4,
mb1mx3.5/21,mbtmp3.2/2,Error ellipse:
s-maj=247.3km s-min=23.1km az=109.0,Sum of
Mariana Islands
Code Station Name Az AZZ Phase ID Time Res
WRA Warramunga Arr 32.94 195 P P 19 48 36.3 -2.7

IDC 24 20:09:18.5-2.9,16.18S-174.12W,h134km,26km,
mb3.6/4,mb1 3.8/5,mb1mx3.4/17,mbtmp4.0/5,Error
ellipse: s-maj=141.4km s-min=20.1km az=140.0,Tonga
Islands
Code Station Name Az AZZ Phase ID Time Res
AFI Afiamalu 3.20 45 Op P 20 10 08.0 -0.8

Code Station Name Az AZZ Phase ID Time Res
EBEN Beniarda 3.26 302 P S 21 19 42.8 +0.5
EBEN Beniarda 2.8nm,0.2s,SNR=30
EBEN Beniarda 15nm,0.4s,SNR=7.9

IDC 24 19:35:48.7-4.8,29.87S-177.72W,mb3.2/2,mb1 3.4/2,
mb1mx3.4/14,mbtmp3.2/2,Error ellipse:
s-maj=279.0km s-min=68.4km az=166.0,Kermadec
Islands
Code Station Name Az AZZ Phase ID Time Res
MRZ Mangatainaka R 12.08 205 SN S 19 40 52.9 -8.9

IDC 24 20:01:01.9-1.4,1.22N-97.09E,mb3.4/2,mb1 3.6/3,
mb1mx3.2/20,mbtmp3.3/3,ML3.3/1,Error ellipse:
s-maj=255.9km s-min=45.3km az=76.0,Northern
Sumatera
Code Station Name Az AZZ Phase ID Time Res
CMAR Chiang Mai Arr 14.27 7 Pn P 20 24 23.9 -2.8

Code Station Name Az AZZ Phase ID Time Res
ETOB Tobarra 4.17 294 P Pn 21 19 56.6 +1.4
ETOB Tobarra 2.9nm,0.6s,SNR=106
ETOB Tobarra 2.9nm,0.6s,SNR=106

ECX 24 19:41:46.9-0.3,30.36N-114.41W,h7km,ML3.5,1C-2D,
Gulf of California
Code Station Name Az AZZ Phase ID Time Res
SPX San Pedro Mart 1.14 307f eP ISC P 19 42 06.4 -2.1

GCG 24 20:30:15.1,13.86N-91.13W,h68km,MD3.9,ML4.2
SSS 24 20:30:16.4,13.57N-91.01W,h16km,MD3.6,ML3.7
CASC 24 20:30:16.0-1.9,13.77N-91.13W,h25km,9km,MD3.7,
ML4.0,9C-1D,Near coast of Guatemala
Code Station Name Az AZZ Phase ID Time Res
JAT Jato 0.74 318f eP Op ISC P 20 30 41.2 +1.5

Code Station Name Az AZZ Phase ID Time Res
EMOS Mosqueruela 4.46 320 P Pn 21 20 07.7 +1.4
EMOS Mosqueruela 5.2nm,0.2s,SNR=84
EMOS Mosqueruela 4.46 320 Pn Pn 21 20 00.7 +1.4

IDC 24 19:55:05.3-1.7,6.28N-92.21E,mb3.5/4,mb1 3.8/5,
mb1mx3.5/21,mbtmp3.5/5,ML3.7/1,Error ellipse:

Code Station Name Az AZZ Phase ID Time Res
ERTT Horta de San J 4.56 330 P Pn 21 20 52.8 -1.7
ERTT Horta de San J 4.56 330 P Pn 21 20 52.8 +1.6



ERTA	2.3nm,0.2s,SNR=8.6	4.56	330	Pn	Pn	21 20 02.3 +1.6
ERTA	Horta de San J					21 20 52.7 -1.7
ERTB	11nm,0.4s,SNR=5.8					
EPOB	Poblet	4.66	339	P	Pn	21 20 03.6 +1.5
EPOB	Poblet					21 20 56.5 -0.4
EPOB	Poblet	4.66	339	P	Pn	21 20 03.6 +1.5
EPOB	1.0nm,0.1s,SNR=19					
EPOB	4.4nm,0.3s,SNR=7.9					21 20 59.0 +2.1
EPOB	Poblet	4.66	339	Pn	Pn	21 20 03.6 +1.5
EPOB	1.0nm,0.1s,SNR=19					
EVIA	Vianos	4.87	291	P	Pn	21 20 05.0 +0.4
EVIA	Vianos					21 21 03.1 +0.8
EVIA	Vianos	4.87	291	P	Pn	21 20 05.0 +0.4
EVIA	5.3nm,0.4s,SNR=4.7					
EVIA	11nm,0.4s,SNR=7.9					21 21 03.0 +0.7
EVIA	Vianos	4.87	291	Pn	Pn	21 20 05.0 +0.4
EVIA	5.3nm,0.4s,SNR=4.7					
EVIA	11nm,0.4s,SNR=7.9					21 21 02.8 +0.5
EBER	Berja	4.96	270	P	Pn	21 20 04.3 -2.1
EBER	Berja					21 21 01.0 -3.6
EBER	Berja	4.96	270	Pn	Pn	21 20 04.3 -2.1
EBER	1.8nm,0.2s,SNR=9.1					
EBER	6.4nm,0.4s,SNR=7.9					21 21 00.4 -4.2
EBER	ESAC					21 21 01.0 -3.6
EQES	Quesada	5.13	281	S	Sn	21 20 09.8 +1.0
EQES	Quesada					21 21 08.5 -0.4
EQES	Quesada	5.13	281	P	Pn	21 20 09.8 +1.0
EQES	7.3nm,0.2s,SNR=46					
EQES	24nm,0.4s,SNR=9.6					21 21 09.2 +0.3
EQES	Quesada	5.13	281	Pn	Pn	21 20 09.8 +1.0
EQES	7.3nm,0.2s,SNR=46					
EQES	24nm,0.4s,SNR=9.6					
EJON	La Jonquera	5.43	357	S	Pn	21 21 08.5 -0.4
EJON	La Jonquera					21 20 14.9 +1.9
EJON	La Jonquera					21 21 13.1 -3.3
EJON	La Jonquera	5.43	357	P	Pn	21 20 14.9 +1.9
EJON	8.4nm,0.1s,SNR=24					
EJON	La Jonquera	5.43	357	Pn	Pn	21 20 14.9 +1.9
EJON	8.4nm,0.1s,SNR=24					
EJON	8.4nm,0.4s,SNR=7.9					21 21 13.2 -3.1
ECOG	Cogollos-Vega	5.49	275	P	Pn	21 20 14.5 +0.6
ECOG	Cogollos-Vega					21 21 21.0 +3.1
ECOG	Cogollos-Vega	5.49	275	P	Pn	21 20 14.5 +0.6
ECOG	3.2nm,0.4s,SNR=4.0					
ESAC	San Caprasio	5.53	329	P	Pn	21 20 16.4 +2.0
ESAC	ESAC					21 21 18.2 -0.6
ESAC	San Caprasio	5.53	329	P	Pn	21 20 16.4 +2.0
ESAC	6.2nm,0.3s,SNR=5.7					
ESAC	San Caprasio	5.53	329	Pn	Pn	21 20 16.4 +2.0
ESAC	6.2nm,0.3s,SNR=5.7					
ERON	Agron	5.69	272	P	Pn	21 21 18.2 -0.6
ERON	Agron					21 20 16.4 -0.3
EBAN	Banos Encina	5.75	284	P	Pn	21 20 17.7 +0.3
EBAN	Banos Encina					21 21 21.5 -2.7
EBAN	Banos Encina	5.75	284	Pn	Pn	21 21 17.7 +0.3
EBAN	5.1nm,0.4s,SNR=4.0					
ELOJ	Sierra Loja	5.96	273	P	Pn	21 20 21.9 +1.4
ELOJ	Sierra Loja					21 20 20.9 +0.4
ELOJ	Sierra Loja	5.96	273	P	Pn	21 20 21.9 +1.4
ELOJ	0.7nm,0.2s,SNR=4.0					
ELOJ	Sierra Loja	5.96	273	P	Pn	21 20 21.9 +1.4
ELUO	Luque	6.06	277	P	Pn	21 20 21.6 -0.3
EBIE	Bielsa	6.16	338	P	Pn	21 20 25.9 +2.6
EBIE	Bielsa					21 21 33.3 -1.3
EBIE	Bielsa	6.16	338	P	Pn	21 20 25.9 +2.6
EBIE	1.2nm,0.2s,SNR=6.3					
EBIE	Bielsa	6.16	338	Pn	Pn	21 20 25.9 +2.6
EBIE	1.2nm,0.2s,SNR=6.3					
EBIE	1.2nm,0.2s,SNR=6.3					21 21 33.5 -1.1
ESDC	Sonsecas Array	6.30	297	Pn	Pn	21 20 25.2 0.0
ESDC	1.9nm,0.3s,baz=112,slow=13,SNR=16					
ESDC	Sonsecas Array					21 21 39.9 +1.9
ESDC	0.9nm,0.3s,baz=108,slow=24,SNR=3.0					
ESDC	Sonsecas Array	6.30	297	P	Pn	21 20 25.7 +0.5
ESDC	1.1nm,0.1s,baz=113,slow=13,SNR=21					
ESDC	Sonsecas Array	6.30	297	Pn	Pn	21 20 25.2 0.0
ESDC	1.1nm,0.1s,SNR=21					
ESDC	Sonsecas Array					21 21 33.1 -4.9
ESLA	Sonsecas Array	6.30	297	eP	Pn	21 20 25.0 -0.2
ESLA	Sonsecas Array					21 20 25.0 -0.2
EADA	Adamuz	6.36	283	P	Pn	21 20 24.3 -1.9
EADA	Adamuz					21 20 24.3 -1.9
EADA	Adamuz	6.36	283	Pn	Pn	21 20 24.3 -1.9
EADA	0.8nm,0.2s,SNR=7.9					
EADA	Adamuz					21 21 35.2 -4.5
MTLF	Montoliu	6.37	353	ePn	Pn	21 20 28.5 +2.3
MTLF	Montoliu					21 21 38.4 -1.4
EPF	Esparrros	6.42	340	ePn	Pn	21 20 29.1 +2.1
EPF	Esparrros					21 21 36.9 -4.2
EMIJ	Mijas	6.50	268	P	Pn	21 20 25.5 -2.6
EMIJ	Mijas					21 20 25.5 -2.6
EMIJ	Mijas	6.50	268	Pn	Pn	21 20 25.5 -2.6
EMIJ	1.9nm,0.4s,SNR=4.0					
ETSF	Etsaut	6.58	334	ePn	Pn	21 20 29.7 +0.5
ETSF	Etsaut					21 21 42.2 -2.8
LDR	La Moure	6.77	20	ePn	Pn	21 20 31.8 0.0
LDR	La Moure					21 21 41.1 -4.6
GUD	Guadarrama	6.85	304	P	Pn	21 20 33.6 +0.5
GUD	Guadarrama					21 20 34.4 +1.3
GUD	Guadarrama	6.85	304	Pn	Pn	21 20 34.4 +1.3
GUD	1.1nm,0.4s,SNR=6.0					
SJPF	Ste Jean	7.01	302	ePn	Pn	21 20 36.1 +0.9
SJPF	Ste Jean					21 21 52.9 -2.8
FRF	La Foret Royal	7.01	20	ePn	Pn	21 20 34.9 -0.4
FRF	La Foret Royal					21 21 51.3 -4.6
PGF	Pioggiola	7.05	37	ePn	Pn	21 20 35.5 -0.3
PGF	Pioggiola					21 21 51.0 -5.8
LASF	Ste Croix	7.06	3	ePn	Pn	21 20 36.5 +0.5
LASF	Ste Croix					21 21 52.3 -4.8
ECRI	Cripan	7.15	323	P	Pn	21 20 39.5 +2.3
ECRI	Cripan					21 20 37.9 +0.7
ECRI	Cripan	7.15	323	Pn	Pn	21 20 39.5 +2.3
ECRI	1.8nm,0.3s,SNR=5.4					
SMRF	Simiane la Rot	7.16	13	ePn	Pn	21 20 38.8 +1.4
SMRF	Simiane la Rot					21 21 57.5 -2.1
ELIZ	Elizondo	7.17	330	P	Pn	21 20 38.8 +1.3
ELIZ	Elizondo					21 21 57.7 -2.0
ELIZ	Elizondo	7.17	330	P	Pn	21 20 38.8 +1.3
ELIZ	0.6nm,0.2s,SNR=8.4					
ELIZ	Elizondo					21 21 57.4 -2.4
EALK	Alkurruntz	7.20	331	P	Pn	21 20 40.0 +2.0
EALK	Alkurruntz					21 21 57.5 -3.2
EALK	Alkurruntz	7.20	331	P	Pn	21 20 38.8 +0.8
EALK	0.8nm,0.1s,SNR=12					
EALK	Alkurruntz	7.20	331	Pn	Pn	21 20 40.0 +2.0
EALK	0.8nm,0.1s,SNR=12					
EALK	Alkurruntz					21 21 58.0 -2.7
SBF	Sospel	7.52	23	ePn	Pn	21 20 42.4 -0.1
SBF	Sospel					21 22 04.3 -4.4
NEGI	Negi	7.60	25	P	Pn	21 20 42.0 -1.6
NEGI	Imperia					21 20 44.1 -1.1
NEGI	Imperia	7.60	25	P	Pn	21 20 44.1 -1.1
NEGI	7.72 25 P					
MONE	Monesi	7.82	24	P	Pn	21 20 46.3 -0.3
STV	Sta Anna Valdi	7.83	22	P	Pn	21 20 46.6 -0.2
STV	Sta Anna Valdi					21 20 46.6 -0.2
STV	Anna di Valdie	7.84	22	P	Pn	21 20 46.7 -0.1
STV2	Anna di Valdie					21 20 46.7 -0.1

ENR	Entraoque	7.85	22	P	Pn	21 20 47.1 +0.1
ENR	Entraoque					21 20 47.1 +0.1
VIVF	Saint-Julien-I	7.90	7	ePn	Pn	21 20 48.2 +0.5
VIVF	Saint-Julien-I					21 22 13.2 -4.8
CAF	Calvia	7.95	354	ePn	Pn	21 20 48.3 -0.2
EMIN	Mina Concepcio	7.98	278	P	Pn	21 20 46.5 -2.3
EMIN	Mina Concepcio					21 20 46.5 -2.3
EMIN	0.4nm,0.3s,SNR=7.2					
EMIN	Mina Concepcio					21 22 14.0 -6.0
PZZ	Prazzo	8.01	20	P	Pn	21 20 50.1 +0.8
PZZ	Prazzo					21 20 50.1 +0.8
ROB	Roburent	8.05	24	P	Pn	21 20 49.0 -0.8
ROB	Roburent					21 20 49.0 -0.8
ELAN	Lanestosa	8.07	322	P	P	21 20 50.8 +0.8
ELAN	Lanestosa					21 20 50.8 +0.8
ELAN	0.9nm,0.2s,SNR=6.9					
ELAN	Lanestosa	8.07	322	Pn	Pn	21 20 51.7 +1.6
ELAN	0.9nm,0.2s,SNR=6.9					
FIN	Finale Ligure	8.09	26	P	P	21 20 49.5 -0.9
FIN	Finale Ligure					21 20 49.5 -0.9
ORIF	Oris-en-Rattie	8.13	13	ePn	Pn	21 20 52.8 +1.5
ORIF	Oris-en-Rattie					21 22 19.6 -4.2
MBDF	Montbardon	8.13	18	ePn	Pn	21 20 52.1 +1.1
MBDF	Montbardon					21 22 19.4 -4.5
LF	La Frestale	8.14	347	ePn	Pn	21 20 50.0 -1.1
LBL	Lubilhac	8.20	360	P	P	21 20 53.3 +1.3
RRL	Cesana Torines	8.32	17	P	P	21 20 54.7 +1.1
RRL	Cesana Torines					21 20 54.7 +1.1
EBAD	Badajoz	8.34	285	P	P	21 20 52.4 -1.5
EBAD	Badajoz					21 20 53.7 -0.1
EBAD	0.5nm,0.3s,SNR=7.9					
BHB	Bricherasio	8.37	20	P	P	21 20 52.4 -1.5
BHB	Bricherasio					21 20 55.0 +0.8
BHB	Bricherasio					21 20 55.0 +0.8
FENE	Fenestrelle	8.49	18	P	P	21 20 57.3 +1.4
FENE	Fenestrelle					21 20 57.3 +1.4
PCP	Pian Castagno	8.50	26	P	P	21 20 55.5 -0.6
PCP	Pian Castagno					21 20 55.5 -0.6
EGRO	El Granado	8.62	277	P	P	21 20 55.3 -2.4
EGRO	El Granado					21 20 55.3 -2.4
RSP	Reno Superiore	8.65	19	P	P	21 20 10.2 +2.0
RSP	Reno Superiore					21 21 01.0 +1.8
PYM	Petit Puy Mans	8.72	359	P	P	21 20 59.5 -0.9
VINC	Vinca	8.81	34	P	P	21 20 59.5 -0.9
VINC	Vinca					21 20 59.5 -0.9
VINC	Vinca					21 20 59.5 -0.9
LPG	La Plagne	8.86	16	ePn	Pn	21 21 02.5 +1.5
LPG	La Plagne					21 22 37.1 -4.8
LPL	La Plagne	8.87	16	ePn	Pn	21 21 02.5 +1.3
LPL	La Plagne					21 22 37.1 -4.2
CODM	Codomo	8.88	32	P	P	21 21 00.5 -0.9
CODM	Codomo					21 21 00.5 -0.9
BACM	Baceno	8.89	33	P	P	21 21 01.3 -0.1
BACM	Baceno					21 21 01.3 -0.1
LSDM	Les Desplaces	8.89	33	P	P	21 21 01.3 -0.1
LSDM	Les Desplaces					21 21 03.5 +1.7
PLDF	La Plantade	8.91	18	P	P	21 21 03.5 +1.7
PLDF	La Plantade					21 21 03.1 +0.9
SARO	Sassorosso	8.96	35	P	P	21 21 01.8 -0.7
SARO	Sassorosso					21 21 01.8 -0.7
SARO	Sassorosso					21 21 01.8 -0.7
SARO	Sassorosso					21 21 02.8 -0.5
VALM	Valmadrera	9.02	34	P	P	21 21 02.8 -0.5
VALM	Valmadrera					21



Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include KULM, CM31, CMAR, WRA, MKAR, SONM, ZAL, ZAL, BVAR, FINESS, etc.

IDC 24 22:43:33.51.6.9.11N-92.72E, mb3.6/5, mb1 3.8/6, mb1mx3.6/22, mbtmp3.8/3, ML3.8/1, Error ellipse: s-maj=58.6km s-min=19.8km az=65.0, Nicobar Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include CMAR, MKAR, SONM, BVAR, WRA, ASAR, ASAR, etc.

IDC 24 22:55:42.3.0.0.49.57S-116.28E, mb3.8/3, mb1 4.0/3, mb1mx3.7/12, mbtmp3.8/3, Error ellipse: s-maj=79.9km s-min=50.5km az=176.0, Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include STKA, WRA, CMAR, YKA, etc.

ATH 24 23:40:39.3.37.44N-20.58E, h15km, 2km, MD3.6/16, ML3.6

NEIC 24 23:40:39.3.37.44N-20.58E, h15km, ML3.6(ATH), After ATH.

CSEM 24 23:40:43.6.0.1.37.60N-20.62E, h40km, ML3.6, Error ellipse: s-maj=4.2km s-min=2.0km az=46.0

ISC 24 23:40:39.9.1.1.37.49N-20.05.64E, h9km, 7km, n30, n146/39, 1D, Ionian Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include VLS, RLS, ITM, EVR, VLI, AGG, AGG, MGER, JAN, JAN, LWR, LKR, KYTH, NAG, NSK, KEAL, KEA, SRN, SRN, PTL, NEO, NEO, KZN, LIT, FNA, PLG, OUR, SOH, SOH, PEI, SRS, SG1, STON, STON, etc.

CASC 24 23:46:44.0.2.5.8.00N-82.85W, h6km, 22km, MD4.2, mb4.0(NEIC)

NEIC 24 23:46:44.0.8.00N-82.85W, h6km, mb4.0/2, MD4.2(CASC), After CASC.

IDC 24 23:46:48.7.2.0.9.23N-82.48W, mb3.5/5, mb1 3.9/6, mb1mx3.6/22, mbtmp3.7/6, ML3.3/1, MS3.1/1, ms1mx2.6/20, Error ellipse: s-maj=67.5km s-min=16.8km az=20.0

ISC 24 23:46:42.6.1.0.7.9N-0.1-82.8W, h1.0, h6km, n26, s1923/28, mb3.6/4, 1C, South of Panama

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include ACR, BUS, BUS, CCR, LCR2, LAJ, SJS, SJS, PRS1, CGA2, VPS2, VPS2, TRC, JCR, FOR, JTS, JTS, JTS, ROSC, SDV, SDV, SDV, SJS, SDRR, etc.

Table with columns: S/JG, S/AML, N/VAR, YKA, YKA, ILAR, ASAR, ASAR, WRA, etc. Includes station names, times, and phases.

IDC 24 23:58:50.3.4.0.2.38S-140.97E, mb3.2/2, mb1 3.5/3, mb1mx3.3/14, mbtmp3.3/3, ML3.3/1, Error ellipse: s-maj=138.4km s-min=33.3km az=88.0, Near north coast of Irian Jaya

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include WRA, ASAR, MKAR, etc.

NEIC 25 00:23:33.3.4.0.11N-19.58E, h6km, MD3.0(ATH), After ATH.

ATH 25 00:23:34.7.4.0.05N-19.71E, h17km, 3km, MD3.0/3, THE 25 00:23:37.4.39.94N-19.67E, h4km

CSEM 25 00:23:38.3.0.3.39.89N-19.83E, h2km, MD3.0, Error ellipse: s-maj=6.0km s-min=3.6km az=127.0

ISC 25 00:23:35.6.1.3.39.95N-0.05-19.6E-0.1, h10km, n11, n12/17, Greece-Albania border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include KEK, KEK, SRN, SRN, IGT, IGT, JAN, JAN, MEV, MEV, FNA, FNA, VLS, VLS, EVR, EVR, AGG, AGG, etc.

NEIC 25 00:33:47.9.57.04N-153.91W, h3km, ML3.1(AEIC), After AEIC.

IDC 25 00:33:55.1.9.3.57.57N-154.03W, h84km, 76km, mb2.8/3, mb1 3.0/5, mb1mx2.9/23, mbtmp3.1/5, ML3.0/2, Error ellipse: s-maj=69.5km s-min=40.6km az=10.0

ISC 25 00:33:45.8.1.7.56.9N-0.1-153.8W-0.1, h58km, 13km, n30, n0581/34, mb3.5/2, Kodiak Island region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include KDAK, KDAK, KJL, KJL, ACHA, ACHA, KAWH, KAWH, ANKP, ANKP, KAPH, KAPH, MCNL, MCNL, AUL, AUL, CNPM, CNPM, IVS, IVS, ILW, ILW, NCT, NCT, CKL, CKL, BGL, BGL, STR, STR, HIN, HIN, CVA, CVA, EYAK, EYAK, TRF, TRF, KTH, KTH, BALM, BALM, FNL, FNL, ILAR, ILAR, etc.

KRSC 25 01:06:35.0.0.4.53.78N-160.96E, h40km, 13km, ML3.8, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include SPN, SPN, MKZ, MKZ, KIL, KIL, NLC, NLC, UGLR, UGLR, UGLR, UGLR, AVH, AVH, KOV, KOV, KAHK, KAHK, PET, PET, TUMR, TUMR, GNL, GNL, KMRM, KMRM, RUS, RUS, KMINR, KMINR, KMINR, KMINR, GRL, GRL, KPT, KPT, ZLN, ZLN, APC, APC, APC, etc.

Table with columns: S/SDR, S/KBR, S/KBR, S/BKI, S/BKI, etc. Includes station names, times, and phases.

NEIC 25 01:19:00.35.70N-140.60E, h59km, Mw4.1 Best double couple: M1.74x10^15 N1.0x10^15, 88.0, 88.0, 79.9. NP2: 185, 810, 187.

JMA 25 01:19:41.2.0.1.35.71N-140.63E, h51km, 1km, M3.7 Broadband fault plane solution: P waves. NP1: 234, 818, 133. NP2: 9.8, 877, 178. Principal axes: T: P1g56, Azm263; N: P1g12; Azm121; P: P1g31; Azm109;

JMA 25 01:19:42.0.2.7.35.68N-140.71E, h53km, 23km, mb3.7/9, Mb1 3.9/12, mb1mx3.8/25, mbtmp4.1/12, ML4.2/3, MS2.8/2, Ms1 2.8/2, ms1mx2.5/30 Error ellipse: s-maj=32.2km s-min=12.4km az=78.0

NEIC 25 01:19:43.9.1.6.35.60N-140.46E, h67km, 13km, mb3.9/1, Error ellipse: s-maj=19.6km s-min=10.3km az=87.0

NEIC Recorded [2 JMA] in Chiba and Ibaraki Prefectures. ISC 25 01:19:40.2.0.7.35.67N-0.04-140.76E-0.1, h57km, 5km, n32, n193/35, mb3.9/10, 1C-5D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include CHJO, CHJO, CJO, CJO, JYT, JYT, BSO3, BSO3, BSO1, BSO1, JAG, JAG, JIM2, JIM2, JIM2, JIM2, JRY, JRY, MJAR, MJAR, etc.

MJAR 22m, 0.3s, baz=127, slow=14, SNR=5.3

ASAJ Asahikawa 8.56 9 LR

CBJ Chichi jima 8.63 172 P

JOW Kunigami 13.83 234 LR

SONM Songoing Array 28.14 306 P

FKAR Makachi Array 44.1 303 P

FITZ Fitzroy Crossi 59.36 198 P

WRAB Tennant Creek 55.63 187 P

WRA Warramunga Arr 56.64 187 P

ASAR Alice Springs 59.36 198 P

RES Resolute Bay 64.05 14 eP

YKA Yellowknife Arr 65.25 30 P

FINESS FINESS Array B 69.78 332 P

NB2 NORSAR Array B 75.24 337 P

BRTR Keskin Array B 79.36 311 P

BRTR Paradox Bay 82.07 48 eP

DJA 25 01:29:51.6.2.0.41N-96.98E, h19km, 14km, mb5.4/2, Error ellipse: s-maj=29.4km s-min=20.2km az=28.0

BJJ 25 01:29:52.1.1.04N-97.28E, h26km, mb5.5, mb5.3, Ms5.3, Ms2.5

IDC 25 01:29:54.0.3.2.1.13N-97.20E, h29km, 20km, mb4.6/24, mb1 4.7/25, mb1mx4.6/28, mbtmp4.8/25, ML4.9/1, MS4.7/17, Ms1 4.7/17, ms1mx4.5/33, Error ellipse: s-maj=14.5km s-min=10.8km az=47.0

MOS 25 01:29:54.3.0.9.1.15N-97.30E, h33km, mb5.4/57, MS4.7/18, Error ellipse: s-maj=9.5km s-min=5.1km az=122.7

HRVD 25 01:29:54.0.4.0.4.0.83N-97.01E, h21km, MW5.1/52, Centroid moment Tensor Solution. LP body waves: s4.1, c68, Mantle waves: s22, c21; Half duration: 0 Moment Tensor: Scale 1.016Nm; M2: 2.7e-20; Ms: 1.6; 1.3; Ms: 0.9e-17; Ms: 3.6e-26; Ms: 2.5e-10; Ms: 4.1; 1.3; 1.1; Best double couple: M: 6.419e-10 N: 1.0e-10 P: 1.7e-10; NP2: 138, 875, 95, 95, 95, 95; Principal axes: T: 5.755, P1g30, Azm56; N: 1.324, P1g5, Azm317; P: 7.083, P1g30, Azm224; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s.

NEIC 25 01:29:54.4.0.1.1.08N-97.25E, mb5.1/57, MS4.6/7 Error ellipse: s-maj=5.6km s-min=3.7km az=215.0

ISC 25 01:29:52.9.0.2.1.12N-0.03-97.26E-0.03, h24km, h24km, 4km, pp-P, n309, n1900/307, mb5.1/114, MS4.9/57, 32C-6D, Northern Sumatra

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include PPI, PPI, IPM, IPM, KULM, KULM, KGM, KGM, SNG, SNG, PENI, PENI, PENI, PENI, PASI, PASI, PULI, PULI, KSM, KSM, NST, NST, KKTK, KKTK, CM31, CM31, CMAR, CMAR, PALK, PALK, CHG, CHG, NANT, NANT, KKM, KKM, KKM, MDRS, MDRS, MDRS, MDRS, TSM, TSM, VIS, VIS, TRD, TRD, QIZ, QIZ, QIZ, QIZ, etc.











Table with columns for location (e.g., BJI, AHID, NEW, RR12), time (e.g., 02 56 43.9), and other data points.

Table with columns for location (e.g., LVC, HRY, ILAR, IMA), time (e.g., 02 56 43.9), and other data points.

Table with columns for location (e.g., ZAK, DGAR, ULM, TLY), time (e.g., 02 56 43.9), and other data points.

907

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like Lusaka, Tsumeb, Arti, Scoresbytown, Lovozero, etc.

2005 APR

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like Copenhagen, Corum, Avonos, Bhammes, etc.

25d 2h

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like Vyhne, Pizkesteto, Puhonice, etc.

Table with columns: Station Name, Time, Res, etc. Includes stations like VWF, MTLF, EVO, etc.

ATH 25 02:41:38.8, 39.49N-20.82E, h16km, 11km, MD3.1/4
NEIC 25 02:41:38.4, 39.53N-20.84E, h22km, MD3.1(ATH), After ATH.

CSEM 25 02:41:38.0, 39.47N-20.83E, h3km, 1km, MD3.1, Error ellipse: s-maj=4.3km s-min=3.7km az=34.0
THE 25 02:41:39.1, 39.40N-20.78E, h10km, ML3.4
ISC 25 02:41:39.2, 0.6, 39.59N-0.04, 20.73E, 0.14, h10km, n14, c=1547/24, Greece-Albania border region

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like JAN, IGT, MEV, etc.

NEIC 25 02:44:10.3, 39.61S-174.27E, h154km, MG3.7(WEL), After WEL.

WEL 25 02:44:12.3, 0.2, 39.67S-174.31E, h133km, 2km, ML3.7/5, 4C-1D, Error ellipse: s-maj=1.5km s-min=1.0km az=90.0, North Island

Large table with columns: Code, Station Name, Time, Res, etc. Includes stations like RAEZ, NEZ, NRZ, etc.

Table with columns: ODZ, Otahua Downs, 6.02 206 SN, S, 02 46 40.3 -7.9
JCZ, Jackson Bay, 6.04 222 ePN, P, 02 45 36.8 -3.6

ICC 25 03:10:18.6, 0.0, 24N-97.12E, h30km, 5km, mb3.9/14, mb1.4, 0/15, mb1mx3.9/20, mbtmp4.0/15, ML4.3/1, Error ellipse: s-maj=29.1km s-min=13.8km az=54.7

NEIC 25 03:10:18.6, 0.4, 0.34N-97.25E, mb4.4/4, Error ellipse: s-maj=12.4km s-min=9.2km az=61.0
ISC 25 03:10:17.7, 0.6, 0.40N-9.09, 97.3E, 0.1, h33km, (h29km, 1.5km, pp-P), n27, c0991/21, mb4.1/17, Northern Sumatara

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like KULM, CMAR, FITZ, etc.

ICC 25 03:11:03.1, 1.6, 5.07S-150.74E, h237km, 13km, mb3.8/12, mb1.4, 0/14, mb1mx3.9/21, mbtmp4.5/14, Error ellipse: s-maj=16.3km s-min=10.9km az=138.0

NEIC 25 03:11:04.2, 1.7, 5.07S-150.71E, h249km, 15km, mb4.5/8, Error ellipse: s-maj=12.9km s-min=12.0km az=133.0
ISC 25 03:11:00.3, 1.4, 4.99S-0.10, 150.89E, 0.08, h225km, 11km, n30, c1920/35, mb4.1/14, 3D, New Britain region

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like GERES, NB2, NIAR, etc.

Centroid moment Tensor Solution. LP body waves: s13.03c, Mantle waves: s36c45; Half duration: 0. Moment tensor: Sc1 1016Nm; Mr=2.11e32; Ms=0.65e17; Mw=1.46e25; Mo=0.15e42; Mx=0.58e12; My=1.02e43; Best double couple: Mo2.176e1016 NP1.0e323; 834; 1.70e; NP2.0e166; 858; 7.103. Principal axes: T.2.409, Plg73, Azm110; N-.469, Plg11; Azm340; P-1.943, Plg12; Azm247; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 25 03:18:31, 1.0, 2.3, 0.03N-94.07E, mb5.0/02, Error ellipse: s-maj=5.7km s-min=4.1km az=216.0
ISC 25 03:18:29.5, 0.2, 3.00N-0.04, 94.10E, 0.03, h25km, h25km, 5km, pp-P, n237, c098/236, mb5.0/96, MS4.5/13, 25C-6D, Off coast west of northern Sumatara

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like KULM, IPNL, SNG, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KONO, Kongsberg, TNS, Taunus Mts, BFO, Black Forest, etc.

NNC 25 03:20:31.4z.26.0, 47.41N-.89.99E, h4km,90km, mpv2.9, Error ellipse: s-maj=200.6km s-min=163.1km az=85.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WMQ, Urumqi, MK31, Makanchi Array, etc.

IDC 25 03:24:58.0, 0.5, 0.28N-97.24E, mb4.2/20, mb1.4, 3/21, mb1mx4.3/23, mbtmp4.2/21, ML4.6/1, MS4.3/5, Ms1.4/3/5, ms1mx4.0/33, Error ellipse: s-maj=17.8km s-min=13.2km az=55.0

BUI 25 03:25:00.3, 0.30N-97.30E, h16km, mb5.2, mb4.8, Ms5.2, Ms2.9

NEIC 25 03:25:00.4, 5.8, 0.29N-97.27E, h16km,35km, mb4.6/4, Error ellipse: s-maj=13.0km s-min=7.4km az=56.0

ISC 25 03:24:58.8, 3.2, 0.34N-0.07-97.30E, 0.08, h16km,22km, n40, c078/34, mb4.2/24, MS4.5/5, Northern Sumatara

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BVAR, Borovoye Array, KMBO, Kilima Mbogo, etc.

MAN 25 03:37:22.9, 12.97N-122.89E, h28km, mb4.0, ML2.8, MS2.4, 1D, Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AUQP, San Andres, etc.

IDC 25 03:37:55.9, 0.0, 0.7, 0.27N-97.26E, h34km,5km, mb3.8/14, mb1.4/0/15, mb1mx3.9/21, mb4.3/15, ML4.2/1, Error ellipse: s-maj=24.7km s-min=12.2km az=58.0

NEIC 25 03:37:55.6, 0.3, 0.31N-97.30E, mb4.3/3, Error ellipse: s-maj=9.0km s-min=6.6km az=67.0

ISC 25 03:37:53.9, 0.5, 0.34N-0.07-97.34E, 0.09, h32km, h34km, 6km, pP-P, n26, c055/23, mb4.0/16, Northern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KULM, Kulim, CM31, Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TEIG, Tepich, TXAR, Lajitas Arr, etc.

NEIC 25 03:50:37.7, 0.4, 6.72S-156.20E, mb4.3/11, Error ellipse: s-maj=12.5km s-min=8.2km az=116.0

IDC 25 03:50:38.4, 0.8, 6.76S-156.22E, h169km,6km, mb4.0/14, mb1.4/1/16, mb1mx4.0/20, mbtmp4.4/16, Error ellipse: s-maj=17.8km s-min=11.7km az=95.0

ISC 25 03:50:36.3, 0.4, 6.79S-107.156E, 0.09, h164km, h164km, 1.5, mb5.3, baz=53, slow=8.2, SNR=3.2

Bougainville - Solomon Islands region

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

IDC 25 03:55:00.5, 8.2, 1.56N-98.77E, mb3.6/3, mb1.3/9/4, mb1mx3.6/20, mbtmp3.7/14, ML4.2/1, Error ellipse: s-maj=275.3km s-min=28.8km az=67.0, Northern Sumatara

CMAR Chiang Mai Arr 16.79 1 Pn P 03 58 59.4 +0.6

WRA Warramunga Arr 40.90 123 P P 04 02 54.2 -0.9

ASAR Alice Springs 42.37 128 P P 04 02 56.2 -2.3

SOMM Songoing Array 46.56 7 P P 04 03 29.3 -2.5

BUI 25 03:56:45.1, 3.0, 1.33N-50.11, 0.3E, h2km, mb3.9/2, Error ellipse: s-maj=5.5km s-min=3.9km az=78.0

IDC 25 03:56:52.3, 0.7, 1.17N-51.11E, mb4.1/16, mb4.1/2/17, mb1mx4.2/25, mbtmp4.1/17, ML3.2/1, MS4.2/5, Ms1.4/2/5, CM1, mb1mx3.7/20, Error ellipse: s-maj=17.2km s-min=15.9km az=56.0

NEIC 25 03:56:54.0, 0.4, 1.32N-51.14E, h10km, mb4.0/5, Error ellipse: s-maj=10.7km s-min=8.4km az=75.0

OMAN 25 03:56:56.7, 13.70N-50.76E, h30km, Error ellipse:



s-maj=141.9km s-min=13.3km az=298.0
ISC 25 03:56:51.5, 2.9, 13.35N, 0.05, 51.13E, 0.06, h7km, 19km,
n47, r132/44, mb4.3/22, MS4.3/4, 4C-4D, Eastern Gulf of
Aden

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like ABTO Aybut, RBK Rabkut, RBK Wadi Hawf, BDHA Al Bayda, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like CMAR Chiang Mai Arr, BOSA Boshof, FINES FINESS Array B, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like MDJ Muanjiang, FITZ Fitzroy Cross, MAW Mawson, etc.

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

IDC 25 05:02:08.2, 3.0, 2.50S, 98.67E, mb3.6/6, mb1 3/7/6,
mb1mx3.6/18, mbtmp3.6/6, Error ellipse:
s-maj=138.1km s-min=21.3km az=56.0, Southwest of
Sumatera

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

IDC 25 05:02:45.0, 1.7, 30.53N, 56.76E, mb3.8/10, mb1 4/0/10,
mb1mx3.8/23, mbtmp3.8/10, Error ellipse: s-maj=39.9km
s-min=25.1km az=12.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like KRRB Kerman, KRRB Kerman, IBAF Bafagh, etc.

IDC 25 05:02:47.2, 0.6, 30.73N, 0.05, 56.75E, 0.06, h13km, 12km,
n40, r096/44, mb3.8/9, Northern and central Irian

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like KRRB Kerman, IBAF Bafagh, IMOK Mook, etc.

SSS 25 05:26:18.9, 11.92N, 88.54W, h24km, MD3.8, ML3.6
INET 25 05:26:19.9, 11.96N, 88.45W, h5km, MD3.6, ML3.6
CASC 25 05:26:19.4, 11.91N, 88.53W, h28km, gkm, MD3.8,
ML3.5, 16C-9D, Off coast of central America

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like CNCH Conchagua, CNCH Conchagua, BLML Bellamira, etc.

mb1mx4.3/22, mbtmp4.3/16, ML4.4/1, MS3.8/5, Ms1 3.8/5,
ms1mx3.5/21, Error ellipse: s-maj=37.6km s-min=13.8km
az=51.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like CMAR Chiang Mai Arr, IPM Iphoh, KULM Kulim, etc.

NEIC 25 05:57:32.8, 0.16, 0.22N, 93.95W, h65km, MD3.7 (MEX), After
MEX.
MEX 25 05:57:32.8, 0.16, 0.22N, 93.94W, h85km, 27km, MD3.7, 1C,



Table with columns: XAN, comp-Z, location, time, and status. Includes entries for Hyderabad, Lanzhou, Daman, Beijing, etc.

Table with columns: ZAK, comp-Z, location, time, and status. Includes entries for Kashi, Yuzh-Sakhalins, Makanchi Array, etc.

Table with columns: SNA, comp-E, location, time, and status. Includes entries for Sanae, Neumayer-Watz, etc.

BUI 25 08:11:16.3, 2.02Sx100.64E, h35km, mb5.0, mb5.9, NEIC 25 08:11:18.5-0.3, 1.87S-100.43E, h30km, mb4.9/8, Error ellipse: s-maj=12.1km s-min=5.5km az=56.0

ISC 25 08:11:22.9, 0.7, 1.79S-100.50E, h64km, mb4.3/16, mb1.4/5.16, mb1mx4.3/20, mbtmp4.6/16, MS4.0/2, Ms1.3.9/2, ms1mx3.3/37, Error ellipse: s-maj=24.3km s-min=10.6km az=55.0

ISC 25 08:11:21.2, 0.4, 1.78S-100.08E, 0.10, h63km, mb3km, 3.8km, pp-P, m61, c079/46, mb4.8/23, 1C-1D, Southern Sumatera

Table with columns: Code, Station Name, Az, Phase II, Time, Res. Includes entries for KGM, CM31, CMAR, FITZ, etc.











Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TEL3 Telica 3, TELN Telica, CNNG Cerro Negro, etc.

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

IDC 25 12:04:42.1-9.5, 21.59Sx176.00W, h232km, 87km, mb3.5/7, mb1 3.8/8, mb1mx3.6/18, mbtmp4.1/8, Error ellipse: s-maj=94.0, s-min=26.3, az=154.0

NEIC 25 12:04:45.5-21.70S, 176.00W, h262km, 49km, mb4.2/2, Error ellipse: s-maj=66.8, s-min=18.8, az=152.0

ISC 25 12:04:42.7-1.4, 21.6S, 0.5-176.1W, 0.3, h250km, n15, 0.65/13, mb3.7/8, Fijii Islands region

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

NIED 25 12:14:00, 42.30N, 143.00E, h56km, Mw3.9 Best double couple: M2.76x10^14 N P1.9x29°, S71°, 1.92°. NP2.9x204°, 81°, 1.85°

MOS 25 12:14:17.7-1.1, 42.28N, 142.96E, h68km, mb4.1/4, Error ellipse: s-maj=18.5km, s-min=9.6km, az=81.3

JMA 25 12:14:19.6-0.1, 42.30N, 143.02E, h50km, 1km, M3.8 JMA Felt 1 J1, IDC 25 12:14:20.2-2.1, 42.23N, 143.00E, h75km, 16km, mb3.5/11, mb1 3.6/12, mb1mx3.5/24, mbtmp3.7/12, Error ellipse: s-maj=21.0km, s-min=14.9km, az=109.0

NEIC 25 12:14:20.2-0.8, 42.27N, 142.99E, h75km, 8km, mb4.1/3, Error ellipse: s-maj=11.1km, s-min=7.1km, az=113.0

ISC 25 12:14:17.6-0.5, 42.25N, 0.05-143.02E, 0.06, h67km, 3km, n38, 0.81/46, mb3.7/15, 3C-4D, Hokkaido region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JNBK Urakawa-nobuka, JNBK Urakawa-nobuka, JEM Erimo, etc.

IDC 25 10:58:56.4-6.0, 19.28N, 96.26E, mb3.9/3, mb1 4.0/3, mb1mx3.5/20, mbtmp3.9/3, ML2.7/1, Error ellipse: s-maj=139.5km, s-min=32.2km, az=38.0, Myanmar

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

NEIC 25 11:53:39.6-1.2, 5.83S, 128.73E, h309km, 13km, mb4.2/7, Error ellipse: s-maj=12.5km, s-min=7.1km, az=53.0

IDC 25 11:53:43.1-3.0, 5.90S, 128.78E, h350km, 33km, mb3.6/8, mb1 3.9/12, mb1mx3.7/19, mbtmp4.6/12, Error ellipse: s-maj=25.3km, s-min=9.4km, az=66.0

ISC 25 11:53:37.5-1.5, 5.81S, 0.08-128.8E, 0.1, h302km, 16km, n29, 0.87/33, mb4.1/15, 3D, Banda Sea

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SKHL 25 12:43:39.7-1.3, 45.94N, 151.44E, h95km, 25km, mb4.9/4, msh5.9/2, etc.

