

## ACKNOWLEDGEMENTS

The Centre gratefully acknowledges the financial support of the following agencies:

### MEMBERS

The National Science Foundation of the United States.  
(Grant No. EAR-0128053).  
The Royal Society of London.  
The Geological Survey of Canada, Dept. of Natural Resources.  
The University of Bergen, Norway.  
National Defence Research Establishment, Sweden.  
The Royal Netherlands Meteorological Institute.  
The Seismological Institute, National Observatory of Athens, Greece.  
Russian Academy of Sciences.  
Institute of Geological and Nuclear Sciences Ltd., New Zealand.  
Geological Survey of Denmark and Greenland (GEUS)  
India Meteorological Department.  
Geophysical Institute of Israel.  
The Institute for Meteorology, Portugal.  
The Swiss Academy of Sciences.  
GeoForschungsZentrum Potsdam, Germany.  
The Japan Meteorological Agency.  
Institut National des Sciences de l'Univers, France.  
Geoscience Australia.  
Bundesanstalt für Geowissenschaften und Rohstoffe, Germany.  
Consiglio Nazionale delle Ricerche, Italy.  
The University of Helsinki, Finland.  
Academy of Sciences of the Czech Republic.  
Bundesministerium für Wissenschaft und Forschung, Austria.  
The Hungarian Academy of Sciences.  
Council for Geoscience, South Africa.  
Instituto Geográfico Nacional, Spain.  
The Icelandic Meteorological Office.

China Earthquake Administration.  
NTNF/NORSAR, Norway.  
Dublin Institute for Advanced Studies, Ireland.  
Environmental Agency of Slovenia.  
Observatoire Royal de Belgique.  
Natural Resources Authority, Jordan.  
Incorporated Research Institutions for Seismology, U.S.A.  
University of Tehrān, Iran.  
Institute of Geophysics, National University of Mexico.  
National Earthquake Information Center, U.S. Geological Survey, U.S.A.  
Nuclear Information Centre, Atomic Energy Organisation of Iran.  
Geological Survey Department, Cyprus.  
National Institute for Earth Physics, Romania.  
Istituto Nazionale di Geofisica e Vulcanologia, Italy.  
Instituto Nacional de Prevencion Sismica, Argentina.  
Seismology Research Centre, Australia.  
Korea Institute of Geoscience and Mineral Resources.  
British Geological Survey, U.K.  
University of Texas at Austin, U.S.A.  
LDG, Bruyeres-le-Chatel, France.  
Kuwait Institute for Scientific Research.  
California Institute of Technology, U.S.A.  
Korea Meteorological Administration  
CRAAG, Algeria  
Institute of Earth Sciences, Academia Sinica, Chinese Taipei  
Kandilli Observatory and Earthquake Research Institute, Turkey  
NRIAG, Cairo, Egypt  
Polish Academy of Sciences

### ASSOCIATE MEMBERS

Munich Reinsurance Company.

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

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Pipers Lane, Thatcham, Berkshire, RG19 4NS, United Kingdom**

Printed in Wales by Cambrian Printers, Aberystwyth

## 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, o15/2/1, mb4.4/9, 1C, South of Fiji Islands

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

### Epicentral Estimates

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

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

Error Ellipses - The keywords have been shortened.

### Observational Data

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

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

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

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

Station magnitude estimate - computed by the ISC.

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







Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Las Cruces, Peidehue, Rinconada Maip, Ovalle, Cerro Calan, Talagante, Antupam, Farellones, Pirque, Longovigo, Chadas Angostu, Tololo Astrono, Las Meiosas, El Camelo, Cipreses, San Fernando.

IDC 01 01:09:09.9.3.1.21.85S.169.87E, mb4.0/5, mb1 4.1/5, mb1mx3.4/16, ML3.1/1, Error ellipse: s-maj=100.0km s-min=44.4km az=151.0

NEIC 01 01:09:10.9.2.4.21.99S.169.94E, h10km, mb4.4/1, Error ellipse: s-maj=75.7km s-min=13.6km az=200.0

ISC 01 01:09:10.0.5.2.21.85S.170.0E, h10km, mb3.7km, n16, o0564/13, mb3.9/5, MS3.3/1, 2C-1D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Mont Dzumac, Port Laguerre, Urewera, Stephens Creek, Alice Springs, Waramunga Arr, Fitzroy Crossi, Fitzroy Crossi, Neumayer Olymp, Neumayer-Watz, Neumayer-Stat, Collim, Kasperke Huy, GERES Array B.

IDC 01 01:43:19.0.4.6.3.0.04N.79.72E, mb3.4/3, mb1 3.7/4, mb1mx3.4/16, ML3.1/1, Error ellipse: s-maj=144.0km s-min=29.4km az=69.0

ISC 01 01:43:20.1.1.3.3.002N.0.08.78.9E, h11, h33km, n7, o1544/10, mb3.4/3, Northern India

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Joshimath, Lohaghat, Kalpa, Makanochi Array, Chiang Mai Arr, Zalesovo, Warramunga Arr.

NDI 01 01:43:45.8.1.2.3.0.37N.78.85E, h3km, 7km, MD3.1, ML3.1 ISC 01 01:43:44.7.1.7.3.003N.0.07.79.0E, h1, h3km, n9, o095/14, Northern India

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Dehra Dun, Simla, New Delhi, Aya Nagar, Sohra, Kundal, Agrha, Khetri, Bhopal, Chiang Mai Arr, Chiang Mai Arr, Chiang Mai Arr.

HLW 01 01:45:59.8.23.80N.35.21E, h3km, Mb4.2

SNSN 01 01:46:03.7.24.13N.35.39E, M12.8 ISC 01 01:45:58.2.0.6.23.78N.0.04.35.25E, h0.05, h3km, n27, o064/31, 19C-2D, Egypt

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Hagol, Bi' Shalalayn, Mersa Alam, HADB, HQSR, Abu Hadid, HEDF, AKRL, Umm Lajj, North Marawa, HSFQ, Jabal Masmas, QEN, HHRG, HKFR, KBRIS, HSHM, ZEIT, TR1, AYUS, TBKS, TAVS, TAVS, HSAT, ASUT, GRS, Jabar al Moall.

NEIC 01 02:12:50.5.7.28N.81.01W, MD4.1(CASC), After CASC. CASC 01 02:12:50.2.5.7.29N.81.00W, MD4.2, Panama

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Azuero, Azuero, Petroterminal, Altos, David, Univ. de Panam, Volcan, Changuinola, Urasca, La Lucha 2, La Lucha 3, Volcan Irazu, Puriscal.

IDC 01 02:25:27.8.1.4.24.13N.141.41E, mb3.6/3, mb1 3.9/3, mb1mx3.6/18, Error ellipse: s-maj=59.4km s-min=31.2km az=92.0, Volcano Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Warramunga Arr, Makanochi Array, Yellowknife Arr.

IDC 01 02:30:06.6.4.3.8.49S.156.47E, mb3.7/3, mb1 3.9/3, mb1mx3.7/12, MS2.2/3, MS1 3.2/3, mb1mx3.0/19, Error ellipse: s-maj=126.0km s-min=39.4km az=117.0, Bougainville - Solomon Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Port Moresby, Warramunga Arr, Alice Springs, Fitzroy Crossi, Makanochi Array.

MAN 01 02:40:19.9.16.81N.120.32E, h58km, mb4.2, ML3.0, MS2.7, Luzon

LDG 01 02:54:15.0.5.34.16N.89.09E, h10km, Mb4.7/17, MS2.6/1, Error ellipse: s-maj=20.2km s-min=5.8km az=145.0

NEIC 01 02:54:16.6.0.3.34.10N.89.32E, h10km, mb4.6/20, Error ellipse: s-maj=10.7km s-min=6.2km az=53.0, BUJ 01 02:54:17.6.34.27N.89.45E, h10km, mb4.8, mb4.1, Ms4.0, Ms3.8

MOS 01 02:54:18.4.0.9.34.11N.89.25E, h33km, mb4.6/17, Error ellipse: s-maj=15.8km s-min=7.3km az=113.3, IDC 01 02:54:20.2.4.7.34.08N.89.42E, h37km, mb4.0km, mb3.8/9, mb1 4.0/11, mb1mx3.9/18, ML2.9/1, MS3.2/5, Ms1 3.2/5, ms1mx3.0/21, Error ellipse: s-maj=28.6km s-min=15.7km az=53.0

ISC 01 02:54:15.8.2.3.34.07N.0.05.89.32E, h0.07, h18km, 17km, n78, o064/277, mb4.3/31, MS3.1/4, Xizang

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Lhasa, Lhasa, Gumbao, Kakan, Gorkha, Pulchoki, Daman, Koldanda, Shillong, Makanochi Array, Makanochi Array, GY, GY, Chiang Mai Arr, Chiang Mai Arr, Chiang Mai Arr.

ULN Ulaanbaatar 19.15 39 eP P 02 58 41.3 +0.6

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Ulaanbaatar, ZAK, ZAL, NVS, VOSK, BVAR, BRVK, CHKZ, OBN, ASF, EIL, FINES, MLR, NB2, NOA, GERES, KDCB, HINF, LPGA, LPL, LPL, SBF, SBF, MBDF, MBDF, ORIF, ORIF, LOR, SMF, SMF, SSF, SSF, AVF, TCF, TCF, CAF, CAF, FLN, RJF, RJF, SGFM, SGFM, ETSF, ETSF, WRA, WB2, ASAR, COLA, COLA, COLA, ILAR, MCK, MCK, INK, INK, INK, SML, YKA, CPUP.

GUC 01 03:05:56.9.0.7.28.74S.71.36W, h30km, 10km, MD3.6, ML2.8, 1D, Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Vallendar, La Serena, La Serena.





couple: M<sub>0</sub>1.04x10<sup>15</sup> NP1:φ<sub>0</sub>1°,δ79°,λ-94°. NP2:φ202°,δ12°,λ-69°
BUJ 01 06:49:03.3,31.82N,140.19E,h104km,mb4.7,mb4.5
JMA 01 06:49:04.1,0.2,32.21N-140.52E,h42km,ML4
NEIC 01 06:49:05.1,2.0,32.01N-140.34E,h66km,mb5,mb4.2/4,
Error ellipse: s-maj=23.7km s-min=15.1km az=101.0
ISC 01 06:49:02.2,1.0,32.17N,0.06,140.55E,0.07,h78km,7.7km,
n39,φ114/48,mb3.9/15,1C-1D,Southeast of Honshu

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like Mitsuho, Hachijo jima, KJCO, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like KAKA, WB2, WRA, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like IHA, LCH, PACH, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like YONAGUNI, IRIF, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like UREWERA, STKA, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like IXPACO, GCG, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like KAKADU, WB2, WRA, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like IHA, LCH, PACH, etc.

KEDI Ingas 1.23 3081 ePn S 08 30 13.8 -1.4
INGI Ingas 1.23 3081 ePn S 08 29 58.9 -0.6
INGI Ingas 1.23 3081 ePn S 08 30 17.0 -1.3
KELI Kelakatan 2.11 3101 ePn S 08 30 10.8 -0.5
KELI Kelakatan 2.11 3101 ePn S 08 30 36.2 -1.1

BUJ 01 08:31:09.9,40.06N,40.47E,h14km,mb5.3,Ms4.4, Ms2.1
ISK 01 08:31:12.6,39.94N,40.78E,h5km,MD3.8
NEIC 01 08:31:12.8,39.93N,40.78E,h5km,MD4.0(ISK),After ISK.

MOS 01 08:31:16.7,1.4,39.84N,40.40E,h10km,mb4.0/1, Error ellipse: s-maj=45.1km s-min=19.9km az=76.0
ISC 01 08:31:15.1,0.5,39.87N,0.04,40.85E,0.05,h5km,n27, φ152/36,1C,Turkey

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like ERZM, ERZM, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like ZEI, ZEI, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like KIV, KIV, etc.

NSSC 01 08:35:00.6,41.13N,42.53E,h42km
BUJ 01 08:35:18.5,40.40N,39.94E,h27km,mb5.0,mb4.8,Ms4.5, Ms2.3

ZUR\_RM 01 08:35:19.39N,40.78E,h15km,Mw4.9/17 Moment Tensor Solution, s17 Mw4.9 Moment Scale 1016Nm;
M<sub>0</sub>=0.24; M<sub>0</sub>-0.53; M<sub>0</sub>-0.77; M<sub>0</sub>-0.28; M<sub>0</sub>-2.48; M<sub>0</sub>-0.30;
Best double couple: M<sub>0</sub>2.59x10<sup>16</sup> NP1:φ277°,δ85°,λ174°.
NP2:φ8°,δ84°,λ5°. Principal axes: T,2.743,Plg8°.
Azms222°; N-299,Plg82°,Azms59°; P-2.444,Plg1°, Azm322°.

ISK 01 08:35:19.6,39.95N,40.80E,h5km
NEIC 01 08:35:19.9,39.93N,40.78E,h5km,mb4.7/13,ML4.6(ISK), After ISK.