MOS 25 12:43:41.2-1.0, 46.34N, 150.94E, h94km, mb4.7/32, Error ellipse: s-maj=10.5km, s-min=5.8km, az=105.5

BUI 25 12:43:43.4, 46.13N, 151.08E, h129km, mb4.6, mb4.7 IDC 25 12:43:44.2-2.9, 46.14N, 151.04E, h118km, 26km, mb4.1/30, mb1 4.2/31, mb1mx4.1/36, mbtmp4.4/31, MS3.2/1, Ms1 3.3/1, ms1mx2.4/29, Error ellipse: s-maj=15.0km, s-min=10.9km, az=147.0

NEIC 25 12:43:45.7-1.1, 46.16N, 151.06E, h131km, 9km, mb4.6/38, Error ellipse: s-maj=9.3km, s-min=5.4km, az=151.0

JMA 25 12:43:46.0, 46.45, 151.04E, h122km, M4.0, ISC 25 12:43:41.3-0.6, 45.99N, 0.04-151.05E, 0.06, h109km, 5km, n224, 1.91/6/243, mb4.5/83, 13C-5D, Kuril Islands

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

NEM2 Nemuro 2 4.61 237 P S 12 44 49.3 -0.8

JRA Rausu 4.66 246 P P 12 44 52.3 +1.2

JNK Nakash 5.11 244 P P 12 44 57.8 +1.0

JAK Akkeshi 5.44 239 P P 12 45 01.0 -0.3

JTKR Abashiri-Toko 5.45 251 P P 12 45 03.2 +1.7

JMP Maruseppu 5.80 253 P P 12 45 08.1 +1.9

JYZ Yuzh-Sakhalins 5.81 282 ePN P 12 45 09.9 +3.6

YSS YSS 5.81 282 ePN P 12 45 11.4

YSS YSS 5.81 282 ePN P 12 45 11.4

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YSS YSS 5.81 282 ePN P 12 45 11.4















25d 19h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like MKAR Makanchi Array, FINES FINESS Array B, KAF Kangasniemi, etc.

TAP 25 17:39:05.6, 24.74N, 122.56E, h116km, 1km, ML2.9
JMA 25 17:39:05.0-0.2, 24.88N, 122.53E, h110km, Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like YOJ Yonaguni jima, YOJ Iriomote-Funau, etc.

NEIC 25 17:56:30.7, 19.21N-69.16W, h25km, MD3.5(RSPR), After RSPR.
RSPR 25 17:56:30.7, 19.21N-69.16W, h25km, MD3.5/4, MD3.5/4, 6C, Dominican Republic region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like AGPR Aguadilla, PR, LSP Las Mesas, etc.

BER 25 18:00:08.9-3.8, 57.40N-9.76E, h15km, 36km, MD2.5, ML1.7

IDC 25 18:00:12.4-2.2, 57.87N-9.93E, mb1 3.3/4, mb1mx3.1/24, mbmp3.2/4, ML2.9/4, Error ellipse: s-maj=19.5km, s-min=15.7km az=81.0

ISC 25 18:00:07.3-0.6, 57.73N-0.04-1.0, 0.09, h10km, n12, 0.1538/22, Denmark

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

IDC 25 18:00:45.0-2.2, 1.44N-126.30E, mb3.1/3, mb1 3.4/3, mb1mx3.2/17, mbmp3.2/3, Error ellipse: s-maj=187.1km s-min=27.0km az=65.0, Northern Molucca Sea

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

DJA 25 18:43:20.4-0.8, 9.58S-114.99E, h33km, ML4.1/4, 3C-5D, Error ellipse: s-maj=21.1km s-min=7.4km az=10.0, South of Bali

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

IDC 25 18:49:53.6-1.8, 0.24S-125.43E, mb3.1/3, mb1 3.4/3, mb1mx3.2/18, mbmp3.2/3, Error ellipse: s-maj=184.1km s-min=25.3km az=64.0, Southern Molucca Sea

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

IDC 25 18:49:56.0-1.8, 1.69N-96.21E, mb3.7/6, mb1 3.9/7, mb1mx3.7/20, mbmp3.8/7, ML3.8/1, Error ellipse: s-maj=74.9km s-min=20.1km az=58.0

NEIC 25 18:50:01.9-0.8, 1.92N-96.64E, h30km, mb4.0/3, Error ellipse: s-maj=11.4km s-min=5.3km az=160.0

2005 APR

ellipse: s-maj=20.5km s-min=11.0km az=65.0
ISC 25 18:49:60.0-1.0, 1.90N-0.966E-0.2, h30km, n11, 0.082/11, mb3.8/8, Off west coast of northern Sumatera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like KULM Kulim, CM31 Chiang Mai Arr, etc.

CSEM 25 19:00:07.6-0.6, 41.93N-23.11E, h2km, ML2.8, Error ellipse: s-maj=10.2km s-min=5.3km az=160.0

THE 25 19:00:10.4, 41.80N-23.13E, h2km, ML2.8
ATH 25 19:00:19.2, 41.27N-23.90E, h10km, MD3.1/3
ISC 25 19:00:06.7-1.5, 41.94N-0.07-23.14E-0.07, h10km, n10, 0.059/19, Greece-Bulgaria border region

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

IDC 25 19:07:17.5-1.9, 9.89N-93.00E, mb3.5/2, mb1 3.8/3, mb1mx3.3/21, mbmp3.5/3, ML3.6/1, Error ellipse: s-maj=114.5km s-min=43.3km az=91.0, Nicobar Islands region

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

MOS 25 19:10:31.6-0.9, 36.47N-70.86E, h199km, mb3.9/1, Error ellipse: s-maj=43.6km s-min=16.3km az=82.4

NEIC 25 19:10:31.6-5.8, 36.40N-70.94E, h184km, 34km, mb3.9/2, Error ellipse: s-maj=59.8km s-min=20.3km az=190.0

IDC 25 19:10:36.7-14.0, 36.75N-71.01E, h215km, 99km, mb3.2/5, mb1 3.4/8, mb1mx3.1/23, mbmp3.9/8, Error ellipse: s-maj=115.6km s-min=24.5km az=8.0

ISC 25 19:10:34.2-1.4, 36.57N-0.07-71.0E-0.2, h219km, 13km, n32, 0.0568/34, mb3.4/5, 1D, Hindu Kush region

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

USP comp=Z, 8.0nm, 0.4s 7.21 21 P P 19 12 17.8 -0.2

TKM2 Tokmak 2 7.27 28 P P 19 12 18.9 +0.2

SMLA Simla 7.48 135 11 P P 19 12 18.0 -3.4

SMIA SMLA comp=Z, 343nm, 0.4s 13.24 36 P P 19 13 33.6 -1.2

MKAR Makanchi Array 13.24 36 P P 19 13 33.6 -1.2

KOLN Koldanda 13.82 126 eP P 19 13 42.3 +0.2

GKN Gorkha comp=Z, 7.7nm, 0.3s 14.35 123 eP P 19 13 48.9 +0.2

DMN Daman comp=Z, 1.6nm, 0.3s 14.92 123 eP P 19 13 55.0 +0.0

KKN Kakani comp=Z, 2.1nm, 0.6s 14.93 122 eP P 19 13 55.7 -0.1

PJK Pulchoki comp=Z, 7.4nm, 0.2s 15.15 122 eP P 19 13 58.6 +0.0

IRI Jiri comp=Z, 1.8nm, 0.4s 15.63 120 eP P 19 14 04.8 +0.3

BVAR Borovoye Array 16.46 359 P P 19 14 13.3 -0.9

CHKZ Chkalovo comp=Z, 0.4nm, 0.3s, baz=164, slow=12, SNR=9.5 17.14 359 P P 19 14 21.2 -0.3

CHKZ Chkalovo comp=Z, 1.0nm, 0.4s 17.11 359 P P 19 14 21.2 -0.3

ZAL Zalesovo comp=Z, 0.8nm, 0.4s 19.84 25 P P 19 14 49.0 -0.7

SONM Songino Array 28.31 55 P P 19 16 10.0 +0.7

FINES FINESS Array B 37.42 326 P P 19 17 27.7 +0.2

ARCES ARCESS Array B 41.07 338 P P 19 17 58.0 +0.5

NB2 NORPAR Subarra 44.32 323 P P 19 18 23.3 -0.3

NOA NORPAR Arr B 44.32 323 P P 19 18 23.3 -0.3

YKA Yellowknife Arr 81.18 3 P P 19 22 26.5 +0.4

NEIC 25 19:12:34.6-1.0, 5.38S-150.40E, h60km, mb4.0/1, Error ellipse: s-maj=53.5km s-min=15.1km az=126.0

IDC 25 19:12:35.8-5.9, 5.51S-150.47E, h70km, 52km, mb3.7/4, mb1 3.9/5, mb1mx3.5/15, mbmp4.0/5, ML2.2/1, MS3.3/1, Ms1 3.3/1, ms1mx2.9/20, Error ellipse: s-maj=79.7km s-min=33.4km az=117.0

ISC 25 19:12:35.1-4.0, 5.55S-0.3-150.4E-0.4, h76km, 31km, n9, 0.032/9, mb3.8/5, 1C, New Britain region

924

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

IDC 25 19:24:1.2-2.3, 1.10N-96.97E, mb3.8/6, mb1 4.0/7, mb1mx3.7/21, mbmp3.8/7, ML3.8/1, Error ellipse: s-maj=93.5km s-min=20.5km az=58.0

NEIC 25 19:24:46.3-0.7, 1.21N-97.16E, h30km, mb4.1/3, 1/3, Error ellipse: s-maj=18.8km s-min=9.2km az=64.0

ISC 25 19:24:44.2-1.1, 1.2M-0.1-97.1E-0.2, h30km, n11, 0.085/11, mb3.8/9, MS3.6/1, Northern Sumatera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like KULM Kulim, CMR Chiang Mai Arr, etc.

IDC 25 19:46:28.9-2.7, 1.25N-97.33E, mb3.9/6, mb1 4.1/7, mb1mx3.8/20, mbmp3.9/7, ML4.0/1, Error ellipse: s-maj=111.4km s-min=18.4km az=61.0

NEIC 25 19:46:32.9-0.8, 1.20N-97.23E, h30km, mb4.2/4, Error ellipse: s-maj=18.1km s-min=8.5km az=66.0

ISC 25 19:46:33.2-4.9, 1.3N-0.2-97.3E-0.2, h46km, 40km, n19, 0.061/19, mb4.2/13, Northern Sumatera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like KULM Kulim, CM31 Chiang Mai Arr, etc.

IDC 25 19:51:53.7-1.0, 1.14N-96.98E, mb3.9/10, mb1 4.1/11, mb1mx4.0/20, mbmp3.9/11, ML3.8/1, MS3.7/1, Ms1 3.9/1, ms1mx3.1/26, Error ellipse: s-maj=46.1km s-min=16.7km az=53.0

Bull 25 19:51:54.1, 1.53N-96.92E, h12km, mb4.7, mb4.6, Ms4.4, Ms24.1

NEIC 25 19:51:58.0-0.4, 1.22N-97.14E, h30km, mb4.5/7, Error ellipse: s-maj=9.4km s-min=0.8km az=66.0

ISC 25 19:51:58.0-1.1, 1.25N-0.07-97.24E-0.08, h37km, 13km, h23km, 4.1km, pp-P, n40, 0.079/43, mb4.4/26, MS4.1/4, 2C, Northern Sumatera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like KULM Kulim, CM31 Chiang Mai Arr, etc.

JIRN Jirani comp=Z, 650nm, 12.6s, MS4.4 28.32 339 eP P 19 57 51.2 +0.6

PKI Pulchoki comp=Z, 2.1nm, 0.9s, mb4.8 28.53 338 eP P 19 57 53.7 +1.2

DMN Daman comp=Z, 1.7nm, 0.9s, mb4.8 28.66 337 eP P 19 57 54.3 +0.5

KKN Kakani comp=Z, 1.7nm, 0.9s, mb4.8 28.77 338 eP P 19 57 54.6 -0.1



25d 20h

Table with columns for station name, frequency, power, and signal strength. Includes stations like Shehan, Kunigami, Waramunga Arr, etc.

2005 APR

Table with columns for station name, frequency, power, and signal strength. Includes stations like Rabtuk, ARQ, ULHL, KZA, WHFO, etc.

926

Table with columns for station name, frequency, power, and signal strength. Includes stations like Zalesovo, AI Khamasin, Novosibirsk, etc.









Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TACH Talagante, CHCH Chadas Angostu, CICH Cipreses, etc.

IDC 25 21:28:22.6±2.6, 35.77N, 140.91E, mb3.4/3, mb1 3.5/5, mb1mx3.4/24, mbtmp3.5/5, ML3.3/2, Error ellipse: s-maj=59.3km s-min=23.1km az=60.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CHOI Chosi, CHOU Chou, JCN Nagara, etc.

IDC 25 21:34:12.5±3.6, 4.13S, 144.38E, mb3.4/3, mb1 3.8/4, mb1mx3.5/15, mbtmp3.6/4, Error ellipse: s-maj=96.0km s-min=31.0km az=101.0, Near north coast of New Guinea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warrunguna Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, etc.

BJI 25 21:38:19.0, 1.08N, 97.30E, h26km, mb5.2, mb4.7, Ms4.4, Ms2.4

IDC 25 21:38:20.1±0.7, 1.16N, 97.06E, h20km, mb4.0, mb4.0/13, mb1 4.1/4, mb1mx4.0/22, mbtmp4.1/14, ML4.4/1, Error ellipse: s-maj=30.3km s-min=12.9km az=52.0

NEIC 25 21:38:20.0±0.4, 1.17N, 97.07E, mb4.6/5, Error ellipse: s-maj=10.3km s-min=7.8km az=13.0

ISC 25 21:38:20.1±5.6, 1.2N, 0.1, 97.2E±0.1, h30km, 39km, h23km, 1.8km, pP-P, n52, 1.101/52, mb4.4/29, MS4.3/1, 2C, Northern Sumatra

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KULM Kulim, KSM Kuching, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KOLN Koldanda, XAN Xi'an, XAN, etc.

IDC 25 21:40:12.1±0.4, 0.39N, 97.25E, mb4.7/29, mb1 4.7/30, mb1mx4.7/31, mbtmp4.7/30, ML4.6/1, MS4.7/4, Ms1 4.7/4, ms1mx4.2/16, Error ellipse: s-maj=13.8km s-min=10.3km az=52.0

MOS 25 21:40:15.6±1.0, 0.43N, 97.28E, h33km, mb5.3/45, MS4.9/27, Error ellipse: s-maj=11.0km s-min=5.4km az=117.7

BUI 25 21:40:16.1, 0.27N, 97.47E, h41km, mb5.5, mb4.9, Ms5.4, Ms2.3

HRVD 25 21:40:17.4±0.3, 0.43N, 97.28E, h13km, MW5/2/58, Centroid moment Tensor Solution. LP body waves: s43.07, Mantle waves: s58.c113; Half duration: 160

NEIC 25 21:40:17.4±0.2, 0.40N, 97.29E, mb5.0/38, MS5.0/103, Error ellipse: s-maj=5.6km s-min=4.3km az=45.0

ISC 25 21:40:14.9±0.2, 0.32N, 0.03, 97.28E±0.03, h31km, h31km, 1.3km, pP-P, n59, 0.031/52, mb4.9/89, MS5.1/138, 18C-11D, Northern Sumatra

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IPH Iphoh, KULM Kulim, KGM Klung, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CAL Calcutta, AGT Agartala, HYB Hyderabad, etc.

IDC 25 21:40:12.1±0.4, 0.39N, 97.25E, mb4.7/29, mb1 4.7/30, mb1mx4.7/31, mbtmp4.7/30, ML4.6/1, MS4.7/4, Ms1 4.7/4, ms1mx4.2/16, Error ellipse: s-maj=13.8km s-min=10.3km az=52.0

MOS 25 21:40:15.6±1.0, 0.43N, 97.28E, h33km, mb5.3/45, MS4.9/27, Error ellipse: s-maj=11.0km s-min=5.4km az=117.7

BUI 25 21:40:16.1, 0.27N, 97.47E, h41km, mb5.5, mb4.9, Ms5.4, Ms2.3

HRVD 25 21:40:17.4±0.3, 0.43N, 97.28E, h13km, MW5/2/58, Centroid moment Tensor Solution. LP body waves: s43.07, Mantle waves: s58.c113; Half duration: 160

NEIC 25 21:40:17.4±0.2, 0.40N, 97.29E, mb5.0/38, MS5.0/103, Error ellipse: s-maj=5.6km s-min=4.3km az=45.0

ISC 25 21:40:14.9±0.2, 0.32N, 0.03, 97.28E±0.03, h31km, h31km, 1.3km, pP-P, n59, 0.031/52, mb4.9/89, MS5.1/138, 18C-11D, Northern Sumatra

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CD2 CD2, CD2 CD2, CD2 CD2, etc.

IDC 25 21:40:12.1±0.4, 0.39N, 97.25E, mb4.7/29, mb1 4.7/30, mb1mx4.7/31, mbtmp4.7/30, ML4.6/1, MS4.7/4, Ms1 4.7/4, ms1mx4.2/16, Error ellipse: s-maj=13.8km s-min=10.3km az=52.0

MOS 25 21:40:15.6±1.0, 0.43N, 97.28E, h33km, mb5.3/45, MS4.9/27, Error ellipse: s-maj=11.0km s-min=5.4km az=117.7

BUI 25 21:40:16.1, 0.27N, 97.47E, h41km, mb5.5, mb4.9, Ms5.4, Ms2.3

HRVD 25 21:40:17.4±0.3, 0.43N, 97.28E, h13km, MW5/2/58, Centroid moment Tensor Solution. LP body waves: s43.07, Mantle waves: s58.c113; Half duration: 160

NEIC 25 21:40:17.4±0.2, 0.40N, 97.29E, mb5.0/38, MS5.0/103, Error ellipse: s-maj=5.6km s-min=4.3km az=45.0

ISC 25 21:40:14.9±0.2, 0.32N, 0.03, 97.28E±0.03, h31km, h31km, 1.3km, pP-P, n59, 0.031/52, mb4.9/89, MS5.1/138, 18C-11D, Northern Sumatra

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WHN Whn, WHN Whn, WHN Whn, etc.

LZH	Lanzhou	36.10	9	eP	P	21 47 16.5 +0.4
LZH	comp=Z,40nm,1.2s,mb5.2					
LZH				pP	pP	21 47 23.0 -2.3
LZH				sP	sP	21 47 26.1 -3.2
LZH				PP	PP	21 48 39.0 +0.3
LZH				S	S	21 52 49.0 -3.8
LZH				sS	sS	21 53 02.0
LZH				SS	SS	21 55 17.0 +0.3
LZH				LR	LR	
MUN	comp=Z,4um,12.8s,MS5.4					
MUN	Mundaring	36.78	153	eP	P	21 47 23.6 +1.7
MUN	comp=Z,56nm,1.0s,mb5.3					
MUN	Mundaring	36.78	153	eP	P	21 47 23.6 +1.7
MUN				pmax	pmax	
NJ2	comp=Z,56nm,1.0s,mb5.3					
NJ2	Nanjing	37.57	31	eP	P	21 47 30.3 +1.8
NJ2				AP	pP	21 47 40.0 +2.3
NJ2				XP	pP	21 47 44.0 +2.4
NJ2				PP	PP	21 48 59.3 +2.1
NJ2				S	S	21 53 17.0 +1.7
NJ2				XS	S	21 53 33.0
NJ2				AMB	AMB	
NJ2	comp=Z,30nm,0.8s,mb5.1					
NJ2				AMB	AMB	
NJ2	comp=Z,2um,10.0s					
NJ2				LR	LR	
NJ2	comp=N,5um,15.2s,MS5.7					
NJ2				LR	LR	
NJ2	comp=E,7um,11.9s,MS5.7					
NJ2				LR	LR	
NWAO	Narogin (SRO)	38.05	152	P	P	21 47 33.9 +1.4
NWAO	comp=Z,20nm,0.8s,mb4.9,baz=322,slow=10.0,SNR=11					
NWAO	Narogin (SRO)	38.05	152	P	P	21 47 33.9 +1.4
NWAO				LR	LR	
SSE	comp=Z,1um,20.0s,MS4.7					
SSE	Sheshan	38.08	34	P	P	21 47 33.3 +0.5
SSE				AP	pP	21 47 42.0 -0.1
SSE				XP	pP	21 47 46.0 0.0
SSE				S	S	21 53 24.0 +0.9
SSE				XS	S	21 53 40.3
SSE				AMB	AMB	
SSE	comp=Z,45nm,0.7s,mb5.3					
SSE				AMB	AMB	
SSE	comp=Z,366nm,7.0s					
SSE				LR	LR	
SSE	comp=N,3um,12.2s,MS5.5					
SSE				LR	LR	
SSE	comp=E,3um,12.2s,MS5.5					
SSE				LR	LR	
SSE	comp=Z,6um,12.8s,MS5.6					
SSE	Sheshan	38.08	34	P	P	21 47 33.2 +0.4
SSE	comp=Z,45nm,0.7s,mb5.3					
SSE				pP	pP	21 47 42.1 0.0
SSE				sP	sP	21 47 46.0 0.0
SSE				S	S	21 53 24.0 +0.9
SSE				sS	sS	21 53 40.3
SSE				LR	LR	
GTA	comp=Z,6um,12.8s,MS5.6					
GTA	Gaotai	38.97	3	eP	P	21 47 40.3 +0.1
GTA				AP	pP	21 47 50.8 +1.4
GTA				XP	pP	21 47 54.8 +1.5
GTA				PP	PP	21 49 12.8 -0.7
GTA				PPP	PPP	21 49 35.8 -1.1
GTA				PCP	PCP	21 49 55.0 +4.3
GTA				AMB	AMB	
GTA	comp=Z,6.0nm,2.4s,mb3.9					
GTA				AMB	AMB	
GTA	comp=Z,190nm,8.0s					
GTA				LR	LR	
GTA	comp=N,2um,12.2s,MS5.2					
GTA				LR	LR	
GTA	comp=E,1um,11.8s,MS5.2					
GTA				LR	LR	
JOW	comp=Z,3um,12.9s,MS5.4					
JOW	Kunigami	39.78	46	P	P	21 47 47.5 +0.4
JOW	comp=Z,6.5nm,0.5s,mb4.7,baz=256,slow=8.9,SNR=5.9					
JOW	Taian	40.18	25	eS	P	21 47 49.0 -1.2
JOW				P	P	21 54 00.0 +5.3
TIA				LR	LR	
TIA	comp=N,1um,11.6s,MS5.2					
TIA				LR	LR	
WRA	comp=E,1um,13.3s,MS5.2					
WRA	Warramunga Arr	41.51	121	P	P	21 48 01.0 -0.4
WRA	comp=E,15nm,0.9s,mb4.6,baz=304,slow=9.3,SNR=41					
WRAB	Tennant Creek	41.52	121	eP	P	21 48 01.2 -0.2
WRAB	Tennant Creek	41.52	121	eP	P	21 47 59.6 -1.8
WRAB				LR	LR	
WRAB	comp=E,41nm,1.0s,mb5.0					
WB2	Warramunga Arr	41.52	121	iP	P	21 48 00.7 -0.8
BTO	Baotou	41.73	15	eP	P	21 48 01.0 -1.9
BTO				LR	LR	
BTO	comp=N,2um,12.8s,MS5.4					
BTO				LR	LR	
MSEY	comp=E,3um,16.1s,MS5.4					
MSEY	Mahe Island	42.05	263	PFAKE	P	21 48 20.0 +1.4
MSEY				LR	LR	
MSEY	comp=Z,248nm,19.0s,MS4.1					
MSEY	Hu-ho-hao-te	42.37	16	eP	P	21 48 09.3 +1.1
MSEY				AP	pP	21 48 25.8 -2.0
MSEY				SCP	pP	21 51 57.0
MSEY				sP	sP	21 48 29.5 +2.1
MSEY				P	P	21 53 51.5
MSEY				S	S	21 54 32.0 +4.9
MSEY				AMB	AMB	
MSEY	comp=Z,24nm,1.3s,mb4.7					
MSEY				AMB	AMB	
MSEY	comp=Z,502nm,4.8s					
MSEY				LR	LR	
MSEY	comp=N,2um,12.5s,MS5.2					
MSEY				LR	LR	
MSEY	comp=E,944nm,14.3s,MS5.2					
MSEY				LR	LR	
MSEY	comp=Z,2um,12.7s,MS5.2					
MSEY	Forrest	42.56	139	eP	P	21 48 11.5 +1.6
MSEY	comp=Z,930nm,0.7s					
MSEY	ASP Alice Springs	42.81	126	iP	P	21 48 12.7 +0.7
MSEY	ASAR Alice Springs	42.81	126	P	P	21 48 12.0 0.0
MSEY	comp=Z,12nm,0.8s,mb4.7,baz=303,slow=7.6,SNR=46					
MSEY	Beijing	43.12	21	P	P	21 48 15.3 +1.0
MSEY				AP	pP	21 48 25.8 +2.2
MSEY				XP	pP	21 49 56.5 -0.1
MSEY				PP	PP	21 54 39.8 +1.7
MSEY				S	S	21 54 58.5
MSEY				XS	S	21 54 58.5
MSEY				AMB	AMB	
MSEY	comp=Z,33nm,1.4s,mb4.9					
MSEY				AMB	AMB	
MSEY	comp=Z,677nm,4.4s					
MSEY				LR	LR	
MSEY	comp=N,2um,11.2s,MS5.4					
MSEY				LR	LR	
MSEY	comp=E,2um,11.9s,MS5.4					
MSEY				LR	LR	
MSEY	comp=Z,801nm,15.7s,MS4.7					
MSEY	Beijing	43.12	21	P	P	21 48 15.3 +1.0
MSEY				*PP	pP	21 48 25.8 +2.2
MSEY				*SP	sP	21 48 29.6 +2.2
MSEY				S	S	21 49 56.5
MSEY				SS	SS	21 54 39.8 +1.7
MSEY				*SS	SS	21 54 58.5
MSEY				pmax	pmax	21 58 01.8 +1.7
MSEY	comp=Z,33nm,1.4s,mb4.9					
MSEY				MLR	MLR	
MSEY	comp=Z,800nm,15.7s,MS4.7					
MSEY	Beijing	43.12	21	P	P	21 48 15.3 +1.0
MSEY	comp=Z,33nm,1.4s,mb4.9					
MSEY				pP	pP	21 48 25.8 +2.2
MSEY				sP	sP	21 48 29.6 +2.2
MSEY				PP	PP	21 54 39.8 +1.7
MSEY				S	S	21 54 58.5
MSEY				sS	sS	21 54 58.5
MSEY				SS	SS	21 58 01.8 +1.7
MSEY				LR	LR	
KSH	comp=Z,800nm,15.7s,MS4.7					
KSH	Kashi	43.60	336	eP	P	21 48 18.0 -0.2
KSH				eAP	pP	21 48 27.0 -0.5
KSH				eXP	pP	21 48 32.0 +0.7
KSH				ePP	pP	21 50 01.0 -0.4
KSH				ePCP	pP	21 50 06.0 +0.1
KSH				ePPP	PPP	21 50 37.0 -1.1
KSH				eSCP	PPP	21 53 54.3
KSH				ePCS	PPP	21 53 58.0

KSH				eS	S	21 54 43.0 -2.0
KSH				LR	LR	
KSH	comp=N,2um,13.2s					
KSH	comp=E,690nm,9.3s					
WMQ	Urumqi	44.14	350	iP	P	21 48 23.5 +0.9
WMQ				PP	PP	21 50 08.0 +1.2
WMQ				S	S	21 54 55.5 +2.6
WMQ				AMB	AMB	
WMQ	comp=Z,35nm,1.4s,mb4.9					
WMQ				LR	LR	
WMQ	comp=N,496nm,22.1s,MS4.5					
WMQ				LR	LR	
WMQ	comp=E,569nm,24.3s,MS4.5					
WMQ				LR	LR	
WMQ	comp=Z,449nm,19.1s					
DL2	Dalian	44.41	27	P	P	21 48 25.5 +0.7
DL2				AP	pP	21 48 35.3 +1.2
DL2				XP	sP	21 48 43.5 +5.6
DL2				S	S	21 55 00.8 +4.0
DL2				AMB	AMB	
DL2	comp=Z,20nm,1.0s,mb4.8					
DL2				AMB	AMB	
DL2	comp=Z,340nm,4.7s					
DL2				LR	LR	
DL2	comp=N,600nm,11.6s,MS5.0					
DL2				LR	LR	
DL2	comp=E,930nm,13.1s,MS5.0					
DL2				LR	LR	
DL2	comp=Z,930nm,12.5s,MS4.9					
KS15	Wonju Array Si	46.49	34	eP	P	21 48 39.5 -1.8
TKM2	Tokmak 2	46.65	338	P	P	21 48 43.9 +1.3
KBK	Karagaybulak	46.67	337	P	P	21 48 44.4 +1.7
KBK	SNR=8.4					
AML	Almayashu	46.73	336	P	P	21 48 44.8 +1.6
AML	SNR=11					
AAK	Ala-Archa	46.83	337	eP	P	21 48 44.2 +0.3
AAK				pmax	pmax	
AAK	comp=Z,34nm,1.3s,mb5.1					
AAK				MLR	MLR	
AAK	comp=Z,333nm,19.0s,MS4.3					
AAK	Ala-Archa	46.83	337	eP	P	21 48 44.2 +0.3
AAK	comp=Z,34nm,1.3s,mb5.1					
AAK				LR	LR	
FRU	comp=Z,333nm,19.0s,MS4.3					
FRU	Bishkek	46.95	337	eP	P	21 48 46.0 +1.1
FRU				e	e	21 48 53.0
FRU				pmax	pmax	
FRU	comp=Z,90nm,2.0s,mb5.3					
FRU				MLR	MLR	
FRU	comp=Z,2um,16.0s,MS5.0					
ERKS2	Erkin-Say	47.14	336	P	P	21 48 47.9 +1.5
ERKS2	SNR=7.1					
OSP	Ospenovka	47.37	337	P	P	21 48 48.6 +0.4
OSP	SNR=8.3					
SNY	Shenyang	47.64	27	iP	P	21 48 49.5 -0.9
SNY				AP	pP	21 48 57.0 -2.8
SNY				S	S	21 55 45.5 +2.6
SNY				AMB	AMB	
SNY	comp=Z,240nm,10.8s					
SNY				LR	LR	
SNY	comp=N,1um,13.2s,MS5.3					
SNY				LR	LR	
SNY	comp=E,2um,13.8s,MS5.3					
SNY				LR	LR	
SNY	comp=Z,2um,13.3s,MS5.2					
SNY				P	P	21 48 53.1 +0.2
SOMM	Songino Array	47.98	8	P	P	21 48 53.1 +0.2
SOMM	comp=Z,3.1nm,0.4s,mb4.7,baz=189,slow=8.2,SNR=13					
MKAN	Makanchi Arr	48.10	346	eP	P	21 48 54.1 +0.2
MKAN	comp=Z,6.3nm,0.4s,mb5.0,baz=182,slow=8.7,SNR=55					
ULN	Ulanbaatar					









Table with columns for flight codes (SSE, S, etc.), destinations (AP, S, etc.), times (22 16 24.5, etc.), and other flight details.

Table with columns for flight codes (LZH, FVW, etc.), destinations (Lanzhou, Forest Hill, etc.), times (60.66, etc.), and other flight details.

Table with columns for flight codes (KMI, TCM2, etc.), destinations (Kunming, Tokmak 2, etc.), times (69.30, etc.), and other flight details.



BOSA Boshof 154.14 329 PKPbc PKPdf 22 26 53.1 +11

IDC 25 22:20:21.8±0.1, 1.08N-126.99E, mb3.5/3, mb1 3.8/3, mb1mx3.4/17, mbtmp3.6/3, Error ellipse: s-maj=153.1km s-min=25.4km az=66.0, Northern Molucca Sea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res. Rows include WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Arr.

IDC 25 22:57:59.6±0.8, 2.19N-96.17E, mb4.3/15, mb1 4.4/16, mb1mx4.2/23, mbtmp4.3/16, ML4.5/1, MS3.7/4, Ms1 3.8/4, ms1mx3.5/25, Error ellipse: s-maj=32.7km s-min=13.9km az=51.0

MOS 25 22:58:02.6±1.0, 2.30N-96.28E, h33km, mb4.8/8, Error ellipse: s-maj=33.2km s-min=13.7km az=87.9

BUI 25 22:58:03.0±2.1, 18N-96.34E, h35km, mb5.2, mb4.9, Ms4.3, Ms4.0

NEIC 25 22:58:04.0±0.3, 2.26N-96.23E, h30km, mb4.5/10, Error ellipse: s-maj=8.7km s-min=5.6km az=46.0

ISC 25 22:58:03.0±0.6, 2.24N-10.07E, h28E±0.07, h33km, (h31km±5.8km; pP-P), n63.0/86/61, mb4.5/35, MS3.8/6, 3C-20, Northern Sumatra

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res. Rows include KULM Kulim, KSM Kuching, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr.

CMAR comp=Z, 220nm, 18.9s, baz=205, slow=40

KKM Kota Kinabalu 20.24 79 eP P 23 02 37.8 -0.5

SHL Shillong 23.58 350 eP P 23 03 11.0 -0.7

KMI Kunming 23.59 15 P P 23 03 13.0 +1.2

comp=Z, 12nm, 1.0s, mb4.3

KMI Kunming 23.59 15 P P 23 03 12.9 +1.1

comp=Z, 12nm, 1.0s, mb4.3

KMI Kunming 23.59 15 P P 23 03 12.9 +1.1

comp=Z, 12nm, 1.0s, mb4.3

KMI Kunming 23.59 15 P P 23 03 12.9 +1.1

comp=Z, 12nm, 1.0s, mb4.3

GYA Guiyang 26.07 22 jP P 23 03 37.0 +1.5

comp=Z, 20nm, 0.8s, mb4.7

JIRN Jiri 27.06 340 eP P 23 03 45.5 +0.9

comp=Z, 49nm, 0.8s, mb5.1

PKI Pulchoki 27.25 339 eP P 23 03 46.8 +0.4

DMN Daman 27.50 338 eP P 23 03 48.5 +0.8

comp=Z, 16nm, 0.7s, mb4.7

KKN Kakani 27.50 339 eP P 23 03 49.0 +0.4

comp=Z, 25nm, 0.8s, mb4.8

LSA Lhasa 27.74 350 P P 23 03 52.0 +1.2

GKGN Gorkha 27.93 338 eP P 23 03 53.1 +0.5

comp=Z, 26nm, 0.5s, mb5.1

KOLN Koldanda 28.14 336 eP P 23 03 55.1 +0.7

comp=Z, 22nm, 0.8s, mb4.8

XAN Xi'an 33.77 19 P P 23 04 42.8 -1.2

comp=Z, 27nm, 0.9s, mb5.2

LZH Lanzhou 34.40 11 pP P 23 04 48.8 -0.6

LZH Lanzhou 34.40 11 pP P 23 04 48.8 -0.6

comp=Z, 23nm, 1.0s, mb5.1

LZH Lanzhou 34.40 11 pP P 23 04 48.8 -0.6

comp=Z, 23nm, 1.0s, mb5.1

LZH Lanzhou 34.40 11 pP P 23 04 48.8 -0.6

comp=Z, 23nm, 1.0s, mb5.1

FITZ Fitzroy Crossi 35.28 126 jP P 23 04 56.8 -0.2

comp=Z, 5.5nm, 0.7s, mb4.6

FITZ Fitzroy Crossi 35.28 126 P P 23 04 56.5 -0.6

comp=Z, 8.2nm, 0.8s, mb4.7, baz=224, slow=2.1, SNR=7.4

Gaotai 37.14 5 eP P 23 05 12.8 +0.3

comp=Z, 19nm, 1.1s, mb4.6

GTA GTA 23 05 12.8 +0.3

GTA GTA 23 05 23.3 -3.2

GTA GTA 23 06 42.0 +2.2

GTA GTA 23 07 03.3 +3.2

GTA GTA 23 11 01.3 +5.0

GTA GTA 23 11 10.8

comp=Z, 13nm, 1.0s, mb4.7

STKA Stephens Creek 54.73 132 P P 23 07 31.0 -0.8

BVAR Borovoye Array 54.96 341 P P 23 07 32.2 -1.0

CHKZ Chkalovo 55.46 342 eP P 23 07 35.8 -0.9

CHKZ Chkalovo 55.46 342 eP P 23 07 35.8 -0.9

comp=Z, 4.8nm, 0.6s, mb4.7

KLR Kul'dur 55.76 27 eP P 23 07 36.0 -2.9

BOD Bodaibo 57.17 11 eP P 23 07 48.6 -0.4

comp=Z, 2.6, 0nm, 1.0s, mb4.1

YAK Yakutsk 64.69 17 eP P 23 08 38.2 -1.6

comp=N, 4.0nm, 0.9s

YAK Yakutsk 64.69 17 eP P 23 08 38.2 -1.6

comp=E, 2.0nm, 0.9s

BRTR Keskin Arr B 67.73 312 P P 23 08 58.6 -0.8

comp=Z, 0.8nm, 0.6s, mb3.6, baz=142, slow=7.1, SNR=5.2

AKASO Malin Array Be 73.88 322 P P 23 09 35.7 -0.7

comp=Z, 1.1nm, 0.5s, mb4.0, baz=88, slow=5.0, SNR=7.3

AKASO Malin Array Be 73.88 322 P P 23 09 35.7 -0.7

JOFF Joensuu 76.82 355 P P 23 09 53.9 +0.9

FINES FINES Array B 76.86 333 eP P 23 10 03.1 0.0

comp=Z, 1.3nm, 0.5s, mb4.1, baz=111, slow=5.9, SNR=25

KAF Kangasieni 78.75 333 eP P 23 10 03.2 -0.4

comp=Z, 1.5nm, 0.5s, mb4.2, baz=102, slow=5.0

KAF Kangasieni 78.75 333 eP P 23 10 03.2 -0.4

comp=Z, 2.0nm, 0.5s, mb4.3

KEV Kevo 80.82 341 eP P 23 10 14.4 -0.3

comp=Z, 1.8nm, 1.2s, mb4.9

KEV Kevo 80.82 341 eP P 23 10 14.4 -0.3

comp=Z, 1.8nm, 1.2s, mb4.9

ARCES ARCESS Array B 81.25 340 P P 23 10 17.9 +1.0

comp=Z, 1.4nm, 0.4s, mb4.3, baz=96, slow=5.6, SNR=34

ARCES ARCESS Array B 81.25 340 P P 23 10 17.9 +1.0

GERES GERESS Array B 83.43 319 P P 23 10 30.2 +1.7

comp=Z, 0.6nm, 0.7s, mb3.7, baz=117, slow=6.0, SNR=5.2

NVAR Mina Array Be 128.47 35 PKP PKPdf 23 17 09.4 +2.2

comp=Z, 0.1nm, 0.3s, baz=30, slow=3.3, SNR=3.6

TXAR Lajitas Array 143.26 30 PKP PKPdf 23 17 35.4 +0.9

comp=Z, 0.7nm, 0.8s, baz=333, slow=2.8, SNR=5.2

ECX 25 22:59:39.6±0.2, 30.06N-114.46W, h8km, ML3.5, 1C, Gulf of California

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

SPX San Pedro Mart 1.31 319 eP N S 23 00 04.1 -0.1

SPX San Pedro Mart 1.31 319 eS S S 23 00 20.2 -0.7

CPBX Cerro Prieto 2.46 343 eP N S 23 00 19.8 -0.9

CPBX Cerro Prieto 2.46 343 eS S S 23 00 51.2 0.0

comp=N, 802nm, 0.6s

CPBX Cerro Prieto 2.46 343 eS S S 23 01 10.8

comp=N, 802nm, 0.6s

CBX Cerro Bola 2.94 321 eP N S 23 00 26.6 -0.9

CBX Cerro Bola 2.94 321 eS S S 23 01 03.2 -0.1

IDC 25 23:29:08.1±6.0, 0.75N-99.19E, mb3.4/3, mb1 3.6/3, mb1mx3.3/19, mbtmp3.4/3, Error ellipse: s-maj=320.1km s-min=26.8km az=54.0, Northern Sumatra

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

WRA Warramunga Arr 40.12 123 Op P 23 26 46.5 -1.0

ASAR Alice Springs 41.55 128 P P 23 26 57.1 -2.3

comp=Z, 0.4nm, 0.6s, baz=302, slow=9.2, SNR=6.3

MKAR Makanchi Arr 48.18 344 P P 23 27 50.2 -2.0

comp=Z, 0.2nm, 0.5s, baz=297, slow=8.1, SNR=3.1

comp=Z, 0.5s, baz=163, slow=8.4, SNR=11

IDC 25 23:39:21.4±2.3, 0.15N-97.23E, h31km, mb3.6/6, mb1 3.8/7, mb1mx3.5/20, mbtmp3.8/7, ML4.2/1, Error ellipse: s-maj=95.6km s-min=16.5km az=57.0

NEIC 25 23:39:22.1±0.8, 0.28N-97.42E, mb4.1/1, Error ellipse: s-maj=23.2km s-min=10.2km az=66.0

ISC 25 23:39:19.9±1.0, 0.3N-101.97E, 0.2±1, h31km, h31km±2.1km; pP-P, n14, e077/14, mb3.8/7, Northern Sumatra

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

KULM Kulim 5.95 33 Op P 23 04 47.7 -0.6

CM31 Chiang Mai Arr 18.12 5 P P 23 03 13.6 +0.4

CMAR Chiang Mai Arr 18.12 5 P P 23 03 30.7 -0.5

comp=Z, 1.1nm, 0.5s, mb4.2, baz=188, slow=13.3, SNR=6.9

WRA Warramunga Arr 41.42 121 P P 23 27 04.7 -0.8

comp=Z, 0.2nm, 0.4s, mb3.1, baz=300, slow=9.7, SNR=4.9

s-min=40.4km az=11.0, Kuril Islands

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

MKAR Makanchi Arr 46.91 297 P P 23 24 48.9 +0.2

comp=Z, 0.1nm, 0.3s, baz=63, slow=6.4, SNR=3.7

CMAR Chiang Mai Arr 52.81 256 LR P 00 21 36.4

comp=Z, 2.7nm, 18.3s, baz=33, slow=1.0

FINES FINES Array B 63.58 335 P P 23 26 49.6 -2.3

comp=Z, 0.4nm, 0.3s, baz=36, slow=7.6, SNR=1.4

NOA NORSA Array B 67.70 274 P P 23 27 16.7 -1.8

comp=Z, 0.2nm, 0.5s, baz=42, slow=7.6, SNR=2.8

FITZ Fitzroy Crossi 69.86 208 LR P 00 25 52.0

comp=Z, 1.58nm, 20.5s, baz=273, slow=34

TXAR Lajitas Array 76.91 61 P P 23 28 12.2 -1.4

comp=Z, 0.2nm, 0.4s, baz=288, slow=2.9, SNR=4.2

CASC 25 23:54:36.3±1.9, 13.22N-89.69W, h41km, 41km, MD3.8, ML3.7, 5C-10D, El Salvador

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

SBL5 San Blas 0.62 6j eP S 23 54 58.5 +0.7

SBL5 San Blas 0.62 6j eP S 23 54 58.5 +0.7

SNUE San Jose 0.65 8j eP S 23 54 49.3 +0.1

SNUE San Jose 0.65 8j eP S 23 54 49.3 +0.1

BOQS Boqueron 0.65 38j eP S 23 54 49.3 +0.2

BOQS Boqueron 0.65 38j eP S 23 54 49.3 +0.2

RTRE El Retiro 0.68 41 eP S 23 54 59.2 +0.6

RTRE El Retiro 0.68 41 eP S 23 54 59.2 +0.6

LFRS El Faro 0.74 57j eP S 23 54 50.1 -0.2

LFRS El Faro 0.74 57j eP S 23 54 50.1 -0.2

LFRS El Faro 0.74 57j eP S 23 54 50.1 -0.2

LFRS El Faro 0.74 57j eP S 23 54 50.1 -0.2

LFRS El Faro 0.74 57j eP S 23 54 50.1 -0.2

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LFRS El Faro 0.74 57j eP S 23 54 50.1 -0.2

LFRS El Faro 0.74 57j eP



Table with columns: SM, MFF, AVF, SOC, etc. containing station names, coordinates, and various data points.

MAN 26 00:28:37.8, 8.27N x 122.65E, h17km, mb5.3, ML4.2, MS4.4, 1C, Mindanao

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

NEIC 26 00:33:58.8, 37.33S x 177.52E, h96km, MG3.9(WEL), After WEL

WEL 26 00:33:58.8:0.3, 37.34S x 177.52E, h96km, 3km, ML3.9/4, 1D, Error ellipse: s-maj=1.6km s-min=1.3km az=0.0, Off east coast of North Island

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

ATH 26 00:45:53.7, 39.82N-22.13E, h31km, 4km, MD2.8/5

NEIC 26 00:45:53.6, 39.81N-22.15E, h28km, MD2.8(ATH), After ATH

THE 26 00:45:54.8, 39.80N-22.21E, h5km, ML2.8 CSEM 26 00:45:54.3:0.1, 39.79N-22.15E, h2km, ML2.8, Error ellipse: s-maj=2.0km s-min=1.7km az=46.0

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

KRSC 26 00:47:13.6:0.4, 55.39N x 162.39E, h25km, 5km, ML3.9, Near east coast of Kamchatka Peninsula

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

BJI 26 00:53:40.8, 9.20N x 70.10W, h5km, mB5.3, Ms5.2, Msz5.0

NEIC 26 00:53:40.8, 9.19N x 70.11W, h0km, mb4.6/24, az=141.0

FUNUV 26 00:53:40.8, 9.19N x 70.11W, h0km, MW4.3

ISC 26 00:53:40.6:0.9, 16N:0.03 x 70.09W:0.03, h11km, 6km, n81, c121/84, m4.4, MS3.9/9, 1C, Venezuela

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

JTS comp=Z, 167nm, 20.3s, baz=106, slow=38

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Lists stations like SAML, TEIG, NNA, LPAZ, etc.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JIRN, GUN, VVND, PKI, GKN, KOLN, PTCN, MKAR, etc.

CSEM 26 02:01:44.8-0.1, 42.64N-20.30E, h5km, ML2.7, Error ellipse: s-maj=2.0km s-min=1.7km az=103.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PVY, BCI, IBA, IVB, etc.

CSEM 26 02:14:16.1-0.5, 39.10N-28.59W, MD3.0, ML2.4, Error ellipse: s-maj=16.9km s-min=3.6km az=136.0

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

IDC 26 02:14:20.8-3.2, 5.29S-155.02E, h102km, 32km, mb3.9/11, Mb1.4/1.3, mb1mx4.0, mbtmpp3.1/3, MS3.4/3

NEIC 26 02:14:20.9-1.6, 5.33S-155.01E, h106km, 17km, mb4.4/4, Error ellipse: s-maj=20.0km s-min=10.9km az=155.0

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BILL, ILAR, MKAR, ZAL, INK, etc.

IDC 26 03:04:41.5-3.5, 0.85N-97.21E, mb3.7/3, mb1 3.9/4, mb1mx3.5/1.8, mbtmpp3.7/4, Error ellipse: s-maj=137.2km s-min=25.4km az=60.0

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

NEIC 26 03:13:32.9, 9.15N-70.08W, h3km, MW3.6(CAR), After CAR

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

IDC 26 03:15:41.1-1.1, 0.40N-98.43E, mb3.4/3, mb1 3.6/3, mb1mx3.4/1.9, mbtmpp3.4/3, Error ellipse: s-maj=618.8km s-min=28.5km az=54.0

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

CSEM 26 03:17:01.3-0.6, 39.04N-28.54W, h33km, ML2.7, Error ellipse: s-maj=17.9km s-min=6.5km az=143.0

PDA 26 03:17:03.2, 1.2-2.9, 10N-28.59W, MD3.3, ML2.7, Error ellipse: s-maj=9.0km s-min=3.2km az=143.0

SVSA 26 03:17:03.2-1.2, 39.10N-28.59W, MD3.3, ML2.7, Error ellipse: s-maj=9.0km s-min=3.2km az=143.0

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

WEL 26 03:33:11.2-0.2, 39.50S-174.86E, h149km, 2km, ML3.7/5, No Island Error ellipse: s-maj=1.7km s-min=1.3km az=90.0

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

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

CSEM 26 03:35:50.8-0.6, 37.57N-25.28W, ML3.0, Error ellipse: s-maj=10.4km s-min=8.1km az=160.0

PDA 26 03:35:50.8-1.7, 37.57N-25.28W, MD2.9, ML3.0, Error ellipse: s-maj=16.1km s-min=6.8km az=91.0

SVSA 26 03:35:50.8-1.7, 37.57N-25.28W, MD2.9, ML3.0, Error ellipse: s-maj=16.1km s-min=6.8km az=91.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FRA1, MIRA, MIRA, etc.

IDC 26 03:39:06.0-4.3, 0.61N-98.15E, mb3.7/4, mb1 3.9/4, mb1mx3.5/1.9, mbtmpp3.7/4, Error ellipse: s-maj=173.1km s-min=25.7km az=59.0

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

IDC 26 03:42:13.3-2.3, 6.59S-129.86E, mb3.5/1, mb1 3.8/4, mb1mx3.6/1.6, mbtmpp3.6/4, Error ellipse: s-maj=29.1km az=77.0

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

ATH 26 03:47:09.9, 38.83N-22.02E, h19km, 1km, MD3.0/12

CSEM 26 03:47:10.0, 38.82N-22.02E, h19km, MD3.0(ATH), After ATH

CSEM 26 03:47:10.6-0.1, 38.80N-22.04E, h8km, MD3.0, Error ellipse: s-maj=2.9km s-min=1.9km az=37.0

THE 26 03:47:11.3, 38.91N-22.13E, h10km, ML2.9

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

OUR VLI Aurannopolis Veliai 2.13 44 ePn Pn 03 47 45.8 -0.2 2.21 161 ePb Pp 03 47 47.4 -2.1

IDC 26 03:47:25.6:7.3, 49.275x127.83E, mb3.9/3, mb1 4.1/3, mb1mx3.8/126, mbtpp3.9/3, MS3.7/2, Ms1 3.8/2, ms1mx3.1/26, Error ellipse: s-maj=535.9km s-min=25.0km az=90, Western Indian-Antarctic Ridge

Code Station Name Az AZ Phase ID ISC Time Res h m s ISC P 03 53 00.3 -1.4 ASAR Alice Springs 26.00 13 P P 03 53 33.1 -2.5 WRA Warrungarra Arr 29.72 12 P P 03 50 47.1 -2.1 VVORA Vanda 31.17 166 P P 04 04 58.5 VVORA Vanda 31.17 166 P P 04 04 58.5 CMAR Chiang Mai Arr 72.15 331 LR LR 04 29 48.5 YKA Yellowstone Arr 144.09 45 PKP PKP 04 07 00.9 -2.7

ATH 26 03:50:29.6, 39.79N-22.09E, h30km, 19km, MD2.9/3 CSEM 26 03:50:30.1-0.3, 39.75N-22.14E, h5km, ML2.6, Error ellipse: s-maj=7.2km s-min=3.3km az=40.0 THE 26 03:50:32.3, 39.83N-22.25E, h18km, ML2.6 ISC 26 03:50:31.0-0.7, 39.82N-22.21E, 0.05, h30km, 7km, n8, e1935/15, Greece

Code Station Name Az AZ Phase ID ISC Time Res h m s ISC P 03 50 39.3 -1.0 LIT Litokhoron 0.35 37 eP P 03 50 45.4 +0.5 KZN Kozani 0.59 325 ePn Pn 03 50 41.6 -1.7 KZN Kozani 0.59 325 ePn Pn 03 50 50.7 -1.3 NEO Neokhori 0.93 123 ePn Pn 03 50 49.0 +0.8 NEO Neokhori 0.93 123 ePn Pn 03 51 02.6 +2.0 EVR Evrytania 0.95 199 ePn Pn 03 50 47.1 +1.5 EVR Evrytania 0.95 199 ePn Pn 03 51 00.0 -1.1 EVR Evrytania 0.95 199 ePn Pn 03 50 45.4 -3.1 FNA Florina 1.16 327 eP P 03 50 52.4 +1.0 FNA Florina 1.16 327 eP P 03 51 08.7 +2.4 OUR Ouranopolis 1.45 69 ePb Pp 03 50 56.1 -1.2 IGT Igoumenitsa 1.48 259 ePb Pp 03 51 15.6 +0.1 IGT Igoumenitsa 1.48 259 ePb Pp 03 51 18.3 +2.1

MOS 26 04:05:45.8:1.0, 19.72N-109.27W, h10km, mb5.3/33, Error ellipse: s-maj=8.9km s-min=4.3km az=35.3 IDC 26 04:05:45.0:0.6, 19.81N-109.35W, mb4.7/23, mb1 4.9/24, mb1mx4.8/27, mbtpp4.7/24, ML4.6/1, MS4.7/24, Ms1 4.7/24, ms1mx4.6/32, Error ellipse: s-maj=22.7km s-min=10.5km az=59.0

BUI 26 04:05:47.3:0.3, 19.70N-109.30W, h10km, mb5.7, mb5.0, Msz5.0 HRVD 26 04:05:47.3:0.3, 19.88N-109.21W, h12km, MW5.4/69, Centroid moment Tensor Solution. LP body waves: s63,c117,Mantle waves: s69,c137; Half duration: 193 Moment tensor: Scale 10^17Nm; Mr=0.46e; 03; Mw=1.19e; 02; M0=1.66e; 03; M1=0.01e; 06; M2=0.85e; 02; M3=0.29e; 07; Best double couple: M1: 679x10^17 NPT: q=299, s81, i, 173; NP2: 30, s89, i, 9; Principal axes: T 1.926, Plg7; Azm255; N-488, Plg81; Azm36; P-1.431, Plg5; Azm164; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 26 04:05:47.3:0.3, 19.69N-109.28W, h10km, mb5.2/78, MS4.6/91, MW5.6 Error ellipse: s-maj=6.0km s-min=3.3km az=224.0, Moment Tensor Solution. s8 Moment tensor: Scale 10^17Nm; Mr=0.21; M0=2.28; M1=2.49; M2=0.13; Mw=1.74; M3=0.68; Best double couple: M3x10^17 NPT: q=116, s81, i, 173; NP2: 207, s83, i, 9; Principal axes: T 3.19, Plg11; Azm72; N-35, Plg78; Azm242; P 2.65; Plg2; Azm342.

MEX 26 04:05:46.0:0.3, 19.76N-109.12W, h16km, 53km, MD5.1 ISC 26 04:05:46.0:0.3, 19.76N-109.12W, 0.04-109.22W, 0.0, h10km, n345, e1907/276, mb5.0/86, MS4.7/113, 20C-81D, Revilla Gigedo Islands region

Code Station Name Az AZ Phase ID ISC Time Res h m s ISC P 04 06 44.6 -3.3 CJM Chamela 3.94 93 iP P 04 07 29.6 -2.5 CJM Chamela 3.94 93 iP P 04 06 44.9 -3.0 CJM Chamela 3.94 93 iP P 04 07 29.6 -2.5 LPJG La Paz 4.46 347 iP P 04 07 45.9 -2.0 LPJG La Paz 4.46 347 iP P 04 07 45.9 -2.5 LPJG La Paz 4.46 347 iP P 04 07 45.9 -2.5 COLM Colima 5.24 95 iP P 04 07 04.3 -2.1 COLM Colima 5.24 95 iP P 04 08 00.9 -6.8 COLM Colima 5.24 95 iP P 04 07 04.4 -2.0 COLM Colima 5.24 95 iP P 04 08 00.9 -6.8 SFJM Santa Fe 5.85 82 iP P 04 07 16.0 +1.0 SFJM Santa Fe 5.85 82 iP P 04 07 13.5 -1.4 ZIIG Zihuatajejo 7.65 105 eP P 04 07 04.6 +0.4 ZIIG Zihuatajejo 7.65 105 eP P 04 07 38.1 -2.1 ZIIG Zihuatajejo 7.65 105 eP P 04 09 01.4 -6.4 ACX Acapulco 9.28 106 iP P 04 08 04.6 +1.7 ACX Acapulco 9.28 106 iP P 04 08 04.1 +1.2 PPM Popocatepetl 10.02 92 iP P 04 08 14.2 +1.0 PPM Popocatepetl 10.02 92 iP P 04 10 11.6 +4.9 PPM Popocatepetl 10.02 92 eP S 04 08 11.2 -2.0 PPM Popocatepetl 10.02 92 iP S 04 08 13.0 PPM Popocatepetl 10.02 92 iP S 04 10 01.6 -5.1 LTX Lajitas 10.80 271 eP P 04 08 25.7 +1.8 LTX Lajitas 10.80 271 eP P 04 08 25.7 +1.8 LTX Lajitas 10.80 271 eP P 04 08 25.7 +1.8 TXAR Lajitas Array 10.80 27 Pn P 04 09 23.8 -0.1 TXAR Lajitas Array 10.80 27 Pn P 04 10 33.9 +7.9 TXAR Lajitas Array 10.80 27 Pn P 04 13 09.2 TXAR Lajitas Array 10.80 27 Pn P 04 08 23.8 -0.1 TXAR Lajitas Array 10.80 27 Pn P 04 08 33.9 +7.9 TXAR Lajitas Array 10.80 27 Pn P 04 13 09.2 ISM Ciudad Serdan 11.20 92 iP P 04 08 30.8 +1.5 ISM Ciudad Serdan 11.20 92 iP P 04 08 29.6 +0.2 OXX Oaxaca 12.15 101 iP P 04 08 44.7 +2.5 OXX Oaxaca 12.15 101 iP P 04 08 41.8 -0.4 MNTX Cornudas Mount 12.40 151 eP P 04 08 46.3 +0.8 TUC Tucson 12.60 354j eP P 04 08 49.4 +1.2 TUC Tucson 12.60 354j eP P 04 08 49.4 +1.2 JCT Junction City 13.67 37 iI P P 04 09 04.3 +1.9 JCT Junction City 13.67 37 iI P P 04 09 04.3 +1.9 CMIG Matias Romero 13.86 99 iP P 04 09 04.1 -0.8 BAR Barrett 14.52 334j eP P 04 09 13.0 -0.5 PFO Pinyon Flat Ob 15.25 336j eP P 04 09 23.4 +0.3 PFO Pinyon Flat Ob 15.25 336j eP P 04 09 23.4 +0.3 ANMO Albuquerque 15.35 9 Pn P 04 09 26.4 +2.0 ANMO Albuquerque 15.35 9 Pn P 04 12 25.9 ANMO Albuquerque 15.35 9 Pn P 04 09 26.5 +2.1 ANMO Albuquerque 15.35 9 Pn P 04 09 26.1 +1.7 ANMO Albuquerque 15.35 9 Pn P 04 15 06.6 ANMO Albuquerque 15.35 9j eP P 04 09 26.2 +1.8 WUJ Wupatki 15.84 354j iI P P 04 09 32.8 +2.1 LDFA Landfair 16.15 342j iI P P 04 09 36.9 +2.2 MWC Mount Wilson 16.43 333j eP P 04 09 38.8 +0.5

AMTX Amarillo 16.50 22j eP P 04 09 39.6 +0.4 NEN Nelson 16.61 344j eP P 04 09 41.8 +1.3 NATX Nacogdoches 17.73 45j eP P 04 09 54.2 -0.5 DAC Darwin (Calif) 18.05 338j eP P 04 09 59.5 +0.9 DAC Darwin (Calif) 18.05 338j eP P 04 09 59.5 +0.9 DDC Great Sand Dun 18.23 9j eP P 04 10 02.3 +1.4 PV01 Paradox Valley 18.34 2 eP P 04 10 03.0 +0.8 ARUT Antelope Range 18.36 349 eP P 04 10 04.1 +1.6 PV10 Troy Canyon 18.57 0 eP P 04 10 07.7 -0.4 MARY Marysville 18.88 353j eP P 04 10 09.5 +0.7 MSU Marysville 18.89 353j eP P 04 10 09.7 +0.8 SRU San Rafael 19.34 357 eP P 04 10 13.7 -0.5 TRC Troy Canyon 19.35 345j iI P P 04 10 14.6 -0.2 MTUM Tungsten Hill 19.36 337 eP P 04 10 14.8 +0.3 TPH Tonopah 19.55 341j eP P 04 10 16.8 +0.1 TPH Tonopah 19.55 341j eP P 04 10 16.8 +0.1 TPHT Topopah 19.55 341j eP P 04 10 16.8 +0.1 TMUT Trail Mountain 19.57 355 eP P 04 10 16.7 -0.1 LRV Little Rabbit 19.59 331 eP P 04 10 17.1 0.0 TEIG Tepich 19.69 85 eP P 04 10 17.7 -0.6 SAO San Andres Ge 20.06 330j eP P 04 10 18.9 0.0 SAO San Andres Ge 20.06 330j eP P 04 10 21.3 -1.0 SAO San Andres Ge 20.06 330j eP P 04 10 21.3 -1.0 SAO San Andres Ge 20.06 330j eP P 04 10 21.3 -1.0 SAO San Andres Ge 20.06 330j eP P 04 10 21.3 -1.0 MNV Mina 20.18 339j eP P 04 10 23.5 0.0 MNV Mina 20.18 339j eP P 04 10 23.5 0.0 MNV Mina 20.18 339j eP P 04 10 23.5 0.0 MNV Mina 20.18 339j eP P 04 10 23.5 0.0 NVAR Mina Array Bea 20.23 339 P P 04 10 23.3 -0.7 NVAR Mina Array Bea 20.23 339 P P 04 10 23.3 -0.7 NVAR Mina Array Bea 20.23 339 P P 04 10 23.3 -0.7 NVAR Mina Array Bea 20.23 339 P P 04 10 23.3 -0.7 MIAR Mount Ida 20.24 40 eP P 04 10 22.6 -1.6 MIAR Mount Ida 20.24 40 eP P 04 10 22.6 -1.6 MIAR Mount Ida 20.24 40 eP P 04 10 22.6 -1.6 MIAR Mount Ida 20.24 40 eP P 04 10 22.6 -1.6 NLU North Lily Min 20.30 354 eP P 04 10 25.1 +0.3 MPU Maple Canyon 20.32 355j eP P 04 10 24.4 -0.5 DUG Dugway 20.62 352j eP P 04 10 28.4 +0.3 DUG Dugway 20.62 352j eP P 04 10 28.4 +0.3 DUG Dugway 20.62 352j eP P 04 10 28.4 +0.3 DUG Dugway 20.62 352j eP P 04 10 28.4 +0.3 CMB Columbia Colle 20.66 334 P P 04 14 27.5 CMB Columbia Colle 20.66 334 P P 04 14 27.5 -1.0 CMB Columbia Colle 20.66 334 P P 04 14 27.5 -1.0 CMB Columbia Colle 20.66 334 P P 04 14 27.5 -1.0 DAU Daniels Canyon 20.68 356 P P 04 10 29.0 +0.3 DAU Daniels Canyon 20.68 356j eP P 04 10 28.3 +0.1 CBKS Cedar Bluff 20.71 21 eP P 04 10 28.3 -0.7 CBKS Cedar Bluff 20.71 21 eP P 04 10 28.3 -0.7 CBKS Cedar Bluff 20.71 21 eP P 04 10 27.7 -1.3 JLU Jordanelle 20.89 355 eP P 04 10 31.1 +0.3 NQO North Oquirrh 21.00 354j eP P 04 10 31.9 -0.1 CTU Camp Tracy 21.00 355j eP P 04 10 32.0 0.0 UALR University of 21.15 41j eP P 04 10 33.0 -0.6 SAC San Andreas 21.18 330 P P 04 10 34.3 +0.5 SAC San Andreas 21.18 330 P P 04 10 33.0 -0.9 BGU Big Grassy Mou 21.37 352j eP P 04 10 35.8 +0.1 TCU Toone Canyon 21.39 355 eP P 04 10 36.4 +0.4 WCN Washoe City 21.52 337 P P 04 10 38.4 +1.2 WCN Washoe City 21.52 337j eP P 04 10 38.2 +1.0 WCN Washoe City 21.52 337j eP P 04 10 38.2 +1.0 ELK Elko 21.56 347j eP P 04 10 38.0 +0.3 ELK Elko 21.56 347j eP P 04 10 38.0 +0.3 ELK Elko 21.56 347j eP P 04 10 38.0 +0.3 ELK Elko 21.56 347j eP P 04 10 38.0 +0.3 SPWY Summit Promonto 21.68 353j eP P 04 10 39.1 +0.2 PHUT Pilot Hill 21.73 8 eP P 04 10 39.7 +0.3 BMN Battle Mountain 21.74 343j eP P 04 10 39.6 +0.1 BMN Battle Mountain 21.74 343j eP P 04 10 39.6 +0.1 BMN Battle Mountain 21.74 343j eP P 04 10 39.6 +0.2 PAHR Pah Rah Range 21.74 338j eP P 04 10 40.2 +0.7 HWUT Hardware Ranch 21.89 355j eP P 04 10 41.2 +0.2 HWUT Hardware Ranch 21.89 355j eP P 04 10 41.2 +0.2 RWVY Rawlins 21.95 4 eP P 04 10 41.4 -0.2 NSHM Saint Helena R 22.02 331 eP P 04 10 42.9 +0.6 KSU Kansas State U 22.16 27 eP P 04 10 43.0 -0.7 HVU Hansel Valley 22.18 353 P P 04 10 44.5 +0.7 HVU Hansel Valley 22.18 353j eP P 04 10 44.5 +0.6 HOPS Hopland 22.62 331j eP P 04 10 49.0 +0.8 HOPS Hopland 22.62 331j eP P 04 10 49.0 +0.8 HBAR Harrisburg 22.71 42 eP P 04 10 50.5 +1.2 OXF Oxford 22.90 46 eP P 04 10 51.0 -0.1 OXF Oxford 22.90 46 eP P 04 10 51.0 -0.1 OXF Oxford 22.90 46 eP P 04 10 51.0 -0.1 OXF Oxford 22.90 46 eP P 04 10 51.0 -0.1 BW06 Boulder Array 22.96 359 PFAKE LR 04 11 00.0 +8.4 BW06 Boulder Array 22.96 359 P P 04 10 51.6 0.0 PDAR Pinedale Array 22.96 359 P P 04 10 51.6 0.0 AHID Auburn Hatcher 23.01 356 eP P 04 10 52.2 +0.1 AHID Auburn Hatcher 23.01 356 eP P 04 10 52.2 +0.1 GNAR Gosnell 23.37 42 P P 04 10 56.2 +0.5 REDW Red Top Meadow 23.59 357j iI P P 04 10 58.5 +0.8 RRI Red Ridge 23.61 356j eP P 04 10 59.8 +1.2 SNOW Snow King Moun 23.69 357j eP P 04 10 59.8 +1.1 TPWY Teton Pass 23.73 357j iI P P 04 11 00.2 +1.1 WUWY Wally Ulrich 23.77 357j iI P P 04 11 00.2 +0.8 LOHY Low Hollow 23.83 358j iI P P 04 11 00.8 +0.8

LRL Lakeview Retre 23.84 52j eP P 04 11 01.0 +0.8 LRL Lakeview Retre 23.84 52j eP P 04 11 01.0 +0.8 MOOV Mooser Ponds 23.98 357 eP P 04 11 01.8 +0.3 PARMO Parma 23.98 41 eP P 04 11 02.3 +0.8 WVOR Wild Horse Val 23.99 343 P P 04 11 02.5 +0.9 WVOR Wild Horse Val 23.99 343j eP P 04 11 02.3 +0.7 WVOR Wild Horse Val 23.99 343j eP P 04 11 02.3 +0.7 WVOR Wild Horse Val 23.99 343j eP P 04 11 02.3 +0.7 MOD Modoc 24.02 339 PFAKE LR 04 11 10.0 +8.2 CCM Cathedral Cave 24.02 37 P P 04 11 02.3 +0.4 CCM Cathedral Cave 24.02 37 P P 04 11 02.3 +0.4 CCM Cathedral Cave 24.02 37 P P 04 11 02.0 +0.1 CCM Cathedral Cave 24.02 37 P P 04 11 02.0 +0.1 PLAL Pickwick Lake 24.07 47j eP P 04 11 02.7 +0.2 PLAL Pickwick Lake 24.07 47j eP P 04 11 02.7 +0.2 IMW Indian Meadow 24.13 357 eP P 04 11 03.2 +0.2 HLID Hailey 24.15 351j iI P P 04 11 04.5 +1.3 HLID Hailey 24.15 351j iI P P 04 11 04.5 +1.3 FVM French Village 24.44 38 P P 04 11 06.4 +0.4 FVM French Village 24.44 38j eP P 04 11 06.2 +0.2 KHMM Horse Mountain 24.45 333 eP P 04 11 06.7 +0.7 YFT Old Faithful 24.68 357j eP P 04 11 08.9 +1.6 RSSD Black Hills 24.70 9 P P 04 11 08.6 +0.2 RSSD Black Hills 24.70 9 eP P 04 11 08.2 -0.3 RSSD Black Hills 24.70 9 eP P 04 11 08.2 -0.3 YBHB Yreka Blue Hor 24.74 335 P P 04 11 07.8 -1.1 YBHB Yreka Blue Hor 24.74 335 P P 04 11 07.8 -1.1 YBHB Yreka Blue Hor 24.74 335 P P 04 11 07.8 -1.1 YBHB Yreka Blue Hor 24.74 335 P P 04 11 07.8 -1.1 LKWW Lake 24.78 358 P P 04 11 10.9 +1.7 LKWW Lake 24.78 358j eP P 04 11 10.7 +1.5 LKWW Lake 24.78 358j eP P 04 11 10.7 +1.5 WWT Waverly 24.89 45 P P 04 11 10.3 -0.1 WWT Waverly 24.89 45 eP P 04 11 09.8 -0.6 WWT Waverly 24.89 45 eP P 04 11 09.8 -0.6 WWT Waverly 24.89 45 eP P 04 11 09.8 -0.6 YMR Madison River 24.90 357j eP P 04 11 11.3 +0.9 YNR Norris Juncto 24.94 356 eP P 04 11 11.8 +1.1 SLM Saint Louis 25.00 37 P P 04 11 07.6 -3.8 QLMT Earthquake Lak 25.09 356 eP P 04 11 13.2 -1.0 MCMT McKenzie Canyo 25.20 354 eP P 04 11 12.3 -1.0 JTS JuntasAbangare 25.22 108 eP P 04 11 16.3 +2.6 JTS JuntasAbangare 25.22 108 P P 04 11 15.9 +2.2 JTS JuntasAbangare 25.22 108 P P 04 11 15.9 +2.2 JTS JuntasAbangare 25.22 108j eP P 04 11 15.7 +2.0 JTS JuntasAbangare 25.22 108j eP P 04 11 15.7 +2.0 HUMO Hull Mountain 25.58 336 eP P 04 11 13.7 -3.1 HUMO Hull Mountain 25.58 336 eP P 04 11 13.7 -3.1 SWET Cooper Caves 25.69 48 eP P 04 11 17.5 -0.5 KBO Bosley Butte 25.76 334 eP P 04 11 18.1 -0.1 BOZ Bozeman (W) 25.92 356j eP P 04 11 19.5 -0.5 BOZ Bozeman (W) 25.92 356j eP P 04 11 19.5 -0.5 BMO Blue Mountains 25.93 347 eP P 04 11 18.7 -1.4 BMO Blue Mountains 25.93 347 eP P 04 11 18.7 -1.4 GCMT Greycliff 25.99 359 eP P 04 11 20.4 -0.1 KEBM Edison Butte 26.35 334 eP P 04 11 23.9 0.0 VIPM Ingram Point 26.47 341 P P 04 11 25.2 +0.2 IRO Indian Ridge 26.54 339 P P 04 11 25.7 -0.1 GOGA Godfrey 26.67 54 eP P 04 11 30.9 +3.9 GOGA Godfrey 26.67 54 P P 04 11 25.8 -1.1 GOGA Godfrey 26.67 54 P P 04 11 25.8 -1.1 GOGA Godfrey 26.67 54 P P 04 11 25.8 -1.1 DWPF Disney 26.68 66 PFAKE LR 04 11 40.0 +13 DWPF Disney 26.68 66 PFAKE LR 04 11 40.0 +13 CPCT Cooper Caves 26.80 49j eP P 04 11 27.6 -0.6 HRY Holler Researc 26.99 356 eP P 04 11 29.5 -0.3 LAO LARA Array 26.99 51 eP P 04 11 28.9 +0.9 LAO LARA Array 26.99 51 eP P 04 11 28.9 +0.9 WCI Wyandotte Cave 27.11 42 P P 04 11 31.0 0.0 WCI Wyandotte Cave 27.11 42 P P 04 11 31.0 0.0 WCI Wyandotte Cave 27.11 42j eP P 04 11 30.6 -0.4 WCI Wyandotte Cave 27.11 42j eP P 04 11 30.6 -0.4 MSO Missoula 27.30 353j eP P 04 11 31.7 -0.9 MSO Missoula 27.30 353j eP P 04 11 31.7 -0.9 CHMT Chamberlain Mo 27.31 354 eP P 04 11 32.4 -0.3 COR Corvallis 27.41 338 PFAKE LR 04 11 50.0 +16 COR Corvallis 27.41 338 PFAKE LR 04 11 50.0 +16 PAYG Puerto Ayora 27.50 135 PFAKE LR 04 11 50.0 +15 PAYG Puerto Ayora 27.50 135 PFAKE LR 04 11 50.0 +15 HAWA Hanford 27.90 345j eP P 04 11 37.0 -1.1 HAWA Hanford 27.90 345j eP P 04 11 37.0 -1.1 NHSC New Hope 29.11 57 PFAKE LR 04 12 00.0 +11 NHSC New Hope 29.11 57 PFAKE LR 04 12 00.0 +11 NEW Newport 29.17 349 P P 04 11 49.3 -0.2 NEW Newport 29.17 349 P P 04 11 49.3 -0.2 NEW Newport 29.17 349 P P 04 11 49.4 -0.1 NEW Newport 29.17 349j eP P 04 12 04.7 NEW Newport 29.17 349j eP P 04 11 48.4 -1.1 NEW Newport 29.17 349j eP P 04 11 48.4 -1.1 WALA Waterlon Lakes 29.50 354 eP P 04 11 51.5 -0.9 NLW Nelson Butte 29.68 345 P P 04 11 54.4 +0.3 ACSO Alton Creek Sta 30.00 42 eP P 04 12 00.3 0.0 ACSO Alton Creek Sta 30.00 42 eP P 04 12 00.3 0.0 FWV Forest Hill 30.45 48 eP P 04 12 00.2 -0.7 BLA Blacksburg 30.55 49 eP P 04 12 00.7 -1.2 BLA Blacksburg 30.55 49 eP P 04 12 00.7 -1.2













Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Nanjing, Enshi, Changchun, Guiyang, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Ala-Archa, Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.





26d 11h

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like WRAB Tennant Creek, ASB Warramunga Arr, WB2 Alice Springs, etc.

BUI 26 11:25:45.9, 6.80N:72.90W, h169km
IDC 26 11:25:45.9, 1.0, 6.77N:72.96W, h164km, mb4, 1/15,
mb1 4.3/20, mb1mx4.1/26, mbtmp4.5/20, Error ellipse:
s-maj=11.2km s-min=8.9km az=85.0

NEIC 26 11:25:46.0, 0.2, 6.77N:72.92W, mb4.6/42, Error ellipse:
s-maj=4.5km s-min=3.3km az=168.0

FUNV 26 11:25:45.1, 6.72N:73.13W, h168km, MWV.1
ISC 26 11:25:44.9, 0.4, 6.78N:73.00W, 0.03, h173km, 3km,
n141, c0867/142, mb4.5/55, 12C-14D, Northern Territory

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like CAPV Capacho, ROSC El Rosal, SDV Santo Domingo, etc.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MOAC Moa, HLGC Holguin, CCCC Cccc, etc.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like WRAB Tennant Creek, ASB Warramunga Arr, WB2 Alice Springs, etc.

2005 APR

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like REDW Red Top Meadow, SNOW Snow King Mount, WUWY Wauchoy, etc.

NEIC 26 11:29:44.0, 19.84S:134.00E, h11km, ML2.6(AUST), After AUST.

AUST 26 11:29:44.4, 19.84S:134.00E, h11km, ML2.6, 1D, Northern Territory

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like WRAB Tennant Creek, ASB Warramunga Arr, WB2 Alice Springs, etc.

IDC 26 11:33:25.8, 0.4, 15.36S:176.29W, mb5.0/27, mb1 5.1/27,
mb1mx5.1/29, mbtmp5.0/27, MS5.1/23, Ms1 5.1/23,
ms1mx5.1/25, Error ellipse: s-maj=19.6km s-min=11.6km
az=138.0

HRVD 26 11:33:27.0, 0.1, 15.19S:176.06W, h12km, MW5.7/80,
Centroid moment Tensor Solution. LP body waves:
s66:C150;Mantle waves: s80,C185; Half duration: 196
Moment tensor: Scale 10^17Nm; Mr=0.42±.04;
Mm=2.27±.04; Mpp=1.84±.04; Mn=-0.56±.11; Mm2.92±.04;
Mm-0.33±.11; Best double couple: M3.619x10^17 NP1:
q2288; q844; l66; NP2:20.197; q844; l174; Principal
axes: T 3.882, P1g87, Azm153; N - 519, P1g87, Azm337;
P - 3.356, P1g11, Azm243; nst1a refers to body waves,
cutoff=40s, nst1a2 refers to surface waves, cutoff=50s.

NEIC 26 11:33:27.0, 15.30S:176.35W, h10km, mb5.4/64,
MS5.4/121 Error ellipse: s-maj=9.1km s-min=4.3km
az=143.0

MOS 26 11:33:30.1±1.1, 15.24S:176.45W, h33km, mb5.5/49,
MS5.4/53, Error ellipse: s-maj=9.8km s-min=7.2km
az=54.8

BUI 26 11:33:30.8, 14.43S:176.67W, h10km, mb5.6, mb5.2,
MS5.5, MSz5.4

ISC 26 11:33:26.3, 0.2, 15.39S:176.31W, 0.04, h13km,
h13km, 1.4km, pp-P, n500, c0996/238, mb5.2/105, MS5.3/157,
25C-8D, Fiji Islands region

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like WRAB Tennant Creek, ASB Warramunga Arr, WB2 Alice Springs, etc.

950

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



BOZ	comp=Z,18nm,1.5s,mb5.0		pmax	pmax		
BOZ	comp=Z,2um,19.0s,MS5.6		MLR	MLR		
BOZ	Bozeman (WJ) 84.18 40 eP	P			11 45 58.6	-0.2
BOZ	comp=Z,18nm,1.5s,mb5.0		LR	LR		
YNR	comp=Z,2um,19.0s,MS5.6		P	P	11 46 02.5	+3.0
LKWKY	Norris Junction 84.33 41 eP	P			11 46 01.8	+1.8
LKWKY	Lake 84.43 41 eP	P	pmax	pmax		
LKWKY	comp=Z,32nm,1.1s,mb5.4		MLR	MLR		
LKWKY	comp=Z,1um,21.0s,MS5.3		LR	LR		
LKWKY	Lake 84.43 41 eP	P			11 46 01.8	+1.8
WALA	Waterton Lakes 84.53 36 eP	P			11 45 60.0	-0.4
ENH	comp=Z,16nm,1.0s,mb5.1		P	P	11 46 01.8	+0.7
ENH	Enshi 84.56 303 eP	P	LR	LR		
ENH	comp=Z,33nm,1.2s,mb5.3		LR	LR		
HRV	comp=Z,1um,20.0s,MS5.2		P	P	11 46 00.7	0.0
KULM	Holter Researc 84.57 39 eP	P			11 46 02.9	+0.8
KULM	Kulim 84.71 277 eP	P			11 46 02.3	+0.3
SDCO	Great Sand Dun 84.80 49 eP	P				
SDCO	comp=Z,29nm,1.3s,mb5.2		LR	LR		
RWWY	comp=Z,2um,20.0s,MS5.4		P	P	11 46 03.9	-0.2
RWWY	Rawlins 85.24 45 eP	P			11 46 06.1	+0.8
HIA	comp=Z,41nm,1.3s,mb5.4		P	P		
HIA	Hailar 85.51 324 eP	P	pmax	pmax		
HIA	comp=Z,49nm,1.4s		MLR	MLR		
HIA	comp=Z,5um,22.0s		P	P	11 46 06.1	+0.8
HIA	Hailar 85.51 324 eP	P				
HIA	comp=Z,49nm,1.4s,mb5.5		LR	LR		
GYA	comp=Z,5um,22.0s,MS5.8		P	P	11 46 07.8	+1.6
GYA	Guiyang 85.57 299 P	P	AP	AP	11 46 12.0	+1.7
GYA	comp=Z,4nm,1.0s,mb5.6		XP	XP	11 46 14.8	+3.1
GYA	comp=Z,280nm,4.8s		AMB	AMB		
GYA	comp=N,640nm,20.9s,MS5.1		LR	LR		
GYA	comp=E,650nm,23.1s,MS5.1		LR	LR		
GYA	comp=Z,970nm,22.0s,MS5.2		LR	LR		
PAYG	Puerto Ayora 85.90 99 PFAKE	LR			11 46 20.0	+1.1
PAYG	comp=Z,606nm,19.0s,MS5.0		LR	LR		
JCT	Junction City 86.49 57 eP	P	pmax	pmax	11 46 09.9	-0.7
JCT	comp=Z,40nm,1.5s,mb5.4		MLR	MLR		
JCT	comp=Z,2um,21.0s,MS5.5		P	P	11 46 09.9	-0.7
JCT	Junction City 86.49 57 eP	P	LR	LR		
JCT	comp=Z,40nm,1.5s,mb5.4		LR	LR		
AMTX	comp=Z,2um,21.0s,MS5.5		P	P	11 46 20.0	+9.2
AMTX	Amarillo 86.56 53 PFAKE	LR				
AMTX	comp=Z,2um,20.0s,MS5.5		LR	LR		
CLNS	Chul'man 86.89 332 eP	P	ePP	ePP	11 46 11.6	-0.3
CLNS	comp=Z,2um,20.0s,MS5.5		eS	eS	11 46 18.6	+2.5
CLNS	comp=Z,6.0nm,0.8s,mb4.9		pmax	pmax	11 56 37.2	-1.1
CLNS	comp=N,2.0nm,0.6s		pmax	pmax		
CLNS	comp=E,6.0nm,0.7s		pmax	pmax		
CLNS	comp=Z,6.0nm,1.0s,mb4.8		pmax	pmax		
CLNS	comp=N,6.0nm,0.9s		pmax	pmax		
CLNS	comp=E,8.0nm,0.9s		pmax	pmax		
CLNS	comp=E,28nm,11.7s		smax	smax		
CLNS	comp=Z,113nm,12.2s		smax	smax		
CLNS	comp=N,134nm,12.9s		smax	smax		
MAW	Mawson 86.89 199 P	P	iP	iP	11 46 12.4	+0.7
MAW	comp=N,14nm,1.3s,mb5.0		P	P	11 46 12.4	+0.7
MAW	Mawson 86.89 199 P	P	pmax	pmax		
MAW	comp=Z,14nm,1.3s		P	P	11 46 12.5	+0.9
MAW	Mawson 86.89 199 P	P	LR	LR	12 21 18.3	
MAW	comp=Z,18nm,1.2s,mb5.2,baz=103,slo=6.8,SNR=14		LR	LR		
EDM	comp=Z,3um,21.5s,MS5.6,baz=117,slo=33		P	P	11 46 11.7	-0.6
HHC	Edmonton 86.96 32 eP	P	AP	AP	11 46 14.8	+2.1
HHC	Hu-ho-hao-te 86.98 314 eP	P	XP	XP	11 46 19.0	+2.1
HHC	comp=Z,2um,20.0s,MS5.5		sP	sP	11 46 23.0	+4.7
HHC	comp=Z,13nm,1.3s,mb5.2		PP	PP	11 49 38.3	-0.1
HHC	comp=Z,13nm,1.3s,mb5.2		S	S	11 56 55.0	+5.7
HHC	comp=Z,28nm,1.4s,mb5.3		AMB	AMB		
HHC	comp=Z,535nm,5.0s		AMB	AMB		
HHC	comp=N,318nm,20.2s,MS4.8		LR	LR		
HHC	comp=E,253nm,21.0s,MS4.8		LR	LR		
HHC	comp=Z,254nm,22.6s,MS4.6		LR	LR		
BTO	Batou 87.97 313 eP	P			11 46 19.0	+1.5
LAO	LASA Array 88.00 40 eP	P			11 46 18.2	+0.7
LAO	comp=Z,76nm,1.5s,mb5.7		LR	LR		
YAK	comp=Z,725nm,19.0s,MS5.1		P	P	11 46 15.0	-2.2
YAK	Yakutsk 88.01 338 eS	S	eS	eS	11 57 00.3	+1.8
YAK	comp=Z,7.0nm,1.0s,mb4.8		pmax	pmax		
YAK	Yakutsk 88.01 338 iP	P	LR	LR	11 46 15.5	-1.7
YAK	comp=Z,2um,22.0s,MS5.4		LR	LR		
RSSD	Black Hills 88.36 43 PFAKE	LR			11 46 30.0	+1.1
RSSD	comp=Z,19.0s,MS5.5		LR	LR		
KMI	Kunming 88.50 296 P	P	AP	AP	11 46 22.8	+2.4
KMI	comp=Z,2um,20.0s,MS5.5		PP	PP	11 46 27.5	+2.9
KMI	comp=Z,2um,20.0s,MS5.5		S	S	11 49 50.5	-0.5
KMI	comp=Z,2um,20.0s,MS5.5		SS	SS	11 57 07.3	+3.4
KMI	comp=Z,2um,20.0s,MS5.5		SSS	SSS	12 02 53.5	-4.3
KMI	comp=Z,13nm,1.4s,mb5.1		AMB	AMB	12 06 26.8	-4.1
KMI	comp=Z,329nm,5.6s		AMB	AMB		
KMI	comp=N,640nm,20.3s,MS5.3		LR	LR		
KMI	comp=E,984nm,23.3s,MS5.3		LR	LR		
KMI	comp=Z,2um,21.8s,MS5.4		LR	LR		
INK	Inuvik 88.95 15 eP	P	pmax	pmax	11 46 18.5	-3.0
INK	comp=Z,8.0nm,1.2s		P	P	11 46 20.2	-1.3
INK	comp=Z,3.5nm,0.9s,mb4.7,baz=222,slo=6.0,SNR=13		P	P	11 46 18.5	-3.1
INK	Inuvik 88.95 15 eP	P				
CBKS	Cedar Bluff 89.40 49 PFAKE	LR			11 46 40.0	+1.6
CD2	Chengdu 89.42 302 P	P	LR	LR	11 46 27.8	+3.1
CD2	comp=N,790nm,15.6s		LR	LR		
CD2	comp=Z,1um,19.2s,MS5.3		LR	LR		
CMAR	Chiang Mai Arr 89.95 289 P	P			11 46 29.2	+1.8
CMAR	comp=Z,10nm,1.0s,mb5.1,baz=98,slo=2.9,SNR=30		PP	PP	11 50 02.9	+0.1
CMAR	comp=Z,0.4nm,0.4s,baz=88,slo=6.3,SNR=4.2		LR	LR	12 22 11.1	

LZH	comp=Z,786nm,19.3s,MS5.2,baz=95,slo=32		P	P	11 46 34.0	+2.3
LZH	Lanzhou 90.97 307 eP	P	AP	AP	11 46 37.0	+1.4
LZH	comp=Z,2um,20.0s,MS5.5		XP	XP	11 46 39.0	+1.8
LZH	comp=Z,2um,20.0s,MS5.5		PP	PP	11 50 13.0	+2.5
LZH	comp=Z,2um,20.0s,MS5.5		SKS	SKS	11 57 04.0	-3.1
LZH	comp=Z,2um,20.0s,MS5.5		eS	eS	11 57 29.0	+2.9
LZH	comp=Z,2um,20.0s,MS5.5		XS	XS	11 57 35.0	
LZH	comp=Z,28nm,1.5s,mb5.4		AMB	AMB		
LZH	comp=Z,102nm,4.4s		LR	LR		
LZH	comp=E,3um,18.7s		LR	LR		
LZH	comp=Z,3um,19.2s,MS5.7		LR	LR		
NATX	Nacogdoches 91.08 57 PFAKE	LR			11 46 40.0	+7.7
NATX	comp=Z,2um,20.0s,MS5.6		LR	LR		
YKA	Yellowknife Arr 91.22 24 P	P			11 46 32.0	-0.2
YKA	comp=Z,3.7nm,0.9s,mb4.7,baz=242,slo=4.5,SNR=42		PP	PP	11 50 08.7	-3.1
YKA	comp=Z,0.6nm,1.2s,baz=257,slo=7.9,SNR=3.9		LR	LR	12 19 36.5	
YKA	comp=Z,934nm,21.0s,MS5.2,baz=233,slo=30		LR	LR	11 46 32.0	-0.2
YKA	Yellowknife Arr 91.22 24 P	P	PP	PP	11 50 08.7	-3.1
YKA	comp=Z,2um,20.0s,MS5.5		PP	PP	12 19 36.5	
YKA	comp=Z,2um,20.0s,MS5.5		P	P	11 46 34.9	+0.5
PLCA	Paso Flores 91.58 133 P	P	AP	AP	11 46 35.2	-0.6
SYO	comp=Z,6.9nm,1.2s,mb4.8,baz=227,slo=9.4,SNR=3.6		PP	PP	11 46 39.8	-0.2
SYO	Syowa Base 92.04 192 P	P	ePP	ePP	11 46 37.5	-0.7
SYO	Syowa Base 92.04 192 P	P	pP	pP		
BOD	Doaibo 92.50 330 eP	P	pmax	pmax		
BOD	comp=Z,5.0nm,1.8s,mb4.5		pmax	pmax		
ULN	Ulanbatar 92.57 319 eP	P	pmax	pmax	11 46 39.2	+0.4
ULN	comp=Z,28nm,1.5s,mb5.5		MLR	MLR		
ULN	comp=Z,1um,22.0s,MS5.3		MLR	MLR		
ULN	Ulanbatar 92.57 319 eP	P	P	P	11 46 39.2	+0.4
ULN	comp=Z,28nm,1.5s,mb5.5		LR	LR		
ULN	comp=Z,1um,22.0s,MS5.3		LR	LR		
MIAR	Mount Ida 92.76 55 PFAKE	LR			11 46 50.0	+1.0
MIAR	comp=Z,1um,22.0s,MS5.4		P	P	11 46 40.9	+0.2
SONM	Songino Array 92.98 319 P	P	PP	PP	11 50 29.7	+3.4
SONM	comp=Z,9.8nm,0.9s,mb4.8,baz=90,slo=3.7,SNR=9.9		PP	PP		
SONM	comp=Z,2.3nm,1.0s,baz=90,slo=7.4,SNR=4.9		LR	LR	12 24 41.8	
SONM	comp=Z,733nm,20.6s,MS5.1,baz=91,slo=33		LR	LR		
SNA	Sanae 93.04 178 P	P	iP	iP	11 46 41.9	+1.5
SNA	Sanae 93.04 178 P	P	P	P	11 46 41.2	+0.8
SNA	comp=Z,2.2nm,0.9s,mb4.6,baz=235,slo=9.1,SNR=4.0		P	P	11 46 34.6	-6.1
VNA3	Neumayer Olymp 93.10 176 P	P	P	P	11 46 35.4	-5.3
VNA3	Neumayer Olymp 93.10 176 eP	P	P	P	11 46 38.3	-2.4
VNA3	Neumayer Olymp 93.10 176 eP	P	P	P	11 46 50.0	+6.7
TEIG	Tepich 93.41 70 PFAKE	LR				
TEIG	comp=Z,387nm,21.0s,MS4.8		LR	LR		
VNA2	Neumayer-Watz 93.56 176 eP	P	P	P	11 46 45.9	+3.1
VNA2	Neumayer-Watz 93.56 176 eP	P	P	P	11 46 47.8	+5.0
VNA2	Neumayer-Watz 93.56 176 P	P	P	P	11 46 44.8	+2.0
VNA2	Neumayer-Watz 93.56 176 P	P	P	P	11 46 45.9	
VNA2	Neumayer-Watz 93.56 176 P	P	eP	eP	11 46 47.8	+0.8
NVL	N'lazarevskaya 93.88 183 P	P	ePS	ePS	11 46 59.3	+1.5
NVL	comp=Z,11nm,1.0s,mb5.2		pmax	pmax	11 59 15.6	+3.6
NVL	comp=Z,11nm,1.0s,mb5.2		MLR	MLR		
JTS	JuntasAbangare 93.97 80 P	P	P	P	11 46 45.8	-0.2
JTS	JuntasAbangare 93.97 80 P	P	P	P	11 46 45.8	-0.2
JTS	comp=Z,2.4nm,0.5s,mb4.9,baz=264,slo=13,SNR=4.2		P	P		
JTS	JuntasAbangare 93.97 80 P	P	LR	LR		
TIXI	Tiksi 94.25 345 iP	P	MLR	MLR	11 46 44.5	-1.5
TIXI	comp=Z,2um,20.0s,MS5.6		P	P	11 46 51.5	+1.3
GTA	Gaotai 95.00 309 eP	P	AP	AP	11 46 55.0	+0.7
GTA	comp=Z,61nm,6.5s		XP	XP	11 46 57.8	+2.1
GTA	comp=N,488nm,19.4s		SKS	SKS	11 57 25.5	-4.1
GTA	comp=E,1um,29.3s		S	S	11 58 02.8	+1.8
GTA	comp=Z,2um,20.0s,MS5.5		XS	XS	11 58 09.5	
GTA	comp=Z,6.0nm,1.1s,mb4.9		AMB	AMB		
GTA	comp=Z,61nm,6.5s		AMB	AMB		
GTA	comp=N,488nm,19.4s		LR	LR		
GTA	comp=E,1um,29.3s		LR	LR		
GTA	comp=Z,2um,20.0s,MS5.5		LR	LR		
CCM	Cathedral Cave 95.53 52 eP	P	pmax	pmax	11 46 50.6	-2.0
CCM	comp=Z,13nm,1.3s,mb5.2		MLR	MLR		
CCM	comp=Z,2um,20.0s,MS5.5		MLR	MLR		
CCM	Cathedral Cave 95.53 52 eP	P	P	P	11 46 50.6	-2.1
CCM	comp=Z,13nm,1.3s,mb5.2		LR	LR		
CCM	comp=Z,2um,20.0s,MS5.5		LR	LR		
ULM	Lao du Bonnet 95.70 40 LR	LR			12 24 31.5	
ULM	comp=Z,1um,19.9s,MS5.5,baz=64,slo=32		P	P	11 46 53.4	+0.2
ZAK	Zakamensk 95.72 321 eP	P	pmax	pmax		
ZAK	comp=Z,3.0nm,1.1s,mb4.6		pmax	pmax		
ZAK	comp=Z,3.0nm,1.1s,mb4.6		pmax	pmax		
NNA	Nana 95.78 104 PFAKE	LR			11 47 10.0	+1.6
NNA	comp=Z,2.0nm,1.4s,mb4.3		LR	LR		
TLY	Talaya 95.89 322 eP	P	P			



Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, and other technical details. Includes stations like ESK, LSZ, MALV, KIS, TSMU, etc.