MOS 01 08:35:21.5,1.5,39.96N,40.95E,h10km,mb4.6/16, Error ellipse: s-maj=6.4km s-min=5.1km az=103.8
ISC 01 08:35:21.0,1.0,39.96N,40.91E,h10km,mb4.0/15,mb1.4/2/19, Error ellipse: s-maj=15.1km s-min=10.1km az=9.0

ISC 01 08:35:20.8,0.2,39.94N,0.02,40.88E,0.02,h5km,n182, φ142/219,mb4.4/4.5,MS4.2/28,2C-8D,Turkey

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Includes stations like ERZM, ERZM, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like SOC, GAZ, KIV, YOZ, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like KHC, BRG, SFI, SOKR, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like TIXI, KMI, CMAR, etc.

NEIC 01 08:53:49.0, 0.9, 5.47S; 151.05E, h61km, mb4.6/4, Error ellipse: s-maj=23.4km s-min=7.6km az=119.0

Table with columns for Code, Station Name, Frequency, Mode, and Signal Strength. Includes stations like RAB, PMG, etc.

IDC 01 09:26:54.5, 8.4, 22.07S; 178.11W, h288km, mb3.1/4, s-min=29.4km az=156.0

Table with columns for Code, Station Name, Frequency, Mode, and Signal Strength. Includes stations like URZ, ASAR, etc.



NIED 01 09:49:00, 41.80N, 144.40E, h11km, Mw4.1 Best double couple: M<1.4x10<sup>15</sup> N1<sub>P</sub>255°, δ<sub>9</sub>=84°, λ<sub>84</sub>=NP2<sub>P</sub>66°, δ<sub>1</sub>=λ<sub>97</sub>.

ICD 01 09:49:18, 7.0, 6.4, 1.73N, 144.41E, mb4.0/15, mb1 4.2/17, mb1 mx4.2/22, ML3.0/22, MS3.2/2, Ms1 3.3/2, ms1 mx2.8/27, Error ellipse: s-maj=19.0km s-min=14.5km az=122.0

MOS 01 09:49:22, 0.9, 4.1, 77N, 144.31E, h34km, mb4.6/7, Error ellipse: s-maj=16.2km s-min=9.9km az=70.6

NEIC 01 09:49:24, 5.1, 2.4, 1.75N, 144.33E, h40km, mb4.1/10, Error ellipse: s-maj=9.7km s-min=5.7km az=139.0

ISC 01 09:49:21, 3.1, 1.7, 41.69N, 0.05, 144.45E, 0.07, h30km, 12km, n59, c088/64, mb4.1/25, MS3.3/2, 2C-1D, Hokkaido region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic events from various stations like Ermo, Churui, Onbets, etc.

comp=Z, 2.2nm, 1.0s, mb4.0
SCHO Schefferville 80.20 18 P P 10 01 29.8 +0.2
TXAR Lajitas Array 85.56 54 P P 10 01 58.8 -1.3

MEX 01 10:11:31, 1.1, 1.6, 96N, 95.40W, h108km, 10km, MD4.1
NEIC 01 10:11:32, 8, 17, 13N, 95.42W, h97km, MD4.1 (MEX), After MEX.

ICD 01 10:11:32, 3.8, 3.8, 17.24N, 95.14W, h104km, 52km, mb3.2/3, mb1 3.5/5, mb1 mx3.2/19, Error ellipse: s-maj=129.0km s-min=36.8km az=0.0

ISC 01 10:11:30, 0.0, 5.1, 17.05N, 0.05, 95.42W, 0.03, h102km, 5km, n21, c112/38, mb3.5/3, Oaxaca region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic events from stations like Matias Romero, Oaxaca, Vista Hermosa, etc.

NEIC 01 10:17:29, 5.2, 5.1, 59N, 16.17E, h5km, ML2.7 (VIE), Error ellipse: s-maj=23.2km s-min=9.4km az=215.0

IC, Poland
Code Station Name Δ° AZ° Phase ID Time Res ISC h m s ISC

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic events from stations like KSP, Upec, DPC, etc.

MEX 01 10:31:49, 0.4, 1.7, 30N, 95.67W, h94km, 8km, MD3.7
NEIC 01 10:31:49, 0.7, 2.8N, 95.67W, h95km, MD3.6 (MEX), After MEX.

ISC 01 10:31:48, 5.2, 7.1, 37.1N, 0.1, 95.66W, 0.03, h83km, 30km, n5, c033/10, Oaxaca region

ICD 01 10:35:03, 6.6, 1.1, 70N, 97.72E, mb3.7/5, mb1 3.9/5, mb1 mx3.8/15, Error ellipse: s-maj=34.0km s-min=22.0km az=54.0, Northern Sumatara

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic events from stations like Matias Romero, Oaxaca, Vista Hermosa, etc.

AS12 Alice Springs 42.39 261 eP P 10 45 43.1 +0.2
ASAR Alice Springs 42.39 261 P P 10 45 43.2 +0.3
WBR Warramunga Arr 42.76 266 eP P 10 45 45.5 -0.5

NEIC 01 10:45:18, 5, 38, 99S, 175.00E, h206km, After WEL.
WEL 01 10:45:19, 3.0, 4.3, 39.10S, 175.00E, h204km, 3km, ML3.5/5, 1D, Error ellipse: s-maj=5.8km s-min=3.8km az=90.0, North Island

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic events from stations like Wanganui, Black Stump Fm, Takapari Road, etc.

DJA 01 10:53:26, 8.1, 0.9, 42S, 114.11E, h15km, MD5.5/4, ML3.9/4, 3C-4D, Error ellipse: s-maj=21.4km s-min=13.6km az=39.0, South of Bali

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic events from stations like Ingas, Kelatikan, Rata, etc.

GUC 01 10:58:14, 1.0, 6.2, 28.47S, 71.13W, h74km, 5km, ML4.7
NEIC 01 10:58:14, 7.0, 8.2, 28.46S, 71.30W, h58km, 9km, mb4.6/2, Error ellipse: s-maj=21.6km s-min=6.5km az=96.0

NEIC Felt (III) at Freina and Huasco; (II) at Vallenar.
ICD 01 10:58:17, 3.8, 1.2, 28.37S, 71.49W, h80km, 61km, mb3.6/2, mb1 3.8/4, mb1 mx3.5/14, ML3.9/2, MS3.2/1, Ms1 3.1/1, ms1 mx2.6/14, Error ellipse: s-maj=77.3km s-min=34.4km az=43.0

ISC 01 10:58:13, 8.0, 8.2, 28.47S, 0.04, 71.2W, 0.2, h72km, 8km, n26, c097/30, mb4.2/4, 6C-3D, Near coast of central Chile

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic events from stations like Vallenar, Copiapo, La Serena, etc.

PTCH Petorca 3.79 176 / S P 10 59 53.5 -1.4
CPNI Centro Paranal 3.90 11 AMP P 10 59 52.5

RCDM Rinconada Maip 5.02 176 / P P 10 59 27.6 -0.6
RCDM Rinconada Maip 5.02 176 / P P 10 59 27.6 -0.6

VNA2 Neumayer-Watz 54.87 159 / I P 11 07 40.2 +1.6
GSPA South Pole Qui 61.75 180 eP P 11 08 27.8 +1.3

WRA Warramunga Arr 125.90 210 PKP PKPdf 11 17 10.0 +1.9
ZAL Zalesovo 149.20 28 PKPb PKPdf 11 17 55.3 +6.3

ICD 01 11:04:02, 2.1, 0.7, 79S, 128.57E, mb4.0/4, mb1 4.5/7, mb1 mx4.2/22, ML4.4/3, Error ellipse: s-maj=79.9km s-min=19.6km az=69.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic events from stations like Kakadu, etc.



1d 12h

Table of station data for the first 12 hours, including station names, coordinates, and various parameters like elevation and signal strength.

200 APR

Table of station data for the 200th day of the year (April), including station names, coordinates, and various parameters.

10

Table of station data for the 10th day of the month, including station names, coordinates, and various parameters.



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

NEIC 01 12:50:44.2, 16.13N-98.26W, h10km, MD3.7(MEX), After MEX

MEX 01 12:50:43.7-1.1, 16.09N-98.25W, h7km, 11km, MD3.8, 1D, Near coast of Guerrero

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

IDC 01 13:11:45.8-0.5, 2.01N-99.41E, mb4.2/14, mb1 4.4/15, mb1mx4.3/17, ML3.8/1, MS4.4/14, MS1 4.4/14, ms1mx4.3/19, Error ellipse: s-maj=34.7km s-min=13.6km az=50.0

MOS 01 13:11:50.2, 1.2, 2.22N-99.72E, h33km, mb5.0/4, Error ellipse: s-maj=36.5km s-min=13.1km az=111.5

DJA 01 13:11:51.0, 2.00N-99.00E, h20km, MB4.2, Error ellipse: s-maj=0.0km s-min=0.0km az=70.0

SYO 01 13:11:55.8, 1.97N-99.53E, h75km, MB4.5/9, NEIC 01 13:11:55.8, 1.9, 1.97N-99.53E, h75km, 16km, mb4.5/9, Error ellipse: s-maj=20.5km s-min=7.9km az=59.0

BUI 01 13:11:55.8, 2.00N-99.50E, h74km, mb5.0, mb4.5, Ms5.0, Ms2.8

ISC 01 13:11:49.0-0.4, 1.74N, 0.05-99.22E, 0.06, h33km, (h8km, 5.2km, pP-P), n79, i9/33/70, mb4.4/26, MS4.4/25, 7C-5D, Northern Sumatra

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

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

NEIC 01 13:37:48.8, 33.91N-88.59E, h10km, mb4.6, mb4.1, Ms4.1, IDC 01 13:37:54.7-0.9, 34.07N-89.24E, mb3.8/9, mb1 4.0/11, mb1mx3.9/16, ML3.3/1, MS3.4/2, Ms1 3.4/2, ms1mx3.0/21, Error ellipse: s-maj=43.2km s-min=16.0km az=57.0

NEIC 01 13:37:51.9, 0.5, 34.20N-89.19E, h10km, mb4.3/8, Error ellipse: s-maj=16.5km s-min=8.6km az=58.0

MOS 01 13:37:58.4, 1.1, 34.19N-88.85E, h33km, mb4.8/3, Error ellipse: s-maj=27.8km s-min=12.8km az=95.5

ISC 01 13:37:53.4-4.5, 34.06N, 0.07-89.2E, 0.1, h3km, 29km, n34, o594/31, mb4.0/13, MS3.4/2, Xizang

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

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

BUI 01 13:37:48.8, 33.91N-88.59E, h10km, mb4.6, mb4.1, Ms4.1, IDC 01 13:37:54.7-0.9, 34.07N-89.24E, mb3.8/9, mb1 4.0/11, mb1mx3.9/16, ML3.3/1, MS3.4/2, Ms1 3.4/2, ms1mx3.0/21, Error ellipse: s-maj=43.2km s-min=16.0km az=57.0

NEIC 01 13:37:51.9, 0.5, 34.20N-89.19E, h10km, mb4.3/8, Error ellipse: s-maj=16.5km s-min=8.6km az=58.0

MOS 01 13:37:58.4, 1.1, 34.19N-88.85E, h33km, mb4.8/3, Error ellipse: s-maj=27.8km s-min=12.8km az=95.5

ISC 01 13:37:53.4-4.5, 34.06N, 0.07-89.2E, 0.1, h3km, 29km, n34, o594/31, mb4.0/13, MS3.4/2, Xizang

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













Table with columns: LKD, Levkas, 0.68 192 ePg, Pg, 02 16 18.3 -0.8, etc.

IDC 02 02:45:14.0,0.8,5.09N,124.72E,mb4,1/7,mb1 4.2/7, mb1mx4,1/17, Error ellipse: s-maj=61.4km s-min=16.7km, az=71.0

NEIC 02 02:45:17.6,0.4,5.05N,124.65E,h25km,mb4,6/1, Error ellipse: s-maj=29.2km s-min=8.1km az=73.0

MAN 02 02:45:19.0,1.5,11.14N,124.21E,h14km,mb4,8,ML3,7,MS3,6 ISC 02 02:45:18.4,1.1,4.92N,10.06E,124.14E,0.06,h48km,11km, n21,-0.97/27,mb4,1/9,2C-3D,Celebes Sea

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

FUNV 02 03:02:40.6,6.54N,73.19W,h9km,MW3.0 IDC 02 03:02:45.4,7.0,6.70N,76.07W,h109km,75km,mb2,6/1, mb1 3.2/2,mb1mx2,9/17,ML2,9/1, Error ellipse: s-maj=120.0km s-min=35.2km az=77.0

ISC 02 03:02:43.9,6.0,6.80N,0.06E,72.93W,0.07,h176km,12km, n11,-0.70/14,mb4,9/1,1C-1D,Northern Colombia

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

NNC 02 03:08:46.4,1.8,44.58N,81.28E,h33km,mpv3,3,6C-4D, Error ellipse: s-maj=11.9km s-min=10.8km az=60.0, Northern Xinjiang

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

BUC 02 03:21:04.0,1.4,45.73N,26.67E,h142km,11km,MD4,0/3, Error ellipse: s-maj=9.8km s-min=7.1km az=316.0

NEIC 02 03:21:05.1,45.67N,26.66E,h133km,MD3,9(BUC),After BUC

ISC 02 03:21:03.3,1.6,45.70N,0.10E,26.7E,0.1,h145km,9km, n14,-0.64/22,4C-6D,Romania

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

Table with columns: VTS, Vitosh, 3.97 220 P, P, 03 22 09.0 +5.1, etc.