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, and other technical details. Includes stations like HINF, SVIS, OBKA, PGB, etc.

Table with columns: Code, Station Name, Frequency, Power, Direction, Azimuth, Elevation, and other technical details. Includes stations like KSP, KRSP, CVR, etc.

26d 14h

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

KNET 26 13:10:02.4,0.5, 42.50N,75.86E, ml2.5, Error ellipse: s-maj=3.7km s-min=2.4km az=43.0

NNC 26 13:10:02.2,3.8, 42.57N,75.90E, mpv2.9, Error ellipse: s-maj=69.7km s-min=12.1km az=168.0

ISC 26 13:10:02.8, 42.50N,75.93E, 0.07, h10km,9km, n12, c050/21, 10C-9D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ULHL Ulanoh, TKM2 Tokmak 2, KZA Kyzart, etc.

LJU 26 13:13:03.6, 46.31N, 13.58E, h7km, ML1.7

ISC 26 13:13:03.5,0.8, 46.30N,13.58E, 0.04, h9km,8km, n13, c0949/24, 4C-5D, Austria

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ROBBS Robic, CADS Cadrj, DRE Drenchia, etc.

ISC 26 13:26:43.5, 1.8, 7.99S, 120.65E, mb3.3/2, mb1 3.7/4, mb1mx3.5/18, mbtmp3.5/4, ML3.4/2, Error ellipse: s-maj=168.8km s-min=25.0km az=56.0, Flores Sea

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

ISC 26 13:30:59.5, 3.1, 4.31N, 93.70E, mb3.8/3, mb1 4.0/4, mb1mx3.5/21, mbtmp3.5/4, ML3.8/1, Error ellipse: s-maj=115.6km s-min=25.5km az=60.0, Off west coast of northern Sumatra

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

ISC 26 13:37:04.1, 3.6, 18.84S, 174.84W, h56km,34km, mb4.0/7, mb1 4.2/8, mb1mx3.8/21, mbtmp4.3/8, Error ellipse: s-maj=49.2km s-min=19.7km az=135.0

NEIC 26 13:37:04.1, 1.7, 18.82S, 174.88W, h60km,17km, mb4.6/3, Error ellipse: s-maj=22.1km s-min=12.5km az=129.0

ISC 26 13:37:01.2, 3.0, 18.95S, 174.9W, 0.2, h45km,33km, n15, c0586/13, mb4.9/9, Tonga Islands

2005 APR

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

NEIC 26 13:46:36.3, 0.8, 32.79S, 177.88W, h10km, mb5.0/5, Error ellipse: s-maj=18.8km s-min=13.7km az=119.0

IDC 26 13:46:44.5, 5.5, 32.86S, 178.26W, h55km,46km, mb4.2/6, Mb1 4.4/8, mb1mx4.0/18, mbtmp4.5/8, ML3.8/2, MS4.0/1, Ms1 4.0/1, ms1mx3.2/26, Error ellipse: s-maj=35.2km s-min=29.3km az=18.0

ISC 26 13:46:32.7, 2.4, 32.83S, 177.8W, 0.2, h2km,17km, n40, c194/33, mb4.6/10, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RAO Raoul Island, PUZ Puketiti, MWZ Matawai, etc.

CASC 26 13:49:09.8, 1.7, 13.35N, 90.44W, h20km,7km, MD3.8, ML3.6, 4C-2D, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IXG Ixpac, SBL San Blas, RTR El Retiro, etc.

ISC 26 13:53:06.2, 1.1, 13.08N, 91.10E, mb3.7/7, mb1 3.9/7, mb1mx3.7/18, mbtmp3.7/7, MS3.4/1, Ms1 3.4/1, ms1mx2.9/17, Error ellipse: s-maj=56.5km s-min=29.5km az=50.0

CSEM 26 13:53:05.7, 0.9, 13.49N, 90.92E, h10km, ML3.5, Error ellipse: s-maj=36.9km s-min=7.9km az=151.0

954

OMAN 26 13:53:10.4, 0.8, 17.11N, 50.65E, h30km, Error ellipse: s-maj=177.4km s-min=15.5km az=302.0

DHMR 26 13:53:14.5, 1.1, 13.34N, 50.21E, h2km,928km, ML3.5, ISC 26 13:53:06.1, 0.7, 13.49N, 0.08, 50.96E, 0.05, h10km, n16, c129/19, mb3.7/7, MS3.3/1, 3C-5D, Eastern Gulf of Aden

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MUKL AI Mukalla, ABTO Aybut, ABTO Rabkut, etc.

IDC 26 13:54:52.9, 2.2, 8.85S, 129.89E, mb3.5/1, mb1 3.7/4, mb1mx3.5/14, mbtmp3.5/4, ML3.3/3, Error ellipse: s-maj=87.5km s-min=29.3km az=77.0, Timor Sea

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

BUI 26 14:01:39.3, 7.70N, 93.82E, h32km, mb5.0, mb4.9, Ms4.7, Ms2.4

MOS 26 14:01:40.3, 1.1, 7.82N, 93.95E, h33km, mb5.2/59, Error ellipse: s-maj=9.4km s-min=4.9km az=119.3

HRVD 26 14:01:40.5, 0.3, 7.74N, 94.04E, h12km, MW4.9/46, Centroid moment Tensor Solution. LP body waves: s24, c29, Mantle waves: s46, c77; Half duration: 0. Moment tensor: Scale 1.016Nm; M=1.13e11; Mw=0.30e09; Ms=2.44e09; Ma=0.38e37; Mw=1.00e08; Mr=1.20e27; Best double couple: M=2.788e10; N=1.219e8; R=37e7; lambda=57; NP2=360; R59=1.13; Principal axes: T 2.977, Plg12; Azm106; N-372, Plg19; Azm111; P-2.6, Plg67; Azm225; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 26 14:01:40.5, 0.1, 7.81N, 93.98E, mb5.0/62, MS4.5/67 Error ellipse: s-maj=5.9km s-min=3.8km az=222.0

IDC 26 14:01:41.5, 1.6, 7.87N, 94.06E, h30km,10km, mb4.6/27, mb1 4.6/27, mb1mx4.6/27, mbtmp4.7/27, MS4.0/10, Ms1 4.1/10, ms1mx4.0/16, Error ellipse: s-maj=14.7km s-min=9.0km az=49.0

ISC 26 14:01:38.7, 0.2, 7.73N, 0.03, 93.94E, 0.2, h24km, h24km, 6km, pP, N342, c1505/281, mb4.9/118, MS4.5/92, 7C-12D, Nicobar Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SNG Songkhla, KULM Kulim, IPM Ipo, etc.

ISC 26 14:02:38.7, 0.2, 7.73N, 0.03, 93.94E, 0.2, h24km, h24km, 6km, pP, N342, c1505/281, mb4.9/118, MS4.5/92, 7C-12D, Nicobar Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like QIZ Qiongzong, KMI Kunming, KMI Kuching, etc.

ISC 26 14:06:26.3, 0.0, 14.05N, 101.50E, h10km, ML3.5, Error ellipse: s-maj=23.9km s-min=7.9km az=151.0

CSEM 26 14:06:26.3, 0.0, 14.05N, 101.50E, h10km, ML3.5, Error ellipse: s-maj=23.9km s-min=7.9km az=151.0



Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MOS, OBN, TOO, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like GEC2, GERES, KHC, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like AVF, AVF, SYO, etc.











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

ICD 26 17:27:54.3.9.5.23S-146.64E, h109km, 38km, mb3.7/5, mb1 3.8/7, mb1mx3.7/15, mbmtp4.0/7, Error ellipse: s-maj=30.4km s-min=25.3km az=136.0

NEIC 26 17:27:56.7.2.1.5.32S-146.61E, h129km, 22km, mb4.0/3, Error ellipse: s-maj=22.9km s-min=14.8km az=126.0

ISC 26 17:27:53.7.3.8.5.35.0.2.146.5E, 0.2, h110km, 41km, n12, e0.91/12, mb3.8/E, Eastern New Guinea region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Port Moresby, Tennant Creek, Warrungarra Arr, etc.

NEIC 26 17:28:32.7.35.61N-26.09E, h29km, MD3.6(ATH), After ATH

CSEM 26 17:28:32.7.35.61N-26.09E, h29km, MD3.6/8, After ATH

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Neapolis, Khriasi, Karp, Santorini, etc.

ICD 26 17:36:38.8.2.6.6.55N-93.68E, mb3.3/3, mb1 3.6/4, mb1mx3.4/21, mbmtp3.4/4, ML3.8/1, Error ellipse: s-maj=93.7km s-min=26.3km az=64.0, Nicobar Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Chiang Mai Arr, Makanchi Array, Warrungarra Arr, etc.

MOS 26 17:50:47.2.3.7.42.43N-44.41E, h10km, mb3.8/1, Error ellipse: s-maj=9.0km s-min=4.8km az=117.5

TIF 26 17:50:48.6.42.77N-44.63E, h6km, 1km, ISC 26 17:50:53.9.1.0.42.59N-0.07-44.5E, 0.1, h10km, n9, e151/15, 1C-1D, Western Caucasus

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Delisi, Mtatsmindza, DGR David-gareji, etc.

ICD 26 18:05:52.2.2.0.43.52N-105.30W, mb4.3/1, mb1 3.8/4, mb1mx3.5/22, mbmtp3.6/4, ML3.4/3, Error ellipse: s-maj=48.0km s-min=9.2km az=153.0

NEIC 26 18:05:54.3.0.6.43.75N-105.24W, ML3.2, Error ellipse: s-maj=9.4km s-min=5.7km az=140.0, Suspected Mining explosion

NEIC 65 km [40 miles] SSE of Gillette. ISC 26 18:05:52.9.6.43.79N-105.23W, 0.08, n28, e152/34, mb4.2/1, Wyoming

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Black Hills, Rawlins, Lasa Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Laska Array, Pinedale Array, Indian Meadow, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Indian Meadow, Auburn Hatcher, Red Ridge, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Toone Canyon, Daniels Canyon, San Rafael, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Paradox Valley, Trail Mountain, Chamberlain Mo, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Lac du Bonnet, Yellowstone Array, etc.

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

ICD 26 18:15:00.1.1.7.43.52N-105.29W, mb3.9/3, mb1 3.8/7, mb1mx3.6/23, mbmtp3.6/7, ML3.4/1, Ms1 2.4/1, ms1mx2/2/9, Error ellipse: s-maj=46.4km s-min=8.5km az=151.0

NEIC 26 18:15:01.7.0.4.43.74N-105.23W, ML3.2, Error ellipse: s-maj=6.5km s-min=4.6km az=133.0, Suspected Mining explosion

NEIC 65 km [40 miles] SSE of Gillette. ISC 26 18:14:59.9.0.5.43.76N-105.20W, 0.06, n39, e190/40, mb3.9/S, MS2.4/1, Wyoming

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Black Hills, Pilot Hill, Rawlins, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Paradox Valley, Toone Canyon, Daniels Canyon, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Paradox Valley, Trail Mountain, Chamberlain Mo, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Mina Array Bea, YKA, FX1, etc.

ICD 26 18:20:23.9.1.5.19.98S-169.14E, mb3.6/3, mb1 3.8/4, mb1mx3.0/15, mbmtp3.6/4, ML3.3/1, Error ellipse: s-maj=34.7km s-min=34.7km az=159.0

NEIC 26 18:20:25.1.0.8.19.94S-169.17E, h10km, mb4.2/3, Error ellipse: s-maj=19.4km s-min=14.0km az=143.0

ISC 26 18:20:28.4.1.2.20.2S-0.2-169.0E, 0.1, h33km, n13, e190/16, mb3.9/S, Vanuatu Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Mont Dzumac, Port Laguerre, Warrungarra Arr, etc.

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

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

NEIC 26 18:22:08.9.39.05N-26.00E, h10km, MD3.5(ATH), MD3.4(14I), After CSEM

ATH 26 18:22:09.2.39.13N-26.24E, h32km, MD3.6/8, ISK 26 18:22:09.3.39.05N-25.80E, h32km, MD3.4

THE 26 18:22:10.4.0.1.39.06N-26.09E, h20km, MD3.5, Error ellipse: s-maj=2.6km s-min=1.9km az=43.0

SOE 26 18:22:11.4.39.41N-26.05E, h2km, MD2.8, ISC 26 18:22:10.2.0.5.39.06N-0.02-26.00E, 0.03, h22km, 6km, n61, e193/79, Aegean Sea

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

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

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

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

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

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

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

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

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

NEIC 26 18:39:02.4.31.79S-68.89W, h2km, ML3.5(GUC), After GUC. GUC 26 18:39:02.4.0.8.31.79S-68.89W, h2km, 2km, MD3.9, ML3.5, 3C-3D, San Juan Province

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





Table with columns: EKS2, Erkin-Say, SNR=25, 3.19 86 P, Pn, 19 49 37.2 +6.4, etc.

Table with columns: SACS, San Casciano d, 1.06 258 Pn, Pn, 20 15 42.5 +0.5, etc.

Table with columns: YKWS, Yellowknife Ar, 20.47 57 eP, P, 20 41 29.6 +1.7, etc.

IDC 26 19:53:08.7520.0, 20.24S, 178.19E, mb3.8/3, mb1 4.0/3, mb1mx3.6/15, mbtmp3.8/3, Error ellipse: s-maj=516.6km s-min=141.9km az=81.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, etc.

IDC 26 19:55:11.9, 0.24, 64.69N, 0.06-36.35E, 0.04, h10km, n10, c073/13, 4D, Red Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, etc.

ARCES ARCES Array B 54 28 0 P, comp=Z, 1.00m, 0.6s, mb4.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, etc.

ARCES ARCES Array B 54 28 0 P, comp=Z, 1.00m, 0.6s, mb4.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, etc.

ARCES ARCES Array B 54 28 0 P, comp=Z, 1.00m, 0.6s, mb4.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, etc.

ARCES ARCES Array B 54 28 0 P, comp=Z, 1.00m, 0.6s, mb4.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, etc.

ARCES ARCES Array B 54 28 0 P, comp=Z, 1.00m, 0.6s, mb4.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, etc.

ARCES ARCES Array B 54 28 0 P, comp=Z, 1.00m, 0.6s, mb4.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, etc.

ARCES ARCES Array B 54 28 0 P, comp=Z, 1.00m, 0.6s, mb4.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, etc.

ARCES ARCES Array B 54 28 0 P, comp=Z, 1.00m, 0.6s, mb4.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, etc.

ARCES ARCES Array B 54 28 0 P, comp=Z, 1.00m, 0.6s, mb4.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, etc.

ARCES ARCES Array B 54 28 0 P, comp=Z, 1.00m, 0.6s, mb4.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, etc.

ARCES ARCES Array B 54 28 0 P, comp=Z, 1.00m, 0.6s, mb4.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, etc.

ARCES ARCES Array B 54 28 0 P, comp=Z, 1.00m, 0.6s, mb4.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, etc.

ARCES ARCES Array B 54 28 0 P, comp=Z, 1.00m, 0.6s, mb4.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, etc.

ARCES ARCES Array B 54 28 0 P, comp=Z, 1.00m, 0.6s, mb4.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, etc.

ARCES ARCES Array B 54 28 0 P, comp=Z, 1.00m, 0.6s, mb4.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, etc.

ARCES ARCES Array B 54 28 0 P, comp=Z, 1.00m, 0.6s, mb4.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, etc.

ARCES ARCES Array B 54 28 0 P, comp=Z, 1.00m, 0.6s, mb4.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, etc.

ARCES ARCES Array B 54 28 0 P, comp=Z, 1.00m, 0.6s, mb4.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, etc.

ARCES ARCES Array B 54 28 0 P, comp=Z, 1.00m, 0.6s, mb4.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, etc.

ARCES ARCES Array B 54 28 0 P, comp=Z, 1.00m, 0.6s, mb4.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, etc.

ARCES ARCES Array B 54 28 0 P, comp=Z, 1.00m, 0.6s, mb4.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, etc.

ARCES ARCES Array B 54 28 0 P, comp=Z, 1.00m, 0.6s, mb4.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, etc.

ARCES ARCES Array B 54 28 0 P, comp=Z, 1.00m, 0.6s, mb4.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, etc.

ARCES ARCES Array B 54 28 0 P, comp=Z, 1.00m, 0.6s, mb4.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, etc.

ARCES ARCES Array B 54 28 0 P, comp=Z, 1.00m, 0.6s, mb4.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, etc.



Table with columns: Call Sign, Station Name, Frequency, Power, and other technical details. Includes stations like La Chapelle, Les Rejaudoux, La Frestrate, etc.

JMA 26:20:40.70.2.0.30.12N:139.25E, h442km, M3.4
IDC 26:20:40.22.2.1.0.30.10N:139.32E, h437km, 33km, mb3.1/3, mb1 3.1/6, mb1mx2.7/23, mbtmp3.8/6, Error ellipse: s-maj=11.8km s-min=12.2km az=73.0

ISC 26:20:40.21.0.0.6.30.18N:0.07x139.5E:0.2, h452km, 10km, n17, c079723, mb3.3/3, Southeast of Honshu

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like Hachiojima 2, Chichijima, Tokai 2, etc.

IDC 26:20:50.08.5.0.7.13.63N:92.92E, h18km, 3km, mb3.7/12, mb1 3.9/13, mb1mx3.7/21, mbtmp3.8/13, ML3.9/1, Error ellipse: s-maj=32.1km s-min=13.7km az=52.0

NEIC 26:20:50.10.1.0.6.13.72N:93.01E, h30km, mb4.2/4, Error ellipse: s-maj=16.3km s-min=11.0km az=50.0

BJI 26:20:50.16.2.14.09N:93.89E, h30km, mb4.6, mb4.1, Ms3.8, Msz3.7

ISC 26:20:50.06.9.3.0.13.80N:0.07x93.01E:0.06, h19km, 22km, h22km, 1.5km, pp-P, n37, c1111/39, mb4.0/17, MS3.7/1, 1D, Andaman Islands region

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like Nakhon Sawan, Chiang Mai Arr, Chamai, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, and other technical details. Includes stations like Warramunga Arr, Tenna Creek, Alice Springs, etc.

NEIC 26:21:13.36.1, 38.78S-175.80E, h137km, MG3.9(WEL), After WEL., North Island

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like Maungaku, Ngauruhoe, CNZ, etc.

SKO 26:21:20:52.6.4.1.84N:20.97E, h10km, ML3.0
CSEM 26:21:20:52.7.0.1.41.82N:20.97E, h12km, ML2.9, Error ellipse: s-maj=2.0km s-min=1.3km az=39.0

PDG 26:21:20:55.4.0.2.41.91N:20.85E, h10km, 1km
NEIC 26:21:20:55.4.4.1.91N:20.85E, h10km, MD2.6(PDG), ML3.0(SKO), After PDG.

The 26:21:20:58.8.4.1.68N:21.38E, ML2.9
TIR 26:21:21:02.2.41.13N:20.28E, h12km
ISC 26:21:21:02.8.0.41.91N:20.03x20.98E:0.03, h10km, n26, ISC 26:51/45, 10C-1D, Albania

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like Skopje, Ohrid, Puka, Bajram Curri, etc.

IDC 26:21:26:25.7.4.9.09S:130.60E, h86km, 83km, mb3.4/1, mb1 3.3/4, mb1mx3.1/14, mbtmp3.4/4, ML3.2/3, Error ellipse: s-maj=56.2km s-min=45.1km az=12.0, Timor Sea

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like Fitzroy Crossi, Warramunga Arr, Alice Springs, etc.

IDC 26:21:40:48.9.6.7.35.71S:179.36E, h83km, 59km, mb3.8/5, mb1 4.0/6, mb1mx3.8/5, mbtmp4.2/6, ML4.5/1, Error ellipse: s-maj=60.3km s-min=45.9km az=162.0
NEIC 26:21:40:57.7.1.6.36.82S:179.31E, h173km, 9km, mb4.4/1, Error ellipse: s-maj=25.7km s-min=17.9km az=96.0
WEL 26:21:40:50.9.0.9.35.98S:179.34E, h151km, 9km, ML4.3/11, 2D, Error ellipse: s-maj=7.2km s-min=6.8km az=90.0, Off east coast of North Island

Table with columns: Call Sign, Station Name, Frequency, Power, and other technical details. Includes stations like Puketiti, White Island, Manawahe, etc.

ASAR Alice Springs 40.95 270 P 21 48 23.2 +3.2
WRAB Tennant Creek 52.70 129 eP P 21 48 34.1 +1.7

WRA Warramunga Arr 52.70 129 P 21 48 34.6 +2.1
NWAO Ngorongoro 52.70 129 P 21 49 38.8 +3.1

CMAR Chiang Mai Arr 83.99 294 P 21 53 55.4 +6.0
JOF Joensuu 65.07 334 eP P 21 50 02.0 +0.8

KAF Kangansiem 148.89 336 eP P 22 00 22.4 +6.9
FINES FINESS Array B 149.43 35 eP P 22 00 26.0 +1.0

MOS 26:21:53:59.2.0.8.49.87N:18.50E, h10km, mb3.8/2, Error ellipse: s-maj=6.7km s-min=5.3km az=102.8

WAR 26:21:53:59.7.49.88N:18.44E, h5km, 1km
PRU 26:21:53:59.9.49.84N:18.51E, Felt In
IDC 26:21:53:60.0.9.49.68N:18.54E, mb1 3.4/6, mb1mx3.2/22, mbtmp3.3/6, ML3.3/6, Error ellipse: s-maj=15.5km s-min=7.0km az=152.0

CSEM 26:21:53:59.8.0.1.49.77N:18.56E, h2km, ML3.6/12, Error ellipse: s-maj=2.1km s-min=1.4km az=177.0

IPEC 26:21:53:59.3.0.1.49.76N:18.55E, ML3.1/3, Error ellipse: s-maj=1.4km s-min=0.7km az=172.0

NEIC 26:21:53:59.7.0.2.49.85N:18.47E, h5km, ML3.8(FUR), ML3.7(SZGRF), ML3.5(BRG), ML3.5(CLL), ML3.4(VIE), Error ellipse: s-maj=3.6km s-min=3.0km az=178.0

LDG 26:21:54:00.4.0.2.49.89N:18.53E, h1km, M1.8, Error ellipse: s-maj=6.0km s-min=3.3km az=2.0, Suspected Mining induced.

BGR 26:21:54:00.2.0.6.49.87N:18.46E, h1km, ML3.7/10, Error ellipse: s-maj=10.0km s-min=6.6km az=10.0

ISC 26:21:53:57.6.0.2.49.87N:18.42E, 0.02, n125, c131/224, mb3.8/1, 19C-5D, Czech and Slovak Republics

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like Ostrava-Krasne, Rac, Moravsky Berou, etc.

UPC Uppice 1.67 293 eP P 21 54 31.7 +0.7
KSP Ksiaz 1.68 306 eP P 21 54 30.4 +2.0



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Mount Harif, Mount Berech, Elat, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Fines, ESDC, HFS, MKAR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CMAR, SONM, MKAR, BVAR, etc.

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DLH, AML, UCH, EK2S, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GKN, KKN, KKN, AB31, etc.

NEIC 26 22:54:56.6, 37.11S-177.22E, h193km, MG3.9(WEL), After WEL

WEL 26 22:54:56.3, 0.2, 37.11S-177.23E, h195km, 2km, ML3.9/12, 3C-1D, Error ellipse: s-maj=2.9km s-min=2.6km az=90.0,

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

NEIC 26 23:12:20.8, 0.9, 18.60S-173.53W, h10km, mb4.5/2, Error ellipse: s-maj=25.8km s-min=10.3km az=121.0,

IDC 26 23:12:25.5, 9.9, 18.48S-172.87W, h95km, 145km, mb4.1/5, mb1.4/16, mb1mx3.6/21, mbtmp4.4/6, ML2.1/1, Error ellipse: s-maj=180.0km s-min=28.3km az=88.0,

ISC 26 23:12:24.7, 1.6, 18.55S-172.9W, 0.3, h100km, n10, o554/11, mb4.4/6, Tonga Islands region

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

ATH 26 23:13:53.9, 39.30N-21.14E, h26km, 1km, MD3.5/8 THE 26 23:13:53.7, 39.30N-21.12E, h10km, ML3.3

NEIC 26 23:13:53.9, 39.30N-21.14E, h26km, MD4.1(AFH), After ATH

CSEM 26 23:13:54.0, 0.2, 39.30N-21.10E, h5km, MD4.1, Error ellipse: s-maj=4.0km s-min=3.2km az=41.0,

ISC 26 23:13:53.7, 0.4, 39.30N-0.02-21.15E, 0.03, h10km, n23, s1509/38, 1D, Greece

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

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

IDC 26 23:22:51.1, 1.4, 10.41S-123.67E, mb3.9/2, mb1 3.9/5, mb1mx3.7/15, mbtmp3.8/5, ML3.5/3, Error ellipse: s-maj=108.1km s-min=24.7km az=63.0, Timor region

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

IDC 26 23:38:27.0, 3.1, 43.83N-128.15W, mb2.9/3, mb1 3.4/6, mb1mx3.2/4, mbtmp3.2/6, ML3.3/3, MS3.2/5, Mst1 3.2/5,

ISC 26 23:38:28.4, 4.2, 43.84N-128.19W, h10km, mb3.5/1, Error ellipse: s-maj=1.7km s-min=6.6km az=55.0,

ISC 26 23:38:28.4, 4.2, 43.84N-128.19W, h10km, mb3.5/1, Error ellipse: s-maj=72.0km s-min=16.3km az=53.0,

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

YKA 26 23:46:18.1, 0.1, 1.4m, 0.3s, baz=208, slow=1.1, SNR=16

YKA 26 23:46:18.1, 0.1, 1.4m, 0.3s, baz=208, slow=1.1, SNR=16

YKA 26 23:46:18.1, 0.1, 1.4m, 0.3s, baz=208, slow=1.1, SNR=16

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

MOS 26 23:56:48.7, 1.2, 34.58N-46.02E, h33km, mb4.6/18, Error ellipse: s-maj=18.5km s-min=6.4km az=44.0,

IDC 26 23:56:49.1, 1.4, 35.23N-46.24E, mb3.8/10, mb1 4.0/12, mb1mx3.8/23, mbtmp3.8/12, ML3.9/2, MS3.1/5, Ms1 3.2/5,

THR 26 23:56:50.7, 0.5, 35.29N-46.33E, h15km, ML3.8 CSEM 26 23:56:50.4, 0.1, 35.00N-46.13E, h44km, 1km, mb4.5/22,

TEH 26 23:56:51.1, 35.12N-46.13E, h23km, Mn3.9 NEIC 26 23:56:51.1, 35.12N-46.13E, h23km, mb4.5/23,

ISC 26 23:56:51.4, 0.4, 35.14N-0.03-46.27E, 0.03, h44km, 5km, n163, o1947/170, mb4.2/36, MS3.1/5, 5C-8D, Iran-Iraq border region

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







27d Oh

Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like HGHN, HYF, TCF, etc.

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Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like GERE, GERE, GERE, etc.

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Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like CLNS, Chul'man, CLNS, etc.



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes stations like MORC, CLCC, COLM, etc.

NEIC 27 01:00:24.7, 32.37S:-71.49W, h44km, MD3.5(GUC), After GUC.

GUC 27 01:00:24.7-0.8, 32.37S:-71.49W, h44km, 2km, MD3.5, ML2.6, 5C-8D, Near coast of Central Chile

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and station details. Includes stations like PACH, CHNG, ROCH, etc.

IDC 27 01:21:07.8:-7.2, 16.72N-147.27E, h187km, 68km, mb3.3/8, mb1 3.5/8, mb1mx3.4/20, mbtmp3.8/8, Error ellipse: s-maj=33.3km s-min=16.5km az=96.0, Mariana Islands region

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

JMA 27 01:26:31.4:-0.1, 40.70N:142.56E, h49km, 4km, M3.7 JMA Felt 1 J1.

IDC 27 01:26:33.7:-4.6, 40.77N:142.42E, h71km, 24km, mb3.3/2, mb1 3.3/4, mb1mx3.0/23, mbtmp3.5/4, Error ellipse: s-maj=105.4km s-min=18.9km az=106.0

ISC 27 01:26:31.4:-0.7, 40.71N:0.04:142.47E:0.08, h68km, gkm, n15, c050/24, mb3.5/2, 1C-5D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and station details. Includes stations like JANG, JTH, JTM, etc.

MOS 27 01:57:24.0: 1.9, 46.46N:153.45E, h33km, mb4.5/6, Error ellipse: s-maj=20.1km s-min=14.2km az=59.0

IDC 27 01:57:27.9:-5.0, 46.91N:153.15E, h33km, 39km, mb3.8/11, mb1 4.0/13, mb1mx3.8/25, mbtmp4.0/13, M3.5/2, Error ellipse: s-maj=27.6km s-min=18.0km az=162.0

ISC 27 01:57:26.9: 1.8, 46.96N:0.1:153.2E:0.1, h44km, 17km, n26, c095/28, mb4.0/11, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and station details. Includes stations like SKR, YUK, YSS, etc.

MOS 27 02:15:33.6: 1.1, 8.75N:92.28E, h33km, mb4.8/10, Error ellipse: s-maj=14.8km s-min=6.9km az=100.9

BUI 27 02:15:33.8, 8.39N:92.49E, h58km, mb4.8, mb4.7, Ms4.2, IDC 27 02:15:35.3: 0.4, 8.73N:92.41E, h39km, 3km, mb4.0/22, mb1 4.2/23, mb1mx4.1/25, mbtmp4.2/23, ML4.7/1, MS4.1/18, Ms1.4/18, mb1mx3.9/27, Error ellipse: s-maj=17.3km s-min=10.0km az=54.0

NEIC 27 02:15:35.3: 0.3, 8.70N:92.35E, mb4.5/6, Error ellipse: s-maj=9.5km s-min=7.5km az=218.0

ISC 27 02:15:33.7: 0.3, 8.67N:0.04:92.34E:0.04, h38km, h38km, 1.2km, pp-P, n103, s119, mb4.4/38, MS4.2/26, 1C-7D, Nicobar Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and station details. Includes stations like PBA, PNB, VANT, etc.

MOS 27 02:15:33.6: 1.1, 8.75N:92.28E, h33km, mb4.8/10, Error ellipse: s-maj=14.8km s-min=6.9km az=100.9

BUI 27 02:15:33.8, 8.39N:92.49E, h58km, mb4.8, mb4.7, Ms4.2, IDC 27 02:15:35.3: 0.4, 8.73N:92.41E, h39km, 3km, mb4.0/22, mb1 4.2/23, mb1mx4.1/25, mbtmp4.2/23, ML4.7/1, MS4.1/18, Ms1.4/18, mb1mx3.9/27, Error ellipse: s-maj=17.3km s-min=10.0km az=54.0

NEIC 27 02:15:35.3: 0.3, 8.70N:92.35E, mb4.5/6, Error ellipse: s-maj=9.5km s-min=7.5km az=218.0

ISC 27 02:15:33.7: 0.3, 8.67N:0.04:92.34E:0.04, h38km, h38km, 1.2km, pp-P, n103, s119, mb4.4/38, MS4.2/26, 1C-7D, Nicobar Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and station details. Includes stations like PBA, PNB, VANT, etc.

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and station details. Includes stations like KMI, GOA, KARAD, etc.

27d 2h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like NVS Novosibirsk, BVAR Borovoye Arr, NWAOW Narrogin (SRO), etc.

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like LPAZ, IDC 27 02:25:57.4.2.2, URZ Urewera, etc.

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like COLA College, AKASG Malin Array Be, ILAR Eielson Arr, etc.

Table with columns: CALL, Station Name, Frequency, Power, SNR, and other technical details. Includes stations like Biibino, Makanchi Array, Warramunga Arr, etc.

IGQ 27 03:01:53.6, 4.495-81.13W, h12km, 24km, mb4.4, 1C-2D, Near coast of northern Peru

Table with columns: Code, Station Name, Frequency, Power, SNR, and other technical details. Includes stations like Salinas, Cerro de Hojas, Igalata, etc.

IDC 27 03:03:29.2, 1.6, 1.11N-96.93E, mb4.1/7, mb1 4/2/8, mb1mx3.9/20, mbmp4.1/8, ML4.3/1, MS3.9/1, Ms1 3.9/1, ms1mx3.0/20, Error ellipse: s-maj=75.0km s-min=20.3km az=56.0

NEIC 27 03:03:34.0, 0.7, 1.22N-97.12E, h30km, mb4.6/2, Error ellipse: s-maj=17.6km s-min=11.5km az=66.0

ISC 27 03:03:32.7, 0.9, 1.3N-101.97E, h1.0, h33km, n18, c099/17, mb4.4/13, MS3.9/1, Northern Sumatara

Table with columns: Code, Station Name, Frequency, Power, SNR, and other technical details. Includes stations like Kulim, Chiang Mai Arr, Pulchoki, etc.

IDC 27 03:28:13.3, 1.5, 11.87N-86.78W, mb3.7/6, mb1 4.0/6, mb1mx3.7/19, mbmp3.7/16, ML3.0/1, Error ellipse: s-maj=67.2km s-min=17.4km az=49.0

CASC 27 03:28:15.3, 1.3, 11.22N-87.29W, h37km, 993km, MD4.3, ML3.5

ISC 27 03:28:14.8, 1.1, 11.22N-87.09, 87.29W, 0.07, h44km, 11km, n14, c093/19, mb3.7/6, 1C-1D, Near coast of Nicaragua

Table with columns: Code, Station Name, Frequency, Power, SNR, and other technical details. Includes stations like Managua, Americas 2, Conchagua, etc.

Table with columns: CALL, Station Name, Frequency, Power, SNR, and other technical details. Includes stations like TXAR, PDAR, SCHO, BDFB, YKA, ILAR, etc.

IDC 27 03:43:54.2, 0.5, 4.31N-93.26E, mb4.4/17, mb1 4.6/18, mb1mx4.6/19, mbmp4.4/18, ML4.0/1, Error ellipse: s-maj=22.8km s-min=12.7km az=49.0

MOS 27 03:43:57.5, 0.9, 4.34N-93.35E, h33km, mb4.9/17, Error ellipse: s-maj=12.5km s-min=6.8km az=112.9

BUI 27 03:43:57.2, 3.76N-93.24E, h56km, mb5.1, mb5.0, Ms5.3, Ms2.5

NEIC 27 03:49:58.1, 0.3, 4.31N-93.24E, mb4.8/15, Error ellipse: s-maj=9.0km s-min=5.8km az=207.0

ISC 27 03:43:56.1, 0.3, 4.23N-100.05, 93.28E, 0.04, h24km, n18, c099/17, mb4.4/13, MS3.9/1, Ms1 3.9/1, ms1mx3.0/20, Error ellipse: s-maj=75.0km s-min=20.3km az=56.0

2C-3D, Off west coast of northern Sumatara

Table with columns: Code, Station Name, Frequency, Power, SNR, and other technical details. Includes stations like Kulim, Songkhla, Khon Kaen, etc.

IGQ 27 03:01:53.6, 4.495-81.13W, h12km, 24km, mb4.4, 1C-2D, Near coast of northern Peru

Table with columns: Code, Station Name, Frequency, Power, SNR, and other technical details. Includes stations like Kota Kinabalu, Pulchoki, Gamba, etc.

IDC 27 03:03:29.2, 1.6, 1.11N-96.93E, mb4.1/7, mb1 4/2/8, mb1mx3.9/20, mbmp4.1/8, ML4.3/1, MS3.9/1, Ms1 3.9/1, ms1mx3.0/20, Error ellipse: s-maj=75.0km s-min=20.3km az=56.0

NEIC 27 03:03:34.0, 0.7, 1.22N-97.12E, h30km, mb4.6/2, Error ellipse: s-maj=17.6km s-min=11.5km az=66.0

ISC 27 03:03:32.7, 0.9, 1.3N-101.97E, h1.0, h33km, n18, c099/17, mb4.4/13, MS3.9/1, Northern Sumatara

Table with columns: Code, Station Name, Frequency, Power, SNR, and other technical details. Includes stations like Kulim, Chiang Mai Arr, Pulchoki, etc.

IDC 27 03:28:13.3, 1.5, 11.87N-86.78W, mb3.7/6, mb1 4.0/6, mb1mx3.7/19, mbmp3.7/16, ML3.0/1, Error ellipse: s-maj=67.2km s-min=17.4km az=49.0

CASC 27 03:28:15.3, 1.3, 11.22N-87.29W, h37km, 993km, MD4.3, ML3.5

ISC 27 03:28:14.8, 1.1, 11.22N-87.09, 87.29W, 0.07, h44km, 11km, n14, c093/19, mb3.7/6, 1C-1D, Near coast of Nicaragua

Table with columns: Code, Station Name, Frequency, Power, SNR, and other technical details. Includes stations like Managua, Americas 2, Conchagua, etc.

Table with columns: CALL, Station Name, Frequency, Power, SNR, and other technical details. Includes stations like KMBO, KMI, GNB, GNI, etc.

IDC 27 03:43:54.2, 0.5, 4.31N-93.26E, mb4.4/17, mb1 4.6/18, mb1mx4.6/19, mbmp4.4/18, ML4.0/1, Error ellipse: s-maj=22.8km s-min=12.7km az=49.0

MOS 27 03:43:57.5, 0.9, 4.34N-93.35E, h33km, mb4.9/17, Error ellipse: s-maj=12.5km s-min=6.8km az=112.9

BUI 27 03:43:57.2, 3.76N-93.24E, h56km, mb5.1, mb5.0, Ms5.3, Ms2.5

NEIC 27 03:49:58.1, 0.3, 4.31N-93.24E, mb4.8/15, Error ellipse: s-maj=9.0km s-min=5.8km az=207.0

ISC 27 03:43:56.1, 0.3, 4.23N-100.05, 93.28E, 0.04, h24km, n18, c099/17, mb4.4/13, MS3.9/1, Ms1 3.9/1, ms1mx3.0/20, Error ellipse: s-maj=75.0km s-min=20.3km az=56.0

2C-3D, Off west coast of northern Sumatara

Table with columns: Code, Station Name, Frequency, Power, SNR, and other technical details. Includes stations like Kulim, Songkhla, Khon Kaen, etc.

IGQ 27 03:01:53.6, 4.495-81.13W, h12km, 24km, mb4.4, 1C-2D, Near coast of northern Peru

Table with columns: Code, Station Name, Frequency, Power, SNR, and other technical details. Includes stations like Kota Kinabalu, Pulchoki, Gamba, etc.

IDC 27 03:03:29.2, 1.6, 1.11N-96.93E, mb4.1/7, mb1 4/2/8, mb1mx3.9/20, mbmp4.1/8, ML4.3/1, MS3.9/1, Ms1 3.9/1, ms1mx3.0/20, Error ellipse: s-maj=75.0km s-min=20.3km az=56.0

NEIC 27 03:03:34.0, 0.7, 1.22N-97.12E, h30km, mb4.6/2, Error ellipse: s-maj=17.6km s-min=11.5km az=66.0

ISC 27 03:03:32.7, 0.9, 1.3N-101.97E, h1.0, h33km, n18, c099/17, mb4.4/13, MS3.9/1, Northern Sumatara

Table with columns: Code, Station Name, Frequency, Power, SNR, and other technical details. Includes stations like Kulim, Chiang Mai Arr, Pulchoki, etc.

IDC 27 03:28:13.3, 1.5, 11.87N-86.78W, mb3.7/6, mb1 4.0/6, mb1mx3.7/19, mbmp3.7/16, ML3.0/1, Error ellipse: s-maj=67.2km s-min=17.4km az=49.0

CASC 27 03:28:15.3, 1.3, 11.22N-87.29W, h37km, 993km, MD4.3, ML3.5

ISC 27 03:28:14.8, 1.1, 11.22N-87.09, 87.29W, 0.07, h44km, 11km, n14, c093/19, mb3.7/6, 1C-1D, Near coast of Nicaragua

Table with columns: Code, Station Name, Frequency, Power, SNR, and other technical details. Includes stations like Managua, Americas 2, Conchagua, etc.





27d 3h

Table with columns: VOY, Vojsko, 79.55 316, eP, P, 03 57 37.7 -1.0, 03 58 00.0, 03 57 39.3 +0.1, etc.

2005 APR

Table with columns: SBF, Sospel, 84.04 314, eP, P, 03 58 01.8 -0.4, 03 58 01.8 -0.4, etc.

976

Table with columns: DAG, Danmarks Havn, 90.80 348, iP, P, 03 58 34.0 -0.1, 03 58 34.0 -0.1, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NELSON, BINGHAMTON, PINYON FLAT, etc.

IDC 27 04:03:54.2; 1.10, 5.22N; 91.45E, mb3.7/3, mb1 4.0/4, mb1mx3.5/2, mb1mp3.8/3, ML4.4/1, Error ellipse: s-maj=26.0km s-min=68.4km az=137.0, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAR, LATR, MKAR, etc.

IDC 27 04:10:47.9; 3.1, 3.8S; 99.66E, mb3.8/2, mb1 4.0/3, mb1mx3.5/16, mb1mp3.8/3, ML4.4/1, Error ellipse: s-maj=146.0km s-min=27.6km az=56.0, Southern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAR, CHIANG MAI ARR, etc.

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

NEIC 27 04:12:15.6; 3.6, 5.0, 43N; 18.67E, h5km, ML2.6(VIE), Error ellipse: s-maj=49.1km s-min=9.8km az=170.0

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 27 04:16:34.3; 1.8, 2.4, 32S; 116.00W, mb3.9/6, mb1 4.2/6, mb1mx3.9/19, mb1mp3.9/6, Error ellipse: s-maj=70.2km s-min=26.1km az=40.0

ISC 27 04:16:34.0; 2.8, 2.3, 30S; 0.4; 116.00W, h10km, n9, 0.92F6, mb3.9/6, Southern East Pacific Rise

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PLCA, LPAZ, SIV, etc.

IDC 27 04:33:20.9; 0.6, 3.2, 67S; 178.31W, mb4.1/0, mb1 4.6/12, mb1mx4.5/19, mb1mp4.5/12, ML4.2/1, MS4.4/12, Ms1 4.4/12, ms1mx4.1/28, Error ellipse: s-maj=22.9km s-min=16.4km az=157.0

HRVD 27 04:33:22.6; 0.8, 3.2, 50S; 177.85W, h29km, 2km, MWV4.9/38, Centroid moment Tensor Solution. LP body waves: s15,c17,Mantle waves: s38,c47; Half duration: 0 Moment tensor: Scale 10^16Nm; Mr:2.48t; 29; Mo:0.94t; 24; Mw:1.54t; 20; Mo:0.58t; 36; Mo:0.93t; 14; Mw:1.62t; 28; Best double couple: M2:908; 1018 NPT:223; 828; 7:04; NP2:207; 863; 1833. Principal axes: T:3.066, P:7.17, Azm:28; N:-321, P:7, Azm:30; T:-2.749, P:7.18, Azm:123; nsta1 refers to body waves

NEIC 27 04:33:22.6; 0.5, 3.2, 61S; 178.36W, h12km, 30km, Ms5.0/6 Error ellipse: s-maj=13.7km s-min=10.0km az=155.0

MOS 27 04:33:24.6; 1.7, 3.2, 43S; 178.31W, h33km, mb5.2/3, Error ellipse: s-maj=15.9km s-min=14.2km az=63.7

ISC 27 04:33:24.6; 0.1, 3.2, 76S; 0.05; 178.5W, 0.1, h33km, n73, 0.1929/39, mb4.8/11, MS4.3/11, 3C-3D, South of Kermadec Islands

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

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

NEIC 27 04:12:15.6; 3.6, 5.0, 43N; 18.67E, h5km, ML2.6(VIE), Error ellipse: s-maj=49.1km s-min=9.8km az=170.0

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 27 04:16:34.3; 1.8, 2.4, 32S; 116.00W, mb3.9/6, mb1 4.2/6, mb1mx3.9/19, mb1mp3.9/6, Error ellipse: s-maj=70.2km s-min=26.1km az=40.0

ISC 27 04:16:34.0; 2.8, 2.3, 30S; 0.4; 116.00W, h10km, n9, 0.92F6, mb3.9/6, Southern East Pacific Rise

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PLCA, LPAZ, SIV, etc.

IDC 27 04:33:20.9; 0.6, 3.2, 67S; 178.31W, mb4.1/0, mb1 4.6/12, mb1mx4.5/19, mb1mp4.5/12, ML4.2/1, MS4.4/12, Ms1 4.4/12, ms1mx4.1/28, Error ellipse: s-maj=22.9km s-min=16.4km az=157.0

HRVD 27 04:33:22.6; 0.8, 3.2, 50S; 177.85W, h29km, 2km, MWV4.9/38, Centroid moment Tensor Solution. LP body waves: s15,c17,Mantle waves: s38,c47; Half duration: 0 Moment tensor: Scale 10^16Nm; Mr:2.48t; 29; Mo:0.94t; 24; Mw:1.54t; 20; Mo:0.58t; 36; Mo:0.93t; 14; Mw:1.62t; 28; Best double couple: M2:908; 1018 NPT:223; 828; 7:04; NP2:207; 863; 1833. Principal axes: T:3.066, P:7.17, Azm:28; N:-321, P:7, Azm:30; T:-2.749, P:7.18, Azm:123; nsta1 refers to body waves

NEIC 27 04:33:22.6; 0.5, 3.2, 61S; 178.36W, h12km, 30km, Ms5.0/6 Error ellipse: s-maj=13.7km s-min=10.0km az=155.0

MOS 27 04:33:24.6; 1.7, 3.2, 43S; 178.31W, h33km, mb5.2/3, Error ellipse: s-maj=15.9km s-min=14.2km az=63.7

ISC 27 04:33:24.6; 0.1, 3.2, 76S; 0.05; 178.5W, 0.1, h33km, n73, 0.1929/39, mb4.8/11, MS4.3/11, 3C-3D, South of Kermadec Islands

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like EAST, STYT, YUS, GUN, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KKN, KAKANI, DMN, DAMAN, etc.

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

SOF 27 04:47:54.5, 40.82N-22.87E, h11km, MD2.8
NEIC 27 04:47:55.9, 40.81N-22.95E, h30km, MD3.1(ATH), After ATH.

ATH 27 04:47:56.4, 40.82N-22.93E, h10km, MD3.1/3
CSEM 27 04:47:56.4, 0.1, 40.82N-22.91E, h15km, ML2.8, Error ellipse: s-maj=1.7km s-min=1.5km az=25.0

BUI 27 06:10:14.5, 52.12N-175.77W, h34km, mb4.9, mb4.8, MS4.1, MSz4.0
MOS 27 06:10:18.8, 1.3, 51.82N-175.93W, h63km, mb4.7/17, Error ellipse: s-maj=10.7km s-min=7.6km az=59.0

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CSEM, ATH, BUI, MOS, etc.

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

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

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

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

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like COLA College, THY Trims Highway, ILAR Eielson Array, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like DUG LASA Array, FCC Fort Churchill, BWO6 Boulder Array, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like GKN Gorkha, KOLN Koldanda, AKASG Malin Array, etc.





NOA	NORSAR Array B	45.99 317	P	P	07 44 35.9 +0.5
NOA	comp-Z,19nm,0.8s,mb5.1,baz=61,slow=7.8,SNR=22		LR	LR	08 05 24.5
NOA	comp-Z,17nm,1.8s,MS4.9,baz=60,slow=38		P	P	07 44 35.9 +0.5
NOA	NORSAR Array B	45.99 317	LR	LR	08 05 24.6
PALK	Pallekele	46.13 205	P	P	07 44 35.2 -2.0
KWP	Kalwaria	46.16 299	P	P	07 44 36.7 -0.3
KWP	comp-Z,44nm,0.6s,mb5.6		pmax	pmax	
KWP	Kalwaria	46.16 299	P	P	07 44 36.7 -0.2
DAG	Danmarks Havn	46.32 344	P	P	07 44 42.0 +4.2
DAG	comp-Z,5.0nm,0.8s,mb4.5		pmax	pmax	
DAG	Danmarks Havn	46.32 344	P	P	07 44 42.0 +4.2
DAG	comp-Z,5.2nm,0.8s,mb4.5		P	P	07 44 42.0 +4.2
DAG	Danmarks Havn	46.32 344	iP	P	07 44 42.0 +4.2
TNA	Tin City	46.43 35	P	P	07 44 39.2 +0.3
KOLS	Kolonické sedl	46.78 299	eP	eP	07 44 43.3 +1.5
UZH	Uzhgorod	46.94 298	eP	MLR	07 44 43.3 -1.7
UZH	comp-Z,1.1um,13.0s,MS5.0		MLR	MLR	
GKP	Gorka Kiasztor	47.13 306	eP	P	07 44 50.8 +6.3
CRV	Cervenica-Dubn	47.25 299	eP	P	07 44 47.2 +1.7
CRV	comp-Z,1.1um,12.2s		P	P	07 44 57.2 +1.5
OJC	Ojcow	47.43 301	eP	P	07 44 48.5 +1.5
JMIC	Jan Mayen	47.57 335	AMS	AMS	08 06 22.9
NIE	Niedzica	47.59 300	eP	P	07 44 48.5 +0.3
KECS	Kecovo	48.02 299	eP	P	07 44 53.2 +1.6
KECS	comp-Z,5.2nm,0.6s,mb4.5		eP	P	07 44 58.0 +1.1
WHFO	Wadi Hawf	48.31 243	iP	P	07 44 53.5 -0.7
RBK	Rabkut	48.40 243	iP	P	07 44 56.7 +1.8
ISP	Isparta	48.43 282	eP	P	07 44 55.1 +0.2
OKC	Ostrava-Krasne	48.53 302	eP	P	07 44 57.7 +2.2
OKC	comp-Z,2.7nm,0.9s,mb5.2		eS	SS	07 52 00.2 +5.3
OKC	AMS		eSS	AMS	07 55 28.4 +8.1
OKC	AMS		AMS	AMS	08 05 50.0
PSZ	Piszkesteto	48.66 299	eP	P	07 44 56.3 -0.3
PSZ	comp-Z,1.7nm,1.4s,mb4.9		pmax	pmax	
PSZ	Piszkesteto	48.66 299	eP	P	07 44 56.3 -0.2
PSZ	comp-Z,1.7nm,1.4s,mb4.9		P	P	07 44 56.3 -0.2
BER	Bergen	48.81 319	AMS	AMS	08 07 45.0
MORC	Moravsky Berou	48.88 302	eP	P	07 44 58.0 -0.2
MORC	comp-Z,1.3nm,0.8s,mb5.0		pmax	pmax	
MORC	Moravsky Berou	48.88 302	eP	P	07 44 58.0 -0.2
MORC	comp-Z,1.3nm,0.8s,mb5.0		P	P	07 44 58.0 -0.2
VYHS	Vyhne	48.92 300	eP	P	07 45 59.1 +0.6
VYHS	comp-Z,1.3nm,0.8s,mb5.0		eP	P	07 45 04.2 -1.7
KSP	Ksiaz	48.94 304	eP	P	07 45 00.0 +1.3
KSP	comp-Z,1.3nm,0.8s,mb5.0		eS	SS	07 52 03.0 +2.2
KSP	AMS		eSS	AMS	07 55 33.0 +5.7
ABTO	Aybut	49.03 243	iP	P	07 44 59.7 0.0
ABTO	comp-Z,2.1um,14.3s,MS5.5		SNR=9.8		
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		ePP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,MS5.2		eP	P	07 45 05.3 +0.1
DPC	AMS		eS	S	07 52 04.5 0.0
DPC	MLR		MLR	MLR	
DPC	Dobruska-Polom	49.21 303	eP	P	07 45 01.9 +1.2
DPC	comp-Z,2.1um,14.9s,				



Table with columns: PPT, Station Name, Az, El, Res, Time, Res, ISC. Includes stations like Badajoz, Alboran, Mina Concepcio, Bella Bella, Fort Churchill, etc.

Table with columns: PPT, Station Name, Az, El, Res, Time, Res, ISC. Includes stations like Papeete, Tubuai, Rikitea, Vanda, etc.

IDC 27 07:50:40.2, 1.5, 3.6S; 147.05E, h156km, 17km, mb4.0/5, m1.4/1.8, mb1 tmx3.9/1.5, mbtpm4.5/8, MS4.5/1, Ms1 4.5/1, ms1mx3.0/2.4, Error ellipse: s-maj=30.0km s-min=12.3km az=122.0

NEIC 27 07:50:41.2, 2.1, 5.29S; 147.12E, h171km, 16km, mb4.8/4, Error ellipse: s-maj=21.1km s-min=15.1km az=164.0

ISC 27 07:50:39.3, 1.7, 5.35N; 147.1E, 0.1, h160km, 14km, n19, c1504/21, mb4.2/5, 1D, Eastern New Guinea region

Table with columns: Code, Station Name, Az, El, Res, Time, Res, ISC. Includes stations like Port Moresby, Charters Tower, CTAA, WARRAMUNGA ARR, etc.

MOS 27 08:04:47.8, 1.0, 51.04N; 98.08E, h15km, mb4.3/4, Error ellipse: s-maj=12.8km s-min=9.4km az=53.1

IDC 27 08:04:51.8, 4.7, 51.48N; 98.32E, mb3.7/4, mb1 3.9/5, mb1mx3.7/2.2, mbtpm3.7/5, Error ellipse: s-maj=114.5km s-min=30.4km az=164.0

NEIC 27 08:04:52.7, 0.7, 51.41N; 98.38E, h10km, mb4.0/1, Error ellipse: s-maj=22.0km s-min=8.7km az=197.0

ISC 27 08:04:52.9, 0.5, 51.22N; 102.08E, h33km, n31, c1507/34, mb3.9/7, MS4.2/1, 2C, Tuva-Buryatia-Mongolia border region

Table with columns: Code, Station Name, Az, El, Res, Time, Res, ISC. Includes stations like ORLIK, MONDY, ARSHAN, ZAKAMENSK, TALAYA, etc.

NEIC 27 08:25:1.6, 2.4, 3.98S; 142.47E, h76km, 22km, mb4.3/1, Error ellipse: s-maj=23.0km s-min=13.3km az=146.0

IDC 27 08:25:24.9, 8.2, 4.13S; 142.66E, h110km, 85km, mb3.6/5, mb1 3.9/7, mb1mx3.7/1.6, mbtpm4.1/7, ML3.6/2, Error ellipse: s-maj=73.8km s-min=25.4km az=144.0

ISC 27 08:25:19.8, 3.6, 4.05S; 142.5E, 0.1, h71km, 34km, n13, c058/14, mb3.8/5, Near north coast of New Guinea

Table with columns: Code, Station Name, Az, El, Res, Time, Res, ISC. Includes stations like PMG, KAKA, WRAB, WARRAMUNGA ARR, etc.

Table with columns: ARU, Station Name, Az, El, Res, Time, Res, ISC. Includes stations like Keskin Array B, NORARSAR Subarra, etc.

DJA 27 08:11:04.5, 0.8, 8.62S; 118.84E, h136km, 12km, MD4.7/4, ML5.0/3, Error ellipse: s-maj=79.3km s-min=20.9km az=3.0

IDC 27 08:11:09.4, 5.6, 8.80S; 118.86E, h120km, 50km, mb3.5/2, mb1 3.6/4, mb1 tmx3.4/1.7, mbtpm3.9/4, Error ellipse: s-maj=131.3km s-min=37.8km az=41.0

ISC 27 08:11:07.2, 1.8, 8.85S; 118.6E, 0.2, h147km, 23km, n13, c0959/20, mb3.9/1, 8C-3D, Sumbawa region

Table with columns: Code, Station Name, Az, El, Res, Time, Res, ISC. Includes stations like KEDI, RATI, KELI, etc.

MOS 27 08:17:23.5, 1.6, 51.30N; 98.41E, h15km, mb4.2/1, Error ellipse: s-maj=47.4km s-min=30.4km az=144.4

Tuva-Buryatia-Mongolia border region

Table with columns: Code, Station Name, Az, El, Res, Time, Res, ISC. Includes stations like ORLIK, MONDY, TALAYA, IRK, etc.

NEIC 27 08:25:1.6, 2.4, 3.98S; 142.47E, h76km, 22km, mb4.3/1, Error ellipse: s-maj=23.0km s-min=13.3km az=146.0

IDC 27 08:25:24.9, 8.2, 4.13S; 142.66E, h110km, 85km, mb3.6/5, mb1 3.9/7, mb1mx3.7/1.6, mbtpm4.1/7, ML3.6/2, Error ellipse: s-maj=73.8km s-min=25.4km az=144.0

ISC 27 08:25:19.8, 3.6, 4.05S; 142.5E, 0.1, h71km, 34km, n13, c058/14, mb3.8/5, Near north coast of New Guinea

Table with columns: Code, Station Name, Az, El, Res, Time, Res, ISC. Includes stations like PMG, KAKA, WRAB, WARRAMUNGA ARR, etc.

NEIC 27 08:28:40.3, 34.05S:71.35W, h54km, MD3.7(GUC), After GUC.

GUC 27 08:28:40.3, 0.8, 34.05S:71.35W, h54km, 4km, MD3.7, ML2.6, 8C-6D, Near coast of central Chile

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res, ISC. Lists stations like Longovilo, Talagante, Chadas Angosto, etc.

NEIC 27 08:33:10.8, 4.0, 47.56N:152.52E, h65km, 35km, mb4.5/15, Error ellipse: s-maj=14.9km s-min=9.5km az=159.0

MOS 27 08:33:15.7, 1.2, 47.62N:152.45E, h119km, mb4.5/18, Error ellipse: s-maj=14.5km s-min=7.7km az=100.0

IDC 27 08:33:19.4, 3.5, 47.58N:152.56E, h147km, 33km, mb3.8/15, mb1.3/9, mb1.1/mx3.8/22, mbtmp4.2/16, Error ellipse: s-maj=20.6km s-min=13.9km az=147.0

ISC 27 08:33:12.6, 2.3, 47.62N:152.5E, 0.1, h95km, 18km, n81, r193.0, mb4.3/39, 4C-3D, Kuril Islands

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res, ISC. Lists stations like Yuzh-Sakhalins, Asahikawa, Asaj, etc.

Main table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res, ISC. Lists stations like Colim, CLL, BRG, etc.

ms1mx3.5/17, Error ellipse: s-maj=59.5km s-min=24.0km az=94.0

ISC 27 05:32:82.1, 4, 50.3S, 0.1x113.0E, 0.6, h10km, n13, 0c45/5, mb4.1/5, MS3.7/5, Southeast Indian Ridge

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res, ISC. Lists stations like NWAO, SKA, ATK, etc.

NIED 27 09:07:00.29, 40N, 130.60E, h26km, Mw4.0 Best double couple: M1.26x1015 NP1.0x257°, 856°, λ.129°. NP2: 0x132°, 050°, λ.47°

JMA 27 09:07:07.1, 0.3, 29.38N:130.63E, h21km, 4km, M3.6, IDC 27 09:07:10.7, 1.1, 29.95N:129.60E, mb3.5/5, mb1.3/8/6, mb1mx3.8/22, mbtmp3.6/26, ML3.4/1, Error ellipse: s-maj=44.3km s-min=22.3km az=96.0

ISC 27 09:07:08.3, 0.8, 29.40N, 0.04, 130.5E, 0.1, h21km, n14, r147.1/18, mb3.6/5, Ryukyu Islands

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res, ISC. Lists stations like JNN, KJC, JZK, etc.

NIED 27 09:15:00.46, 60N, 152.90E, h41km, Mw4.9 Best double couple: M2.51x1016 NP1.0x316°, 880°, λ.131°. NP2: 0x220°, 859°, λ.169°

SKHL 27 09:15:50.9, 0.4, 46.56N:152.89E, h46km, 16km, mb5.9/4, mbh5.5/1, Ms4.6/3, msh4.9/3

MOS 27 09:15:51.6, 0.9, 46.65N:152.49E, h41km, mb5.3/62, MS4.5/17, Error ellipse: s-maj=7.2km s-min=4.2km az=96.8

BUI 27 09:15:53.1, 46.72N:152.60E, h60km, mb5.1, mb5.0, az=96.8

IDC 27 09:15:54.9, 0.4, 46.71N:152.45E, h54km, 3km, mb4.3/26, Ms1.4/2/2, ms1mx4.0/28, Error ellipse: s-maj=12.3km s-min=9.2km az=132.0

HRVD 27 09:15:54.7, 0.3, 46.70N:152.90E, h51km, 1km, MW5.0/55, Centroid moment Tensor Solution: LP body waves: s46, c72, Mantle waves: s55, c94; Half duration: 0 Moment tensor: Scale 10^16Nm; Mr:3.87±.19; Mw:1.37±.14; Mw:2.50±.13; Mo:0.58±.12; Mo:2.15±.09; Mo:1.59±.10; Best double couple: M0.359x1016 NP1.0x225°, 835°, λ.102°. NP2: 0x317°, 856°, λ.82°. Principal axes: T:4.24°, P:107°, Azm274°; N:227°, P:473°, Azm11°, Azm126°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 27 09:15:54.6, 0.1, 46.68N:152.52E, mb5.0/104 Error ellipse: s-maj=2.2km s-min=2.7km az=166.0

ISC 27 09:15:53.1, 0.2, 46.65N:152.55E, 0.03, h54km, h54km±1.0km, pp-P, n420, 0e92/427, mb4.9/155, MS4.3/42, 30C-15D, Kuril Islands

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res, ISC. Lists stations like KUR, WRA, etc.

IDC 27 08:53:33.1, 1.4, 50.27S:112.92E, mb4.1/5, mb1.4/3/5, mb1mx4.1/12, mbtmp4.1/5, MS3.7/6, Ms1.3/7/6

SKR	comp=Z,100nm,0.2s	AMB	AMB	09 17 03.1
SKR	comp=Z,140nm,0.5s	AMB	AMB	09 17 03.1
SKR	comp=Z,230nm,0.5s	iS	S	09 17 50.8 -5.7
SKR	comp=Z,3um,4.0s	A		09 18 07.5
SKR	comp=Z,390nm,0.5s	A		09 18 07.5
SKR	comp=Z,790nm,0.5s	A		09 18 07.5
SKR	comp=Z,170nm,0.5s	AMS	AMS	09 19 04.0
SKR	comp=Z,3um,14.0s	AMS	AMS	09 19 04.0
SKR	comp=Z,3um,14.0s	AMS	AMS	09 19 04.0
SKR	comp=Z,3um,14.0s	erx	rx	09 23 09.5
YUK	Yuzh-Kuril'sk	5.39 243	i/PN	09 17 13.4 +0.5
YUK	comp=E,430nm,0.5s	pmx	pmx	09 18 15.0 +0.5
YUK	comp=Z,2um,0.5s	pmx	pmx	
YUK	comp=N,570nm,0.3s	smx		
YUK	comp=N,3um,0.5s	smx		
YUK	comp=E,6um,0.5s	MLR	MLR	
YUK	comp=Z,3um,15.0s	MLR	MLR	
YUK	comp=N,3um,14.0s	i/P	P	09 17 13.4 +0.5
YUK	Yuzh-Kuril'sk	5.39 243	i/P	09 17 16.2
YUK	comp=N,2um,0.4s	AMB	AMB	09 17 16.2
YUK	comp=N,570nm,0.2s	AMB	AMB	09 17 16.2
YUK	comp=N,430nm,0.5s	AMB	AMB	09 17 16.2
YUK	comp=N,2um,0.5s	iS	S	09 18 15.0 +0.5
YUK	comp=N,3um,0.5s	A		09 18 38.0
YUK	comp=N,6um,0.5s	A		09 18 38.0
YUK	comp=N,6um,1.0s	A		09 18 44.0
YUK	comp=N,18um,1.2s	AMS	AMS	09 19 20.0
YUK	comp=N,3um,14.0s	AMS	AMS	09 19 20.0
YSS	comp=N,3um,15.0s	6.73 276	i/PN	09 17 33.9 +2.2
YSS	Yuzh-Sakhalins			09 18 55.0
YSS	comp=N,170nm,1.0s	pmx	pmx	
YSS	comp=E,430nm,1.0s	pmx	pmx	
YSS	comp=Z,320nm,1.0s	MLR	MLR	
YSS	comp=Z,3um,16.0s	MLR	MLR	
YSS	comp=N,2um,18.0s	MLR	MLR	
YSS	comp=E,2um,17.0s	6.73 276	P	09 17 32.1 +0.4
YSS	Yuzh-Sakhalins			
YSS	comp=E,267nm,0.8s	6.73 276	i/P	09 17 33.9 +2.2
YSS	Yuzh-Sakhalins			
YSS	comp=E,170nm,1.0s	AMB	AMB	09 17 39.0
YSS	comp=E,430nm,1.0s	AMB	AMB	09 17 39.0
YSS	comp=E,320nm,1.0s	eS	S	09 18 48.0 +0.2
YSS	comp=E,200nm,0.6s	A		09 18 51.5
YSS	comp=E,180nm,0.6s	eLQ	LR	09 18 55.0
YSS	comp=N,12nm,0.9s	AMS	AMS	09 20 04.0
YSS	comp=E,2um,17.0s	AMS	AMS	09 20 04.0
YSS	comp=E,2um,18.0s	AMS	AMS	09 20 04.0
YSS	comp=E,3um,16.0s	AMS	AMS	09 20 04.0
ASAJ	Asahikawa	7.45 254	PN	09 17 44.5 +2.8
ASAJ	comp=Z,15nm,0.3s	MLR	MLR	
ASAJ	comp=Z,2um,20.3s	7.45 254	P	09 17 44.5 +2.8
ASAJ	Asahikawa			
ASAJ	comp=Z,15nm,0.3s,baz=88,slo=15,SNR=74	LR	LR	09 20 26.8
UGL	Uglegorsk	7.46 293	ePN	09 17 41.8 0.0
UGL	comp=Z,330nm,0.9s	eS	S	09 19 14.0 +8.2
UGL	comp=Z,1um,1.6s	pmx	pmx	
UGL	comp=N,900nm,6.0s	smx		
UGL	comp=E,1um,6.0s	MLR	MLR	
UGL	comp=N,1um,17.0s	MLR	MLR	
UGL	comp=E,3um,17.0s	MLR	MLR	
UGL	comp=Z,3um,17.0s	7.46 293	eP	09 17 41.8 0.0
UGL	Uglegorsk			
UGL	comp=Z,330nm,0.9s	i/P	P	09 17 42.0
UGL	comp=Z,500nm,1.6s	AMB	AMB	09 17 44.0
UGL	comp=Z,1um,1.6s	AMB	AMB	09 17 44.0
UGL	comp=Z,270nm,0.6s	eS	S	09 19 06.8 +1.0
UGL	comp=Z,150nm,0.5s	A		09 19 10.0
UGL	comp=Z,3um,17.0s	AMS	AMS	09 20 35.0
UGL	comp=Z,1um,17.0s	AMS	AMS	09 20 35.0
UGL	comp=Z,1um,17.0s	AMS	AMS	09 20 35.0
PET	Petropavlovsk	7.50 29	ePN	09 17 41.9 -0.4
PET	comp=Z,72nm,0.6s	MLR	MLR	
PET	comp=Z,800nm,16.0s	MLR	MLR	
PET	comp=Z,1um,18.0s	MLR	MLR	
PET	Petropavlovsk	7.50 29	eP	09 17 41.5 -0.8
PET	comp=Z,44nm,0.6s	P	P	09 17 45.0 -1.1
PET	Tymovskoe	7.78 306	eP	09 17 49.0
PET	comp=Z,600nm,4.0s	AMB	AMB	09 17 49.0
PET	comp=Z,500nm,4.0s	AMB	AMB	09 17 49.0
PET	comp=Z,600nm,4.0s	AMB	AMB	09 17 55.0
PET	comp=Z,89nm,0.8s	AMB	AMB	09 17 55.0
PET	comp=Z,57nm,0.7s	eS	S	09 19 10.5 -3.2
PET	comp=Z,66nm,1.0s	A		09 19 39.0
PET	comp=Z,800nm,6.0s	AMS	AMS	09 20 46.0
PET	comp=Z,2um,17.0s	AMS	AMS	09 20 46.0

OKH	comp=Z,4um,17.0s	9.26 322	eP	P	09 18 05.2 -1.4
OKH	Okha				09 18 06.8
OKH	comp=Z,2um,2.0s	AMB	AMB		09 18 07.8
OKH	comp=Z,400nm,1.0s	eS	S		09 19 47.0 -3.4
OKH	OKH	eLQ	AMS	AMS	09 20 38.2
OKH	comp=Z,2um,13.0s	AMS	AMS		09 22 19.8
OKH	comp=Z,2um,15.0s	AMS	AMS		09 22 19.8
OKH	comp=Z,2um,16.0s	AMS	AMS		09 22 19.8
KLR	Kul'dur	14.18 288	eP	P	09 19 14.0 +1.8
KLR	comp=Z,2um,14.0s	14.68 57	P	P	09 19 18.8 0.0
FX1	Attu Island-F	comp=Z,27nm,0.3s,baz=302,slo=5.0,SNR=64	P	LR	09 24 23.7
FX1	Matsushiro	14.71 232	eP	P	09 19 16.6 -2.8
MAJO	MAJO	comp=Z,48nm,0.6s	pmx	pmx	
MAJO	Matsushiro	14.71 232	eP	P	09 19 16.6 -2.8
MAT	MAT	14.71 232	eS	S	09 19 16.7 -2.7
MAT	Matsushiro		P	P	09 22 06.4 +4.8
MJAR	MJAR	comp=Z,1.4nm,0.3s,baz=29,slo=14,SNR=19	P	LR	09 19 16.8 -2.6
MJAR	MJAR	comp=Z,539nm,21.4s,baz=55,slo=38	LR	LR	09 25 13.5
MJAR	Mudanjiang	16.18 271	P	P	09 19 36.3 -1.8
MDJ	MDJ	AP	P	P	09 19 50.0
MDJ	MDJ	XP	P	P	09 19 57.0
MDJ	MDJ	S	S	S	09 22 33.5 -1.9
MDJ	MDJ	PCP	PcP	P	09 24 31.5 -0.1
MDJ	MDJ	SCP	P	P	09 28 00.0
MDJ	MDJ	PCS	P	P	09 28 05.5
MDJ	MDJ	SCS	ScS	S	09 31 38.3 +0.5
MDJ	MDJ	AMB	AMB		
MDJ	comp=Z,29nm,1.4s	AMB	AMB		
MDJ	comp=Z,129nm,5.8s	LR	LR		
MDJ	comp=N,493nm,19.6s	LR	LR		
MDJ	comp=E,586nm,27.7s	LR	LR		
MDJ	MDJ	LR	LR		
MDJ	comp=Z,956nm,21.8s	LR	LR		
MDJ	Mudanjiang	16.18 271	eP	P	09 19 38.7 +0.6
MDJ	comp=Z,45nm,0.9s	16.32 360	eS	S	09 19 44.7 +5.0
SEY	SEY	Seymchan	eS	S	09 22 46.2 +7.8
SEY	SEY	pmx	pmx		
JHJ	Hachijo jima 2	16.66 220	LR	LR	09 26 01.2
JHJ	Hachijo jima 2	comp=Z,177nm,18.6s,baz=120,slo=38	P	P	09 29 05.5
ZEA	ZEA	17.62 303	eP	P	09 19 57.2 +1.1
ZEA	ZEA	comp=Z,46nm,0.8s	AMB	AMB	09 19 58.0
ZEA	ZEA	comp=Z,44nm,0.9s	AMB	AMB	09 19 58.0
ZEA	ZEA	comp=Z,20nm,0.7s	AMB	AMB	09 20 15.0
ZEA	ZEA	comp=Z,700nm,7.0s	AMB	AMB	09 20 15.0
ZEA	ZEA	comp=Z,700nm,5.0s	AMB	AMB	09 20 15.0
ZEA	ZEA	A			09 23 18.0
CN2	CN2	19.27 271	eP	P	09 20 15.0 -0.8
CN2	CN2	Changchun	eXP	P	09 20 32.3
CN2	CN2	eS	S	S	09 23 43.5 -1.6
CN2	CN2	AMB	AMB		
CN2	comp=Z,20nm,0.6s	LR	LR		
CN2	comp=N,700nm,17.0s	LR	LR		
CN2	comp=E,1um,17.0s	LR	LR		
CN2	comp=Z,1um,18.0s	LR	LR		
CLNS	Chul'man	19.79 311	eP	P	09 20 23.6 +2.3
CLNS	CLNS	comp=Z,27nm,0.7s	pmx	pmx	
CLNS	CLNS	comp=N,12nm,0.9s	pmx	pmx	
CLNS	CLNS	comp=E,9.0nm,1.0s	pmx	pmx	
CLNS	CLNS	comp=N,17nm,0.8s	pmx	pmx	
CLNS	CLNS	comp=Z,22nm,0.8s	pmx	pmx	
CLNS	CLNS	comp=E,31nm,1.0s	MLR	MLR	
CLNS	CLNS	comp=N,600nm,16.0s	MLR	MLR	
CLNS	CLNS	comp=Z,2um,16.0s	MLR	MLR	
CLNS	CLNS	comp=Z,300nm,15.0s	MLR	MLR	
YAK	Yakutsk	20.20 328	eP	P	09 20 25.9 +0.3
YAK	YAK	eS	S	S	09 20 44.0
YAK	YAK	eSS	SS	SS	09 24 10.1 +5.8
YAK	YAK	pmx	pmx		09 24 28.0 -7.5
YAK	comp=Z,81nm,0.9s	pmx	pmx		
YAK	comp=N,14nm,1.0s	pmx	pmx		
YAK	comp=E,20nm,0.8s	pmx	pmx		
YAK	comp=N,20nm,1.0s	pmx	pmx		
YAK	comp=E,31nm,1.0s	pmx	pmx		
YAK	YAK	comp=Z,50nm,1.0s	smx		
YAK	comp=E,10.0nm,1.0s	smx			
YAK	comp=Z,6.0nm,0.9s	MLR	MLR		
YAK	comp=Z,520nm,21.0s,MS3.9	MLR	MLR		
YAK	comp=N,274nm,16.0s,MS3.9	MLR	MLR		
YAK	YAK	comp=E,338nm,19.0s,MS3.9	MLR	MLR	
YAK	Yakutsk	20.20 328	eP	P	09 20 24.7 -0.9
YAK	comp=E,172nm,0.7s	12.25 267	i/P	P	09 20 36.5 0.0
SNY	Shenyang		S	S	09 24 30.3 +5.8
SNY	SNY	comp=N,570nm,18.9s,MS4.2	LR	LR	
SNY	SNY	comp=E,740nm,18.3s,MS4.2	LR	LR	
SNY	SNY	comp=Z,980nm,19.5s,MS4.2	LR	LR	
HIA	Hailar	22.03 289	eP	P	09 20 42.4 -1.8
HIA	HIA	comp=Z,48nm,1.3s	pmx	pmx	
HIA	Hailar	22.03 289	eP	P	09 20 42.4 -1.8
BILL	Bilibino	22.57 13	eP	P	09 20 49.4 +0.1
BILL	Bilibino	22.57 13	eP	P	09 20 49.4 +0.1
DL2	Dalian	23.87 262	eP	P	09 21 02.0 -0.1
DL2	DL2	XP	S	S	09 25 20.3 +8.9
DL2	DL2	AMB	AMB		
DL2	comp=Z,20nm,1.0s,mb4.5	AMB	AMB		
DL2	comp=Z,200nm,3.7s	LR	LR		
DL2	comp=N,180nm,20.4s,MS3.6	LR	LR		
DL2	comp=E,150nm,20.8s,MS3.6	LR	LR		
DL2	comp=Z,280nm,15.7s	LR	LR		
BOD	Bodaibo	25.75 310	eP	P	09 21 18.0 -2.0
BOD	BOD	e	pP	pmx	09 21 33.1 -0.2
BOD	BOD	pmx	pmx		
BJI	Beijing	27.09 269	P	P	09 21 33.5 +1.0
BJI	BJI	comp=Z,39nm,0.9s,mb4.9	P	AMB	
BJI	BJI	comp=N,780nm,16.8s,MS4.4	LR	LR	

BJI	comp=E,394nm,15.1s,MS4.4	LR	LR		
BJI	comp=Z,1um,19.4s,MS4.4	LR	LR		
BJT	Baijiatau	27.10 269	eP	P	09 21 32.0 -0.7
BJT	BJT	pmx	pmx		
BJT	comp=Z,31nm,0.8s	27.10 269	eP	P	09 21 32.0 -0.7
BJT	Baijiatau	comp=Z,31nm,0.8s,mb4.9	eP	P	09 21 33.9 -1.6
TIXI	Tiksi	27.45 344	i/P	P	09 21 33.9 -1.6
TIXI	TIXI	MLR	MLR		
JOW	comp=Z,600nm,19.0s,MS4.2	27.56 233	P	P	09 21 37.2 +0.3
JOW	Kunigami	27.56 233	P	P	09 33 29.4
JOW	comp=Z,7.8nm,0.6s,mb4.5,baz=89,slo=11,SNR=3.8	LR	LR		
JOW	JOW	comp=Z,6.6nm,18.7s,MS3.6,baz=116,slo=38	LR	LR	
TNA	Tin City	28.33 34	eP	P	09 21 42.5 -0.9
TNA	TNA	comp=Z,4.2nm,0.9s,mb4.1	P	P	09 21 45.5 -1.7
SSE	Sheshan	28.70 248	P	P	09 26 29.8 -1.2
SSE	SSE	AP	pP	P	09 26 00.3 -0.4
SSE	SSE	XP	sP	P	09 22 06.8 -0.4
SSE	SSE	PCP	PcP	S	09 24 55.5 -1.3
SSE	SSE	S	S	S	09 26 29.8 -1.2
SSE	SSE	XS	AMB	AMB	09 26 55.8
SSE	comp=Z,10.0nm,1.0s,mb4.5	AMB	AMB		
SSE	comp=Z,100nm,4.7s	AMB	AMB		
SSE	comp=N,167nm,27.8s,MS3.7	LR	LR		
SSE	comp=E,207nm,27.8s,MS3.7	LR	LR		
SSE	comp=Z,309nm,28.8s,MS3.8	LR	LR		
SSE	Nanjing	29.60 253	eP	P	09 21 54.5 -0.6
NJ2	NJ2	PP	PP	P	09 22 55.5 +2.7
NJ2	NJ2	S	S	S	09 26 41.0 -4.2
NJ2	NJ2	AMB	AMB		
NJ2	comp=Z,10.0nm,1.0s,mb4.5	AMB	AMB		
NJ2	comp=Z,424nm				



Table with columns: GRF, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like Grafenberg Arr, Wetzell, GERESS Array S, etc.

Table with columns: SSS, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like Saint Saulge, Saint Gilles, Signal de Mont, etc.

Table with columns: RDX, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like Cerro Prieto, Esteban Canton, Wadi Hawf, etc.







27d 13h

Table of station data for 27d 13h, including columns for station name, frequency, power, and other technical details.

2005 APR

Main table of station data for 2005 APR, listing various stations like STKA, EDM, SCHO, and their respective frequencies and power levels.

990

Table of station data for 990, including stations like SCIG, IISM, IISM, and their technical specifications.

SARO	Sassorosso	1.96	300	P	Pn	13 08 41.2	-1.3
SARO	Novolja	2.03	48	i Pn	Sn	13 09 04.3	-3.0
NVLJ	Vinca	2.10	297	i Pn	Sn	13 09 09.5	+0.5
VINC	Vinca	2.10	297	P	Sn	13 08 43.4	-1.1
VINC	Vinca	2.10	297	P	Pn	13 09 06.3	-4.5
VINC	Vinca	2.10	297	P	Pn	13 08 43.4	-1.1
VINC	Vinca	2.10	297	P	Pn	13 08 43.4	-1.1
VINC	Vinca	2.10	297	P	Pn	13 09 06.3	-4.5
VALM		2.13	302	P	Sn	13 08 44.5	-0.5
VALM		2.13	302	P	Sn	13 08 44.5	-0.5
BACM		2.21	299	P	Pn	13 09 08.6	-5.1
BACM		2.21	299	P	Pn	13 08 45.1	-1.0
BACM		2.21	299	P	Pn	13 09 08.6	-5.1
CIGN	Sant'Elia a Pi	2.24	334	Pn	Pn	13 08 49.9	+3.4
GRAM		2.32	304	P	Pn	13 09 17.2	-0.1
GRAM		2.32	304	P	Pn	13 09 11.2	-5.3
GRAM		2.32	304	P	Pn	13 08 47.5	-0.1
GRAM		2.32	304	P	Pn	13 09 11.2	-5.3
CODM		2.40	300	P	Pn	13 08 48.2	-0.7
CODM		2.40	300	P	Pn	13 09 12.7	-5.9
CODM		2.40	300	P	Pn	13 08 48.2	-0.7
CODM		2.40	300	P	Pn	13 09 12.7	-5.9
TRI	Trieste	2.58	16	Pn	Pn	13 08 50.8	-0.6
MS1	Monte Sant'Ang	2.81	122	ePn	Pn	13 08 57.5	+2.9
FGM3	Monte Sant'Ang	2.81	122	ePn	Pn	13 08 56.1	+1.4
JAVS	Javornik	2.82	19	ePn	Pn	13 08 54.4	-0.5
BOB	Bobbio (Coli)	2.84	304	Pn	Pn	13 08 56.5	+1.4
PGF	Pioggiola	2.84	257	ePn	Pn	13 08 54.7	-0.5
PGF	Pioggiola	2.84	257	ePn	Pn	13 09 05.1	-0.5
PGF	Pioggiola	2.84	257	ePn	Pn	13 09 29.0	-0.8
BOJS	Bojanci	2.89	37	ePn	Pn	13 08 57.9	+2.1
BOJS	Bojanci	2.89	37	i Pg	Pg	13 09 06.0	-0.6
BOJS	Bojanci	2.89	37	i Pg	Pg	13 09 32.4	+1.4
BOJS	Bojanci	2.89	37	i Pg	Pg	13 09 05.9	-0.7
BOJS	Bojanci	2.89	37	i Pg	Pg	13 09 32.4	+1.4
VOY	Vojsko	2.92	16	ePn	Pn	13 08 55.6	-0.7
VOY	Vojsko	2.92	16	ePn	Pn	13 09 33.0	+1.4
ROBS	Robic	3.06	10	i Pn	Pn	13 08 57.6	-0.6
LJU	Ljubljana	3.08	24	i Pn	Pn	13 09 00.2	+1.6
LJU	Ljubljana	3.08	24	i Pn	Pn	13 09 08.7	
LJU	Ljubljana	3.08	24	i Pn	Pn	13 09 38.1	+2.2
PTCC	Patocco-Chiusa	3.20	7	eSn	Sn	13 08 59.3	-0.9
GORS	Gorjuse	3.21	16	ePn	Pn	13 09 00.0	-0.3
CDT	Castel del Mon	3.38	128	ePn	Pn	13 09 05.4	+2.6
OBKA	Obir	3.52	21	i Pn	Pn	13 09 04.9	+0.2
OBKA	Obir	3.52	21	i Pn	Pn	13 09 07.6	+0.8
OBKA	Obir	3.52	21	i Pn	Pn	13 09 06.3	+0.4
STON	Ston	3.64	94	i Pn	Pn	13 09 06.7	+0.2
STON	Ston	3.64	94	i Pn	Pn	13 09 08.6	-1.4
STON	Ston	3.64	94	i Pn	Pn	13 09 06.6	+0.1
STON	Ston	3.64	94	i Pn	Pn	13 09 08.6	-1.4
SG1	Sgolgore (BA)	3.77	128	ePn	Pn	13 09 08.3	-0.1
FUORN	Ofenpass	3.82	333	Pn	Pn	13 09 10.8	+1.7
KBA	Koelnbreinsper	3.87	61	i Pn	Pn	13 09 10.1	+0.4
KBA	Koelnbreinsper	3.87	61	i Pn	Pn	13 09 57.5	+1.7
SBF	Sospel	3.92	281	eSn	Sn	13 09 04.8	+0.4
SBF	Sospel	3.92	281	eSn	Sn	13 09 57.7	+0.7
WTTA	Wattenberg	4.11	349	i Pn	Pn	13 09 13.7	+0.6
WTTA	Wattenberg	4.11	349	i Pn	Pn	13 10 02.5	+0.6
TREB	Trebinje	4.14	95	Pn	Pn	13 09 14.4	+0.9
TREB	Trebinje	4.14	95	Pn	Pn	13 10 01.3	-1.2
SQTA	Sankt Quirin	4.14	345	i Pn	Pn	13 09 14.0	+0.5
SQTA	Sankt Quirin	4.14	345	i Pn	Pn	13 09 03.2	+0.7
WATA	Walderalm	4.19	349	i Pn	Pn	13 09 14.5	+0.2
WATA	Walderalm	4.19	349	i Pn	Pn	13 10 05.0	+1.1
PEI	Pezze di Greco	4.24	123	eSn	Sn	13 09 16.6	-1.5
BRY	Bratogost	4.25	92	ePn	Pn	13 09 15.8	+0.7
BRY	Bratogost	4.25	92	ePn	Pn	13 09 05.1	-0.4
HCY	Herceg Novi	4.29	99	ePn	Pn	13 09 16.2	+0.5
HCY	Herceg Novi	4.29	99	ePn	Pn	13 10 05.3	-1.2
HCY	Herceg Novi	4.29	99	ePn	Pn	13 10 05.3	-1.2
FRF	La Foret Royal	4.46	276	ePn	Pn	13 09 18.6	+0.4
ARSA	Arzberg	4.47	25	i Pn	Pn	13 09 17.7	-0.5
ARSA	Arzberg	4.47	25	i Pn	Pn	13 10 08.8	-2.2
UPM	Unac-Piva	4.50	88	ePn	Pn	13 09 19.1	+0.5
UPM	Unac-Piva	4.50	88	ePn	Pn	13 10 14.0	+0.7
DAVA	Damuels	4.54	334	i Pn	Pn	13 09 20.3	+1.1
DAVA	Damuels	4.54	334	i Pn	Pn	13 10 15.0	+2.4
LMR	La Mourre	4.56	273	ePn	Pn	13 09 18.9	-0.7
MBDF	Montbardon	4.57	291	ePn	Pn	13 09 20.3	+0.6
MBDF	Montbardon	4.57	291	ePn	Pn	13 10 11.4	-2.1
NKY	Niksic	4.59	93	i Pn	Pn	13 09 20.2	+0.1
NKY	Niksic	4.59	93	i Pn	Pn	13 10 12.9	-1.3
BUM	Brajci-Budva	4.62	100	ePn	Pn	13 09 20.7	+0.4
BUM	Brajci-Budva	4.62	100	ePn	Pn	13 10 13.3	-1.4
MOA	Mollin	4.74	121	i Pn	Pn	13 09 16.5	-0.5
MOA	Mollin	4.74	121	i Pn	Pn	13 10 17.5	-0.3
PLE	Piljevija	4.85	87	ePn	Pn	13 09 24.0	+0.4
PLE	Piljevija	4.85	87	ePn	Pn	13 10 19.3	-1.2
TTG	Podgorica	4.85	97	ePn	Pn	13 09 24.0	+0.4
TTG	Podgorica	4.85	97	ePn	Pn	13 10 18.9	-1.7
LPG	La Plagne	4.87	300	eSn	Sn	13 09 24.4	+0.5
LPG	La Plagne	4.87	300	eSn	Sn	13 10 17.7	-3.3
BBSL	Bajina Basta	4.88	80	i Pn	Pn	13 09 24.9	+0.9
BBSL	Bajina Basta	4.88	80	i Pn	Pn	13 10 19.7	-1.5
LPI	La Plagne	4.99	300	ePn	Pn	13 09 24.7	+0.6
ULC	Ulcinj	4.96	103	ePn	Pn	13 09 24.6	-0.6
ULC	Ulcinj	4.96	103	ePn	Pn	13 10 21.4	-1.8
PKSM	Moragy	5.14	53	ePn	Pn	13 09 26.9	-0.9
ORIF	Oris-en-Rattie	5.23	291	ePn	Pn	13 09 30.1	+1.0
ORIF	Oris-en-Rattie	5.23	291	ePn	Pn	13 10 25.9	-4.3
IVA	Berane	5.25	91	ePn	Pn	13 09 29.5	+0.3
IVA	Berane	5.25	91	ePn	Pn	13 10 28.8	-1.7
SMRF	Simiane la Rot	5.27	281	ePn	Pn	13 09 29.0	-0.5
PVY	Plav	5.34	94	ePn	Pn	13 09 30.6	+0.1
PVY	Plav	5.34	94	ePn	Pn	13 10 31.2	-1.6
GE2	GERESS Array S	5.65	6	ePn	Pn	13 09 34.0	-1.0
GE2	GERESS Array S	5.65	6	ePn	Pn	13 10 37.0	-3.8
CABF	La Chapelle	5.82	308	ePn	Pn	13 09 36.7	-0.6
ZSP	Bratislava	5.82	30	eSn	Sn	13 10 40.5	-4.5
KHC	Kasperske Hory	5.93	5	ePn	Pn	13 09 35.9	-2.0
KHC	Kasperske Hory	5.93	5	ePn	Pn	13 09 44.5	-1.0
KHC	Kasperske Hory	5.93	5	ePn	Pn	13 10 19.0	
KHC	Kasperske Hory	5.93	5	ePn	Pn	13 10 42.0	-5.7
BFO	Black Forest	5.96	330	ePn	Pn	13 09 41.6	+2.2
BFO	Black Forest	5.96	330	ePn	Pn	13 10 44.1	-4.5
HINF	Hinteralfeld	6.18	320	ePn	Pn	13 09 41.3	-1.1
HINF	Hinteralfeld	6.18	320	ePn	Pn	13 10 49.9	-4.1
CDF	Champ du Feu	6.44	325	ePn	Pn	13 09 45.1	-1.0
CDF	Champ du Feu	6.44	325	ePn	Pn	13 10 55.8	-4.7
LASF	Ste Croix	6.51	281	ePn	Pn	13 09 45.8	-1.3
HAU	Haudompre	6.56	319	ePn	Pn	13 09 46.5	-1.2
HAU	Haudompre	6.56	319	ePn	Pn	13 10 57.5	-5.8
VYHS	Vyhne	6.76	37	eSn	Sn	13 11 04.8	-3.6
NKC	Novy Most	7.01	358	eSn	Sn	13 11 09.0	-5.6
SMF	Signal de Kotel	7.19	301	ePn	Pn	13 09 56.2	-0.4
MOX	Moxa	7.46	354	Pn	Pn	13 09 59.2	-1.2
MOX	Moxa	7.46	354	Pn	Pn	13 11 18.6	-7.3
MOX	Moxa	7.46	354	Pn	Pn	13 09 59.2	-1.2
MOX	Moxa	7.46	354	Pn	Pn	13 11 18.0	-7.9
MOX	Moxa	7.46	354	Pn	Pn	13 11 18.0	-7.9
LOR	Lormes	7.46	306	ePn	Pn	13 10 29.9	-7.9
LOR	Lormes	7.46	306	ePn	Pn	13 11 20.0	-6.0
DPC	Dobruska-Polom	7.53	18	eSn	Sn	13 11 19.1	-8.6
MTFL	Montlieu	7.69	274	ePn	Pn	13 10 04.3	+0.7
CLL	Collin	8.08	1	eSn	Sn	13 11 42.0	+0.5
CLL	Collin	8.08	1	eSn	Sn	13 12 42.0	+4.1

mb1mx4.1/23,mbtmp4.0/16,ML3.9/2,MS3.6/6,Ms1 3.6/6,ms1mx3.4/25,Error ellipse: s-maj=21.0km s-min=13.9km az=51.0  
 BUJ 27 13:11:26.7,41.76N:80.46E,h25km,mb4.8,mb4.4,ML4.5,Ms4.0,Ms3.6  
 MOS 27 13:11:27.6,0.9,41.80N:80.58E,h33km,mb4.9/21,Error ellipse: s-maj=8.4km s-min=5.5km az=118.3  
 NNC 27 13:11:28.4,1.2,42.02N:80.40E,h9km,3km,mpv4.8,Error ellipse: s-maj=12.9km s-min=3.8km az=137.0  
 NEIC 27 13:11:28.7,7.41.79N:80.52E,h26km,19km,mb4.7/20,Error ellipse: s-maj=10.5km s-min=6.7km az=206.0  
 ISC 27 13:11:28.0,0.5,41.89N:0.03,80.47E,0.04,h43km,5km,n144,-1820/155,mb4.4/42,MS3.6/11,9C-BD,Southern