WEL 02 04:05:25.7,0.2,40.31S,174.17E,h88km,3km,ML3,5/5, SC, Error ellipse: s-maj=1.4km s-min=0.7km az=90.0, Cook Strait

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

OTT 02 04:31:30.6,1.2,78.43N,101.14W,h18km,ML3,2/2, 66km southeast from Isachsen, Nu Sverdrup Seismic Zone, Queen Elizabeth Islands

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

NEIC 02 04:40:39.3,18.36N,93.47W,h92km,MD4,1(MEX), After MEX

MEX 02 04:40:39.3,0.9,18.36N,93.47W,h92km,25km,MD4,1, 1C-1D, Bay of Campeche

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

IDC 02 05:06:11.5,4.2,2.55S,139.31E,mb3,4/3,mb1 3/7/4, mb1mx3,6/11,ML3,5/5, Error ellipse: s-maj=138.0km s-min=31.0km az=91.0

ISC 02 05:06:14.9,4.2,2.65S,0.1,138.8E,0.3,h21km,34km,n7, 0.67/2/10,mb3,3/2,Irian Jaya

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

SYO 02 05:19:12,7.67S,127.32E,h160km,MB4,6, Error ellipse: s-maj=9.6km s-min=5.7km az=64.0

IDC 02 05:19:12,0,1,7.70S,127.30E,h160km,MB4,8, Error ellipse: s-maj=13.0km s-min=7.6km az=139.0, ms1mx3,1/20, Error ellipse: s-maj=17.3km s-min=9.4km az=46.0

ISC 02 05:19:09.7,1.5,7.71S,0.05E,127.32E,0.08,h148km,15km, n102,-0.90/67,mb2,7/23,3C-5D,Banda Sea

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

Table with columns: WRA, Warramunga Arr, 13.94 151 P, P, 05 22 19.4 -2.5, etc.

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









Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Oaxaca, Huatulco, Acapulco, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Cannon Point, Wellington, Makara Radio, etc.

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

WAR 02:12:07:52.3, 0.506N, -18.42E, h1km, Location given by Central Institute of Mining, origin time based upon RAC

PRU 02:12:07:53.9, 0.504N, -18.34E

ISC 02:12:07:51.0, 0.6, 5.0, 13N, 0.04, -18.44E, 0.04, n10, 0.1, 13/18, 10, 10

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Raciboraz, Ostrava-Krasne, etc.

NEIC 02:12:09:46.7, 41.09S, -175.06E, h28km, ML3.7(WEL), After WEL

NEIC Fell in the Wellington area.

WEL 02:12:09:46.6, 0.1, 41.09S, -175.06E, h29km, ML3.7/3, 2C-9D, Error ellipse: s-maj=0.7km s-min=0.6km az=90.0, North Island

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Cannon Point, Orongorongo Tu, etc.

IDC 02:11:43:21.3, 1.9, 5.29S, -68.59E, mb3.8/6, mb1.4/0.6, mb1mx3.9/15, Error ellipse: s-maj=62.5km s-min=25.3km az=60.0

NEIC 02:11:43:22.8, 1.2, 5.35S, -68.66E, h10km, Error ellipse: s-maj=38.4km s-min=13.8km az=53.0

ISC 02:11:43:20.0, 2.4, 5.45, 0.3, -68.6E, 0.4, h10km, n13, 0.572/11, mb3.9/6, Chagos Archipelago region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Diego Garcia, Chiang Mai Arr, etc.

IDC 02:12:08:58.0, 1.9, 41.04S, -175.09E, mb4.2/3, mb1.4/3.5, mb1mx4.1/13, ML3.2/2, Error ellipse: s-maj=51.8km s-min=23.2km az=145.0

WEL 02:12:09:04.1, 0.0, 41.09S, -175.06E, h29km, ML4.5/6, Error ellipse: s-maj=0.4km s-min=0.3km az=90.0

NEIC 02:12:09:04.7, 41.14S, -175.08E, h25km, ML4.6(WEL), After WEL

NEIC Fell in the Wellington area.

ISC 02:12:09:02.4, 0.4, 41.24S, -0.03, -175.16E, 0.06, h49km, 3km, n5, 0.11/108, mb4.1/3, 5C-14D, North Island

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Orongorongo Tu, Cannon Point, etc.

IDC 02:12:02:25.2, 3, 4.96S, -175.02E, h32km, 8km, mb3.9/3, mb1.4/2.4, mb1mx3.9/12, ML3.7/1, MS3.1/3, MS1.3/1, 3/3, ms1mx2.8/17, Error ellipse: s-maj=58.6km s-min=37.9km az=165.0

WEL 02:12:02:23.0, 0.1, 41.09S, -175.05E, h30km, ML4.4/17, Error ellipse: s-maj=0.4km s-min=0.4km az=90.0

NEIC 02:12:02:31.4, 41.10S, -175.07E, h30km, ML4.6(WEL), After WEL

NEIC Fell in the Wellington area.

ISC 02:12:02:33.0, 3, 41.09S, -0.03, -175.04E, 0.04, h31km, 3km, h32km, 5km, pP, n50, 0.11/156, mb4.1/3, MS3.1/2, 6C-11D, North Island

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Cannon Point, Orongorongo Tu, etc.

IDC 02:12:03:51.8, 2.7, 4.0, 91S, -174.93E, mb3.7/2, mb1.3/8.4, mb1mx3.7/12, ML2.7/2, Error ellipse: s-maj=67.8km s-min=25.0km az=140.0

WEL 02:12:03:56.8, 0.1, 41.09S, -175.07E, h28km, ML3.9/10, Error ellipse: s-maj=0.6km s-min=0.6km az=0.0

NEIC 02:12:03:56.9, 41.09S, -175.06E, h28km, ML3.8(WEL), After WEL

NEIC Fell in the Wellington area.

ISC 02:12:03:56.6, 0.3, 41.08S, -0.03, -175.03E, 0.04, h28km, n43, 0.106/55, mb3.6/2, 4C-10D, North Island

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Cannon Point, Orongorongo Tu, etc.

IDC 02:12:03:56.8, 0.1, 41.09S, -175.07E, h28km, ML3.9/10, Error ellipse: s-maj=0.6km s-min=0.6km az=0.0

NEIC 02:12:03:56.9, 41.09S, -175.06E, h28km, ML3.8(WEL), After WEL

NEIC Fell in the Wellington area.

ISC 02:12:03:56.6, 0.3, 41.08S, -0.03, -175.03E, 0.04, h28km, n43, 0.106/55, mb3.6/2, 4C-10D, North Island

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like Cannon Point, Orongorongo Tu, etc.

AS12 Alice Springs 38.56 284 eP P 12 17 40.4 -3.6

ASAR Alice Springs 38.56 284 P 12 17 40.7 -3.3

ASAR 2.0mm, 0.5s, mb4.1, baz=121, slow=7.1, SNR=16

ASAR 3.8mm, 1.1s, baz=121, slow=6.7, SNR=3.8

ASAR comp=2.5, 1mm, 19.2s, MS2.4, baz=115, slow=34

WB2 Warramunga Arr 40.47 289 eP P 12 17 57.3 -3.2

WRA Warramunga Arr 40.43 289 P 12 17 57.6 -3.0

1.4mm, 0.6s, mb3.9, baz=126, slow=8.3, SNR=7.4



Table with 4 columns: Code, Station Name, Az, Phase ID, Time Res. Includes stations like TXAR, YKA, WRA.

BER 02 14:56:52.8, 4.0, 7.8, 24N, 8.78E, MD2.2, ML2.7, ML2.1 (NAO)

Table with 4 columns: Code, Station Name, Az, Phase ID, Time Res. Includes stations like KBS, SPAO, ARAO, ARAO.

BUI 02 15:41:21.9, 0.85x125.25E, h24km, mB5.6, Ms4.9, Ms2.4

HRVD 02 15:41:30.4, 0.2, 0.11S, 124.99E, h30km, MW5.6/68, Centroid moment Tensor Solution. LP body waves: s66, c135, Mantle waves: s67, c127; Half duration: 195

SYO 02 15:41:30.4, 0.015x124.93E, h25km, MB5.5, MS4.9, MOS 02 15:41:30.4, 1.1, 0.08N, 124.89E, h33km, mb5.8/32, MS4.7/14, Error ellipse: s-maj=17.2km s-min=5.9km

NEIC 02 15:41:30.4, 2.4, 0.01S, 124.93E, h25km, 16km, mb5.5/32, MS4.9/87, MW5.6, Error ellipse: s-maj=7.1km s-min=4.4km

ISC 02 15:41:28.9, 0.2, 0.10S, 124.93E, 124.93E, 0.04, h26km, mb5.8/30, P-P, n396, 1926/305, mb5.5/101, MS4.9/126, 49C-24D, Southern Molucca Sea

Main table on the left side of the page, listing station codes, names, and various parameters. Includes stations like GSPH, KCP, DAV, CTBH, ZMZH, etc.

Main table in the middle of the page, listing station codes, names, and various parameters. Includes stations like AS12, ASAR, ASAR, ASAR, TATO, etc.

Main table on the right side of the page, listing station codes, names, and various parameters. Includes stations like KS15, MAJO, MAJO, MAJO, MAJO, etc.