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
AAA	Alma-Ata	3.05	302	ePn	P	13 12 18.0 +2.6
ULHL	Ulahol	3.20	281	P	P	13 12 55.0
TKM2	Tokmak 2	3.22	290	P	P	13 12 19.6 +1.4
KZA	Kyzart	3.92	277	P	P	13 12 27.6 +1.3
KSH	Kashi	4.05	239	PG	S	13 12 37.3 +7.7
KSH	Kashi	4.05	239	PG	S	13 12 33.0 +1.7
KSH	comp=N,250nm,0.9s			Smax		
KBK	Karagaybulak	4.22	285	P	P	13 12 33.3 +1.4
CHMS	Chumysh	4.44	289	P	P	13 12 36.0 +1.0
UCH	Uchter	4.47	279	P	P	13 12 35.1 -0.5
FRU	Bishkek	4.49	287	ePn	P	13 12 37.0 +1.2
FRU	FRU			eS	S	13 12 58.1
FRU	FRU			eS	S	13 13 43.0 +1.6
FRU	comp=Z,430nm,1.5s			pmx	pmx	
FRU	comp=Z,800nm,2.0s			pmx	pmx	
FRU	comp=E,2um,2.3s			smx		
FRU	comp=E,1um,1.6s			smx		
AAK	Ala-Archa	4.54	284	P	P	13 12 38.1 +1.6
AAK	Ala-Archa	4.54	284	i Pn	P	13 12 35.8 -0.7
AAK	comp=E,137nm,0.9s			i Pn		
AAK	comp=E,720nm,1.6s			i Pn		
AAK	Ala-Archa	4.54	284	d i Pn	P	13 12 36.3 -0.2
AAK	comp=Z,15nm,1.0s			pmx		
AAK	Ala-Archa	4.54	284	ePn	P	13 12 36.0 -0.5
USP	Ospenovka	4.69	292	P	P	13 12 37.7 -0.9
EKS2	Erkin-Say	5.07	283	P	P	13 12 59.6 +1.6
AML	Almayush	5.08	277	P	P	13 12 59.1 +1.5
MK31	Makanchi Array	5.27	14	i Pn	P	13 12 45.7 -1.0
MK31	comp=Z,162nm,0.8s			i Pn		
MK31	comp=Z,86nm,0.7s			i Pn		
MK31	comp=Z,292nm,0.7s					











FTZ Fitzroy Crossi 52.42 267 P P 16 16 56.9 -0.2
MAW Mawson 75.46 200 P P 16 19 25.3 -0.4

IDC 27 16:15:52.4-0.9, 0.27N-97.88E, mb4.2/8, mb1 4/4,9,
mb1mx4.0/20, mbtmp4.2/9, ML4.1/1, MS3.2/1, Mst1 3/4,1,
ms1mx2.9/16, Error ellipse: s-maj=53.9km s-min=15.6km
az=49.0

NEIC 27 16:15:56.5-0.5, 0.24N-97.82E, h30km, mb4.2/2, Error
ellipse: s-maj=17.4km s-min=8.3km az=61.0
ISC 27 16:15:55.2-0.9, 0.29N-10.97.9E-0.1, h33km, n17,
c077/16, mb5.2/9, 1C-1D, Northern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KULM, CMAR, ENH, FITZ, WRA, WRB, ASAR, ASPA, DZM, FITZ, FITZ, STKA, STKA, ZAL, BVAR, CHKZ, GNI, BRTR, CPUP.

PGC 27 16:23:15.7, 49.63N-130.27W, h10km, M3Sn2.9/1, Mw3.5,
West of Vancouver Island, British Columbia,
Vancouver Island region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BPBC, HOLB, PHC, MAYB, WOSS, NCRB, BBB, TXB, TXB.

ISC 27 16:34:26.5-2.1, 41.67N-0.09-41.02E-0.10, h17km, 18km,
n6, c0940/10, Turkey-Greece-Armenia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BCA, GUMT, EZM, ERZM, KELT, ONI, ONI.

IDC 27 17:19:24.3-12.0, 21.91N-143.13E, h209km, 123km,
mb3.2/6, mb1 3.4/6, mb1mx3.2/20, mbtmp3.7/6, Error
ellipse: s-maj=41.2km s-min=20.5km az=90.0, Mariana
Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA, ASAR, ZAL, ILAR, YKA, FINES, LPAZ.

IDC 27 17:24:39.1-1.2, 6.71N-72.89W, h168km, 14km, mb2.9/2,
mb1 3.3/4, mb1mx3.1/22, mbtmp3.5/4, Error ellipse:
s-maj=39.4km s-min=14.3km az=127.0, Northern
Columbia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ROSC, SDV, PDAR, YKA, ASAR, WRA.

NEIC 27 17:58:23.6-1.8, 5.70S-147.45E, h81km, 14km, mb4.7/6,
Error ellipse: s-maj=16.0km s-min=9.7km az=176.0
IDC 27 17:58:26.8-2.4, 5.94S-147.48E, h101km, 19km, mb4.1/6,
mb1 4.1/9, mb1mx4.0/16, mbtmp4.4/9, MS3.4/1, Mst1 3/4,1,

ms1mx2.5/25, Error ellipse: s-maj=26.7km s-min=13.0km
az=129.0
ISC 27 17:58:19.8-1.8, 5.66S-10.09-147.48E-0.10, h59km, 14km,
n24, c097/25, mb4.5/9, MS3.2/1, 1D, Eastern New Guinea
region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PMG, HNR, CTA, CKA, WRAB, WRB, WRA, ASAR, ASPA, DZM, FITZ, FITZ, STKA, STKA, MBWA, NWAO, NWAO, VDA, GSPA, ILAR, PLCA, PLCA, PLCA.

NIED 27 18:17:00.38, 80N, 141.60E, h65km, Mw4.8, Best double
couple: M1.75x10^16 NP1, phi=47, delta=88, lambda=48. NP2, phi=96,
delta=27, lambda=177.

IDC 27 18:17:09.0-3.5, 38.66N-142.13E, h53km, 35km, mb3.2/2,
mb1 3.6/5, mb1mx3.2/23, mbtmp3.7/5, ML3.5/3, Error
ellipse: s-maj=84.6km s-min=20.3km az=104.0,
M3.6

JMA 27 18:17:11.2, 38.84N-141.60E, h73km, 1km, M3.6,
Broadband fault plane solution: P waves, NP1, phi=301,
delta=0, lambda=66. NP2, phi=152, delta=54, lambda=109. Principal axes: T
P1g73, Azm114; N P1g15, Azm320; P P1g7, Azm228;

JMA Flg JJ
ISC 27 18:17:09.5-0.7, 38.82N-0.04-141.72E-0.09, h79km, 5km,
n18, c080/31, mb3.6/2, 5C-5D, Near east coast of
Northern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like OFUJ, OFUJ, JMK, JMK, JIO, JIO, JOM, JOM, JOU, JOU, JYK, JYK, JMM, JMM, JYS, JYS, JYA, JYA, JFK, JFK, JHI, JHI, MAT, MAT, MJAR, MJAR, ASAJ, ASAJ, JHU, JHU, WRA, WRA, ASAR, ASAR.

IDC 27 18:22:40.5-12.0, 4.66N-94.16E, mb3.4/2, mb1 3.7/3,
mb1mx3.5/19, mbtmp3.4/3, ML3.5/1, Error ellipse:
s-maj=308.9km s-min=49.9km az=83.0, Off west coast
of northern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAR, WRA, ASAR, ASAR, VDA, VDA, WRA, WRA, ASAR, ASAR.

IDC 27 18:24:19.9-1.4, 50.33S-112.74E, mb3.9/5, mb1 4.1/5,
mb1mx4.0/12, mbtmp3.9/5, MS3.6/7, Mst1 3.6/7,
ms1mx3.0/20, Error ellipse: s-maj=58.9km s-min=25.3km
az=93.0

ISC 27 18:24:19.5-1.4, 50.33S-0.1x112.8E-0.6, h10km, n11,
c120/5, mb4.0/5, MS3.5/6, Southeast Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NWAO, MAW, ASAR, ASAR, VDA, VDA, WRA, WRA, FITZ, FITZ, PMG, PMG, CMAR, CMAR, CMAR.

comp=Z.26nm, 19.1s, MS3.5, baz=350, slow=33
TXAR Lajitas Array 145.49 114 PKPbc PKPbc 18 43 59.5 +1.4
0.1nm, 0.3s, baz=194, slow=5.2, SNR=8.5

PDAR Pinedale Array 150.22 88 PKPbc PKPdf 18 44 12.1 +4.3
1.4nm, 0.3s, baz=270, slow=1.5, SNR=5.4

YKA Yellowknife Arr 151.79 96 PKPbc PKPdf 18 44 14.4 +5.0
0.5nm, 0.6s, baz=286, slow=1.9, SNR=6.8

NEIC 27 18:27:29.2, 55.39N-156.23W, h10km, mb4.3/7,
ML4.3(AEIC), After AEIC

IDC 27 18:27:29.9-1.0, 55.52N-156.58W, h27km, 4km, mb3.7/10,
mb1 4.0/14, mb1mx3.9/23, mbtmp4.0/14, ML4.3/4, MS3.3/6,
Mst1 3.3/6, ms1mx2.9/25, Error ellipse: s-maj=20.8km
s-min=15.7km az=14.0

ISC 27 18:27:28.6-1.5, 55.47N-0.06-156.23W-0.06,
h21km, 12km, h28km, 1.1km, pp-P, n100, c122/96, mb4.1/16,
MS3.1/3, South of Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CAHL, MGLS, CNCT, KDKA, PAV, DOLG, HVG, PN6, KAHK, BLHA, AUE, DRIA, SYI, MCNL, AUI, FALS, AUE, CNPM, ILW, INE, DMN, BRK, RDN, NCT, DFR, SVW, SVW, SLKM, SPU, UNV, MPA, MPA, STLK, FIB, PWA, HIN, PMR, GHO, TTO1, EYAK, SML, SML, TMA, KTH, TRF, GIB, MCK, BLM, BLM, THY, THY, ILAR, ILAR.

ILAR 0.5nm, 0.3s, baz=227, slow=37, SNR=4.4

IL1 Beaver Creek A 10.59 38 P P 18 30 01.8 -0.4

IM3 Indian Mountain 10.62 6 P P 18 30 01.6 -1.0

IMA Indian Mountain 10.76 6 P P 18 30 03.4 -0.3

TMA TMA City 11.62 355 P P 18 30 15.2 -0.9

SIT Sitka 11.72 3 P P 18 30 15.7 -1.5

DAW Dawson 12.05 38 P P 18 30 21.3 -0.7

COLD Coldfoot 12.13 11 P P 18 30 21.0 -2.2

BM3 Burnt Mountain 13.18 20 P P 18 30 33.5 -3.5

DLBC Dease Lake 14.56 67 Pn 18 30 57.9 +2.8

0.5nm, 0.3s, baz=250, slow=12, SNR=8.4

DLBC 0.1nm, 0.3s, baz=21, slow=26, SNR=7.1

INK 0.5nm, 0.3s, baz=221, slow=14, SNR=29

INK 0.1nm, 0.3s, baz=21, slow=26, SNR=7.1

INK 0.27, 157nm, 18.1s, baz=316, slow=40

Inuvik 16.58 30 P P 18 31 20.7 -0.4

7.0nm, 0.6s

BBB Bella Bella 16.87 90 LR 18 37 41.1

comp=Z.121nm, 20.2s, baz=333, slow=36

FX1 17.83 274 P P 18 31 37.8 -1.5

2.7nm, 0.3s, baz=74, slow=12, SNR=9.0

FX1 Attu Island-F 18.03 274 P P 18 31 38.2 -1.2

BILL Bilibino 21.31 321 P P 18 32 14.7 -1.3

9.6nm, 0.8s, mb4.1

YKW5 Yellowknife Arr 22.22 54 eP 18 32 25.8 +0.8

0.9nm, 0.6s, mb3.4, baz=271, slow=11, SNR=9.2

YKA 0.7nm, 0.6s, MS3.0, baz=275, slow=38

YKA Yellowknife Arr 22.22 55 LR LR 18 32 27.1 +6

HLID Hailey 29.19 96 P P 18 33 33.2 +8

ELKO Elko 30.57 101 eP P 18 33 40.3 +0.3

0.7nm, 0.6s, mb3.7

BW06 Boulderfield 35.13 93 eP P 18 33 59.2 0.0

PDAR Pinedale Array 32.45 93 P P 18 34 02.5 +3.2

1.3nm, 0.7s, mb3.9, baz=315, slow=5.6, SNR=14

FCC Fort Churchill 32.83 58 eP P 18 34 03.4 +1.0

0.8nm, 0.6s, mb4.6

RSSD Black Hills 34.74 87 eP P 18 34 16.6 -2.5

4.8nm, 0.6s, mb4.6

ULM Lac du Bonnet 35.80 73 LR LR 18 34 48.5 +1.1

comp=Z.40nm, 21.6s, MS3.1, baz=355, slow=35

YAK 37.01 311 eP P 18 34 36.2 -1.8

8.8nm, 0.6s, mb4.8

SDCO Great Sand Dun 38.11 96 P P 18 34 45.4 -2.2

6.8nm, 1.1s, mb4.3

DAG Danmarks Havn 45.32 13 eP P 18 35 46.0 -0.1

DAG Danmarks Havn 45.32 13 iP P 18 35 46.0 -0.1

TXAR Lajitas Array 45.43 103 P P 18 35 50.5 +3.7

0.8nm, 0.6s, mb3.7, baz=305, slow=5.8, SNR=8.7

TXAR 1.0nm, 0.7s, baz=281, slow=6.4, SNR=7.1

TXAR comp=Z.36nm, 21.2s, MS3.3, baz=30, slow=33

MJAR Matsushiro Arr 47.39 275 eP P 18 36 13.3 +4.1

4.2nm, 1.1s, baz=354, slow=13, SNR=3.6

SCHO Schefferville 47.62 52 P P 18 36 07.1 +2.6

1.1nm, 0.8s, mb4.0, baz=278, slow=14, SNR=2.8

ARCES ARCES Array B 55.29 359 P P 18 37 03.2 +1.0

2.8nm, 0.9s, mb4.3, baz=14, slow=7.4, SNR=5.9

ARCES ARCES Array B 55.29 359 P P 18 37 03.2 +1.0

ULN Ulanbaatar 55.74 306 P P 18 37 03.7 -2.0

ZAL Zalesovo 60.01 323 P P 18 37 36.4 +0.8

0.6nm, 0.4s, mb3.9, slow=7.1, SNR=3.3

NB2 NORSAR Subarra 63.41 7 P pP 18 38 07.3 +2.6

2.9nm, 0.5s, baz=352, slow=5.5

NOA NORSAR Array B 63.41 7 P P 18 37 59.8 +1.5

0.5nm, 0.8s, mb3.7, baz=345, slow=4.0, SNR=2.7

NOA 0.3nm, 0.7s, baz=15, slow=5.0, SNR=1.4

NOA NORSAR Array B 63.41 7 P pP 18 37 59.8 +1.5

NOA 0.5nm, 0.5s, mb3.9, baz=18, slow=6.0, SNR=5.6

FINES FINES Array B 63.41 359 P P 18 37 58.0 -0.3

1.4nm, 0.7s, slow=11, SNR=3.8

CHK Chkalovo 64.59 331 P P 18 38 04.7 -1.4

BVAR Borovoye Array 65.24 331 P P 18 38 09.8 -0.3

1.2nm, 0.5s, mb4.2, baz=37, slow=5.7, SNR=9.4

BVAR 1.2nm, 0.5s, mb4.2, baz=37, slow=5.7, SNR=9.4









Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BURAR Bucovina Array, NIE Niedzica, KSP Ksiadz, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TXAR Lajitas Array, CSEM 28 01:01:01.18, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MAW Mawson, MAW Mawson, CFAA 19nm Fontan, 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, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like VNA1 Neumayer-Stat, USHA Ushuaia, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JTS JuntasAbangare, SDCO Great Sand Dun, etc.





Table with columns: STA, Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Gaotai, Qiongzong, Kunming, Urumqi, Zalesovo, etc.

Table with columns: STA, Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Fort Churchill, Fort Churchill, STKA, STKA, STKA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JMA 28 04:18:16.7, MIYJ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NEIC 28 04:20:27.4, GUC 28 04:20:27.4, JACH, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 28 04:29:04, CMAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DJA 28 04:48:07.9, IDC 28 04:48:09.7, BUJ 28 04:48:16.1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ENH, CD2, PALK, DGAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 28 05:02:53.2, URZ, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MIJAS, Sonseca Array, Matias Romero, Santa Fe, etc.

HEL 28 07:57:54.3-0.2, 59.88N-24.73E, ML1.7, ML2.0(UPP), Explosion

ICD 28 07:57:55.0-2.1, 59.94N-24.80E, mb1 3.0/3, mb1mx2.9/1, mbtmp2.9/3, ML2.6/3, Error ellipse: s-maj=23.6km s-min=6.9km az=145.0

ISC 28 07:57:52.8-0.7, 59.89N-0.05-24.73E, 0.08, n25, 0.116/38, Baltic States - Belarus - Northwestern Russia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Pernaia, Virojoki, FINESS Array S, etc.

NEIC 28 08:28:02.4, 16.79N-99.82W, h30km, MD4.2(MEX), After MEX.

MEX 28 08:28:02.4-0.8, 16.78N-99.81W, h22km, 7km, MD4.2, -3C-1N, Near coast of Guerrero

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Ciudad Serdan, Matias Romero, Santa Fe.

ATH 28 09:06:07.4, 39.49N-28.30E, h5km, MD3.6/3

NEIC 28 09:06:07.4, 39.49N-28.30E, h5km, MD3.6(ATH), After ATH

ISK 28 09:06:09.7, 39.41N-28.30E, h18km, MD3.4

CSEM 28 09:06:09.4-0.1, 39.41N-28.32E, h15km, MD3.4, Error ellipse: s-maj=1.8km s-min=1.5km az=84.0

ISC 28 09:09:08.0-0.5, 39.41N-0.02-28.30E, 0.03, h13km, 4km, n49, 0.081/71, 7C-2D, Turkey

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

ICD 28 09:08:16.7-6.3, 2.91N-96.73E, mb3.7/3, mb1 3.9/3, mb1mx3.6/18, mbtmp3.7/3, MS2.4/1, Ms1 2.6/1, ms1mx2.5/9k, Error ellipse: s-maj=317.9km s-min=28.9km az=56.0, Northern Sumatera

CMAR Chiang Mai Arr 15.61 8 LR 09 18 17.6

WRA Warrunguna Arr 43.34 123 P 09 16 21.2 -1.5

ASAR Alice Springs 44.80 128 P 09 16 32.3 -2.1

MKAR Makranjhi Array 45.48 346 P 09 16 37.6 -1.9

ICD 28 09:36:40.2-0.8, 2.32N-95.66E, mb4.4/17, mb1 4.5/18, mb1mx4.4/25, mbtmp4.4/18, ML4.4/1, MS3.5/2, Ms1 3.6/2, ms1mx3.0/18, Error ellipse: s-maj=47.2km s-min=13.1km az=48.0

MOS 28 09:36:42.8-1.0, 2.33N-95.79E, h33km, mb5.0/14, Error ellipse: s-maj=18.0km s-min=8.3km az=107.2

BUI 28 09:36:42.3-2.1, 17N-95.97E, h42km, mb4.9, Ms4.4, Ms2.4

NEIC 28 09:36:44.6-0.5, 2.42N-95.85E, h30km, mb4.8/10, Error ellipse: s-maj=13.7km s-min=7.9km az=46.0

ISC 28 09:36:43.2-0.4, 2.42N-95.91E, 0.05, h31km, h31km, 1.3km, pp-P, n86, 0.116/85, MB4.7/49, MS3.9/9, 4C, Off west coast of northern Sumatera

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

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















1011

Table with columns for station name, frequency, power, and other technical details. Includes stations like MAW Mawson, PRD Provadia, APE Apearanthos, etc.

2005 APR

Table with columns for station name, frequency, power, and other technical details. Includes stations like APA Mawson, BZS Buzias, CRVS Cervenica-Dubn, etc.

28d 14h

Table with columns for station name, frequency, power, and other technical details. Includes stations like GKP Gorka Kiasztor, VKA Vienna, KSP Ksiaz, etc.

28d 14h

Table with columns: Station, Frequency, Power, Direction, and Time. Includes stations like Ruedersdorf, Wettzell, Collm, Rugen, Novy Kostel, etc.

2005 APR

Table with columns: Station, Frequency, Power, Direction, and Time. Includes stations like Kongsberg, Vanda, Kingsbay, etc.

1012

Table with columns: Station, Frequency, Power, Direction, and Time. Includes stations like La Moudre, Kef-Lekhel, Gmel, etc.



Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like EBNR, ECHA, FLN, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like INK, RES, RAR, KIP, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like PJI, QOI, TRCR, etc.





28d 18h

Table with columns: PMG, Port Moresby, 8.16 249 Pn, P, 16 00 25.0 -1.7, etc. Includes various station codes and coordinates.

2005 APR

Table with columns: UCH, Uchter, 6.10 25 P, P, 16 12 03.7 +0.3, etc. Includes various station codes and coordinates.

1016

Table with columns: WRA, Warramunga Arr, 38.70 123 P, P, 16 47 45.2 -1.5, etc. Includes various station codes and coordinates.





ASAR Alice Springs 72.65 127 P P 20 11 23.9 -0.5
MKAR Makanchi Array 46.99 346 P P 20 11 49.3 -1.4
BVAR Borovoye Array 55.93 341 P P 20 12 55.2 -3.3

IDC 28:20:12:44.3:0.9, 7.26N:91.95E, mb3.9/8, mb1 4/1.9,
mb1mx3.9/20, mbmp4.0/19, ML2.4/21, MS3.5/8, Ms1 3/6/8,
ms1mx3.3/26, Error ellipse: s-maj=48.9km s-min=15.2km
az=51.0

MOS 28:20:12:47.4: 1.6, 7.26N:92.23E, h33km, mb4.8/4, Error
ellipse: s-maj=23.3km s-min=12.8km az=100.3

NEIC 28:20:12:49.0: 4.0, 7.31N:92.07E, h30km, mb4.5/5, Error
ellipse: s-maj=9.3km s-min=6.2km az=224.0

BJI 28:20:12:50.4, 7.87N:91.44E, h13km, mb4.3

ISC 28:20:12:47.0: 5.7, 30N:0.06:92.10E:0.06, h30km,
(h32km, 1.1km, pP-P), n54, c09/53, mb4.3/23, MS3.6/7, 1D,

Nicobar Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KULM, PALK, CM31, CMAR, CHG, VIS, NANT, HYB, SHL, KSM, JIRN, PKI, DMN, GUN, KKN, GKN, KOLN, LSA, UCH, AML, KBK, AAK, EKS2, USP, MKAR, MKAR, FITZ, ULN, ZAK, BVAR, CHKZ, WRA, WRAB, WRAB, WRA, ASAR, ASAR, ASAR, BOD, KIMO, STKA, BRTR, FINES, FINES, ARCES, GERES, HFS, NOA, CSEM, PDA, SVSA.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like CML, PVER, LFA, PMAT, PRCH, VIF, PCNG, FRA1, PFAD, MIRA, PFAV, RIBZ, PPAD, PBIS, ASBA.

IDC 28:20:47.1: 2.8, 7.11N:91.54E, mb3.4/2, mb1 3/8/3,

mb1mx3.5/19, mbmp3.3/63, ML3.7/1, Error ellipse:
s-maj=85.5km s-min=31.5km az=62.0, Nicobar Islands
region

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

BJI 28:20:49:10.6, 18.12N:146.55E, h41km, mb4.3, mb4.6,

IDC 28:20:49:10.2, 18.15N:146.76E, h46km, 19km, mb4.1/21,

mb1 4/2/23, mb1mx4.2/28, mbmp4.3/23, ML3.8/2, MS3.6/13,

Ms1 3/6/13, ms1mx3.4/31, Error ellipse: s-maj=18.8km

s-min=11.0km az=101.0

NEIC 28:20:49:12.1: 1.2, 18.12N:146.77E, h64km, 11km, mb4.5/14,

Error ellipse: s-maj=12.3km s-min=6.4km az=89.0

ISC 28:20:49:10.5: 1.4, 18.16N:146.77E:0.1, h62km, 12km,

n58, c09/52, mb4.3/32, 1C, Mariana Islands

Nicobar Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SARN, GUMO, CBJJ, CBU, JOW, MJAR, MAJO, MAT, MAT, KSI5, ASAJ, PMG, PMG, HIA, CTA, WRAB, WB2, WRA, WRA, FITZ, ASAR, ASAR, ASAR, ASPA, UMR, TLY, STKA, STKA, BILL, WMQ, WMQ, WMQ, WMQ, WMQ, MKAR, ILAR, ILAR, ILAR, CHKZ, BVAR, INK, INK, DLBC, ARU, YKA, YKA, YKA, YKA, YKA, RES, NEW, WVOR, NVAR, ARCES.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ARCES, ELK, PDAR, PDAR, FINES, FCC, JMJC, ANFO, HFS, NOA, NOA, FRB, BRTR, VNDA, TXAR, VNDA, LPZA.

IDC 28:20:07:6:2.8, 7.77N:91.48E, mb3.5/2, mb1 3/7/3,

mb1mx3.5/19, mbmp3.5/3, ML3.6/1, MS2.9/1, Ms1 3/1/1,

ms1mx2.8/14, Error ellipse: s-maj=84.7km

s-min=33.1km az=63.0, Nicobar Islands region

Nicobar Islands region

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

ATH 28:20:50:22.3: 0.4, 22N:19.92E, h5km, MD3.3/3

CSEM 28:20:50:24.2: 0.4, 15N:19.82E, h2km, ML3.1, Error

ellipse: s-maj=7.5km s-min=4.2km az=100.0

THE 28:20:50:25.1: 4.0, 12N:19.97E, h10km, ML3.1

ISC 28:20:50:24.0: 4.0, 40.11N:0.02:19.94E:0.05, h3km, 5km,

n21, c105/40, 1D, Albania

Albania

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TPE, TPE, SRN, SRN, KEK, KEK, IGT, IGT, JAN, JAN, MEV, MEV, MEV, MEV, FNA, FNA, LKD, LKD, EVR, EVR, PUK, PUK, PUK, PUK, LIT, LIT, AGO, AGO, SKO, SKO, SOH, SOH, PAIG, PAIG, PAIG, PAIG, SRS, SRS, OUR, OUR, ALN, ALN, ALN, ALN.

KRSC 28:21:13:40.9: 1.2, 53.48N:161.51E, h19km, 3km, ML3.9, Off

east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MKZ, MKZ, NLC, NLC, KII, KII, SDR, SDR, UGL, UGL, SMAR, SMAR, AVH, AVH, AVH, AVH, KOK, KOK, PET, PET, TUMR, TUMR, RUS, RUS, KRM, KRM, GNL, GNL, GNL, GNL, KMN, KMN, ZLN, ZLN, KPT, KPT, KPT, KPT, LGR, LGR, APC, APC, APC, APC, CIRR, CIRR, KRZ, KRZ, KRZ, KRZ, KBT, KBT, KBT, KBT, ESO, ESO, ESO, ESO, SRDR, SRDR, SRDR, SRDR, BRD, BRD.

















Table with columns for call sign, name, frequency, power, mode, and other technical details. Includes stations like KOZY, KOPYTO, ZELENAYA, etc.

Table with columns for call sign, name, frequency, power, mode, and other technical details. Includes stations like WMQ, RESOLUTE BAY, YKAL, etc.

Table with columns for call sign, name, frequency, power, mode, and other technical details. Includes stations like SCHEFFERVILLE, ALBUQUERQUE, etc.

IDC 29 06:05:33.5:7.1, 17.22N:18.23W, mb3.8/4, mb1 4.0/5, mb1mx3.6/24, mbtmp3.9/5, ML4.2/1. Error ellipse: s-maj=185.1km s-min=46.5km az=65.0

Table with columns for Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like CHIE, CCAN, EOSO, etc.

29d 8h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DBIC Dimbokro, DBIC Geres, FINES FINESS Array B, etc.

IDC 29 06:13:58.2-1.3, 50.345-110.36E, mb4.1/2, mb1 4.2/2, mb1mx3.9/10, mbtmp4.1/2, MS3.6/5, Ms1 3.6/5, ms1mx3.4/1.1, Error ellipse: s-maj=49.7km s-min=44.2km az=53.0, Southeast Indian Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NWAOW Narrogin (SRO), MAW Mawson, Vnda Vanda, etc.

MOS 29 06:28:14.9-3.3, 43.29N-45.80E, h10km, mb3.7/1, Error ellipse: s-maj=17.1km s-min=12.6km az=14.3 CSEM 29 06:28:14.9-0.8, 43.29N-45.80E, h10km, mb3.7, Error ellipse: s-maj=27.0km s-min=8.2km az=10.0, After OBN TIF 29 06:28:18.4, 43.13N-45.92E, h17km, 5MDK ISC 29 06:28:16.1-1.4, 43.33N-0.09-45.81E, 0.05, h10km, n10, r130/118, 1C, Eastern Caucasus

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DBC Dubki, KRNR Karanay, KRNR Karanay, etc.

GRAL 29 07:13:49.7-0.3, 33.60N-35.84E, MD3.0 GII 29 07:13:49.5-1.4, 33.79N-35.16E, h14km, 7km, ML2.2/5, Mw2.3/2

ISC 29 07:13:47.6-1.4, 33.92N-0.05-35.2E, 0.1, h20km, 9km, n12, r076/20, Jordan - Syria region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BHL Bhannes, BHL BHL, MATL Matirih, etc.

IDC 29 07:35:12.1-1.2, 8.22S-68.04E, mb3.8/4, mb1 4.0/4, mb1mx3.7/16, mbtmp3.8/4, MS3.2/2, Ms1 3.2/2, ms1mx2.8/2.4, Error ellipse: s-maj=49.7km s-min=35.3km az=93.0, Chagos Archipelago region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, EIL Elat, MKAR Makanchi Array, etc.

CNRM 29 07:48:53.7, 34.74N-2.83W, h5km, MD3.1 MDD 29 07:48:54.6, 0.9, 34.84N-2.90W, h7km, 5km, mblg2.1/7, Error ellipse: s-maj=7.3km s-min=6.1km az=136.0, PRXIMO CSEM 29 07:48:54.4, 0.1, 34.86N-3.02W, h25km, MD3.1, Error ellipse: s-maj=3.3km s-min=2.8km az=159.0 NEIC 29 07:48:57.0, 35.03N-3.17W, MG3.1(MDD), After MDD SFS 29 07:48:57.0, 35.03N-3.17W ISC 29 07:48:53.7-0.7, 34.86N-0.04-3.03W, 0.05, h10km, n27, r121/48, Morocco

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ZAI Zaio, MELI Melilla, EMEL Melilla, etc.

2005 APR

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like EMEL Meilla, EMLI Meilla, TAF Tafarot, etc.

CSEM 29 07:55:52.7-0.1, 35.78N-53.25E, h8km, ML3.4, Error ellipse: s-maj=2.3km s-min=1.3km az=159.0 THR 29 07:55:53.3-0.3, 35.81N-53.25E, h17km, 5km, ML3.1 TEH 29 07:55:54.3, 35.79N-53.29E, h5km, Mn3.4 ISC 29 07:55:52.8-0.7, 35.88N-0.06-53.26E, 0.04, h10km, n19, r129/24, Northern and central Iran

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

IDC 29 07:59:54.6-2.1, 52.38N-35.30E, mb3.5/1, mb1 3.7/3, mb1mx3.4/18, mbtmp3.6/3, ML3.3/3, Error ellipse: s-maj=26.3km s-min=11.1km az=119.0, Baltic States - Belarus - Northwestern Russia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AKASG Malin Array Be, AKASG Malin Array Be, AKASG Malin Array Be, etc.

IDC 29 08:11:08.7-1.0, 2.08N-96.00E, mb4.2/9, mb1 4.3/10, mb1mx4.1/18, mbtmp4.2/10, ML4.5/1, MS4.0/10, Ms1 4.0/10, ms1mx3.8/21, Error ellipse: s-maj=59.4km s-min=19.2km az=51.0 MOS 29 08:11:12.3-1.2, 2.22N-95.97E, h33km, mb4.7/9, Error ellipse: s-maj=34.3km s-min=11.5km az=98.7 BJI 29 08:11:12.3, 2.20N-96.19E, h36km, mb4.9, mb4.7, Ms4.6, Ms4.3 NEIC 29 08:11:14.2-0.5, 2.26N-96.24E, h30km, mb4.7/6, Error ellipse: s-maj=12.4km s-min=8.3km az=214.0 ISC 29 08:11:15.0-0.5, 2.20N-0.06-96.20E, 0.06, h29km, h29km, 2.4km, p-P, n68, r1507/10, mb4.6/38, MS4.2/24, 3C, Northern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KULM Kulim, KSM Kuching, PALK Pallekete, etc.

1026

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CMAR comp=Z,751nm,18.2s, baz=180, slow=40, KKM Kota Kinabalu, Qiongzhong, etc.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like BJL Beijing, BJI BJI, and WMQ Urumqi.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like WRAB Tennant Creek and WRAB WRAB.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like WB2 Warramunga Arr and MKAR Makanchi Array.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like MKAR Makanchi Array and ULN Ulanbaatar.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like ZAK ZAK and CN2 Changchun.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like CN2 CN2 and MDJ MDJ.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like MDJ MDJ and MJAR Matushiro Arr.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like NVA Novosibirsk and STKA Stephens Creek.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like STKA Stephens Creek and BVAO Borovoye Array.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like BVAO Borovoye Array and CHKZ Chkalovo.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like CHKZ Chkalovo and BOD Bodaibo.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like BOD Bodaibo and ARU Arti.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like ARU Arti and YAK Yakutsk.

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Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like SPX San Pedro Mart, SPX Rancho Dowling, and CPBX Cerro Prieto.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like CPBX Cerro Prieto and ECNX Eteban Canyon.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like ECNX Eteban Canyon and ENX Ensenada.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like ENX Ensenada and CBX Cerro Bola.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like CBX Cerro Bola and KULM Kulim.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like KULM Kulim and CMAR Chiang Mai Arr.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like CMAR Chiang Mai Arr and FITZ Fitzroy Crossi.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like FITZ Fitzroy Crossi and MKAR Makanchi Array.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like MKAR Makanchi Array and STKA Stephens Creek.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like STKA Stephens Creek and BRTR Keskin Array B.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like BRTR Keskin Array B and SPCH San Pedro de A.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like SPCH San Pedro de A and LVC Limon Verde.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like LVC Limon Verde and LVC Limon Verde.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like LVC Limon Verde and ANCH Antofagasta.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like ANCH Antofagasta and ANCH Antofagasta.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like ANCH Antofagasta and CRCH Chaqaral.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like CRCH Chaqaral and CRCH Chaqaral.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like CRCH Chaqaral and CPCH Copiapo.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like CPCH Copiapo and CPCH Copiapo.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like CPCH Copiapo and LPAZ La Paz.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like LPAZ La Paz and LPAZ La Paz.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like LPAZ La Paz and CFAA Coronel Fontana.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like CFAA Coronel Fontana and CFAA Coronel Fontana.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like CFAA Coronel Fontana and ARE Arequipa.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like ARE Arequipa and SIV San Ignacio.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like SIV San Ignacio and TRQA Torqueist.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like TRQA Torqueist and PLCA Paso Flores.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like PLCA Paso Flores and BDFB Brasilia.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like BDFB Brasilia and MKAR Makanchi Array.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like MKAR Makanchi Array and RAEZ Rainy Point.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like WTVZ West Tongariro, WTVZ Moawhango, and MOVZ Moawhango.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like MOVZ Moawhango and MGZ Maungaka.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like MGZ Maungaka and KIWI Kapiti Island.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like KIWI Kapiti Island and HIW Hauraki.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like HIW Hauraki and HIZ Hauraki.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like HIZ Hauraki and WEL Wellington.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like WEL Wellington and SNZO South Korori.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like SNZO South Korori and NNZ Nelson.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like NNZ Nelson and NNZ Nelson.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like NNZ Nelson and MTW Mount Morrison.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like MTW Mount Morrison and TUWZ Tuamarina.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like TUWZ Tuamarina and QRZ Quartz Range.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like QRZ Quartz Range and QRZ Quartz Range.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like QRZ Quartz Range and BHW Baring Head.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like BHW Baring Head and BHZ Baring Head.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like BHZ Baring Head and BFZ Birch Farm.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like BFZ Birch Farm and BKZ Black Stump Fm.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like BKZ Black Stump Fm and BKZ Black Stump Fm.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like BKZ Black Stump Fm and MSWJ Motu Station.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like MSWJ Motu Station and MSWJ Motu Station.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like MSWJ Motu Station and MSWJ Motu Station.

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Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like MSWJ Motu Station and MSWJ Motu Station.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like MSWJ Motu Station and MSWJ Motu Station.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like MSWJ Motu Station and MSWJ Motu Station.