YSS	Yuzh-Sakhalins	49.39	16	eP	P	15 50 17.1	-1.4	
YSS	comp=N,5.0nm,0.4s,mb4.9							
YSS				LR	LR			
KLR	Kul'dur	50.94	6	eP	S	15 50 17.9	-1.3	
KLR	comp=E,538nm,21.0s,MS4.5	49.48		eS	P	15 57 15.5	-8.4	
KLR				MLR	MLR			
ULN	Ulanbaatar	50.24	344	eP	P	15 50 23.8	-1.2	
ULN	comp=E,56nm,1.0s,mb5.5				LR	LR		
LATR	Latur	50.94	294	eP	P	15 50 27.9	-2.8	
LATR	comp=E,698nm,22.0s,MS4.6	50.94		eP	P	15 50 27.9	-2.8	
BHPL	Bhopal	51.63	300	eP	P	15 50 34.5	-1.5	
BHPL	comp=E,76nm,1.2s,mb5.5			e	P	15 50 38.5		
DGAR	Diego Garcia	52.83	261	eP	P	15 50 43.1	-2.0	
KAD	Karad	52.85	292	eP	P	15 50 44.0	-3.1	
KAD	comp=E,35nm,1.1s			e	P	15 50 42.7		
POO	Poona	53.45	293	eP	P	15 50 47.1	-2.4	
POO	comp=E,56nm,1.0s			e	P	15 50 51.0		
ZAK	Zakamensk	53.57	343	eP	P	15 50 48.8	-1.3	
ZAK				e	P	15 51 56.1		
NDI	New Delhi	53.81	306	eP	P	15 50 49.0	-3.1	
NDI				eP	P	15 50 49.0		
NDI				eP	P	15 51 00.0	+0.2	
SMLA	Simla	54.86	309	iP	S	15 58 37.2	-0.4	
SMLA				iP	S	15 50 59.0	-0.8	
WMQ	Urumqi	54.89	328	iP	S	15 51 06.9	-0.8	
WMQ				AP	pP	15 51 09.5	-1.2	
WMQ				sP	pP	15 52 01.7	+0.1	
WMQ				PCP	pP	15 53 05.1	+0.9	
WMQ				PP	PPP	15 54 15.6	-1.1	
WMQ				PPP	PPP	15 55 55.3		
WMQ				PCS	S	15 55 57.8		
WMQ				S	S	15 58 36.1	-1.7	
WMQ				SCS	S	16 00 42.2	-1.6	
WMQ				AMB	AMB			
WMQ	comp=Z,70nm,1.2s,mb5.6				LR	LR		
WMQ	comp=N,1.1um,27.0s,MS4.9				LR	LR		
WMQ	comp=E,795nm,27.0s,MS4.9				LR	LR		
WMQ	comp=Z,1.1um,27.0s,MS4.8				LR	LR		
IRK	Irkutsk	54.97	345	iP	P	15 50 59.3	-1.0	
IRK				iP	P	15 51 13.0	-0.1	
AJM	Ajmer	55.12	303	eP	P	15 50 59.8	-1.9	
AJM				eP	P	15 51 03.8		
AJM				eP	P	15 51 02.4	-1.0	
MOY	Chul'man	55.39	342	eP	P	15 52 12.1	-0.1	
MOY				eP	P	15 52 12.1		
CLNS				eS	S	15 53 14.9		
CLNS				eS	S	15 58 56.0	-6.5	
CLNS				eSS	SS	16 02 48.2	-3.3	
CLNS				eSS	SS			
CLNS	comp=Z,50nm,0.8s,mb5.6				pmx	pmx		
CLNS	comp=N,30nm,0.9s				pmx	pmx		
CLNS	comp=E,10.0nm,0.8s				pmx	pmx		
CLNS	comp=Z,8.0nm,0.8s,mb4.8				pmx	pmx		
CLNS	comp=N,5.0nm,0.7s				pmx	pmx		
CLNS	comp=E,9.0nm,0.9s				smx	smx		
CLNS	comp=N,8.0nm,1.1s				smx	smx		
CLNS	comp=Z,3.0nm,0.8s				smx	smx		
CLNS	comp=E,7.0nm,0.9s				MLR	MLR		
CLNS	comp=Z,200nm,14.0s,MS4.4				MLR	MLR		
CLNS	comp=N,100nm,13.0s,MS4.1				MLR	MLR		
CLNS	comp=E,40nm,13.0s,MS4.1				MLR	MLR		
BOD	Bodaibo	58.39	353	iP	P	15 51 23.6	-1.0	
BOD				iP	P	15 51 34.2	+1.4	
KSH	Kashi	59.54	317	iP	P	15 51 42.6	+1.8	
KSH				AP	pP	15 51 45.3	+1.6	
KSH				XP	sP	15 52 20.1	+0.3	
KSH				PCP	pP	15 53 48.7	+2.5	
KSH				PP	PP	15 56 18.8		
KSH				eSCP	S	15 56 21.2		
KSH				ePCS	S	15 59 42.1	+2.8	
KSH				XS	S	15 59 53.5		
KSH				eSS	SS	16 03 38.4	+2.3	
KSH				LR	LR			
KSH	comp=N,200nm,5.3s				LR	LR		
KSH	comp=E,220nm,5.8s				LR	LR		
MKAR	Makanchi Array	59.72	327	P	P	15 51 32.4	-1.5	
MKAR	comp=E,42nm,0.5s,mb5.8,baz=124,slow=8.3,SNR=158			PcP	PcP	15 52 20.1	-0.3	
MKAR	comp=E,24nm,0.6s,baz=132,slow=4.6,SNR=8.5			PcP	PcP	15 59 39.7	-1.7	
MKAR	comp=E,1.2nm,1.0s,baz=140,slow=1.7,SNR=2.8			LR	LR	16 21 01.0		
MKAR	comp=E,1.1um,20.1s,MS5.0,baz=122,slow=38			LR	LR	16 21 04.8		
MKAR	comp=E,0.6nm,0.8s,baz=315,slow=1.7,SNR=4.9			PKPKPK	P	16 21 12.1		
MKAR	comp=Z,1.8nm,0.9s,baz=31.5,slow=3.4,SNR=8.5			PK2Pbc	P	15 51 32.4	-1.5	
MKAR	Makanchi Array	59.72	327	P	P	15 52 20.1	-0.3	
MKAR				PcP	S	15 59 39.7	-1.7	
MKAR				LR	LR	16 21 00.9		
MKAR				LR	LR	16 21 04.8		
MKAR				LR	LR	16 21 12.1		
RPZ	Rata Peaks	59.75	143	P	P	15 51 35.0	+0.8	
RPZ	comp=E,30nm,0.8s,mb5.4,baz=53,slow=4.6,SNR=8.2			P	P	15 51 46.6	+1.1	
PET	Petropavlovsk	59.93	23	eP	S	15 59 59.2	+1.5	
PET				eS	MLR			
PET				MLR	MLR			
SNZO	South Karori	60.82	139	PFAKE	LR	15 51 50.0	+8.5	
SNZO	comp=Z,687nm,19.0s,MS4.8				LR	LR		
URZ	Urewera	61.07	135	P	P	15 51 44.1	+0.8	
URZ	comp=Z,8.6nm,0.6s,mb5.1,baz=46,slow=7.7,SNR=12				P	P	15 51 50.0	+0.1
FRU	Bishkek	62.05	320	eP	pmx			
FRU	comp=Z,110nm,2.0s,mb5.6				pmx	pmx		
YAK	Yakutsk	62.07	3c	iP	P	15 51 48.6	-1.1	
YAK				ePP	pP	15 52 04.5	+6.8	
YAK				e	P	15 54 02.6		
YAK				eS	PS	16 00 07.8	-3.4	
YAK				ePS	PS	16 00 29.1	-2.2	
YAK				eSS	P	16 00 44.4		
YAK				eSS	SS	16 01 34.2		
YAK				eSS	SS	16 04 15.3	-0.5	
YAK	comp=Z,90nm,0.8s,mb6.0				pmx	pmx		
YAK	comp=N,40nm,1.1s				pmx	pmx		
YAK	comp=E,10.0nm,1.4s				pmx	pmx		
YAK	comp=Z,6.0nm,0.9s,mb4.7				pmx	pmx		
YAK	comp=N,5.0nm,0.8s				pmx	pmx		
YAK	comp=E,5.0nm,1.0s				smx	smx		
YAK	comp=N,20nm,1.1s				smx	smx		
YAK	comp=Z,8.0nm,1.1s				smx	smx		
YAK	comp=E,10.0nm,1.2s				MLR	MLR		
YAK	comp=Z,300nm,20.0s,MS4.5				MLR	MLR		
YAK	comp=N,160nm,16.0s,MS4.4				MLR	MLR		
YAK	comp=E,110nm,14.0s,MS4.4				MLR	MLR		
YAK	Yakutsk	62.07	3c	eP	P	15 51 48.5	-1.2	
YAK	comp=E,224nm,0.8s,mb6.3				LR	LR		

QUE	Quetta	62.73	304	eP	X	15 51 53.0	-1.5
QUE				eS	P	15 56 11.0	
MA2	Magadan	62.83	14	eP	P	15 51 54.5	-0.3
MA2	comp=Z,35nm,0.6s,mb5.7				LR	LR	
ZAL	Zalesovo	63.21	335	P	P	15 51 54.3	-3.0
ZAL	comp=Z,28nm,1.1s,mb5.3,baz=262,slow=6.8,SNR=53			LR	LR	16 21 49.0	
KURK	Kurchatov	64.03	329	iP	P	15 52 01.0	-1.8
KURK	comp=Z,1.1um,18.7s,MS5.0,baz=249,slow=38				pmx	pmx	
KURK					pmx	pmx	
KURK	Kurchatov	64.03	329	eP	P	15 52 00.9	-1.9
NVS	Novosibirsk	64.50	335	iP	P	15 52 03.1	-2.6
NVS				e	S	15 52 32.4	
NVS				i	S	15 52 39.7	-8.7
NVS				i	S	16 01 47.7	
NVS	comp=Z,57nm,1.0s,mb5.6				pmx	pmx	
NVS	comp=N,37nm,0.8s				pmx	pmx	
NVS	comp=E,21nm,0.8s				pmx	pmx	
NVS	comp=Z,25nm,1.9s,mb4.9				pmx	pmx	
NVS	comp=N,11nm,1.7s				pmx	pmx	
NVS	comp=E,10.0nm,1.6s				smx	smx	
NVS	comp=N,41nm,2.0s				smx	smx	
NVS	comp=E,46nm,2.0s				smx	smx	
NVS	Novosibirsk	64.50	335	iP	P	15 52 03.2	-2.5
KKAR	Karatay Array	64.85	319	iP	P	15 52 06.7	-1.5
KKAR					pmx	pmx	
SEY	Seymchan	66.14	13	eP	P	15 52 17.9	+1.7
SEY				*PP	pP	15 52 29.9	+5.7
SEY				*SP	sP	15 52 33.2	+6.2
SEY					PPP	15 56 16.4	-2.9
SEY				eS	PPP	16 01 06.8	+5.2
SEY					pmx	pmx	16 02 08.3
SEY	comp=N,30nm,1.2s				pmx	pmx	
SEY	comp=Z,120nm,1.2s,mb5.8				pmx	pmx	
SEY	comp=N,2.1um,29.6s				smx	smx	
SEY	comp=E,2.1um,29.6s				MLR	MLR	
FX1	Attu Island-F	66.27	30	P	P	15 52 17.7	+0.5
FX1	comp=Z,46nm,0.7s,mb5.6,baz=80,slow=7.4,SNR=6.0				pmx	pmx	
VOSK	Vostochnaya	69.11	328	P	P	15 52 32.5	-2.5
VOSK					pmx	pmx	
VOSK	comp=Z,12nm,0.6s,mb5.0				pmx	pmx	
VOSK	Vostochnaya	69.11	328	iP	P	15 52 32.5	-2.5
BVAR	Borovoye Array	69.57	328	P	P	15 52 36.2	-1.6
BVAR	comp=Z,320nm,19.5s,MS4.6,baz=45,slow=39				LR	LR	16 27 01.6
BVAR	comp=Z,8.6nm,0.7s,baz=135,slow=4.2,SNR=3.8				LR	LR	16 27 01.6
BRVK	Borovoye	69.64	328	eP	P	15 52 36.4	-1.8
TIXI	Tiksi	71.67	1	eP	P	15 52 48.2	-2.1
TIXI				eS	S	16 01 59.2	-7.8
TIXI				eS	S	16 02 34.8	
TIXI				ePS	PS	16 02 46.7	+6.7
TIXI				eSS	SS	16 02 49.6	
TIXI				eSS	SS	16 06 44.3	-0.3
TIXI	comp=Z,49nm,1.1s,mb5.3				MLR	MLR	
TIXI	comp=Z,458nm,19.0s,MS4.8				MLR	MLR	
TIXI	Tiksi	71.67	1	eP	P	15 52 48.4	-1.9
TIXI	comp=Z,33nm,0.8s,mb5.3				LR	LR	
BILL	Bilbino	73.69	15	eP	P	15 53 00.9	-1.2
BILL	comp=Z,11nm,1.2s,mb4.7				pmx	pmx	
BILL	Bilbino	73.69	15	eP	P	15 53 00.9	-1.2
BILL	comp=Z,1.1nm,1.2s,mb4.7				pmx	pmx	
AB31	Akbulak array	73.99	322	P	P	15 53 02.7	-1.5
AB31					pmx	pmx	
SVE	Sverdlovsk	76.29	329	eP	P	15 53 16.0	-1.2
SVE	comp=Z,22nm,0.7s,mb5.2				e	pmx	16 03 39.0
SVE	comp=Z,140nm,1.3s,mb5.7				MLR	MLR	
SVE	comp=Z,500nm,17.0s,MS4.9				MLR	MLR	
SVE	comp=N,400nm,15.0s,MS5.0				MLR	MLR	
HASS	Wahat al Ahsa'	76.69	296	P	P	15 53 18.5	-1.6
ARU	Arti	77.21	329	iP	P	15 53 20.4	-2.0
ARU					pP	15 53 29.0	-1.5
ARU				e	S	15 56 13.6	
ARU				eS	S	16 02 58.0	-1.1
ARU				e	pmx	16 03 25.	









Table with columns for location, time, and status. Includes entries like COCO West Island, KELI Kelakatan, INGI Ingas, etc.

Table with columns for location, time, and status. Includes entries like CD2 comp=E,8um,19.5s, WHN Wuhan, WHN comp=N,1um,14.0s,MS5.0, etc.

Table with columns for location, time, and status. Includes entries like WMQ comp=Z,49nm,1.2s,mb5.3, WMQ comp=N,667nm,30.0s,MS4.9, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Alum Creek Sta, Standing Stone, Brasilia, etc.

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

NEIC 02 21:12:12.12:12.2, 1.25N:128.26E, h405km, 30km, mb3.2/5, m=13.4, mb1mx3.1/3, Error ellipse: s-maj=109.0km s-min=18.3km, az=62.0, Halmahera

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

THE 02 21:20:39.4, 39.26N:24.14E, h14km, ML2.4
ATH 02 21:20:39.39, 39.23N:24.10E, h28km, 22km, MD2.8, ML2.9
ISC 02 21:20:39.6:1.0, 39.26N:0.04:24.10E:0.08, h17km, 8km, n12, e0593/17, Aegean Sea

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

NEIC 02 21:43:00.1, 35.09N:3.98W, MG3.7(MDD), After MDD.
INMG 02 21:43:00.0:1.0, 34.95N:3.93W, h30km, 16km, ML2.2, Error ellipse: s-maj=8.4km s-min=6.6km az=10.0
MDD 02 21:43:00.1:1.0, 35.09N:3.96W, h0km, 26km, mb3.5/10, Error ellipse: s-maj=34.8km s-min=6.0km az=169.0, PRXIMO Aftershock PLIC2A

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

ISC 02 21:43:46.0:0.4, 5.68S:104.18E, h21km, 2km, mb4.9/24, mb1.4/9, 24, mb1mx4.9/24, MS4.9/18, Ms1 4.9/18, ms1mx4.7/22, Error ellipse: s-maj=16.5km s-min=8.5km az=43.0

BJJ 02 21:43:48.5, 6.00S:104.10E, h42km, mb5.4, mb5.1, Ms5.6, Ms2.3

HRVD 02 21:43:49.5:0.2, 6.02S:103.96E, h24km, MW5.5/70, Centroid moment Tensor Solution. LP body waves: s0, c89; Mantle waves: s70, c141; Half duration: 1s4

SYO 02 21:43:49.5, 6.02S:104.08E, h42km, mb5.2, MS5.2, NEIC 02 21:43:49.5:1.6, 6.02S:104.08E, h42km, mb5.2/36, MS5.2/82, Error ellipse: s-maj=8.8km s-min=5.2km az=53.0

MOS 02 21:43:55.5:2.2, 4.39S:103.99E, h33km, mb5.6/15, MS5.1/20, Error ellipse: s-maj=19.7km s-min=8.5km az=115.3

ISC 02 21:43:45.6:0.2, 6.04S:104.108E:0.04, h21km, h21km, 1.1km, pp-P, n419, e1948/318, mb5.2/91, MS5.2/118, 27C-16D, Sunda Strait

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

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

comp=Z, 994nm, 20.8s, MS4.3, baz=271, slow=37

comp=Z, 4um, 19.0s, MS5.0

comp=Z, 1.5nm, 0.9s, baz=180, slow=12, SNR=3.1

comp=Z, 2um, 18.2s, MS4.9, baz=180, slow=40

comp=Z, 2.2nm, 1.0s, baz=180, slow=12, SNR=3.9

comp=Z, 1.5nm, 0.9s, baz=194, slow=12, SNR=3.1

comp=Z, 2um, 18.2s, MS4.9, baz=180, slow=40

comp=Z, 2um, 18.2s, MS4.9, baz=180, slow=40

comp=Z, 2um, 18.2s, MS4.9, baz=180, slow=40

comp=Z, 2um, 18.2s, MS4.9, baz=180, slow=40

comp=Z, 2um, 18.2s, MS4.9, baz=180, slow=40

comp=Z, 2um, 18.2s, MS4.9, baz=180, slow=40

comp=Z, 2um, 18.2s, MS4.9, baz=180, slow=40

comp=Z, 2um, 18.2s, MS4.9, baz=180, slow=40

comp=Z, 2um, 18.2s, MS4.9, baz=180, slow=40

comp=Z, 2um, 18.2s, MS4.9, baz=180, slow=40

comp=Z, 2um, 18.2s, MS4.9, baz=180, slow=40

comp=Z, 2um, 18.2s, MS4.9, baz=180, slow=40

comp=Z, 2um, 18.2s, MS4.9, baz=180, slow=40

comp=Z, 2um, 18.2s, MS4.9, baz=180, slow=40

comp=Z, 2um, 18.2s, MS4.9, baz=180, slow=40

comp=Z, 2um, 18.2s, MS4.9, baz=180, slow=40

comp=Z, 2um, 18.2s, MS4.9, baz=180, slow=40

comp=Z, 2um, 18.2s, MS4.9, baz=180, slow=40

comp=Z, 2um, 18.2s, MS4.9, baz=180, slow=40

comp=Z, 2um, 18.2s, MS4.9, baz=180, slow=40

comp=Z, 2um, 18.2s, MS4.9, baz=180, slow=40

comp=Z, 2um, 18.2s, MS4.9, baz=180, slow=40



MMB	Musomiste	86.80	312	P	P	21 56 31.5 +1.5
PUL	Pulkovo	87.10	331	eP	P	21 56 37.5 +6.5
PUL		22 06 52.2		i	S	22 07 05.6 -1.7
PUL				eS	S	
PUL	comp=Z,50nm,1.0s,mb5.7			pmax	pmax	
PUL	comp=N,30nm,0.8s			pmax	pmax	
PUL	comp=E,30nm,0.7s			pmax	pmax	
PUL	comp=Z,580nm,17.0s,MS5.0			MLR	MLR	
KKB	Krupnik	87.32	312	eP	P	21 56 35.0 +2.5
VTS	Vitoshka	87.36	313	eP	P	21 56 33.0 +0.3
JOF	Joensuu	87.60	334	eP	P	21 56 34.5 +1.2
VAY	Valandovo	87.60	312	iP	P	21 56 39.5 +5.9
LZV	Lovozero	87.97	339	eP	P	21 56 35.3 +0.3
LZV				i	P	21 59 59.0
LZV	comp=N,8.0nm,1.1s			pmax	pmax	
LZV	comp=Z,10.0nm,1.1s,mb5.0			pmax	pmax	
LZV	comp=E,3.0nm,1.7s			pmax	pmax	
LVZ	Lowozero	87.97	339	eP	P	21 56 34.0 -1.0
LVV	L'vov	88.19	320	eP	P	21 56 37.5 +1.1
APA	Apafity	88.30	339	iP	P	21 56 43.0 +6.4
APA	comp=Z,77nm,1.3s,mb5.8			pmax	pmax	
APA	comp=Z,1um,15.0s,MS5.3			MLR	MLR	
BOLS	Boljvac	88.48	314	eP	P	21 56 38.2 +0.2
SKO	Skopje	88.55	312	iP	P	21 56 42.6 +4.2
KWP	Kalvaria	88.99	320	eP	P	21 56 39.4 -0.9
KWP				eP	P	21 56 42.9 -4.1
GRUS	Gruza	89.38	314	eP	P	21 56 42.5 +0.2
SUW	Suwalski	89.52	324	eP	P	21 56 42.9 +0.2
SUW				eP	P	21 56 46.2 -3.2
SNA	Sanae	89.56	198	iP	P	21 56 46.9 +4.4
SNA	Sanae	89.56	198	iP	P	21 56 51.9 +9.1
SNA	Sanae	89.56	198	eP	P	21 56 49.8 +2.2
FINES	FINESS Array	89.56	332	P	P	21 56 40.4 -2.3
KAF	Kangasniemi	89.61	333	eP	P	21 56 42.5 -0.4
CRVS	Cervenica-Dubn	89.67	319	eP	P	21 56 49.5 +5.7
CRVS				eP	P	21 56 42.9 -4.5
DIVS	Divicbica	89.93	314	eP	P	21 56 45.0 +0.2
NIE	Niedzica	90.50	320	eP	P	21 56 46.7 -0.6
NIE				eP	P	21 56 52.2 -1.9
NIE				eP	P	21 56 55.4 +6.6
NIE				eP	P	22 00 23.9 -0.6
PSZ	Piszkesteto	90.55	318	eP	P	21 56 49.8 +2.2
PSZ				eP	P	22 00 24.0
PSZ	Piszkesteto	90.55	318	eP	P	21 56 47.0 -0.6
PSZ	comp=Z,2.0nm,1.0s,mb5.4			P	P	21 56 51.2 +2.3
LCI	Leccia	90.80	310	eP	P	21 56 52.4 +1.7
QUC	Qjow	90.94	320	eP	P	21 56 52.4 +1.7
QUC				eP	P	22 07 06.0
QUC				eS	x	22 07 55.3 +1.3
QUC				eS	x	22 34 47.9
QJC	comp=Z,700nm,17.8s,MS5.2			MLR	MLR	
QJC	Qjow	90.94	320	eP	P	21 56 44.9 -4.5
QJC				eP	P	21 56 52.4 -3.7
QJC				eP	P	21 56 56.7 +6.7
QJC				eP	P	21 56 54.4 +3.3
QJC				eP	P	21 56 58.6 +8.5
QJC				eP	P	21 56 53.5 +2.3
QJC				eP	P	22 00 35.2 +4.0
QJC				eP	P	21 56 52.7 +0.5
QJC				eP	P	21 56 55.9 +3.2
QJC				eP	P	21 56 59.5 +7.7
QJC				eP	P	21 56 49.8 -2.4
QJC	comp=Z,5.0nm,0.9s,mb4.8,baz=115,slow=4.7,SNR=9.4			LR	LR	22 42 59.6
ARCES	comp=Z,1um,20.9s,MS5.2,baz=97,slow=39			LR	LR	21 56 56.5 +3.9
ARCES	Neumayer Olymp	91.75	197	iP	P	21 57 00.6 +8.0
ARCES	Neumayer Olymp	91.75	197	iP	P	21 56 56.7 +2.7
ARCES	Ostrava-Krasne	91.95	320	eP	P	22 00 35.3 -0.8
ARCES				eP	P	22 35 20.0
ARCES	comp=Z,0.6nm,14.5s			MLR	MLR	21 56 56.7 +2.7
OKC	Ostrava-Krasne	91.95	320	eP	P	21 56 58.7 +4.1
OKC				eP	P	21 56 57.6 +2.7
OKC	comp=Z,600nm,14.5s,MS5.2			MLR	MLR	21 57 02.3 +7.1
ORI	Oriolo Calabro	92.03	310	eP	P	21 56 54.4 -1.4
TDS	Terranova Siba	92.08	309	eP	P	21 57 02.3 +7.1
SOI	Samò	92.13	308	eP	P	21 56 54.4 -1.4
MORC	Moravsky Berou	92.33	320	eP	P	21 57 03.7 +4.1
MORC				eP	P	22 00 44.1 -1.8
ZST	Bratislava	92.44	318	eP	P	22 35 50.0
FGMS	Monte Sant Ang	92.58	311	eP	P	21 57 03.7 +4.1
SISC	Sisak	92.65	315	iP	P	22 35 50.0
MGR	Morigerati	92.72	310	eP	P	21 57 08.2 +3.8
DPG	Dobruska-Polom	93.17	320	eP	P	21 57 08.2 +3.8
DPG				eP	P	22 40 30.1 -2.2
DPG				eP	P	21 57 08.6 +3.8
DPG				eP	P	22 37 10.0
DPG	comp=Z,0.6nm,18.2s			MLR	MLR	21 57 03.7 +4.1
DPG	Dobruska-Polom	93.17	320	eP	P	21 57 03.7 +4.1
DPC				eP	P	21 57 04.2 +4.3
DPC	Ksciaz	93.24	321	eP	P	22 07 32.0
DPC				eS	S	22 08 06.0 +3.0
DPC				eS	S	21 57 05.2 +4.7
DPC				eS	S	21 57 05.1 +4.5
DPC				eS	S	22 00 45.0 -2.6
DPC				eS	S	21 57 02.2 +1.4
DPC	comp=Z,1.5nm,1.0s,mb5.4			MLR	MLR	22 36 47.8
RAR	Rarotonga	93.41	112	LR	LR	21 57 05.6 +3.7
RAR				LR	LR	21 57 10.5 +7.9
NVLJ	Novaja	93.63	314	iP	P	21 57 05.6 +3.0
CP12	Caripone	93.79	311	eP	P	22 00 01.2
LJU	Ljubljana	93.99	316	eP	P	21 57 08.2 +3.8
LJU				iP	P	21 57 08.2 +3.8
SDI	San Donato	94.17	311	eP	P	22 40 30.1 -2.2
PRU	Pruhonice	94.28	320	eP	P	21 57 08.6 +3.8
PRU				eP	P	22 37 10.0
PVCC	Panska Ves	94.31	320	eP	P	21 57 07.7 +2.2
PVCC				eP	P	21 57 06.3 +0.2
PVCC				eP	P	21 57 11.8 +5.0
PVCC				eP	P	22 00 52.7
PVCC	comp=Z,0.6nm,16.6s			MLR	MLR	21 57 05.4 -1.5
VOY	Vojsko	94.43	316	eP	P	21 57 11.4 -2.3
PTOR	Pietraruaria	94.50	312	eP	P	22 00 54.6 -3.2
PTOR	Aquila	94.57	312	eP	P	21 57 11.8 +5.0
ARG	Berggiesshubel	94.73	321	eP	P	22 00 52.7
ARG				eP	P	22 00 52.7
ARG				eP	P	21 57 08.2 +3.8
ARG				eP	P	22 37 10.0
ARG	comp=Z,9.0nm,1.4s,mb5.0			pmax	pmax	21 57 07.7 +2.2
ARG	comp=N,640nm,20.2s,MS5.2			MLR	MLR	21 57 11.4 -2.3
ARG	comp=E,680nm,20.2s,MS5.2			MLR	MLR	22 00 54.6 -3.2
ARG	comp=Z,900nm,20.2s,MS5.2			MLR	MLR	22 00 54.6 -3.2
ARG	Berggiesshubel	94.73	321	eP	P	21 57 11.8 +5.0
ARG				eP	P	22 00 52.7 -4.9
ARG				eP	P	22 01 04.4
ARG	comp=Z,9.0nm,20.2s,MS5.2			MLR	MLR	21 57 05.4 -1.5
GERES	GERESS Array B	94.75	318	P	P	21 57 11.4 -2.3
GERES				eP	P	21 57 11.4 -2.3
GERES	comp=Z,3.9nm,0.9s,baz=116,slow=3.7,SNR=13			PP	PP	22 00 54.6 -3.2
GERES				PP	PP	22 00 54.6 -3.2
GERES	comp=Z,1.0nm,0.9s,baz=90,slow=5.3,SNR=3.6			P	P	21 57 14.0 +6.9
NRCA	Norcia	94.77	312	eP	P	21 57 10.7 +3.4
PTCC	Patocco-Chiusa	94.83	316	eP	P	21 57 10.7 +3.4