IDX 29 08:26:40.6: 1.4, 0.75N-96.41E, mb4, 1/4, mb1 4.2/5, mb1mx3.9/16, mbtmp4.0/5, ML4.3/1, Error ellipse: s-maj=63.7km s-min=22.3km az=53.0

NEIC 29 08:26:46.1: 1.2, 1.17N-96.90E, h30km, Error ellipse: s-maj=28.2km s-min=21.2km az=63.0

ISC 29 08:26:44.0: 1.2, 1.1N-101.969E, 0.2, h30km, n7, 0.1913/7, mb4.1/4, Off west coast of northern Sumatra

Code Station Name Az Phase ID Time Res h m s ISC

KULM Kulim 5.55 42 Op P 08 23 06.2 +0.3

CMAR Chiang Mai Arr 17.32 6 P 08 30 49.5 +4.1

FITZ Fitzroy Crossi 34.12 125 P 08 33 28.5 -0.1

MKAR Makanchi Array 47.23 346 P 08 35 17.5 +1.2

MKAR Makanchi Array 47.23 346 P 08 35 17.5 +1.2

STKA Stephens Creek 53.53 132 P 08 36 05.0 +0.5

BRTR Keskin Array B 68.94 312 P 08 37 47.1 -1.6

BRTR Keskin Array B 68.94 312 P 08 37 47.1 -1.6

Code Station Name Az Phase ID Time Res h m s ISC

SPCH San Pedro de A 1.26 319 Op P 08 30 05.3 +0.4

LVC Limon Verde 1.93 310 P 08 30 11.5 +0.8

LVC Limon Verde 1.93 310 P 08 30 11.5 +0.8

LVC Limon Verde 1.93 310 P 08 30 11.5 +0.8

LVC Limon Verde 1.93 310 P 08 30 11.5 +0.8

ANCH Antofagasta 2.84 273 Op P 08 30 22.2 +1.8

ANCH Antofagasta 2.84 273 Op P 08 30 22.2 +1.8

ANCH Antofagasta 2.84 273 Op P 08 30 22.2 +1.8

ANCH Antofagasta 2.84 273 Op P 08 30 22.2 +1.8

CRCH Chaqaral 3.88 230 Op P 08 30 33.5 +0.7

CRCH Chaqaral 3.88 230 Op P 08 30 33.5 +0.7

CRCH Chaqaral 3.88 230 Op P 08 30 33.5 +0.7

CPCH Copiapo 4.43 218 Op P 08 30 39.1 -0.3

CPCH Copiapo 4.43 218 Op P 08 30 39.1 -0.3

LPAZ La Paz 7.58 354 P 08 31 20.1 +0.4

LPAZ La Paz 7.58 354 P 08 31 20.1 +0.4

JMA 29 09:09:51.0: 0.1, 35.55N-140.97E, h43km, 1km, M2.6

ISC 29 09:05:50.7: 1.7, 35.53N-107.741E, 0.2, h42km, 1.4km, n9, 0.0937/11, Near east coast of eastern Honshu

Code Station Name Az Phase ID Time Res h m s ISC

CHQJ Choshi 0.21 323 Op P 09 09 58.3 +0.1

CHQJ Choshi 0.21 323 Op P 09 09 58.3 +0.1

JCN Nagara 0.68 260 P 09 10 04.5 +0.7

KTR Katsura 0.69 236 P 09 10 04.4 +0.4

BSO4 Boso 4 0.76 226 P 09 10 04.9 -0.3

BSO3 Boso 3 0.84 210 P 09 10 05.8 -0.4

BSO1 Boso 1 0.86 182 P 09 10 06.5 -0.2

JYT Yasato 0.98 316 P 09 10 07.5 -0.4

JHT Hitachi 1.19 341 P 09 10 20.1 -0.5

JMAT Matushiro 2.49 295 P 09 10 30.0 +0.3

NIED 29 10:00:35.50N:141.10E, h38km, Mw2.2 Best double couple: M2.6x10.15 NPT:110, 88S, A-96, NP2:30.343, 88, A-37

JMA 29 09:10:16.0: 0.1, 35.54N-140.98E, h41km, 1km, M3.6

JMA Felt J1

MOS 29 09:10:19.5: 0.9, 35.46N-140.56E, h90km, mb4.4/5, Error ellipse: s-maj=19.2km s-min=12.0km az=119.6

ISC 29 09:10:19.6: 1.8, 35.25N-140.75E, h78km, 20km, mb3.6/12, mb1 3.9/15, mb1mx3.8/23, mbtmp4.0/15, MSJ.3/17, MSJ.3/27, mb1mx3.0/23, Error ellipse: s-maj=23.3km s-min=2.0km az=127.0

NEIC 29 09:10:19.4: 1.1, 35.39N-140.65E, h71km, 9km, mb4.3/6, Error ellipse: s-maj=11.9km s-min=9.6km az=127.0

NEIC Recorded (JMA) in China Prefecture

ISC 29 09:10:15.1: 0.4, 35.48N-103.141E, 0.05, h41km, n50, 0.1535/57, mb4.0/18, MS3.1/4, 1D, Near east coast of eastern Honshu

Code Station Name Az Phase ID Time Res h m s ISC

CHQJ Choshi 0.27 325 Op P 09 10 23.3 +0.2

CHQJ Choshi 0.27 325 Op P 09 10 23.3 +0.2

KTR Katsura 0.69 241 P 09 10 28.5 +0.9

JCN Nagara 0.69 265 P 09 10 29.5 +1.0

BSO4 Boso 4 0.76 230 P 09 10 31.4 +2.0

BSO3 Boso 3 0.81 213 P 09 10 30.7 +0.6

BSO1 Boso 1 0.83 184 P 09 10 31.5 +1.1

JYT Yasato 1.02 317 P 09 10 33.4 +0.9

JHT Hitachi 1.19 341 P 09 10 36.0 +0.9



IDC 29 11:40:44.0.3, 1.7, 0.5S, 125, 16E, h559km, 40km, mb3, 1/6, mb1 3.3/7, mb1mx3.1/16, mbtmp4.2/7, Error ellipse: s-maj=52.3km s-min=14.9km az=64.0

IDC 29 12:15:55.0.2, 6, 18, 88S, 177, 48W, h339km, 26km, mb3, 7/8, mb1 3.9/9, mb1mx3.6/17, mbtmp4.3/9, Error ellipse: s-maj=68.9km s-min=13.3km az=150.0

SDNR New Delhi 9.54 51 eS S 12 47 43.0 -2.4

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FITZ, WRAB, WB2, NWAOW, STKA, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AFI, CNB, CTA, STKA, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like GKN, KKN, DMN, PKI, etc.

ISC 29 11:51:02.6:1.7, 45.19N, 0.07-15.29E, 0.09, h10km, n8, c055/14, 2C-1D, Northwestern Balkan Peninsula

ISC 29 12:39:17.8:0.7, 28.27N, 140.10E, h415km, 13km, mb3, 3/9, mb1 3.5/12, mb1mx3.3/22, mbtmp4.1/12, Error ellipse: s-maj=37.9km s-min=15.9km az=5.0

NEIC 29 12:47:09.8:3.6, 31.79N, 138.06E, h365km, mb3, 7/1, Error ellipse: s-maj=81.8km s-min=20.6km az=131.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BOJS, VISS, GCIS, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KLB, NVAR, Lajitas, etc.

JMA 29 12:47:11.4:0.2, 32.21N, 138.01E, h408km, M3.3, IDC 29 12:47:13.0:1.5, 32.00N, 137.86E, h380km, 20km, mb3, 2/4, mb1 3.3/6, mb1mx3.0/21, mbtmp4.0/6, Error ellipse: s-maj=53.0km s-min=28.7km az=69.0

IDC 29 11:53:01.7:1.3, 8.88S, 127.24E, mb4.0/4, mb1 4.2/5, mb1mx4.0/13, mbtmp4.1/5, ML4.5/1, Error ellipse: s-maj=79.0km s-min=22.1km az=65.0

JMA 29 12:39:17.8:0.7, 28.27N, 140.10E, h415km, 13km, mb3, 3/9, mb1 3.5/12, mb1mx3.3/22, mbtmp4.1/12, Error ellipse: s-maj=37.9km s-min=15.9km az=5.0

ISC 29 12:47:12.0:5.2, 32.16N, 138.01E, h408km, M3.3, IDC 29 12:47:13.0:1.5, 32.00N, 137.86E, h380km, 20km, mb3, 2/4, mb1 3.3/6, mb1mx3.0/21, mbtmp4.0/6, Error ellipse: s-maj=53.0km s-min=28.7km az=69.0

NEIC 29 11:53:05.0:0.7, 8.98S, 127.22E, h25km, mb3, 9/1, Error ellipse: s-maj=23.9km s-min=11.4km az=59.0

JMA 29 12:39:17.8:0.7, 28.27N, 140.10E, h415km, 13km, mb3, 3/9, mb1 3.5/12, mb1mx3.3/22, mbtmp4.1/12, Error ellipse: s-maj=37.9km s-min=15.9km az=5.0

ISC 29 12:47:12.0:5.2, 32.16N, 138.01E, h408km, M3.3, IDC 29 12:47:13.0:1.5, 32.00N, 137.86E, h380km, 20km, mb3, 2/4, mb1 3.3/6, mb1mx3.0/21, mbtmp4.0/6, Error ellipse: s-maj=53.0km s-min=28.7km az=69.0

ISC 29 11:53:07.1:0.9, 10S, 127.7E, 0.1, h33km, n9, c079/11, mb3, 8/4, Timor Sea

JMA 29 12:39:17.8:0.7, 28.27N, 140.10E, h415km, 13km, mb3, 3/9, mb1 3.5/12, mb1mx3.3/22, mbtmp4.1/12, Error ellipse: s-maj=37.9km s-min=15.9km az=5.0

ISC 29 12:47:12.0:5.2, 32.16N, 138.01E, h408km, M3.3, IDC 29 12:47:13.0:1.5, 32.00N, 137.86E, h380km, 20km, mb3, 2/4, mb1 3.3/6, mb1mx3.0/21, mbtmp4.0/6, Error ellipse: s-maj=53.0km s-min=28.7km az=69.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KAKA, FITZ, WRAB, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CBJ, JHH, JHW, etc.

ISC 29 12:47:12.0:5.2, 32.16N, 138.01E, h408km, M3.3, IDC 29 12:47:13.0:1.5, 32.00N, 137.86E, h380km, 20km, mb3, 2/4, mb1 3.3/6, mb1mx3.0/21, mbtmp4.0/6, Error ellipse: s-maj=53.0km s-min=28.7km az=69.0

CSEM 29 11:57:50.0, 36, 12N, 25.34E, h34km, MD3.4/3, After ATH 29 11:57:48.4, 34.25N, 25.87E, h38km, MD3.5/3, 1C, Crete

JMA 29 12:39:17.8:0.7, 28.27N, 140.10E, h415km, 13km, mb3, 3/9, mb1 3.5/12, mb1mx3.3/22, mbtmp4.1/12, Error ellipse: s-maj=37.9km s-min=15.9km az=5.0

ISC 29 12:47:12.0:5.2, 32.16N, 138.01E, h408km, M3.3, IDC 29 12:47:13.0:1.5, 32.00N, 137.86E, h380km, 20km, mb3, 2/4, mb1 3.3/6, mb1mx3.0/21, mbtmp4.0/6, Error ellipse: s-maj=53.0km s-min=28.7km az=69.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NPY, XRS, KARP, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAT, JWS, JHO, etc.

ISC 29 12:47:12.0:5.2, 32.16N, 138.01E, h408km, M3.3, IDC 29 12:47:13.0:1.5, 32.00N, 137.86E, h380km, 20km, mb3, 2/4, mb1 3.3/6, mb1mx3.0/21, mbtmp4.0/6, Error ellipse: s-maj=53.0km s-min=28.7km az=69.0

BUI 29 12:02:44.4, 1.50S, 99.50E, h21km, mb4.8, IDC 29 12:02:48.1, 0.6, 1.36S, 99.43E, h20km, 4km, mb4.0/7, mb1 4.1/8, mb1mx3.9/17, mbtmp4.1/8, ML3.9/1, Error ellipse: s-maj=27.8km s-min=16.2km az=52.0

JMA 29 12:39:17.8:0.7, 28.27N, 140.10E, h415km, 13km, mb3, 3/9, mb1 3.5/12, mb1mx3.3/22, mbtmp4.1/12, Error ellipse: s-maj=37.9km s-min=15.9km az=5.0

ISC 29 12:47:12.0:5.2, 32.16N, 138.01E, h408km, M3.3, IDC 29 12:47:13.0:1.5, 32.00N, 137.86E, h380km, 20km, mb3, 2/4, mb1 3.3/6, mb1mx3.0/21, mbtmp4.0/6, Error ellipse: s-maj=53.0km s-min=28.7km az=69.0

NEIC 29 12:02:48.5:0.7, 1.52S, 99.48E, mb4.5/3, Error ellipse: s-maj=21.9km s-min=10.7km az=64.0

JMA 29 12:39:17.8:0.7, 28.27N, 140.10E, h415km, 13km, mb3, 3/9, mb1 3.5/12, mb1mx3.3/22, mbtmp4.1/12, Error ellipse: s-maj=37.9km s-min=15.9km az=5.0

ISC 29 12:47:12.0:5.2, 32.16N, 138.01E, h408km, M3.3, IDC 29 12:47:13.0:1.5, 32.00N, 137.86E, h380km, 20km, mb3, 2/4, mb1 3.3/6, mb1mx3.0/21, mbtmp4.0/6, Error ellipse: s-maj=53.0km s-min=28.7km az=69.0

ISC 29 12:02:46.4:0.7, 1.46S, 10.99SE, 0.1, h21km, n12, km1, 6km, pP-P, n18, c097/16, mb4.2/10, Southern Sumatra

JMA 29 12:39:17.8:0.7, 28.27N, 140.10E, h415km, 13km, mb3, 3/9, mb1 3.5/12, mb1mx3.3/22, mbtmp4.1/12, Error ellipse: s-maj=37.9km s-min=15.9km az=5.0

ISC 29 12:47:12.0:5.2, 32.16N, 138.01E, h408km, M3.3, IDC 29 12:47:13.0:1.5, 32.00N, 137.86E, h380km, 20km, mb3, 2/4, mb1 3.3/6, mb1mx3.0/21, mbtmp4.0/6, Error ellipse: s-maj=53.0km s-min=28.7km az=69.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KULM, CHIANG, FITZ, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AML, UCH, KZA, etc.

ISC 29 12:47:12.0:5.2, 32.16N, 138.01E, h408km, M3.3, IDC 29 12:47:13.0:1.5, 32.00N, 137.86E, h380km, 20km, mb3, 2/4, mb1 3.3/6, mb1mx3.0/21, mbtmp4.0/6, Error ellipse: s-maj=53.0km s-min=28.7km az=69.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WB2, WRAB, STKA, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like THN, DLH, AAK, etc.

ISC 29 12:47:12.0:5.2, 32.16N, 138.01E, h408km, M3.3, IDC 29 12:47:13.0:1.5, 32.00N, 137.86E, h380km, 20km, mb3, 2/4, mb1 3.3/6, mb1mx3.0/21, mbtmp4.0/6, Error ellipse: s-maj=53.0km s-min=28.7km az=69.0

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

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

ISC 29 12:47:12.0:5.2, 32.16N, 138.01E, h408km, M3.3, IDC 29 12:47:13.0:1.5, 32.00N, 137.86E, h380km, 20km, mb3, 2/4, mb1 3.3/6, mb1mx3.0/21, mbtmp4.0/6, Error ellipse: s-maj=53.0km s-min=28.7km az=69.0

NNC 29 12:51:15.0:0.3, 36.97N, 69.19E, h44km, 91km, mpv3.7, 3C-1D, Error ellipse: s-maj=22.4km s-min=36.2km az=122.0, Hindu Kush region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KK31, KK31, AAK, etc.

NEIC 29 12:58:56.4, 35.32N, 25.51E, h15km, MD3.5(ATH), After ATH

CSEM 29 12:58:56.4, 35.32N, 25.51E, h15km, MD3.5/4, After ATH

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

MAN 29 13:02:10.9, 5.53N, 125.23E, h32km, mb4.5, ML3.4, MS3.3, NEIC 29 13:02:30.4, 5.69N, 125.47E, h10km, 47km, mb4.2/3, Error ellipse: s-maj=26.2km s-min=9.8km az=73.0

IDC 29 13:02:22.0, 7.0, 5.73N, 125.49E, h12km, 70km, mb3, 6/5, mb1 3.7/5, mb1mx3.5/18, mbtmp4.0/1, Ms1 3.2/1, ms1mx2.7/28, Error ellipse: s-maj=29.3km s-min=21.4km az=98.0

ISC 29 13:02:12.3, 1.2, 5.59N, 0.07-125.26E, 0.08, h50km, n18, c1930/22, mb4.1, 1C-1D, Mindanao

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KCP, KCP, MATI, etc.

















29d 22h

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res, h, m, s, ISC. Includes stations like ANN Anapa, BRTR Keskin Array B, MAW Mawson, etc.

2005 APR

Table with columns: PPT, Papeete, 111.44 109 eLR, LR, 21 05 11.5. Includes stations like NVAR Mina Array B, PDAR Pinale Array, TXAR Lajitas Array, etc.

1036

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res, h, m, s, ISC. Includes stations like Tuva-Buryatia-Mongolia border region, KAB Kabansk, TLY Talaya, etc.





29d 22h

Table with columns for station name, frequency, power, and signal strength. Includes stations like BDI, PII, BERN, NKCC, NKCC, etc.

2005 APR

Table with columns for station name, frequency, power, and signal strength. Includes stations like KTD, TNS, TNS, TNS, LSD, LIBD, LIBD, etc.

1038

Table with columns for station name, frequency, power, and signal strength. Includes stations like LOR, LOR, LOR, COLF, COLF, COLF, etc.



30d Oh

Table with columns: MOR#, Station Name, Az, El, P, S, Res, Time, Res, ISC. Includes stations like Moi Rana, Kautokina, ARCES Array B, etc.

NEIC 29 23:17:06.0, 2.9, 8.50S, 120.49E, h91km, 29km, mb3.9/1, Error ellipse: s-maj=32.9km s-min=15.5km az=216.0

DCJ 29 23:17:07.0, 0.9, 8.11S, 120.43E, h240km, MD4.84, ML4.5/4, Error ellipse: s-maj=112.4km s-min=18.8km az=176.0

DCJ 29 23:17:10.2, 3.9, 8.88S, 120.17E, h140km, 42km, mb3.5/2, mb1.3/5, mb1mx3.4/17, mbtmp3.9/5, Error ellipse: s-maj=158.0km s-min=13.9km az=53.0

ISC 29 23:17:09.2, 2.0, 8.75S, 0.2, 120.5E, 0.1, h148km, 25km, n15, c089/23, mb3.8/2, 8C-1D, Flores region

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC. Includes stations like Kedondong, Rata, Kelakatan, etc.

CSEM 29 23:38:09.3, 0.1, 47.60N, 2.81W, h5km, ML2.6/18, Error ellipse: s-maj=2.6km s-min=2.0km az=60.0

NEIC 29 23:38:10.0, 47.64N, 2.74W, h4km, ML2.6(LDG), After LDG

LDG 29 23:38:10.0, 0.1, 47.64N, 2.74W, h4km, Md2.7/3, M12.6/18, Error ellipse: s-maj=2.3km s-min=1.5km az=57.0, France

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC. Includes stations like Quistinic, Saint Gilles, Rostrenen, etc.

2005 APR

Table with columns: BGF, Station Name, Az, El, P, S, Res, Time, Res, ISC. Includes stations like Bois d'Angland, Avril sur Loir, Saint Saulge, etc.

ISC 00 00:03:24.8, 4.7, 5.73S, 154.22E, h176km, 38km, mb3.5/6, mb1.3/8, mb1mx3.5/17, mbtmp4.0/8, Error ellipse: s-maj=37.6km s-min=22.8km az=20.0

NEIC 30 00:03:25.0, 3.0, 5.73S, 154.24E, h176km, 23km, mb4.3/2, Error ellipse: s-maj=28.8km s-min=18.6km az=208.0

ISC 30 00:03:25.1, 3.7, 5.85S, 0.2, 154.2E, 0.1, h191km, 28km, n12, c0584/13, mb3.8/7, Bougainville - Solomon Islands region

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC. Includes stations like Port Moresby, Charters Tower, etc.

ISC 30 00:08:02.3, 2.5, 6.39S, 129.60E, mb3.4/1, mb1.3/7/4, mb1mx3.6/14, mbtmp3.5/4, ML3.4/3, Error ellipse: s-maj=114.2km s-min=28.8km az=76.0, Banda Sea

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

ISK 30 00:09:32.1, 40.69N, 34.88E, h16km, MD3.6

CSEM 30 00:09:32.1, 40.69N, 34.88E, h16km, MD3.6, After ISK

ISC 30 00:09:32.3, 0.7, 40.70N, 0.03, 34.88E, 0.06, h9km, 5km, n22, c088/28, Turkey

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC. Includes stations like Corum, Boyabat, Tosya, etc.

ISC 30 00:11:03.1, 1.8, 8.39S, 124.53E, mb3.7/1, mb1.4/2/4, mb1mx3.9/15, mbtmp4.0/4, Error ellipse: s-maj=111.9km s-min=27.3km az=65.0

NEIC 30 00:11:14.7, 3.1, 9.05S, 124.17E, h109km, 32km, mb4.6/2, Error ellipse: s-maj=32.8km s-min=26.7km az=52.0

ISC 30 00:11:13.7, 4.6, 9.05S, 0.2, 124.2E, 0.1, h119km, 53km, n7, c075/9, mb3.6/1, Timor region

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC. Includes station Kakadu.

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Table with columns: KAKA, Station Name, Az, El, P, S, Res, Time, Res, ISC. Includes stations like Fitzroy Crossi, Warramunga Arr, etc.

ISC 30 00:18:09.5, 2.3, 7.07N, 94.73E, mb3.7/4, mb1.4/0/5, mb1mx3.6/19, mbtmp3.8/5, ML4.2/1, Error ellipse: s-maj=84.7km s-min=24.3km az=65.0

NEIC 30 00:18:14.5, 1.0, 7.23N, 94.96E, h30km, mb3.8/1, Error ellipse: s-maj=28.8km s-min=10.1km az=76.0

ISC 30 00:18:12.9, 1.2, 7.3N, 0.4, 95.1E, 0.2, h30km, n10, c065/10, mb3.8/5, Nicobar Islands region

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC. Includes stations like Kulim, Chiang Mai Arr, etc.

ISC 30 00:24:38.2, 0.5, 9.51N, 93.10E, mb4.3/18, mb1.4/4/18, mb1mx4.3/28, mbtmp4.3/18, MS3.6/7, M1.3/6/7, ms1mx3.2/2, Error ellipse: s-maj=30.5km s-min=11.5km az=52.0

MOS 30 00:24:41.0, 1.1, 9.39N, 93.06E, h33km, mb4.8/13, Error ellipse: s-maj=14.2km s-min=7.5km az=109.0

BUJ 30 00:24:41.2, 9.40N, 93.14E, h36km, mb4.6, mb4.8, Ms4.1, Ms3.8

NEIC 30 00:24:42.8, 0.3, 9.51N, 93.14E, h30km, mb4.6/13, Error ellipse: s-maj=12.3km s-min=6.4km az=54.0

ISC 30 00:24:41.2, 0.4, 9.35N, 0.06, 93.10E, 0.06, h33km, n101, c1807/96, mb4.5/40, MS3.6/8, 1D, Nicobar Islands region

Table with columns: Code, Station Name, Az, El, P, S, Res, Time, Res, ISC. Includes stations like Kulim, Chiang Mai Arr, etc.



30d 1h

Table with columns for station call letters, frequency, power, and signal quality. Includes stations like FX1 Attu Island-F, HIA Hailar, YAK Yakutsk, etc.

2005 APR

Table with columns for station call letters, frequency, power, and signal quality. Includes stations like ILAR Eielson Array, ILAR Novosibirsk, NVS NVS, etc.

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Table with columns for station call letters, frequency, power, and signal quality. Includes stations like YBH Yreka Blue Hor, HLA Hyderabad, WDC Water Lakes, etc.







EIL		LR	LR	01 34 08.5
KMITI	Karmit	19.93 337	P	01 28 07.0 +0.6
PRNI	Paron	20.05 338	P	01 28 08.5 +0.8
ZFRF	Zfri	20.17 339	P	01 28 09.0 +0.9
KZIT	Kziot	20.77 337	P	01 28 16.2 +1.0
RTMIM	Retamin	20.80 338	P	01 28 15.5 0.0
ASF	Jabal al Asfar	21.14 344	P	01 28 19.7 +0.7
ASF	comp=Z,37nm,1.0s,mb4.7,baz=16,slow=5.0,SNR=55		S	01 32 21.1 +1.2
ASF	comp=Z,0.4nm,0.2s,baz=41,slow=18,SNR=1.6		S	01 34 33.1
ASF	comp=Z,5.0nm,1.1s,baz=218,slow=19,SNR=3.3		S	01 35 39.7
ASF	comp=Z,3um,18.8s,MS4.6,baz=201,slow=35		S	01 28 19.7 +0.8
ASF	Jabal al Asfar	21.14 344	P	01 32 21.1 +1.2
ASF			Lg	01 34 33.1
ASF			LR	01 35 39.7
BHD	Baghdad	21.36 2	eP	01 28 18.5 -2.7
SLTI	Sal'it	21.76 340	P	01 28 26.5 +1.3
MLLI	Mount Malkishu	21.82 341	P	01 28 27.2 +1.4
OFRI	Ofser	22.12 341	P	01 28 29.9 +1.0
MSL	Mosul	24.36 359	eP	01 28 56.5 +5.7
CSS	Prodromos	24.82 340	eP	01 28 54.0 -1.2
CSS	Prodromos	24.82 340	eP	01 28 54.0 -1.2
CSS	Prodromos	24.82 340	eP	01 28 54.0 -1.2
MALT	Malatya	26.76 351	eP	01 29 14.4 +1.1
MALT	Malatya	26.76 351	eP	01 29 14.4 +1.1
MALT	Malatya	26.76 351	eP	01 29 14.4 +1.1
GNI	Garni	28.23 2	P	01 29 29.1 +2.5
GNI	comp=Z,13nm,0.8s,mb4.6,baz=140,slow=1.9,SNR=14		LR	01 41 19.2
BRTR	Keskin Array B	29.12 344	P	01 29 35.4 +0.6
BRTR	comp=Z,8.1nm,0.9s,mb4.4,baz=150,slow=10.0,SNR=46		PcP	01 32 42.8 +0.1
BRTR	Keskin Array B	29.12 344	P	01 29 35.4 +0.6
BRTR	Keskin Array B	29.12 344	P	01 29 35.4 +0.6
DGRG	David-garej	29.55 3	P	01 34 51.5 +1.9
DGRG			S	01 29 43.2 +2.3
TIZ	Plekhanov	29.81 2	iP	01 34 51.5 +1.9
TIZ			MLR	01 29 43.2 +2.3
TIZ	comp=N,2um,10.0s,MS5.0		MLR	01 29 43.2 +2.3
TIZ	comp=E,1um,10.0s,MS5.0		MLR	01 29 43.2 +2.3
TIZ	comp=Z,2um,10.0s,MS5.0		MLR	01 29 43.2 +2.3
OPO	Ambohitratompo	30.43 173	P	01 29 48.0 +1.5
OPO	comp=Z,13nm,1.0s,mb4.6,baz=311,slow=11,SNR=3.2		P	01 29 48.0 +1.5
ONI	Oni	30.64 360	P	01 29 49.2 +1.1
ZEI	Tsey	30.83 1	eP	01 29 50.3 +0.5
ZEI			i-PP	01 29 54.7 +1.9
ZEI			pmax	01 29 54.7 +1.9
ZEI	comp=Z,11nm,0.9s,mb4.7		P	01 29 50.3 +0.5
ZEI	Tsey	30.83 1	eP	01 29 50.3 +0.5
LSZ	Lusaka	30.91 210	eP	01 29 50.0 -0.8
LSZ	Lusaka	30.91 210	eP	01 29 50.0 -0.8
SOC	Sochi	31.81 355	eP	01 29 56.4 -2.1
SOC			e	01 31 04.0
SOC			e	01 32 46.3
SOC			eSS	01 35 06.8 -0.7
SOC			eSS	01 36 54.0 -3.5
SOC			e	01 40 33.5
SOC	comp=N,12nm,0.7s		pmax	01 40 33.5
SOC	comp=E,10.0nm,0.7s		pmax	01 40 33.5
SOC	comp=Z,10.0nm,0.7s,mb4.8		pmax	01 40 33.5
SOC	comp=N,1um,11.0s,MS4.9		MLR	01 40 33.5
SOC	comp=E,625nm,11.0s,MS4.9		MLR	01 40 33.5
SOC	comp=Z,2um,11.0s,MS5.0		MLR	01 40 33.5
KIV	Kislovodsk	32.02 359	iP	01 30 01.1 +0.8
KIV			e	01 30 09.0
KIV			e	01 31 16.5
KIV			eSS	01 37 25.2 +2.2
KIV	comp=Z,33nm,1.0s,mb5.1		MLR	01 37 25.2 +2.2
KIV	comp=Z,500nm,12.0s,MS4.4		MLR	01 37 25.2 +2.2
GOF	Goifitskoye	33.12 359	iP	01 30 07.6 -2.2
GOF	comp=Z,50nm,1.3s,mb5.3		pmax	01 30 07.6 -2.2
SIM	Simferopol'	33.97 348	eP	01 30 19.1 +1.8
SIM	comp=Z,14nm,1.2s,mb4.8		MLR	01 30 19.1 +1.8
SIM	comp=Z,490nm,21.0s,MS4.2		MLR	01 30 19.1 +1.8
MATP	Matopo	35.29 205	LR	01 44 48.1
MATP	comp=Z,1um,18.0s,MS4.7,baz=242,slow=36		LR	01 44 48.1
NDI	New Delhi	35.63 57	eP	01 30 32.0 +0.4
MLR	Muntele Rosu	36.74 339	P	01 30 41.9 +1.1
MLR	comp=Z,6.8nm,0.9s,mb4.5,baz=133,slow=6.4,SNR=5.7		LR	01 48 07.6
MLR	comp=Z,382nm,18.8s,MS4.2,baz=274,slow=40		P	01 30 41.9 +1.1
MLR	Muntele Rosu	36.74 339	LR	01 48 07.6
KIS	Kishinev	37.18 343	eP	01 30 47.0 +2.5
KIS			e	01 31 12.0
VOR	Voronezh	39.94 356	eP	01 31 08.0 +0.4
VOR			ePP	01 31 15.0 +4.4
VOR			pmax	01 31 15.0 +4.4
TSUM	Tsumeb	40.04 220	LR	01 48 05.9
TSUM	comp=Z,791nm,18.3s,MS4.6,baz=201,slow=37		LR	01 48 05.9
AKASG	Malin Array Be	40.49 346	iP	01 31 11.6 -0.4
AKASG	comp=Z,7.0nm,0.9s		pmax	01 31 11.6 -0.4
AKASG	Malin Array Be	40.49 346	P	01 31 11.3 -0.7
AKASG	comp=Z,6.9nm,0.9s,mb4.4,baz=163,slow=6.9,SNR=24		PcP	01 31 11.3 -0.7
AKASG	comp=Z,0.3nm,0.4s,baz=168,slow=2.0,SNR=3.2		PcP	01 31 11.3 -0.7
LBTB	Lobatse	40.57 205	LR	01 46 46.2
LBTB	comp=Z,618nm,18.8s,MS4.5,baz=42,slow=34		P	01 31 12.1 -0.9
LBTB	Lobatse	40.57 205	eP	01 31 12.1 -0.9
AAK	Ala-Archa	40.81 361	eP	01 31 15.8 +1.0
AAK	comp=Z,6.0nm,1.0s,mb4.2		pmax	01 31 15.8 +1.0
AAK			MLR	01 31 15.8 +1.0
AAK	comp=Z,900nm,17.0s,MS4.7		P	01 31 14.6 -0.2
AAK	Ala-Archa	40.81 361	eP	01 31 14.6 -0.2
AAK	comp=Z,24nm,1.3s,mb4.7		P	01 31 17.7 +1.6
KOLS	Kolonichev	40.98 339	eP	01 31 17.7 +1.6
FRU	Bishkek	41.01 35	eP	01 31 16.0 -0.4
VISS	Visnje	41.71 330	eP	01 31 35.1 +1.3
YVHS	Vytne	41.93 335	eP	01 31 24.9 +0.1
ROBS	Robic	42.68 329	eP	01 31 46.5 +1.6
PGF	Pioggia	42.82 322	eP	01 31 29.0 -2.3
PGF	comp=Z,12nm,1.2s,mb4.2		P	01 31 29.0 -2.3
VRAC	Vranov	43.50 335	P	01 31 36.4 -0.3
VRAC	comp=Z,2.0nm,0.4s,mb4.2,baz=315,slow=23,SNR=5.2		P	01 31 36.4 -0.3
OBN	Obninsk	43.52 354	eP	01 31 36.7 -0.1
OBN			i	01 31 45.8
OBN			e	01 32 28.0
OBN			e	01 38 09.0 +3.8
OBN			e	01 41 39.4
OBN	comp=Z,20nm,1.4s,mb4.7		pmax	01 41 39.4
OBN	comp=Z,700nm,17.0s,MS4.6		MLR	01 41 39.4
BOSA	Boshof	45.91 203	P	01 31 41.0 +0.7
BOSA	comp=Z,12nm,1.1s,mb4.5,baz=297,slow=12,SNR=2.6		LR	01 50 37.8
MOS	Moscow	44.05 355	eP	01 31 41.4 +0.3
MOS			e	01 31 48.0
MOS			e	01 32 26.7
MOS			e	01 34 06.7
MOS			eS	01 38 16.2 +3.4
MOS	comp=Z,73nm,1.4s,mb5.2		pmax	01 38 16.2 +3.4
MOS	comp=N,37nm,0.7s		pmax	01 38 16.2 +3.4
MOS	comp=E,60nm,0.9s		pmax	01 38 16.2 +3.4
MOS	comp=Z,2um,21.4s,MS4.9		MLR	01 38 16.2 +3.4
GECZ	GERESS Array S	44.43 332	eP	01 31 43.6 -0.7
GECZ			pmax	01 31 43.6 -0.7

GECZ	GERESS Array S	44.43 332	eP	01 31 43.6 -0.7
GECZ	comp=Z,12nm,1.3s,mb4.5		P	01 31 43.6 -0.7
GERES	GERESS Array R	44.43 332	eP	01 31 43.6 -1.0
GERES	comp=Z,1.8nm,0.7s,mb3.9,baz=135,slow=7.5,SNR=22		LR	01 50 16.9
SBF	Sospel	44.52 323	eP	01 31 44.1 -0.9
KHC	Kasperske Hory	44.69 332	eP	01 31 45.5 -0.9
KSP	Ksiaz	44.80 336	eS	01 31 47.0 -0.3
KSP			eS	01 38 27.0 +3.2
FRU	La Foret Royal	44.82 322	eP	01 31 48.1 +0.6
PRU	Pruhonice	44.89 334	eP	01 31 47.1 -0.8
WET	Wetzell	45.02 322	eP	01 31 45.5 -0.9
SUW	Suwaki	45.07 343	eP	01 31 48.0 -1.3
MBDF	Montbardon	45.40 323	eP	01 31 52.0 -0.1
ETOS	Mallorca	45.42 315	P	01 31 56.1 +3.8
ETOS	comp=Z,1.2nm,1.0s,mb3.5		P	01 31 56.1 +3.8
ETOS	Mallorca	45.42 315	P	01 31 56.1 +3.8
SMRF	comp=Z,1.2nm,1.4s,mb3.5,SNR=7.9		P	01 31 53.9 -0.5
BRG	Berggiesshubel	45.80 334	eP	01 31 54.5 -0.7
BRG	comp=Z,15nm,1.7s,mb4.7		pmax	01 31 54.5 -0.7
BRG	Berggiesshubel	45.80 334	eP	01 31 54.5 -0.7
BRG	comp=Z,15nm,1.7s,mb4.7		pmax	01 31 54.5 -0.7
LPG	La Plagne	45.85 324	eP	01 31 55.8 +0.2
LPG	comp=Z,12nm,1.0s,mb4.5		P	01 31 55.8 +0.2
LPL	La Plagne	45.87 324	eP	01 31 55.7 -0.1
ARU	Arti	46.01 12	iP	01 31 57.0 +0.3
ARU			e	01 33 29.9
ARU			e	01 33 42.7
ARU			eS	01 38 42.6 +1.6
ARU	comp=Z,9.0nm,0.9s,mb4.7		MLR	01 38 42.6 +1.6
ARU	comp=Z,400nm,18.0s,MS4.4		MLR	01 38 42.6 +1.6
ARU	comp=N,200nm,20.0s,MS4.2		MLR	01 38 42.6 +1.6
ARU	comp=E,200nm,23.0s,MS4.2		MLR	01 38 42.6 +1.6
ARU	Arti	46.01 12	eP	01 31 56.4 -0.3
ORIF	Oris-on-Rattie	46.03 323	eP	01 31 56.2 -0.9
ORIF	comp=E,12nm,0.9s,mb4.5		P	01 31 56.2 -0.9
GRA1	Grafenberg Arr	46.18 331	eP	01 31 56.7 -1.4
GRA1	comp=Z,4.0nm,0.9s,mb4.3		P	01 31 56.7 -1.4
GRF	Grafenberg Arr	46.18 331	eP	01 31 56.7 -1.4
GRF	comp=Z,4.0nm,0.9s,mb4.3		pmax	01 31 56.7 -1.4
GRF	Grafenberg Arr	46.18 331	eP	01 31 56.7 -1.4
GRF	comp=Z,4.0nm,0.9s,mb4.3		pmax	01 31 56.7 -1.4
BRV	Boyroye Array	46.39 22	P	01 31 60.0 +0.2
BRV	comp=Z,6.0nm,0.8s,mb4.7,baz=217,slow=7.4,SNR=35		P	01 31 60.0 +0.2
CLL	Collin	46.52 334	eP	01 32 00.0 -0.9
CLL	comp=Z,11nm,1.0s,mb4.7		pmax	01 32 00.0 -0.9
CLL	Collin	46.52 334	P	01 32 00.0 -0.9
CLL	comp=Z,11nm,1.0s,mb4.7		pmax	01 32 00.0 -0.9
MOX	Moxa	46.66 332	eP	01 32 01.3 -0.6
MOX	comp=Z,9.0nm,1.4s,mb4.5		pmax	01 32 01.3 -0.6
MOX	Moxa	46.66 332	eP	01 32 01.3 -0.6
MOX	comp=Z,9.0nm,1.4s,mb4.5		pmax	01 32 01.3 -0.6
MOX	LASF	46.66 332	iP	01 32 01.4 -0.5
MOX	Ste Croix	46.80 321	eP	01 32 04.0 +0.8
MOX	comp=Z,16nm,1.1s,mb4.6		P	01 32 04.0 +0.8
SVE	Sverdlövsk	46.80 13	eP	01 32 03.0 0.0
SVE			eP	01 32 07.9 +1.9
SVE			eS	01 32 07.6
SVE			e	01 42 08.0
SVE			e	01 43 20.0
SVE	comp=Z,40nm,1.0s,mb5.3		MLR	01 43 20.0
SVE	comp=N,600nm,14.0s,MS4.8		MLR	01 43 20.0
SVE	comp=E,400nm,14.0s,MS4.8		MLR	01 43 20.0
SVE	comp=Z,1um,14.0s,MS4.9		MLR	01 43 20.0
CABF	La Chapelle	46.87 325	eP	01 32 04.0 +0.3
CABF	comp=Z,18nm,1.0s,mb4.6		P	01 32 04.0 +0.3
CHKZ	Chkalovo	46.98 22	eP	01 32 03.9 -0.6
CHKZ	comp=Z,4.2nm,0.7s,mb4.5		P	01 32 03.9 -0.6
EBEN	Beniara	47.12 312	P	01 32 10.1 +4.3
EBEN	comp=Z,9.4nm,0.8s,mb4.8,SNR=9.9		P	01 32 10.1 +4.3
HINF	Hinteralf	47.12 327	eP	01 32 06.9 +0.9
EMIR	Miracle	47.25 317	P	01 32 09.8 +3.0
EMIR	comp=Z,5.3nm,1.0s,mb4.4		P	01 32 09.8 +3.0
EMIR	Miracle	47.25 317	P	01 32 09.8 +3.0
EMIR	comp=Z,5.3nm,1.0s,mb4.4		P	01 32 09.8 +3.0
EPOB	Poblet	47.30 316	P	01 32 06.0 -1.2
EPOB	comp=Z,7.4nm,1.0s,mb4.6		P	01 32 06.0 -1.2
EPOB	Poblet	47.30 316	P	01 32 05.9 -1.3
EPOB	comp=Z,7.4nm,1.0s,mb4.6		P	01 32 05.9 -1.3
ERTA	Horta de San J	47.64 315	P	01 32 14.4 +4.6
ERTA	comp=Z,5.2nm,1.0s,mb4.5		P	01 32 14.4 +4.6
ERTA	Horta de San J	47.64 315	P	01 32 14.4 +4.6
ERTA	comp=Z,5.2nm,1.0s,mb4.5,SNR=6.9		P	01 32 14.4 +4.6
MKAR	Makanchi Array	47.75 36	P	01 32 1

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SNA4	Sanae	88.82	193	11	P	P	01	36	28.6	+2.1
SNA4							01	36	29.7	
SNA4							01	36	34.4	
VNA2	Neumayer-Watz	89.39	195	e	P	P	01	36	32.2	+3.0
VNA2	Neumayer-Watz	89.39	195	e	P	P	01	36	35.7	+6.5
VNA2	Neumayer-Watz	89.39	195	11	P	P	01	36	32.2	+2.1
VNA2							01	36	32.2	
VNA2							01	36	35.7	+3.2
VNA1	Neumayer-Stat	89.43	195	e	P	P	01	36	32.8	+3.4
VNA1	Neumayer-Stat	89.43	195	e	P	P	01	36	36.4	+7.0
VNA1	Neumayer-Stat	89.43	195	11	P	P	01	36	32.0	+2.6
VNA1							01	36	32.8	
VNA1							01	36	36.4	+3.7
BILL	Bilibino	90.61	18	i	P	P	01	36	36.5	+1.5
ASAR	comp=Z,4.0nm,1.2s,ms4.6						01	36	58.4	+2.0
ASAR	comp=Z,1.6nm,1.0s,ms4.4,baz=260,slow=3.9,SNR=5.0						02	10	58.9	
ASAR	comp=Z,7.4nm,21.8s,MS4.1,baz=278,slow=30						01	36	58.4	+2.0
ASAR	comp=Z,1.6nm,1.0s,ms4.4,baz=260,slow=3.9,SNR=5.0						02	10	58.9	
ILAR	Eielson Array	103.22	5	PP	PP	PP	01	41	48.4	-1.9
ILAR	comp=Z,0.8nm,0.9s,baz=345,slow=7.7,SNR=5.5						01	53	32.6	+2.0
YLAR	Yellowknife Arr	103.97	30	PP	PP	PP	01	41	46.8	-8.7
YLAR	comp=Z,0.5nm,0.8s,baz=195,slow=4.5,SNR=6.5						01	42	24.7	-1.6
PDAR	Pinedale Array	120.33	337	PKP	PKP	PKP	01	42	40.7	+1.0
PDAR	comp=Z,0.2nm,0.6s,slow=0.9,SNR=2.2						01	42	40.7	+1.0
NVAR	Mina Array Bea	127.19	342	PKP	PKP	PKP	01	42	40.7	+1.0
NVAR	comp=Z,1.7nm,1.1s,baz=114,slow=2.1,SNR=6.8						01	42	40.7	+1.0
NVAR	Mina Array Bea	127.19	342	PKP	PKP	PKP	01	42	40.7	+1.0
NVAR	comp=Z,0.9nm,1.0s,baz=125,slow=2.6,SNR=6.4						01	42	41.9	-0.2

IDC 30 01:24:38.7±0.6, 2.78N-95.45E, mb4.4/20, mb1 4.5/21, mb1mx4.4/28, mbtmp4.4/21, ML4.7/1, MS4.1/2, MS4.1/2, ms1mx3.4/27, Error ellipse: s-maj=24.8km s-min=12.7km az=42.0

MOS 30 01:24:41.8±1.0, 2.84N-95.53E, h33km, mb4.8/12, Error ellipse: s-maj=15.6km s-min=8.3km az=101.2

BUI 30 01:24:41.5, 2.80N-95.55E, h29km, mb5.0, mb5.0, Ms4.4, Ms24.3

NEIC 30 01:24:43.2±0.2, 2.81N-95.47E, h30km, mb4.8/11, Error ellipse: s-maj=7.0km s-min=4.7km az=217.0

ISC 30 01:24:40.8±0.4, 2.80N-95.05-95.49E, 0.05, h26km, h26km, 1.7km, p-P, N, O, #099, h5, mb4.6/50, MS4.3/8, 4C-3D, Off west coast of northern Sumatra

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
				h m s	ISC
KULM	Kulim	5.71	64	eP	01 29 07.0 +0.8
SNG	Songkhla	6.70	49	P	01 26 20.0 -0.2
KSM	Kuching	14.86	95	P	01 28 11.7 +0.4
KKTK	Khon Kaen	15.26	28	P	01 28 22.0 +5.6
PALK	Pallekele	15.38	287	P	01 28 16.8 -1.3
CM31	Chiang Mai Arr	15.92	12	eP	01 28 25.4 +0.4
CMAR	Chiang Mai Arr	15.92	12	Pn	01 28 23.7 -1.2
NANT	Nan	16.70	17	P	01 28 36.0 +1.2
TRD	Trivandrum	19.29	288	eP	01 29 00.7 -6.0
TRD					01 33 06.7 +2.9
KKM	Kota Kinabalu	20.91	80	P	01 29 23.6 -0.4
QIZ	Qiongzong	21.38	40	P	01 29 28.0 -0.7
QIZ					
QIZ	comp=N,522nm,15.5s				
QIZ	comp=Z,369nm,16.4s,MS3.9				
HYB	Hyderabad	22.08	312	eP	01 29 44.0 +8.3
HYB	Hyderabad	22.08	312	iP	01 29 44.0 +8.3
SHL	Shillong	22.90	352	eP	01 29 42.0 -1.8
KMI	Kumming	23.26	17	P	01 29 50.0 +2.6
KMI					01 29 55.8
KMI	comp=Z,2.1nm,0.9s,mb4.6				
KMI	comp=N,625nm,13.4s,MS4.3				
KMI	comp=E,302nm,13.8s,MS4.3				
KMI					
GYA	Guizang	25.85	21	eP	01 30 12.5 +0.3
GYA					
GYA	comp=Z,2.0nm,1.1s,mb4.6				
GYA	comp=Z,100nm,5.6s				
GYA	comp=N,430nm,15.0s,MS4.2				
GYA	comp=E,210nm,13.2s,MS4.2				
GYA					
JIRN	Jiri	26.27	341	eP	01 30 17.2 +1.2
PKI	Pulchoki	26.45	340	eP	01 30 19.0 +1.3
DMN	Daman	26.59	339	eP	01 30 20.4 +1.4
GUN	Gumba	26.60	341	eP	01 30 19.0 -0.1
GUN	comp=Z,7.2nm,0.8s,ms5.2				
KKN	Kakani	26.69	340	eP	01 30 20.9 +1.0
LSA	Lhasa	27.07	352	eP	01 30 25.3 +2.0
LSA	Lhasa	27.07	352	P	01 30 24.6 +1.3
LSA					
LSA	comp=Z,2.4nm,0.7s,mb4.8				
GKN	Gorkha	27.12	339	eP	01 30 24.3 +0.5
KOLN	Koldanda	27.30	337	eP	01 30 25.0 -0.5
CD2	Chengdu	29.03	15	eP	01 30 39.0 -2.0
ENH	Enshi	30.36	24	eP	01 30 51.4 -1.5
XAN	Xitan	33.51	20	P	01 31 19.5 -0.9
XAN					
LZH	Lanzhou	34.01	12	iP	01 31 24.0 -0.7
LZH					01 31 31.8 -0.7
LZH					01 31 35.0 -0.8
LZH	comp=Z,28nm,1.0s,ms5.2				
LZH	comp=Z,117nm,4.0s				
LZH	comp=N,694nm,13.2s				
LZH					
FITZ	Fitzroy Crossi	36.24	126	P	01 31 43.4 -0.6
GTA	Gaotai	36.65	6	P	01 31 46.8 -0.4
GTA					01 31 54.5 -0.4
GTA					01 31 57.8 -0.4
JOW	Kunigami	39.45	50	P	01 32 11.1 +0.3
HHC	Hu-ho-hao-te	40.56	19	iP	01 32 20.8 +1.1
HHC					01 32 30.0 +2.4
HHC					01 32 36.5 +5.7
HHC	comp=Z,1.9nm,1.2s,mb4.6				
HHC	comp=Z,1.68nm,6.2s				
WMQ	Urumqi	41.42	351	iP	01 32 25.3 -1.5
WMQ					
WMQ	comp=Z,14nm,0.7s,mb4.7				
WMQ	comp=Z,69nm,5.0s				
WMQ	comp=N,508nm,20.4s,MS4.5				
WMQ	comp=E,374nm,21.8s,MS4.5				
WMQ	comp=Z,2.345nm,19.0s,MS4.2				

DHMR 30 01:35:07.8±0.6, 11.88N-43.52E, h6km, 44km, ML3.5, 5D,

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
				h m s	ISC
TRBA	At Turbah	1.46	23	iP	01 35 35.2 +0.5
TRBA					01 35 55.8 +2.2
TRBA					01 35 56.6
UDYN	Al-Udayn	2.12	12	iP	01 35 45.0 +0.9
UDYN					01 36 14.5 +3.5
UDYN					01 36 22.4
UDYN	Al-Udayn	2.12	12	iP	01 35 45.0 +0.9
UDYN					01 36 14.5 +3.5
LBOB	Dhamar BB	2.60	40	iP	01 35 52.9 +1.9
LBOB					01 36 28.1 +4.9
DHBB	Dhamar BB	2.80	17	iP	01 35 56.1 +2.2
BDHA	Al Bayda'	2.88	44	iP	01 35 57.3 +2.2
BDHA					01 36 35.8 +5.4
BDHA					01 36 41.1
BDHA	comp=N,214nm,0.3s				

IDC 30 01:50:31.7±1.2, 1.86N-96.49E, mb3.9/8, mb1 4.1/9, mb1mx3.9/19, mbtmp3.9/19, MS3.6/1, MS1 3.6/1, ms1mx2.9/26, Error ellipse: s-maj=70.4km s-min=18.0km az=52.0

NEIC 30 01:50:36.9±0.6, 1.96N-96.73E, h30km, mb4.2/2, Error ellipse: s-maj=16.1km s-min=9.3km az=54.0

ISC 30 01:50:35.0±0.7, 2.0N-0.1-96.7E, 0.1, h30km, n17, #084/16, mb4.0/10, MS3.6/1, Off west coast of northern Sumatra

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
				h m s	ISC
KULM	Kulim	5.14	50	eP	01 51 51.8 -0.2

2005 APR

BJT	Baijitiatau	41.52	24	eP	P	01	32	28.8	+1.2	
BJT							01	32	29.5	+1.7
BJT	Beijing	41.54	24	eP	P	01	32	36.0	+0.3	
BJT							01	32	36.0	+0.3
WRA	Warramunga Arr	44.33	122	P	P	01	32	50.9	0.0	
WRA	comp=Z,4.1nm,0.9s,mb5.1						01	32	50.9	0.0
WRAB	Tennant Creek	44.33	122	eP	P	01	32	50.6	-0.3	
WRAB	comp=Z,5.3nm,0.5s,mb4.5,baz=300,slow=9.1,SNR=29						01	32	50.6	-0.3
WRAB	Tennant Creek	44.33	122	eP	P	01	32	50.6	-0.3	
WRAB	comp=Z,1.6nm,1.0s,mb4.7						01	32	50.6	-0.3
WB2	Warramunga Arr	44.34	122	eP	P	01	32	50.8	-0.1	
WB2	comp=Z,2.3nm,0.6s,mb4.5,baz=150,slow=8.9,SNR=106						01	32	58.9	+0.6
FORF	Forrest	45.59	140	eP	P	01	33	02.1	+1.3	
FORF	comp=Z,4.86nm,0.6s						01	33	01.9	0.0
ASPA	Alice Springs	45.72	127	eP	P	01	33	02.1	+0.2	
ASPA	comp=Z,3.0nm,0.6s,mb4.4,baz=298,slow=8.0,SNR=29						01	34	40.2	+0.2
ASAR	Alice Springs	45.72	127	eP	P	01	33	03.6	+0.7	
ASAR	comp=Z,1.6nm,0.7s,baz=306,slow=8.0,SNR=6.6						01	33	03.6	+0.7
KKAR	Karatay Array	45.88	334	iP	P	01	33	03.6	+0.7	
KKAR							01	33	03.6	+0.7
ULN	Ulanbaatar	45.98	11	eP	P	01	33	03.2	-0.5	
ULN	comp=Z,2.0nm,0.5s,mb4.3						01	33	03.2	-0.5
ULN	Ulanbaatar	45.98	11	eP	P	01	33	03.2	-0.5	
ULN	comp=Z,5.0nm,0.8s,mb4.5						01	33	17.3	-1.2
ZAK	Zakamensk	47.86	7	eP	P	01	33	25.0	+0.1	
ZAK	comp=Z,5.0nm,0.9s,mb4.5						01	33	25.0	+0.1
CN2	Changchun	48.29	29	eP	P	01	33	24.5	-2.0	
CN2	comp=Z,2.00nm,11.0s,									







Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like BOD, FITZ, SVE, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like DAVOX, PGF, CDF, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like DAWY, INK, DOT, etc.