KHC	Kasperske Hory	94.85	319	eP	P	21 57 06.8 -0.6
KHC				eP	P	21 57 14.6 +0.5
KHC				eP	P	22 00 48.0 -1.1
KHC				eP	P	22 37 10.0
KHC	comp=Z,0.7nm,14.5s			L	L	
KHC	Kasperske Hory	94.85	319	eP	P	21 57 06.8 -0.6
KHC				eP	P	21 57 14.6 +0.5
KHC				eP	P	21 57 10.1 +2.2
ARV	Arcevia	94.94	313	eP	P	21 57 13.6 +4.1
FFSB	Fossumbrone	95.07	313	eP	P	21 57 10.7 +0.7
CLL	Collin	95.34	321	eP	P	21 57 08.3 -1.2
HFS	Hagfors	95.39	330	eP	P	21 57 08.3 -1.2
SPITS	Spitsbergen Ar	95.40	348	P	P	21 57 06.6 -2.8
SPITS				eP	P	21 57 06.6 -2.8
SPITS	comp=Z,5.7nm,1.0s,mb5.0,baz=95,slow=4.5,SNR=4.6			P	P	21 57 10.6 -0.4
NKC	Novy Kostel	95.64	320	eP	P	21 57 18.0
NKC				eP	P	22 01 06.3 +1.6
NKC				eP	P	22 38 10.0
NKC	comp=Z,0.9nm,17.3s			MLR	MLR	21 57 10.6 -0.4
NKC	Novy Kostel	95.64	320	eP	P	21 57 18.0 +0.3
NKC				eP	P	21 57 10.6 -0.4
NKC				eP	P	21 57 18.0 +0.3
NKC	comp=Z,900nm,17.3s,MS5.3			MLR	MLR	21 57 14.4 +3.7
ANM	Nome	95.65	26	eP	P	21 57 19.6 +7.9
SFI	Santa Sofia	95.75	313	eP	P	21 57 16.6 +3.9
CTI	Castel Tesino	95.99	316	eP	P	21 57 20.0 +6.6
KBS	Kingsbay	96.30	349	P	P	21 57 19.0 +4.5
KBS				LR	LR	21 57 19.0 +4.5
GRA1	Grafenberg Arr	96.41	319	eP	P	21 57 19.0 +4.5
GRA1				LR	LR	21 57 19.0 +4.5
GRA1	comp=Z,900nm,18.2s,MS5.3			LR	LR	21 57 19.0 +4.5
GRA1	Grafenberg Arr	96.41	319	eP	P	21 57 19.0 +4.5
GRA1				pmax	pmax	21 57 19.0 +4.5
GRF	GRF	96.41	319	eP	P	21 57 19.0 +4.5
GRF				MLR	MLR	21 57 14.1 -1.2
NOA	NORSAR Array B	96.64	331	P	P	21 57 22.2 +5.5
NOA				eP	P	21 57 20.0 +1.1
NOA	comp=Z,0.5nm,0.7s,mb4.1,baz=70,slow=6.5,SNR=3.1			LR	LR	21 57 20.0 +1.1
NOA				LR	LR	22 46 27.7
BRNO	Bormio	96.69	319	eP	P	21 57 22.2 +5.5
KONO	Kongsberg	97.44	329	P	P	21 57 20.0 +1.1
KONO				LR	LR	21 57 20.0 +1.1
KONO	comp=Z,1um,20.0s,MS5.3			LR	LR	21 57 27.2 +1.2
SBF	Sospel	98.94	313	eP	P	21 57 27.3 +1.1
CDF	Champ du Feu	99.00	318	eP	P	21 57 27.3 +1.1
CDF				eP	P	21 57 27.3 +1.1
CDF	comp=Z,3.9nm,0.6s,mb4.8			P	P	21 57 28.5 +0.9
HNF	Hinteralfeld	99.30	317	eP	P	21 57 29.7 +1.6
HNF				eP	P	21 57 29.7 +1.6
HNF	comp=Z,3.4nm,0.7s,mb4.7			P	P	21 57 29.5 +1.3
LPG	La Plagne	99.41	315	eP	P	21 57 29.8 +1.1
LPG				eP	P	21 57 29.8 +1.1
LPG	comp=Z,3.4nm,0.8s,mb4.9			P	P	21 57 30.3 +1.2
LPL	La Plagne	99.43	315	eP	P	21 57 30.3 +1.2
FRF	La Foret Royal	99.52	313	eP	P	21 57 30.3 +1.2
HAU	Haudompre	99.63	318	eP	P	21 57 30.3 +1.2
HAU				eP	P	21 57 30.3 +1.2
HAU	comp=Z,738nm,18.8s			P	P	21 57 33.5 +1.1
IMA	Indian Mountain	100.46	24	eP	P	21 57 33.0 +0.1
MEZF	Maizieres Jv	100.48	318	eP	P	21 57 38.2 +1.3
MEZF				eP	P	21 57 38.2 +1.3
MEZF	comp=Z,8.7nm,0.7s			P	P	21 57 38.2 +1.3
LOR	Lorme	101.35	317	eP	P	21 57 38.2 +1.3
LOR				eP	P	21 57 38.2 +





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MPAR Parnis Oros, NEO Neokhori, XOR Xorichti, etc.

IDC 02 22:22:51.2±1.5, 11.855±128.19E, mb3.8/2, mb1 4.0/4, mb1mx3.8/10, ML3.7/2, Error ellipse: s-maj=107.0km s-min=24.2km az=59.0, Timor Sea

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

ISC 02 22:32:25.6±1.1, 38.0N±0.3, 74.1E±0.6, h200km, n7, f151/9, 4C, Tajikistan-Xinjiang border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KK31 Karatay Array, WRA Warramunga Arr, etc.

MDD 02 22:41:28.9±0.5, 43.06N±0.62W, h8km, 4km, mbLg1.0/7, Error ellipse: s-maj=3.9km s-min=2.0km az=10.0, PRXIMO LDG 02 22:41:30.1±0.3, 42.98N±0.51W, h9km, 45km, Md1.9/2, Mt1.4/1, Error ellipse: s-maj=212.8km s-min=4.0km az=166.0

ISC 02 22:41:27.5±0.8, 43.10N±0.06±0.59W±0.05, h8km, n10, f1507/11, Pyrenees

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ATE Arette, REVF Montagne du Re, etc.

NAO 02 23:20:15.6±5.4, 67.80N±19.68E, h6km, 32km, ML2.1 HEL 02 23:20:18.3±0.2, 67.85N±20.23E, ML1.8, ML1.7(UPP), ML1.6(BER), Explosion BER 02 23:20:24.2±0.6, 67.85N±19.99E, ML1.7, ML2.1(NAO), Suspected explosion

ISC 02 23:20:18.0±0.6, 67.95N±0.03±0.22E±0.09, n18, f1557/28, Sweden

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KIF Kilpisjarvi, KTK/KTKI Kautokeino, etc.

IDC 03 00:12:12.4±2.7, 32.43S±178.13W, mb4.3/3, mb1 4.4/4, mb1mx4.1/15, ML3.6/1, Error ellipse: s-maj=59.8km s-min=35.2km az=118.0

ISC 03 00:12:13.7±5.4, 32.65S±0.2±177.9W±0.8, h33km, n6, f0577/6, mb4.2/3, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include URZ Urewera, CTA Charters Tower, ASAR Alice Springs, etc.

KRSC 03 00:22:15.7±1.9, 50.42N±156.48E, h97km, 6km, ML3.8, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include SKR Severo-Kuril's, PAU Pauzhetka, etc.

IDC 03 00:25:24.3±1.9, 3.42S±130.41E, mb3.6/3, mb1 3.9/5, mb1mx3.8/13, ML3.4/2, Error ellipse: s-maj=111.0km s-min=27.5km az=72.0

NEIC 03 00:25:25.3±1.2, 3.37S±130.77E, h10km, Error ellipse: s-maj=22.6km s-min=17.1km az=81.0

ISC 03 00:25:27.3±0.5, 3.65S±0.1±130.8E±0.2, h34km, 35km, n9, f129/11, mb3.4/2, Seram

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KAKA Kakadu, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

IDC 03 01:09:57.9±1.7, 53N-98.82E, mb3.9/6, mb1 4.1/7, mb1mx3.9/15, ML4.3/1, MS3.4/1, Ms1 3.6/1, ms1mx3.0/18, Error ellipse: s-maj=104.0km s-min=18.2km az=56.0

NEIC 03 01:09:59.2±0.7, 46N-98.88E, h10km, mb4.3/4, Error ellipse: s-maj=20.4km s-min=8.6km az=56.0

DJA 03 01:10:04.6, 1.87N-99.04E, h30km, MB4.0, Error ellipse: s-maj=10.0km s-min=0.0km az=0.0

ISC 03 01:10:01.4±0.7, 1.61N±0.09±99.1E±0.1, h33km, n17, f1516/17, mb4.1/9, 1C-2D, Northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include PSI Prapat, GSI Gunungsitoli, etc.

ATH 03 01:13:48.7, 38.73N-23.54E, h31km, 2km, MD2.7/6, ML2.9 THE 03 01:13:49.9, 38.76N-23.58E, h5km, ML2.5

ISC 03 01:13:49.0±0.7, 38.77N±0.03±23.7E±0.1, h31km, n10, f044/15, Greece

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include AOS Alonnisos, MPAR Parnis Oros, etc.

MOS 03 01:29:33.1±1.3, 45.61N±148.18E, h195km, mb3.9/7, Error ellipse: s-maj=23.6km s-min=17.3km az=74.0

JMA 03 01:29:35.4±0.6, 45.02N-148.48E, h172km, M3.8

IDC 03 01:29:35.9±1.9, 45.69N±148.12E, h197km, 18km, mb3.4/13, mb1 3.6/14, mb1mx3.6/20, Error ellipse: s-maj=17.9km s-min=13.4km az=132.0

NEIC 03 01:29:36.4±1.1, 45.73N±148.08E, h204km, 9km, mb4.3/6, Error ellipse: s-maj=14.0km s-min=8.7km az=152.0

ISC 03 01:29:33.0±0.7, 45.51N±0.09±148.2E±0.1, h193km, 7km, n45, f126/53, mb3.7/17, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include YUK Yuzh-Kuril'sk, YUK Yuzh-Kuril'sk, etc.

JRA Rausu, JRA Nemuro 2, NEM2 Nemuro 2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include JAK Akheshi, JAK Akheshi, etc.

ISC 03 01:30:25.3±1.2, 3.37S±130.77E, h10km, Error ellipse: s-maj=22.6km s-min=17.1km az=81.0

ISC 03 00:25:27.3±0.5, 3.65S±0.1±130.8E±0.2, h34km, 35km, n9, f129/11, mb3.4/2, Seram

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

ISC 03 01:52:57.3±2.3, 3.45S±130.12E, mb3.6/2, mb1 3.9/3, mb1mx3.7/12, ML3.4/1, Error ellipse: s-maj=121.0km s-min=29.7km az=70.0, Seram

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

ISC 03 01:52:57.3±2.3, 3.45S±130.12E, mb3.6/2, mb1 3.9/3, mb1mx3.7/12, ML3.4/1, Error ellipse: s-maj=121.0km s-min=29.7km az=70.0, Seram

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

NEIC 03 01:59:21.2±0.9, 51.22N±151.08E, h457km, 11km, mb4.2/6, Error ellipse: s-maj=14.9km s-min=9.1km az=155.0

MOS 03 01:59:22.5±0.9, 51.40N±151.22E, h479km, mb3.6/8, Error ellipse: s-maj=21.9km s-min=14.1km az=77.0

IDC 03 01:59:23.2±2.4, 51.37N±151.25E, h471km, 29km, mb3.1/14, mb1 3.3/16, mb1mx3.2/21, Error ellipse: s-maj=15.9km s-min=11.9km az=147.0

ISC 03 01:59:22.1±0.7, 51.34N±0.09±151.3E±0.1, h474km, 8km, n49, f095/50, mb3.7/23, 2C, Sea of Okhotsk

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include SKR Severo-Kuril's, SKR Severo-Kuril's, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FX1 Attu Island-F, FX1 Attu Island-F, FX1 Attu Island-F, etc.

MDD 03 02 02:04.0.2.9, 37.01N, 133.35E, h8km, 65km, mb3.5/6, Error ellipse: s-maj=83.4km s-min=17.2km az=140.0, PRXIMO, Western Mediterranean Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EIBI Ibiza, ETOS Mallorca, ETOS Beniarras, etc.

MAN 03 02 06:21.1, 10.14N, 125.03E, h47km, mb3.6, ML2.3, MS1.8, 5C, Leyte

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSLP Maasin, MSLP Surigao, LLP Lapu-Lapu, etc.

JMA 03 02 43:36.9.0.3, 36.21N, 141.92E, h66km, M3.3, IDC 03 02 43:44.0.3.6, 36.08N, 140.15E, mb3.5/3, mb1 3/7.4, mb1mx3.5/19, ML3.5/1, Error ellipse: s-maj=120.0km s-min=25.7km az=71.0

ISC 03 02 43:34.5.1.9, 36.21N, 140.42E, 0.1, h9km, 14km, n13, 0.96/19, mb3.5/3, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CHOJ Choshi, CHOJ Hitachi, ONAJ Iwakimizuishi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, IDC 03 02 51:00.5.1.9, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JOSI Joshimath, JOSI Kalpa, JOSI New Delhi, etc.

NIED 03 03 09:00, 29.80N, 127.60E, h5km, Mw4.5 Best double couple: M7.39x10^15 NP1, 228°, 82°, λ, 102°. NP2: 6x10^15, 615°, λ, 34°

JMA 03 03 09:07, 4.0.4.2, 29.80N, 127.60E, h12km, M4.4, IDC 03 03 09:07, 5.0.6.2, 29.83N, 127.62E, mb4.1/14, mb1 4/2/17, mb1mx2.2/4, ML3.3/3, MS3.6/10, Ms1 3.6/10, ms1mx3.5/25, Error ellipse: s-maj=22.3km s-min=13.2km az=84.0

MOS 03 03 09:10.6.1.0, 29.85N, 127.54E, h33km, mb4.3/1, Error ellipse: s-maj=24.7km s-min=14.5km az=110.1

BUI 03 03 09:12.7.29.73N, 127.55E, h49km, mb4.5, mb4.3, ML5.1, Ms4.2, Msz4.0

NEIC 03 03 09:12.9.1.0, 29.76N, 127.48E, h36km, 10km, mb4.4/6, Error ellipse: s-maj=12.0km s-min=6.9km az=82.0

ISC 03 03 09:07, 5.2.0.2, 29.82N, 127.45E, 0.04, h11kyu, 13km, n60, 0.996/11, mb4.3/26, MS3.8/11, Northwest of Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JMM Nakanoshima, JMN Amami Oshima, JTK Tokunoshima, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NJ2 comp=N, 580nm, 0.8s, NJ2 comp=E, 710nm, 1.0s, NJ2 comp=N, 3um, 12.9s, etc.



IDC 03 03:14:47.0-0.5, 17.74N-44.04W, mb4.7/21, mb1 4.9/21, mb1mx4.8/22, MS3.9/18, Ms1 3.9/18, ms1mx3.9/19, ERtor ellipse: s-maj=15.1km s-min=12.8km az=16.0

HRVD 03 03:14:48.5-0.4, 17.82N-43.93W, h12km, MW4.9/49, Centroid moment Tensor Solution. LP body waves: s2c,2c6; Mantle waves: s49,c78; Half duration: 0 Moment tensor: Scale 10<sup>18</sup>Nm; Mr:2.50±.10; Ms:0.01±.11; Mw:2.51±.09; Mo:1.60±.36; Mo:0.40±.08; Mr:0.43±.28; Best double couple: Mo:2.98×10<sup>16</sup> N<sup>2</sup>, 168°, 842°, λ:52°. NP2:34°, 856°, λ:119°. Principal axes: T:3.29, P:6.4°, Azm:35°, N: -62, P:62°, Azm:198°, P:2.68, P:69°, Azm:104°. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

SYO 03 03:14:48.4, 17.63N-44.02W, h10km, MB5.0, MS4.4 BUI 03 03:14:48.4, 17.60N-44.00W, h10km, MB4.9, MS4.6

NEIC 03 03:14:48.5-0.1, 17.63N-44.02W, h10km, mb5.0/132, MS4.4/55, Error ellipse: s-maj=4.6km s-min=2.1km az=173.0

MOS 03 03:14:50.8-0.6, 18.46N-43.95W, h10km, mb5.4/13, Error ellipse: s-maj=27.0km s-min=7.0km az=52.4

ISC 03 03:14:47.1-0.1, 17.73N-0.05-44.04W-0.02, h10km, n391, -0.89/362, mb4.9, MS2.6, MS4.3/67, 27C-8D, Northern

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
DEG	La Desirade	16.34	268	eP	03 18 41.0 +2.5	
MCG	Marie-Galante	16.64	266	eP	03 18 46.5 +4.2	
SACV	Santiago Islan	19.79	95	eP	03 19 17.6 +3.1	
HUMP	Col San Antoni	20.76	274	eP	03 19 30.2 -0.7	
SJG	San Juan	21.05	274	eP	03 19 33.5 -0.3	
SJG	comp=2.547nm,20.8s,MS3.9,baz=90,slow=32			LR	03 25 57.5	
SJG	San Juan	21.05	274	eP	03 19 33.1 -0.6	
SJG	comp=2.660nm,20.0s,MS4.0			LR		
PCRV	Puerto La Cruz	21.34	252	P	03 19 37.4 +0.6	
ICM	Isla Caja Muer	21.41	274	eP	03 19 35.4 -2.1	
MGP	Mauguayo	21.94	274	eP	03 19 42.1 -0.7	
BBSR	BB Station	23.66	312	eP	03 20 01.6 +1.9	
BBSR	comp=2.44m,20.0s,MS4.8			LR		
ROSC	El Rosal	32.28	250	LR	03 33 59.0	
BDFB	Brasilia	33.39	187	P	03 21 28.4 +0.2	
BDFB	comp=2.224nm,19.3s,MS3.9,baz=74,slow=36			LR		
BDFB	Brasilia	33.39	187	P	03 33 47.6 +3.1	
BDFB	comp=2.109nm,19.4s,MS3.8,baz=104,slow=34			LR		
BDFB	Brasilia	33.39	187	P	03 21 28.4 +0.2	
WES	Weston	33.81	322	PFAKE	03 21 40.0 +8.4	
WES	comp=2.776nm,21.0s,MS4.4			LR		
PAL	Palisades	34.58	318	eP	03 21 39.2 +1.0	
CBN	Corbin	35.54	312	PFAKE	03 23 02.0 +1.4	
CBN	comp=2.506nm,20.0s,MS4.3			LR		
MVL	Millersville	35.66	315	eP	03 21 49.1 +1.7	
DWPF	Disney	35.83	294	eP	03 21 49.2 +0.1	
DWPF	comp=2.500nm,19.0s,MS4.3			LR		
NHSC	New Hope	35.85	302	PFAKE	03 22 00.0 +1.1	
NHSC	comp=2.650nm,19.0s,MS4.4			LR		
NCB	Newcomb	36.46	322	eP	03 21 54.6 +0.5	
NCB	comp=2.15nm,1.0s,mb4.9			LR		
BNCY	Binghamton	36.54	319	PFAKE	03 22 10.0 +1.5	
BNCY	comp=2.747nm,19.0s,MS4.5			LR		
JSC	Jenkinsville	37.05	304	eP	03 22 00.7 +1.5	
BLA	Blacksburg	37.36	309	PFAKE	03 22 10.0 +8.2	
BLA	comp=2.561nm,22.0s,MS4.3			LR		
EVO	Evora	37.59	491	iP	03 22 03.4 -0.3	
EVO	comp=2.51nm,0.9s,mb5.0			eR		
EGRO	El Granado	37.60	51	P	03 22 03.8 0.0	
EGRO	comp=2.10nm,0.7s,mb4.7			LR		
MCWV	Mont Chateau	37.90	313	PFAKE	03 22 20.0 +1.4	
MCWV	comp=2.659nm,20.0s,MS4.4			LR		
GENY	Genesee	37.99	318	eP	03 22 08.5 +1.5	
OTAV	Otavallo	38.05	246	eP	03 22 08.4 +0.6	
OTAV	comp=2.57nm,0.9s,mb4.3			LR		
EMIN	Mina Concepcion	38.28	51	P	03 22 09.6 +0.1	
EMIN	comp=2.47nm,0.8s,mb4.9			LR		
ESPR	Espera	38.59	53	P	03 22 12.9 +0.8	
ESPR	comp=2.35nm,1.1s,mb5.0			LR		
GOGA	Godfrey	38.59	302	eP	03 22 13.3 +1.2	
GOGA	comp=2.441nm,20.0s,MS4.3			LR		
ELOJ	Sierra de Lija	38.96	53	P	03 22 15.7 +0.5	
ELOJ	comp=2.39nm,0.7s,mb4.2			LR		
ELIB	Lobloz	39.98	44	P	03 22 15.4 +0.1	
ELIB	comp=2.50nm,1.2s,mb4.9			LR		
EHOR	Hornachuelos	39.36	51	P	03 22 19.2 +0.6	
EHOR	comp=2.19nm,1.2s,mb4.7			LR		
MYNC	Murphy	39.54	304	eP	03 22 22.1 +2.1	
MYNC	comp=2.19nm,0.9s,mb4.9			LR		
TIC	Toumoudi	39.61	101	eP	03 22 19.2 -1.6	
TIC	comp=2.74nm,1.1s,mb5.3			LR		
LIC	Lamto	39.74	102	eP	03 22 20.5 -1.5	
LIC	comp=2.43nm,1.2s,mb5.0			LR		
DBIC	Dimbokro	39.75	101	eP	03 22 20.4 -1.6	
DBIC	comp=2.283nm,21.0s,MS4.1			LR		
EINC	Incio	39.81	43	P	03 22 23.1 +0.9	
EINC	comp=2.23nm,1.0s,mb4.9			LR		
ERUA	La Rua	39.83	44	P	03 22 23.1 +0.8	
ERUA	comp=2.11nm,0.8s,mb4.6			LR		
CPCT	Cooper Cave	39.95	304	eP	03 22 26.1 +2.7	
KIC	Kosan Boka	39.97	101	eP	03 22 22.5 -1.3	
KIC	comp=2.89nm,1.2s,mb4.9			LR		
ELOJ	Sierra Loja	39.97	53	P	03 22 25.0 +1.4	
ELOJ	comp=2.36nm,0.7s,mb4.2			LR		
EADA	Adamuz	39.98	51	P	03 22 24.5 +0.8	
EADA	comp=2.93nm,1.0s,mb4.9			LR		
ELUO	Luque	40.01	52	P	03 22 23.6 -0.3	
ELUO	comp=2.68nm,0.8s,mb4.4			LR		
ACSO	Alum Creek Sta	40.34	312	eP	03 22 27.9 +1.3	
ACSO	comp=2.15nm,0.9s,mb4.7			LR		
ACSO	comp=2.502nm,20.0s,MS4.4			LR		
ECOG	Cogollos-Vega	40.45	53	P	03 22 27.4 -0.1	
ECOG	comp=2.8nm,0.7s,mb4.6			LR		
EBAN	Banos Encina	40.56	52	P	03 22 28.9 +0.4	
EBAN	comp=2.7nm,0.8s,mb4.9			LR		
ESDC	Sonsea Array	40.94	49	P	03 22 31.7 +0.2	
ESDC	comp=2.29nm,0.6s,mb4.1,baz=252,slow=8.0,SNR=20			LR		
ESDC	comp=2.32nm,0.8s,baz=269,slow=2.9,SNR=93			LR		
ESDC	comp=2.153nm,21.2s,MS3.8,baz=250,slow=30			LR		
ESDC	Sonsea Array	40.94	49	P	03 22 31.3 -0.2	
SCHO	Schefferville	40.95	340	P	03 22 32.3 +0.9	
SCHO	comp=2.54nm,1.0s,mb4.9			LR		
SCHO	Schefferville	40.95	340	P	03 22 31.9 +0.4	
SCHO	comp=2.16nm,0.8s,mb4.7			LR		
SCHO	comp=2.153nm,20.8s,MS3.8,baz=349,slow=33			LR		
SCHO	Schefferville	40.95	340	eP	03 22 31.9 +0.4	
SCHO	comp=2.16nm,0.8s,mb4.7			LR		
EQES	Quesada	40.99	52	P	03 22 31.7 -0.2	
EQES	comp=2.12nm,0.8s,mb4.6			LR		
GUD	Guadarrama	41.16	48	P	03 22 33.7 +0.4	
GUD	comp=2.60nm,0.6s,mb4.4			LR		
LPAZ	La Paz	41.31	216	P	03 22 35.8 +1.1	
LPAZ	comp=2.70nm,0.8s,mb4.3,baz=20,slow=8.9,SNR=20			LR		
LPAZ	comp=2.78nm,21.1s,MS3.5,baz=282,slow=36			LR		
LPAZ	La Paz	41.31	216	eP	03 22 35.4 +0.7	
LPAZ	comp=2.52nm,0.9s,mb4.9			LR		
EHUE	Huescar	41.35	53	P	03 22 35.6 +0.7	
EHUE	comp=2.47nm,0.8s,mb4.2			LR		
LRAL	Lakeview Retre	41.40	300	eP	03 22 37.3 +2.0	
LRAL	comp=2.14nm,0.9s,mb4.6			LR		
AAM	Ann Arbor	41.62	315	eP	03 22 36.3 -0.7	
AAM	comp=2.19nm,0.4s,mb5.1			LR		
AAM	comp=2.383nm,21.0s,MS4.2			LR		
WCI	Wyandotte Cave	42.09	308	eP	03 22 41.7 +0.7	
WCI	comp=2.11nm,1.0s,mb4.4			LR		
WCI	comp=2.24m,20.0s,MS4.9			LR		
ETOB	Tobarra	42.39	52	P	03 22 43.9 +0.4	
ETOB	comp=2.19nm,0.8s,mb4.9			LR		
ELAN	Lanzarote	42.65	45	P	03 22 44.2 -1.4	
ELAN	comp=2.102nm,1.7s,mb5.3			LR		
PLAL	Pickwick Lake	42.66	303	eP	03 22 46.5 +0.8	
PLAL	comp=2.20nm,0.8s,mb4.9			LR		
PLAL	comp=2.361nm,20.0s,MS4.3			LR		
ETOR	Torete	42.71	48	P	03 22 45.1 -1.0	
ETOR	comp=2.28nm,1.2s,mb4.9			LR		
WVT	Waverly	42.72	304	eP	03 22 47.1 +0.9	
WVT	comp=2.19nm,0.9s,mb4.8			LR		
WVT	comp=2.352nm,21.0s,MS4.2			LR		
EBEN	Beniarza	43.39	52	P	03 22 52.8 +1.2	
EBEN	comp=2.255nm,1.8s,mb5.0			LR		
OXF	Oxford	43.65	302	eP	03 22 52.6 -1.2	
OXF	comp=2.33nm,1.0s,mb5.0			LR		
OXF	comp=2.316nm,22.0s,MS4.2			LR		
EMOS	Mosquera	43.70	50	P	03 22 54.7 +0.6	
EMOS	comp=2.52nm,1.7s,mb5.0			LR		
ESAC	San Caprasio	44.14	48	P	03 22 57.4 -0.2	
ESAC	comp=2.86nm,1.2s,mb4.4			LR		
ERTA	Horta de San J	44.47	49	P	03 22 59.9 -0.4	
ERTA	comp=2.101nm,2.1s,mb5.2			LR		
ETSF	Etsaut	44.48	46	eP	03 23 01.4 +1.0	
ETSF	comp=2.35nm,0.9s,mb4.8			LR		
QUIF	Quistric	44.86	39	eP	03 23 03.3 -0.1	
QUIF	comp=2.160nm,1.5s,mb5.2			LR		
ROSF	Rostrene	45.00	38	eP	03 23 04.8 +0.3	
ROSF	comp=2.458nm,1.7s,mb5.7			LR		
EPOB	Poblet	45.12	49	P	03 23 05.9 +0.3	
EPOB	comp=2.24nm,1.1s,mb5.0			LR		
EPF	Esparrros	45.14	46	eP	03 23 06.7 +1.0	
EPF	comp=2.42nm,1.1s,mb4.9			LR		
FVM	French Village	45.17	306	eP	03 23 06.7 +0.6	
FVM	comp=2.22nm,1.0s,mb4.9			LR		
SGFM	Saint Gilles	45.38	38	eP	03 23 07.7 +0.2	
SGFM	comp=2.81nm,1.1s,mb5.2			LR		
DCN	Croghan	45.57	30	eP	03 23 09.5 +0.6	
DCN	comp=2.12nm,0.9s,mb4.6,baz=32,slow=7.9,SNR=22			LR		
CPUP	Villa Florida	45.66	197	P	03 23 09.1 -1.0	
CPUP	comp=2.90nm,19.2s,MS3.7,baz=241,slow=39			LR		
CPUP	Villa Florida	45.66	197	P	03 23 09.1 -1.0	
CPUP	comp=2.72nm,0.9s,mb4.9			LR		
CCM	Cathedral Cave	45.82	306	eP	03 23 11.7 +0.5	
CCM	comp=2.14nm,1.0s,mb4.6			LR		
CCM	comp=2.433nm,22.0s,MS4.3			LR		
DLF	Lyons Farm	45.86	31	eP	03 23 12.0 +0.5	
DLF	comp=2.267nm,1.1s,mb5.0			LR		
DMUB	The Freestone	46.08	44	eP	03 23 13.5 +0.6	
DMUB	comp=2.91nm,1.1s,mb5.3			LR		
MFF	Saint Martin d	46.15	42	eP	03 23 14.1 +0.5	
MFF	comp=2.67nm,1.1s,mb5.0			LR		
JFWS	Jewell Farm	46.38	313	PFAKE	03 23 30.0 +1.5	
JFWS	comp=2.405nm,19.0s,MS4.4			LR		
GRR	Gorron	46.45	39	eP	03 23 16.1 +0.1	
GRR	comp=2.103nm,1.3s,mb5.3			LR		
MTLF	Montlieu	46.54	47	eP	03 23 16.9 +0.2	
MTLF	comp=2.53nm,1.4s,mb5.2			LR		
RJF	Les Rejaudoux	46.73	44	eP	03 23 18.0 -0.2	
RJF	comp=2.31nm,0.8s,mb5.0			LR		
RJF	comp=2.86nm,20.5s			LR		
FLN	La Foliniere	46.84	39	eP	03 23 19.3 +0.3	
FLN	comp=2.17nm,0.7s,mb4.8			LR		
FLN	comp=2.67nm,20.8s			LR		
CAF	Calviac	46.96	44	eP	03 23 20.1 +0.1	
CAF	comp=2.34nm,0.8s,mb5.0			LR		