DHMR 30 04:23:00.5-0.7, 11.87N, 43.56E, h11km, g8km, ML3.9, 7C, Ethiopia

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

BUI 30 04:25:58.9, 65.71N, 137.89W, h4km, mB4.8, mb4.7, Ms4.5, Ms2.1

MOS 30 04:25:59.0-0.7, 65.68N, 137.19W, h10km, ms0.0/27, Error ellipse: s-maj=28.3km s-min=7.3km az=89.1

NEIC 30 04:26:03.0, 65.61N, 137.02W, h20km, mB4.8/132, m1.4, B(AE/C), MW4.5(P/C), After P/C.

ISC 30 04:25:59.6-0.1, 65.82N, 137.21W, h21W, 0.0, 4, h10km, (h15km, 2.1km, p-P), n31, c0895/345, mB4.7/178, MS3.8, 12, 46C-8D, Northern Yukon Territory

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

DHMR 30 04:14:54.7, 1.4, 11.73N, 43.59E, h8km, 17km, ML4.4, 2C-3D, Ethiopia

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

IDC 30 04:16:11.2, 0.8, 65.58N, 137.05W, mb3.8/3, mb1 3.8/6, s-maj=11.6km s-min=8.6km az=179.0

NEIC 30 04:16:12.0, 65.53N, 136.97W, h1km, ML3.2(P/C), ML3.2(AE/C), After P/C.

PGC 30 04:16:11.8, 65.53N, 136.97W, h1km, ML3.2/4, Wernecke Mountains, Yukon Territory, Northern Yukon Territory

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

30x 4h

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like PAX Paxson, COLA College, CCB Clear Creek, etc.

2005 APR

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like PDAR Pinedale Array, ELK Elk, HWUT Hardware Ranch, etc.

1050

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like NVS comp=N.15nm,1.8s, SOMM Songino Array, etc.

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

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like KIV, EGES, SOC, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like WRA, WB2, ASAR, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like VACH, LCO, CPCH, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like SPX, ECXB, RDX, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like AAK, MKAR, PMG, etc.

Station information for IDC 30 04:54:17.6, 37.52N-21.74E, h22km, MD3.7(ATH), After ML3.7

Station information for CSEM 30 04:54:18.7, 37.55N-21.89E, h2km, MD3.7, Error ellipse: s-maj=3.3km s-min=1.9km az=75.0

Station information for ITC 30 04:54:22.8, 37.61N-22.02E, h25km, ML3.8

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like Code, Station Name, Azimuth, etc.

Station information for IDC 30 04:32:34.4, 2.1066Sx123.57E, mb3.5/1, mb1 3.6/3, mb1mx3.5/13, mbtmp3.4/3, ML3.1/2, Error ellipse: s-maj=201.5km s-min=32.5km az=52.0, Timor region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like WRA, WB2, ASAR, etc.

Station information for GUC 30 04:35:16.3, 0.9, 28.22Sx70.62W, h58km, 10km, ML3.5, IC-2D, Central Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like VACH, LCO, CPCH, etc.

Station information for ECX 30 04:43:35.0, 5.0, 30.16Nx114.75W, h7km, MD3.8, ML3.9, IC-2D, Gulf of California

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like SPX, ECXB, RDX, etc.

Station information for IDC 30 04:54:09.3, 1.1, 94.9N-96.61E, mb4.1/11, mb1 4.3/12, mb1mx4.1/21, mbtmp4.2/12, ML4.5/1, MS3.1/1, MS1 3.3/1, ms1mx2.7/20, Error ellipse: s-maj=59.6km s-min=15.0km az=49.0

Station information for NEIC 30 04:45:14.0, 0.4, 1.97N-96.70E, h30km, mb4.3/2, Error ellipse: s-maj=12.1km s-min=6.3km az=57.0

Station information for IDC 30 04:45:12.6, 0.7, 1.99N, 0.09-96.7E, 0.1, h33km, m19, c0584/19, mb4.2/13, Off west coast of northern Sumatara

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like TRBA, UDYN, LBOS, etc.



Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like UDYN Al' Udayn, LBOS, DHBB Dhamar BB, etc.

DHMR 30 05:43.06.0.1.6, 11.95N, 43.81E, h12km, gkm, ML3.6, 4C-4D, Ethiopia

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TRBA At Turbah, UDYN Al' Udayn, LBOS, etc.

PGC 30 05:57.38.8.65.58N, 137.137W, h1km, ML2.8/4, Ogilvie Mountains, Yukon Territory, Northern Yukon Territory

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like DAWY Dawson, INK Inuvik, Haines Junctio, etc.

KNET 30 05:58.43.9.0.6, 41.44N, 75.79E, h10km, 3km, ml2.2, Error ellipse: s-maj=4.0km s-min=3.2km az=146.0

NNC 30 05:58.44.1.60.0.41, 25N, 75.64E, h6km, 289km, mpv2.6, Error ellipse: s-maj=918.8km s-min=413.5km az=56.0

ISC 30 05:58.43.3.1.6, 41.33N, 0.08-75.93E, h10km, n11, s150Z, 10.2, 12C-9D, Kyrgyzstan

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KZA Kyzart, ULHL Ulahol, UCH Uchtor, etc.

IDC 30 06:12.51.8.2.2, 16.53S, 178.57W, mb4.0/5, mb1 4.3/5, mb1mx4.0/15, mbtmdp4/5, Error ellipse: s-maj=128.1km s-min=25.1km az=145.0, Fiji Islands region

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

NEIC 30 06:25:37.0.60.59N, 150.77W, h40km, mb4.0/5, ML4.1(PMR), ML3.8(AEIC), After AEIC.

NEIC Felt [III] at Seward and Sterling; [II] at Lowell Point and Soldotna.

IDC 30 06:25:38.8.2.8, 60.81N, 150.77W, h74km, 23km, mb3.6/13, mb1 3.8/17, mb1mx3.7/25, mbtmdp3.9/17, MSJ3.0, M51 3.0/6, ms1mx2.8/26, Error ellipse: s-maj=22.5km s-min=13.0km az=57.0

ISC 30 06:25:35.5.0.2, 60.81N, 0.02-150.74W, 0.04, h61km, 3km, n9.6, s1900/101, mb3.9/18, 1D, Kanto Peninsula

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

Table with columns: SLKM Skliak Lake, VOGEL Vogel Lake, FIB Fire Island, etc. Includes station names and coordinates.

ILAR 5.0nm, 0.3s, baz=212, slow=20, SNR=5.5

Table with columns: CTGM Chitina Glacie, INK Indian Mountain, PNL Peninsula, etc.

ILAR 0.4nm, 0.3s, baz=165, slow=19, SNR=6.3

Table with columns: DLBC Dlab, DLBC Dlab, DLBC Dlab, etc.

ILAR 0.4nm, 0.3s, baz=232, slow=16, SNR=2.1

Table with columns: INK Inuvik, DLBC Dease Lake, DLBC Dease Lake, etc.

ILAR 0.3nm, 0.3s, baz=70, slow=1.3, SNR=4.7

Table with columns: INK Inuvik, DLBC Dease Lake, DLBC Dease Lake, etc.

ILAR 0.4nm, 0.3s, baz=212, slow=20, SNR=5.5

Table with columns: CTGM Chitina Glacie, INK Indian Mountain, PNL Peninsula, etc.

BJI 30 06:35:13.4.36.78N, 70.71E, h107km, mb4.9, mb4.7, NEIC 30 06:35:13.2.3.36.36N, 71.01E, h10km, 20km, mb4.2/7, Error ellipse: s-maj=18.4km s-min=17.8km az=207.0

NNC 30 06:35:16.2.2.4.36.65N, 70.73E, h13km, 22km, mpv4.5, Error ellipse: s-maj=28.9km s-min=17.8km az=135.0

ISC 30 06:35:11.8.0.5, 36.31N, 0.03-71.10E, 0.06, h120km, 6km, n76, s1902/84, mb4.0/20, 7C-2D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like CEP Cherat, CHCP Chirah Chowk, THW Thame Wali, etc.

comp=N, 310nm, 0.6s

Table with columns: KSH Karayzar Array, THN Thein Dam, THN Thein Dam, etc.

comp=E, 18nm, 0.5s, baz=193, slow=22, SNR=11

comp=E, 148nm, 0.5s

comp=E, 2.1nm, 0.4s

comp=N, 2.27nm, 0.5s

comp=N, 2.27nm, 0.5s

comp=N, 2.25nm, 1.4s

comp=N, 210nm, 1.7s

comp=N, 7.2m, 0.7s, baz=218, slow=5.4, SNR=57

comp=N, 2.2nm, 0.3s, baz=233, slow=4.4, SNR=36

comp=N, 12nm, 0.3s

comp=N, 22nm, 0.3s

comp=N, 31nm, 0.5s

comp=N, 31nm, 0.6s

comp=N, 1.0nm, 0.9s

comp=N, 1.4nm, 0.3s, baz=167, slow=10, SNR=13

comp=N, 2.2nm, 0.7s

comp=N, 2.0nm, 0.7s

comp=N, 2.0nm, 0.7s

comp=N, 2.0nm, 0.7s

comp=N, 2.0nm, 0.7s

comp=N, 2.0nm, 0.7s

comp=N, 2.0nm, 0.7s

comp=N, 2.0nm, 0.7s

comp=N, 2.0nm, 0.7s

comp=N, 2.0nm, 0.7s

comp=N, 2.0nm, 0.7s

comp=N, 2.0nm, 0.7s

comp=N, 2.0nm, 0.7s

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comp=N, 2.0nm, 0.7s

comp=N, 2.0nm, 0.7s

comp=N, 2.0nm, 0.7s

comp=N, 2.0nm, 0.7s

comp=N, 2.0nm, 0.7s

comp=N, 2.0nm, 0.7s

comp=N, 2.0nm, 0.7s

comp=N, 2.0nm, 0.7s

comp=N, 2.0nm, 0.7s

comp=N, 2.0nm, 0.7s

comp=N, 2.0nm, 0.7s

comp=N, 2.0nm, 0.7s

comp=N, 2.0nm, 0.7s

comp=N, 2.0nm, 0.7s

comp=N, 2.0nm, 0.7s

comp=N, 2.0nm, 0.7s

comp=N, 2.0nm, 0.7s

IDC 30 06:27:08.2.10.0, 5.06S, -101.32E, mb3.3/3, mb1 3.4/3, mb1mx3.9/16, mbtmdp3.3/3, Error ellipse: s-maj=51.79km s-min=29.6km az=51.0, Southwest of Sumatara

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

ILAR 0.4nm, 0.3s, baz=212, slow=20, SNR=5.5

Table with columns: CTGM Chitina Glacie, INK Indian Mountain, PNL Peninsula, etc.

30d 8h

Table with station names, frequencies, and technical details for the 30d 8h band. Includes stations like IMA Indian Mountain, INK Inuvik, FITZ Fitzroy Cross, etc.

NEIC 30 06:38:02.1, 33.91Sx72.10W, h8km, ML3.0(GUC), After GUC.

GUC 30 06:38:02.1, 0.9, 33.91Sx72.10W, h8km, 11km, MD3.9, ML3.0, 4C-7D, Off coast of central Chile

Main table for NEIC and GUC stations, listing station names, frequencies, and technical details. Includes stations like LNV Longovilo, LCH Las Cruces, TACH Talagante, etc.

NEIC 30 06:56:41.8, 0.6, 33.90Sx72.08W, h36km, MD3.5(GUC), After GUC.

GUC 30 06:56:41.8, 0.6, 33.90Sx72.08W, h36km, 2km, MD3.5, ML2.4, 5C-7D, Off coast of central Chile

Main table for NEIC and GUC stations, listing station names, frequencies, and technical details. Includes stations like LNV Longovilo, LCH Las Cruces, TACH Talagante, etc.

IDC 30 07:18:14.6, 3.6, 17.10Sx174.20W, mb3.7/3, mb1 4.1/3, ms1mx3.2/29, Error ellipse: s-maj=197.4km s-min=33.8km az=146.0, Tonga Islands

Main table for IDC stations, listing station names, frequencies, and technical details. Includes stations like DZM Mont Dzumac, CTAR Charters Tower, ASAR Alice Springs, etc.

WEL 30 07:55:38.3, 0.3, 40.99Sx172.89E, h193km, 2km, ML3.6/6, 9C, Error ellipse: s-maj=2.8km s-min=2.4km az=0.0, Off west coast of South Island

Main table for WEL stations, listing station names, frequencies, and technical details. Includes stations like QRZ Quartz Range, NHZ Nelson, THZ Tophouse, etc.

2005 APR

Table of station data for the 2005 APR period, listing station names, frequencies, and technical details. Includes stations like TUWZ Tuamarina, TUWZ Blackbirch Sta, TCW Tory Channel, etc.

ZUR 30 08:10:00.2, 4.4, 67N-9.40E, h2km, ML3.3/7

ROM 30 08:10:25.1, 0.3, 44.69N-9.32E, h9km, 3km, MD3.2/18, M3.5/6, Error ellipse: s-maj=2.9km s-min=2.2km az=135.0

CSEM 30 08:10:25.6, 0.1, 44.67N-9.47E, h6km, ML3.6/30, Error ellipse: s-maj=1.2km s-min=1.0km az=9.0

NEIC 30 08:10:26.2, 4.4, 72N-9.39E, h1km, ML3.6(STR), ML3.6(LDG), ML3.4(SZGRF), ML3.3(GEN), ML3.2(FUR), After GEN.

GEN 30 08:10:26.2, 4.4, 72N-9.39E, h1km, ML3.3

STR 30 08:10:27.0, 0.6, 44.67N-9.39E, h1km, 1km, M3.6, Error ellipse: s-maj=0.6km s-min=0.6km az=171.0

LDG 30 08:10:25.8, 0.3, 44.68N-9.01-9.34E, 0.01, h8km, 2km, n175, s1916/260, 12C-8D, Northern Italy

Main table for NEIC and GUC stations, listing station names, frequencies, and technical details. Includes stations like BOB Bobbio (Coli), GENL Genova Univers, CODM CODM, etc.

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Main table for NEIC and GUC stations, listing station names, frequencies, and technical details. Includes stations like PZZ Prazzo, TOUF Mont Tournerai, FENESTRE Fenestrelle, etc.











Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes stations like YKWB, SCHQ, DAWY, RKT, INK, SPU, MCK, ILAR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes stations like TRBA, UDYN, LBOS, DHBH, BDHA, etc.

Table with columns: AAK, Station Name, Azimuth, Phase ID, Time, Res, and various station details. Includes stations like AAK, KBK, SMLA, UHLH, CHMS, etc.













30d 14h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WNVZ Wahianoa, PWZ Pawanui, etc.

NEIC 30 13:32:03.0, 3.1, 3.14S, 139.49E, h53km, 31km, mb4.0/1, Error ellipse: s-maj=29.1km s-min=19.0km az=108.0, IDC 30 13:32:05.5, 3.3, 3.4S, 139.51E, h81km, 32km, mb3.3/3, mb1 3.8/6, mb1mx3.6/13, mbtmp3.9/6, Error ellipse: s-maj=27.0km s-min=12.6km az=108.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PMG Port Moresby, KAKA Kakadu, etc.

IDC 30 13:36:32.1, 2.7, 0.97N, 97.37E, mb3.9/4, mb1 4.1/5, mb1mx3.7/20, mbtmp3.9/5, ML3.9/1, MS3.7/1, Ms1 3.9/1, ms1mx3.5/21, Error ellipse: s-maj=113.5km s-min=25.9km az=58.0, Northern Sumatara

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, CMAR Comp=2.17nm, etc.

JMA 30 13:42:12.7, 0.1, 27.34N, 130.41E, h80km, M3.3, IDC 30 13:42:18.4, 0.9, 27.07N, 130.21E, h93km, 6km, mb3.7/8, mb1 3.8/8, mb1mx3.5/22, mbtmp3.9/6, Error ellipse: s-maj=29.7km s-min=13.8km az=63.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JZK Kikaishima, JAM Amami Oshima, etc.

2005 APR

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MKAR 0.4nm, 0.5s, baz=144, slow=7.6, SNR=9.3, ZAL Zalem, etc.

IDC 30 14:09:53.7, 3.5, 1.33N, 97.42E, mb3.6/3, mb1 3.7/4, mb1mx3.5/19, mbtmp3.5/4, ML3.7/1, MS3.4/2, Ms1 3.5/2, ms1mx3.2/23, Error ellipse: s-maj=137.8km s-min=27.9km az=58.0, Northern Sumatara

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, CMAR comp=2.83nm, etc.

MDD 30 14:22:39.4, 4.9, 3.277N, 6.72W, mbLg2,4/3, Error ellipse: s-maj=65.6km s-min=44.9km az=89.0, PRXIMO CSEM 30 14:22:40.6, 0.5, 32.81N, 6.74W, h10km, mb3.9/3, Error ellipse: s-maj=14.6km s-min=9.5km az=83.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AVE Averroes, EGRO El Granado, EGRO 0.4nm, etc.

IDC 30 14:25:24.1, 1.6, 10.04S, 124.35E, mb3.9/1, mb1 4.0/4, mb1mx3.7/15, mbtmp3.4/8, ML3.5/3, Error ellipse: s-maj=112.4km s-min=26.1km az=63.0, Timor region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FITZ Fitzroy Crossi, FITZ 0.2nm, etc.

IDC 30 14:37:33.6, 0.9, 18.11S, 168.26E, mb4.2/10, mb1 4.3/11, mb1mx4.3/15, mbtmp4.2/11, ML3.8/1, MS3.3/3, Ms1 3.3/3, ms1mx3.0/24, Error ellipse: s-maj=34.5km s-min=19.1km az=135.0

LDG 30 14:37:36.7, 0.2, 17.98S, 167.65E, h10km, Mb4.3/1, Error ellipse: s-maj=29.1km s-min=13.4km az=99.0, NEIC 30 14:37:39.7, 4.9, 18.26S, 168.12E, h37km, 5km, mb4.5/1, Error ellipse: s-maj=16.5km s-min=11.9km az=85.0

IDC 30 14:37:39.7, 0.9, 18.13S, 0.05, 168.0E, 0.1, h33km, n75, s1920/24, mb4.2/10, MS3.5/1, 21C, Vanuatu Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, DZM 0.2nm, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MDJ Mudanjiang, CMAR Chiang Mai Arr, etc.

DJA 30 14:39:45.2, 1.0, 8.56S, 114.06E, h124km, 6km, MD5.0/3, ML4.7/1, 2C-5D, Error ellipse: s-maj=41.3km s-min=17.9km az=8.0, Bali region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SRDI Scrawled, SRDI 1.1m, etc.

BJI 30 14:45:05.7, 4.7, 37N, 94.55E, h50km, mb4.6, mb4.7, Ms5.3, Ms4.4, MOS 30 14:45:12.1, 1.2, 5.21N, 94.33E, h33km, mb5.0/13, Error ellipse: s-maj=19.7km s-min=9.4km az=103.7

IDC 30 14:45:16.0, 0.7, 5.35N, 94.50E, h50km, 5km, mb4.2/12, mb1 4.3/13, mb1mx4.1/22, mbtmp4.5/13, Error ellipse: s-maj=31.3km s-min=12.4km az=52.0

NEIC 30 14:45:15.5, 0.3, 5.18N, 94.36E, mb4.6/10, Error ellipse: s-maj=11.3km s-min=6.2km az=50.0

IDC 30 14:45:13.5, 0.5, 5.23N, 0.07, 94.41E, 0.08, h47km, h47km, 3.0km, pp, n74, s1914/63, mb4.7/38, MS4.2/1, 2C, Northern Sumatara

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BNI Bardonecchia, SGMF Saint Gilles, etc.

KULM Kulim, KULM 6.22 89, Op, P, 14 46 44.5 -0.5, CM31 Chiang Mai Arr, 13.87 18, eS, S, 14 48 31.7 +2.2

CMAR Chiang Mai Arr, 13.87 18, P, 14 48 29.9 +0.4, JIRN Jiri, 0.3s, mb4.9, 23.64 342, eP, P, 14 50 20.4 -1.0

PKI Pulchok, 23.81 340, eP, P, 14 50 22.6 -0.5, DMN Damnan, 23.95 339, eP, P, 14 50 23.6 -0.9

GUN Gunung, 30nm, 0.8s, mb4.8, 23.97 341, eP, P, 14 50 23.3 -1.4, KKN Kakani, 37nm, 0.6s, mb5.0, 24.06 340, eP, P, 14 50 24.3 -1.2

KAN Kakan, 40nm, 0.9s, mb4.8, 24.06 340, eP, P, 14 50 27.0 +0.6, GYA Gyuayang, comp=2.20nm, 0.9s, mb4.5, 24.48 339, eP, P, 14 50 29.3 -0.3

LKN Gorkha, comp=3.32nm, 0.5s, mb5.0, 24.53 353, eP, P, 14 50 31.8 +1.6, LSA Lhasa, 24.53 353, eP, P, 14 50 31.7 +1.5

LSA Lhasa, comp=Z, 1.3nm, 0.5s, mb4.7, 24.53 353, eP, P, 14 50 31.7 +1.6, LSA Lhasa, comp=Z, 1.3nm, 0.5s, mb4.7, 24.53 353, eP, P, 14 50 31.7 +1.6

KOLN Koldanda, 24.66 337, eP, P, 14 50 31.7 +0.3, SBAO Sabao, comp=Z, 2.2nm, 0.6s, mb5.1, 31.68 23, P, 14 51 32.3 -2.6

XAN Xi'an, 31.68 23, P, 14 51 32.3 -2.6, XAN Xi'an, comp=Z, 1.7nm, 0.6s, mb5.0, 31.68 23, P, 14 51 32.3 -2.6









30d 15h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Columbia Colle, Earthquake Lak, Minna Array Bea, etc.

TAP 30 14:48:53.8, 24.07N, 121.66E, h7km, ML4.7, Taiwan

TAP 30 14:49:03.7, 24.06N, 121.54E, h10km, ML4.7, Taiwan

TAP 30 14:49:54.4, 24.09N, 121.63E, h10km, ML3.8, Taiwan

TAP 30 14:50:26.4, 24.04N, 121.60E, h6km, ML3.9, TC, Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Chiawan, Hualien, Shoufeng Towns, etc.

TAP 30 14:50:45.6, 24.02N, 121.60E, h8km, ML3.7, Taiwan

TAP 30 14:59:04.4, 24.04N, 121.61E, h11km, ML2.6, Taiwan

NIED 30 14:59:00, 23.90N, 121.50E, h8km, Mw4.2 Best double couple...

TAP 30 14:59:19.4, 24.06N, 121.62E, h7km, ML4.4

TAP Felt IV J at Chiawan, III J at Hualien, II J at Shilin, II J at Hehuanshan, II J at Nanau, I J at Nanshan, I J at Tachien, I J at Nioudou.

JMA 30 14:59:19.4, 0.3, 23.90N, 121.53E, h30km, M3.9

NEIC 30 14:59:20.4, 2.6, 23.99N, 121.76E, h18km, mb3.9, ML4.6/1, ML4.4(TAP), Error ellipse: s-maj=8.6km s-min=7.3km az=57.0

NEIC Recorded [4 TAP] in Hua-lien; [2 TAP] in Han and Nan-tou; [1 TAP] in Tai-chung Counties.

IDC 30 14:59:23.1, 4.2, 23.99N, 121.80E, h38km, mb3.6/15, mb1.3/17, mb1.0mx3.8/24, mbtmp3.8/12, ML3.5/2, Error ellipse: s-maj=20.9km s-min=13.2km az=69.0

ISC 30 14:59:19.7, 0.2, 24.01N, 0.01, 121.70E, 0.01, h7km, n100, r19/152, mb3.8/16, 11C-2D, Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Hualien, Chiawan, Shoufeng Towns, etc.

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Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Jichi Village, Nanau, Hehuan Shan, etc.

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YKA Yellowknife Arr 82.95 23 P P 15 11 44.0 -2.3
GERES GERES Array B 83.28 32.0 P P 15 11 46.6 -1.7

CSEM 30 15:06:09.2, 12.05N, 43.41E, h13km, ML3.5, After DHMR
DHMR 30 15:06:06.1, 0.5, 11.87N, 43.51E, h4km, 3km, ML3.5, 3C-1D, ETHIOP

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like At Turbah, Udayn, Dhamar BB, etc.

TAP 30 15:07:12.3, 24.03N, 121.63E, h10km, ML2.1, Taiwan

NIED 30 15:07:00, 23.90N, 121.50E, h17km, Mw4.1 Best double couple...

BUI 30 15:07:35.4, 23.70N, 121.53E, h11km, mb4.1, ML4.3

NEIC 30 15:07:37.5, 1.3, 24.01N, 121.72E, h12km, mb4.4/6, ML4.4(TAP), Error ellipse: s-maj=10.9km s-min=10.0km az=171.0

NEIC Recorded [4 TAP] in Hua-lien; [2 TAP] in Han and Nan-tou; [1 TAP] in Tai-chung Counties.

JMA 30 15:07:37.5, 0.3, 23.88N, 121.50E, h53km, M3.7

TAP Felt IV J at Hualien, IV J at Chiawan, III J at Shilin, II J at Hehuanshan, II J at Nanau, I J at Nanshan, I J at Tachien, I J at Nioudou.

IDC 30 15:07:42.3, 3.4, 24.02N, 121.79E, h49km, 34km, mb3.5/10, mb1.3/7, mb1.0mx3.8/22, mbtmp3.8/12, ML3.5/2, Error ellipse: s-maj=22.4km s-min=16.8km az=69.0

ISC 30 15:07:37.4, 0.3, 24.00N, 0.01, 121.71E, 0.02, h2km, 2km, n101, r19/155, mb4.0/16, 13C-2D, Taiwan

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

Table with columns: CHNS, WJ, 1.52 245 eP, Pn, 15 08 05.5 -0.1, S, Sb, 15 10 51.3 +1.2, HFS Hagfors, 8.78 352 Pn, P, 15 35 12.9 -2.4

TAP 30 15:10:11.7, 24.02N, 121.62E, h8km, ML3.8, 5C-3D,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, HWA Hwalien, 0.06 198 i/P, P, 15 10 13.4 +0.1

Table with columns: CHY, Ta-ch'eng, 1.23 263 eP, S, Sb, 15 10 35.0 +0.1, WCTC, 1.23 263 eP, S, Sb, 15 10 52.5 +1.7

IGQ 30 15:22:46.5, 1.16S, 80.25W, h9km, 5km, mb4.0, 4C-5D, Error ellipse: s-maj=3.5km s-min=2.8km az=150.2, Near coast of Ecuador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, JAMA Jama, 0.89 3 P, P, 15 23 04.4 +0.7

NEIC 30 15:33:05.7, 0.9, 51.49N, 16.34E, h5km, ML3.0(VIE), Error ellipse: s-maj=14.7km s-min=7.8km az=79.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, KSP Ksiaz, 0.65 173 i/P, P, 15 33 19.4 +2.2

ISC 30 15:33:04.2, 0.6, 51.49N, 16.13E, h1km, ML2.4, Mining Induced

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, KSP Ksiaz, 0.65 173 i/P, P, 15 33 19.4 +2.2

Table with columns: HFS Hagfors, 8.78 352 Pn, P, 15 35 12.9 -2.4, NOA NORSAR Array B, 9.96 346 Pn, P, 15 35 29.8 -1.7

TAP 30 15:37:33.5, 24.03N, 121.63E, h8km, ML3.9, 10C-5D,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, HWA Hwalien, 0.06 203 i/P, P, 15 37 35.5 +0.2





30d 19h

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like Chiang Mai Arr, Gaotai, Asahikawa, Makanchi Array, Zalesovo, Warramunga Arr, Chkalovo, Alice Springs, FINESS Array B, NORSAR Array B, Yellowknife Ar, YKA.

JMA 30 17:50:20.9, 0.3, 24.07N, 121.49E, h79km
TAP 30 17:50:21.1, 24.03N, 121.60E, h10km, ML3.6
TAP Fell II J at Hualien, I J at Chiawan, I J at Shilin, I J at Hehuanshan, I J at Nanau.

Main table for 30d 19h section with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists numerous stations including Hualien, Chiawan, Shoufeng Towns, Jichi Village, Hehuan Shan, Nanau, Nan Shan, Tachien, Hungye, Suao, Nioudou, Sun Moon Lake, Sanguang, Yuli, Yuchr, Yu-Shan, Nanjuang, Liyuan, Mingjian, Taichung, Sanyi, Chengkung, Alishan, Mucha, Tsauling, Lidau, Hsinchu, Santiao Chiao, Taipei, Taifu, Wu-fen Shan, National Centr, Gukung, Kuangyinsinshan, Tsauyuan, Tsauhsan, Minshiang, Ta-pu, Chiayi, Chenhua, Yonaguni jima, Ta-ch'eng, Pinlang, Hsinying, Nanshi, Jiashian, Yiju, Taimali, Sandimen, Jiali, Shoushan, Jiouru, Anshuo, Iriomote-Funau, Fangliu, Hateruma jima, Dungi, Penghu, Kuro-shima, Ishigaki jima, Tarama.

NEIC 30 17:52:46.6, 0.31, 09S, 67.61W, h150km, MD3.7(GUC), After GUC.
GUC 30 17:52:46.6, 0.31, 09S, 67.61W, h150km, MD3.7, ML4.2, San Juan Province.

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Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like Jahuel, Farellones, Cerro Calan, Los Chugos, Pirique, Papudo, El Canelo, Cipreses.

TAP 30 18:00:50.1, 24.00N, 121.60E, h11km, ML2.7, Taiwan

NEIC 30 18:01:16.7, 0.5, 24.00N, 121.67E, h10km, mb4.1/3, Error ellipse: s-maj=12.8km s-min=7.6km az=69.0
TAP 30 18:01:17.2, 24.04N, 121.60E, h9km, ML4.2
TAP Fell III J at Chiawan, II J at Hualien, II J at Shilin, II J at Hehuanshan, II J at Nanau, I J at Nanshan, I J at Tachien, I J at Nioudou.

JMA 30 18:01:17.7, 0.7, 23.85N, 121.56E, h74km, M3.2
IDC 30 18:01:21.4, 3.7, 24.00N, 121.75E, h45km, 38M, mb3.3/8, mb1.3, 5.9, mb1mx3.4/2.1, mbtmp3.6/9, ML3.3, Error ellipse: s-maj=27.8km s-min=17.7km az=63.0
BUI 30 18:01:27.1, 24.75N, 120.99E, h170km, MB4.3, mb4.5, ML4.0, Ms3.8, Ms2.5

Main table for 2005 APR section with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists numerous stations including Hualien, Chiawan, Ninganchiao, Shoufeng Towns, Heping Village, Shilin, Jichi Village, Nanau, Hehuan Shan, Nan Shan, Tachien, Suao, Hungye, Nioudou, Neicheng, Yeheng, Sanguang, Sun Moon Lake, Ilian, Yuchr, Yu-Shan, Nanjuang, Liyuan, Mingjian, WNT, Sanyi, Taichung, Mucha, Alishan, Chengkung, Santiao Chiao, Taipei, Hsinchu, Tsauling, National Centr, Gukung, Kuangyinsinshan, Tsauyuan, Tsauhsan, Minshiang, Chenhua, Yonaguni jima, Ta-ch'eng, Pinlang, Hsinying, Nanshi, Jiashian, Yiju, Taimali, Sandimen, Jiali, Shoushan, Jiouru, Anshuo, Iriomote-Funau, Fangliu, Hateruma jima, Dungi, Penghu, Kuro-shima, Ishigaki jima, Tarama.

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Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like Hengchuen, Pin, Ishigaki jima, Tarama, Quanzhou, Kinmen, Kunigami, Nanjing, Zalesovo, Warramunga Arr, Chkalovo, Alice Springs, FINESS Array B, NORSAR Array B, Yellowknife Ar, YKA.

TAP 30 18:00:50.1, 24.00N, 121.60E, h11km, ML2.7, Taiwan

NEIC 30 18:01:16.7, 0.5, 24.00N, 121.67E, h10km, mb4.1/3, Error ellipse: s-maj=12.8km s-min=7.6km az=69.0
TAP 30 18:01:17.2, 24.04N, 121.60E, h9km, ML4.2
TAP Fell III J at Chiawan, II J at Hualien, II J at Shilin, II J at Hehuanshan, II J at Nanau, I J at Nanshan, I J at Tachien, I J at Nioudou.

JMA 30 18:01:17.7, 0.7, 23.85N, 121.56E, h74km, M3.2
IDC 30 18:01:21.4, 3.7, 24.00N, 121.75E, h45km, 38M, mb3.3/8, mb1.3, 5.9, mb1mx3.4/2.1, mbtmp3.6/9, ML3.3, Error ellipse: s-maj=27.8km s-min=17.7km az=63.0
BUI 30 18:01:27.1, 24.75N, 120.99E, h170km, MB4.3, mb4.5, ML4.0, Ms3.8, Ms2.5

Main table for 1072 section with columns: Code, Station Name, Az, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists numerous stations including Hualien, Chiawan, Ninganchiao, Shoufeng Towns, Heping Village, Shilin, Jichi Village, Nanau, Hehuan Shan, Nan Shan, Tachien, Suao, Hungye, Nioudou, Neicheng, Yeheng, Sanguang, Sun Moon Lake, Ilian, Yuchr, Yu-Shan, Nanjuang, Liyuan, Mingjian, WNT, Sanyi, Taichung, Mucha, Alishan, Chengkung, Santiao Chiao, Taipei, Hsinchu, Tsauling, National Centr, Gukung, Kuangyinsinshan, Tsauyuan, Tsauhsan, Minshiang, Chenhua, Yonaguni jima, Ta-ch'eng, Pinlang, Hsinying, Nanshi, Jiashian, Yiju, Taimali, Sandimen, Jiali, Shoushan, Jiouru, Anshuo, Iriomote-Funau, Fangliu, Hateruma jima, Dungi, Penghu, Kuro-shima, Ishigaki jima, Tarama.



ISC 30 19:00:39.0,4.0,2.39,12N,0.02,-19.92E,0.02,h10km,n129,  
c153/176,mb3.9/9,MS2.6/1,7C-14D,Greece-Albania  
border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Lists stations like IGT Igoumenitsa, KEK Kerkira, KEK Kerkira, etc.

Table with columns: KBA, KBA, MOA, MOA, WTTA, WTTA, WATA, WATA, SOTA, SOTA, DAVOX, DAVOX, etc. Lists stations like KBA Koenlbrenspers, MOA Mollin, WTTA Wattenberg, etc.

NEIC 30 19:09:19.4,2.6, 18.89S, 178.10W, h617km, 30km,  
mb3.9/12, Error ellipse: s-maj=17.7km s-min=14.1km  
az=48.0

ISC 30 19:09:21.9,2.0, 18.89S, 178.20W, h646km, 26km,  
mb3.2/12, mb1 3.5/14, mb1mx3.4/20, mbtm3.4/21/4, Error  
ellipse: s-maj=22.2km s-min=10.7km az=161.0

ISC 30 19:09:20.3, 1.8, 19.05S, 0.1, 178.22W, 0.09, h642km, 23km,  
c15, c991/136, mb3.7/22, 1C-1D, Fiji islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Lists stations like DZM Mont Dzumac, URZ Urewera, CTA Charters Tower, etc.

Table with columns: BRTR, BRTR, CLL, CLL, BRG, BRG, PRU, PRU, KHC, KHC, GERES, GERES, DAVOX, DAVOX, etc. Lists stations like BRTR Keskin Array B, CLL Colim, BRG Berggiesshubel, etc.

CSEM 30 19:13:31.6,0.1, 11.66N, 43.39E, h2km, mb4.8/1, Error  
ellipse: s-maj=1.1km s-min=2.9km az=138.0

DHMR 30 19:13:33.0, 1.2, 11.72N, 43.45E, h15km, 14km, ML4.8  
IDC 30 19:13:35.5, 4.5, 11.58N, 43.26E, mb3.9/8, mb1 4.1/8,  
mb1mx3.8/19, mbtm3.9/8, MS3.4/5, Ms1 3.4/5,  
ms1mx3.1/21, Error ellipse: s-maj=103.6km s-min=28.2km  
az=28.0

NEIC 30 19:13:36.1, 0.7, 11.41N, 43.18E, h10km, mb4.1/5, Error  
ellipse: s-maj=19.7km s-min=11.3km az=110.0

ISC 30 19:13:32.9, 0.7, 11.57N, 0.05, 43.48E, 0.06, h10km, n40,  
c1943/44, mb4.0/11, MS3.3/4, 7C, Ethiopia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Lists stations like TRBA At Turbah, TRBA Traba, TRBA Traba, etc.

30d 19h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like Yuli, Yuchr, Yu-Shan, Nanjuang, Liyutan, etc.

2005 APR

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like HWA, TWD, NACB, NACB, etc.

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like KINMEN, KUNIGAMI, NANJING, etc.





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30d 23h

ISC 30 23:55:32.1-3.0,36.9N-0.2-70.3E:0.2,h209km,25km,n10,  
 r0543/12,3C-2D,Hindu Kush region

Code	Station Name	$\Delta^\circ$	AZ $^\circ$	Op	Phase ID	ISC	Time	Res
							h m s	ISC
KK31	Karatay Array	6.18	2	↑P		P	23 57 02.8	+0.3
	3.1nm,0.3s,baz=171,slow=11,SNR=34							
KK31				↓S		S	23 58 12.3	-0.7
	2.5nm,0.3s,baz=189,slow=24,SNR=4.7							
AAK	Ala-Archa	6.57	28	↓P		P	23 57 07.3	-0.2
	3.0nm,0.4s							
AAK				↑S		S	23 58 22.6	+0.6
	21nm,0.6s							
KBK	Karagaybulak	6.77	31	P		P	23 57 10.3	+0.1
	SNR=6.1							
CHMS	Chumysh	6.98	28	P		P	23 57 12.6	-0.2
	SNR=5.5							
USP	Ospenovka	7.12	26	P		P	23 57 14.9	+0.1
	SNR=7.8							
TKM2	Tokmak 2	7.26	33	P		P	23 57 16.4	-0.1
	SNR=6.1							
MK31	Makanchi Array	13.31	38	↑P		P	23 58 34.2	+0.2
	0.9nm,0.5s,baz=215,slow=11,SNR=13							
MKAR	Makanchi Array	13.31	38	P		P	23 58 33.5	-0.5
	0.4nm,0.3s,baz=220,slow=14,SNR=16							
BVAR	Borovoye Array	16.11	0	P		P	23 59 09.2	+0.8
	0.2nm,0.3s,baz=179,slow=9.7,SNR=5.4							
ZAL	Zalesovo	19.77	26	P		P	23 59 47.2	-0.4
	2.2nm,0.3s,baz=246,slow=5.7,SNR=7.3							

# ISC Computed Locations for April 2005