Table of astronomical observations for 3d 5h, listing objects like Paradox Valley, OJC, NIE, SKO, etc., with their coordinates and observation details.

Table of astronomical observations for 2004 APR, listing objects like BOYT, CTAK, OCWA, AVNT, etc., with their coordinates and observation details.

Table of astronomical observations for NEIC 03:03:20:27.1:0.9, 12.57N-86.54W, h10km, mb4.1/1, Error ellipse: s-maj=26.3km s-min=19.2km az=51.0, listing objects like Code, Station Name, etc., with their coordinates and observation details.





MDJ		S	S	09 21 52.7 +0.8
MDJ		SS	SS	09 22 12.1 +0.6
MDJ		SS	SS	09 27 05.3 -0.3
MDJ	comp-Z,32nm,4.0s	AMB	AMB	
PGC	Sidney	78.98	32 eP	09 12 18.4 -0.4
WUAZ	Wupatki	79.01	48 eP	09 12 19.7 +0.4
BBB	Bella Bella	79.16	27 P	09 12 20.0 +0.3
BBB	Bella Bella	79.16	27 P	09 12 20.0 +0.3
EBB	Ellensburg	79.41	34 P	09 12 21.8 +0.6
PRW	Prosser	79.47	35 P	09 12 22.3 +0.8
NJ2	Nanjing	79.50	308 eP	09 12 23.2 +1.2
NJ2	comp-Z,30nm,0.6s,mb5.2	AMB	AMB	
HAWA	Hanford	79.66	35 eP	09 12 22.3 -0.2
WRW	Wenatchee Ridg	79.82	34 P	09 12 23.6 +0.3
RPW	Rockport	79.85	33 P	09 12 22.9 -0.5
WAH2	Wahluke Slope	79.86	35 P	09 12 24.2 +0.6
MSU	Marysville	79.91	45 eP	09 12 24.5 +0.5
MSU	Paradox Valley	80.01	46 eP	09 12 30.8 +4.2
NMR	Linnton Mounta	80.06	36 eP	09 12 24.4 -0.2
PNR	Palmer	80.11	12 eP	09 12 24.2 -0.4
WTV	Waterville	80.22	34 P	09 12 25.7 +0.3
NLW	Nelson Butte	80.24	34 P	09 12 25.7 +0.4
NLU	North Lily Min	80.70	44 P	09 12 31.2 -0.9
CN2	Changchun	80.76	321 eP	09 12 29.6 +1.2
CN2		81.01	51 eP	09 13 37.2 +6.2
CN2		81.01	51 eP	09 22 16.2 +3.5
CN2	comp-Z,20nm,0.7s,mb5.0	AMB	AMB	
HLID	Hailey	81.07	40 eP	09 12 30.1 +0.2
HLID	Newport	82.09	35 eP	09 13 38.7 +6.0
HVU	Hansel Valley	81.17	42 eP	09 12 30.4 -0.1
DPW	Davenport	81.27	35 P	09 12 30.5 -0.4
CTU	Camp Tracy	81.28	43 eP	09 12 31.0 -0.2
SRU	San Rafael	81.33	45 eP	09 12 31.7 +0.2
PNT	Penitencio	81.37	40 eP	09 12 31.4 +0.4
JLU	Jordanelle	81.44	44 P	09 12 31.9 0.0
DAU	Daniels Canyon	81.47	44 P	09 12 32.5 +0.3
LENM	Lemitar	81.61	51 eP	09 12 33.6 +0.6
MNTX	Cornudas Mount	81.77	54 eP	09 12 33.9 0.0
MNTX		82.09	35 eP	09 13 43.1 +6.4
BNM	Barren Site	81.86	51 eP	09 12 34.8 +0.5
HWUT	Hardware Ranch	81.86	43 eP	09 12 33.6 -0.5
PV10	Paradox Valley	82.09	46 eP	09 12 35.2 +0.2
NEW	Newport	82.09	35 eP	09 12 35.2 0.0
NEW	comp-Z,6.9nm,0.7s,mb4.5,baz=210,slow=4.5,SNR=12			09 12 35.2
NEW	comp-Z,6.9nm,0.7s,baz=210,slow=4.5,SNR=12			09 12 34.4 -0.8
NEW	Newport	82.09	35 eP	09 12 36.8 +0.8
TXAR	Lajitas Array	82.16	57 P	09 12 36.8 +0.8
TXAR	comp-Z,10nm,0.8s,mb4.6,baz=219,slow=8.0,SNR=101			
PV01	Paradox Valley	82.22	47 eP	09 12 36.2 +0.1
MCMT	McKenzie Canyo	82.69	39 eP	09 12 39.0 +0.7
AHD	Auburn Hatcher	82.74	42 eP	09 12 42.1 -0.3
GSD	Guadalupe Moun	82.76	54 P	09 12 39.3 +0.3
MISOL	Missoula	83.09	37 eP	09 12 39.2 -1.1
CLNB	Carlsbad	83.17	54 eP	09 12 41.1 0.0
REDW	Red Top Meadow	83.19	49 eP	09 12 41.7 -0.2
COLA	College	83.33	11 eP	09 12 41.0 -0.2
COLA			LR	LR
ILAR	Eielson Array	83.43	12 P	09 12 41.4 -0.3
ILAR	comp-Z,4.9nm,0.8s,mb4.6,baz=223,slow=5.9,SNR=28			
KSWY	Kelly School	83.46	41 eP	09 12 42.5 +0.3
IMAH	Indian Mountai	83.48	9 eP	09 12 41.6 -0.3
IMAH	comp-Z,59nm,1.4s,mb5.2			
CPRX	Cap Rock	83.48	53 eP	09 12 42.8 +0.2
CHMT	Chamberlain	83.54	37 eP	09 12 42.7 -0.3
QLMT	Earthquake Lak	83.56	40 eP	09 12 43.6 +0.8
PDAR	Pinedale Array	83.73	42 eP	09 12 44.0 +0.4
PDAR	comp-Z,1.3nm,0.7s,mb4.9,baz=214,slow=3.5,SNR=104			
YMR	Madison River	83.77	40 eP	09 12 44.6 +0.8
LCCM	Lewis and Clar	83.79	39 eP	09 12 44.6 +0.7
BOZ	Bozeman (W)	83.85	39 eP	09 12 43.9 -0.3
BOZ	comp-Z,4.9nm,1.4s,mb5.1			
HRY	Holter Researc	84.27	38 eP	09 12 46.1 -0.1
WALA	Waterton Lakes	84.30	35 P	09 12 45.8 -0.5
WALA	comp-Z,4.9nm,1.6s,mb5.1			
DAWY	Dawson	84.47	15 eP	09 12 46.8 0.0
BWJ	Beijing	84.97	314 eP	09 12 51.1 +1.2
BWJ	comp-Z,21nm,1.2s,mb4.8		AMB	AMB
BWJ	comp-N,318nm,6.1s		LR	LR
BWJ	comp-E,156nm,7.6s		LR	LR
BWJ	comp-Z,67nm,21.4s		LR	LR
ISCO	Idaho Springs	85.03	46 eP	09 12 50.0 -0.2
ISCO	comp-Z,4.7nm,1.1s,mb4.2			
BILL	Bilibino	85.05	353 eP	09 12 50.2 +0.6
BILL	comp-Z,8.8nm,1.1s,mb4.1			
JCT	Junction City	85.70	57 eP	09 12 53.3 -0.4
JCT	comp-Z,24nm,1.0s,mb5.0			
ENH	Enshi	86.14	303 eP	09 12 56.6 +0.6
ENH	comp-Z,29nm,1.4s,mb4.2			
MAW	Mawson	86.66	199 P	09 12 58.4 +0.9
MAW	comp-Z,7.9nm,1.1s,mb4.5,baz=143,slow=10,SNR=3.7			
MAW	Mawson	86.66	199 P	09 12 56.8 -0.7
HIA	Hailar	86.94	323 eP	09 12 59.6 +0.3
HIA	comp-Z,7.9nm,0.8s,mb4.2			
RSSD	Black Hills	87.93	43 eP	09 13 03.6 -0.4
RSSD	comp-Z,8.7nm,1.0s,mb4.5			
HHC	Hu-ho-hao-te	88.51	313 eP	09 13 08.9 +2.1
HHC			AP	AP
HHC			SKS	SKS
HHC			S	S
HHC			AMB	AMB
HHC			AMB	AMB
INK	Inuvik	89.31	14 P	09 13 09.7 -0.2
INK	comp-Z,2.3nm,0.8s,mb4.2,baz=225,slow=4.1,SNR=13			
INK	Inuvik	89.31	14 eP	09 13 09.0 -0.9
INK	comp-Z,4.6nm,1.1s,mb4.2			
PLCA	Paso Flores	90.05	133 eP	09 13 14.5 +0.5
KSU1	Kansas State U	91.19	50 eP	09 13 19.0 -0.4
YKA	Yellowknife Ar	91.31	24 P	09 13 19.2 -0.1
YKA	comp-Z,0.9nm,0.7s,baz=238,slow=4.7,SNR=32			
YKA			PP	PP
YKA			PP	PP
CMAR	Chiung Mai Arr	91.53	289 P	09 13 23.2 +1.8
CMAR	comp-Z,4.9nm,0.7s,mb4.7,baz=210,slow=2.7,SNR=9.1			
SYO	Syowa Base	91.61	192 P	09 13 21.0 +0.4
SYO	Syowa Base	91.61	192 P	09 14 31.2 +6.7
SYO	Syowa Base	91.61	192 P	09 14 59.4 +8.1
SYO	Syowa Base	91.61	192 P	09 13 21.0 +0.4
SYO	Syowa Base	91.61	192 P	09 14 31.2 +6.7
SYO	Syowa Base	91.61	192 P	09 14 59.4 +8.1
SYO	Syowa Base	91.61	192 P	09 17 04.6 +0.2
SNA	Sanae	92.25	177 P	09 13 17.5 -0.1
VNA3	Neumayer Olymp	92.26	175 P	09 13 19.8 -3.8
JTS	Juntabangare	92.30	80 P	09 13 28.5 +1.5
JTS	comp-Z,1.8nm,0.9s,mb5.0,baz=327,slow=6.3,SNR=14			
VNA2	Neumayer-Wat	92.74	176 P	09 13 25.7 -0.1
UALR	University of	93.06	55 eP	09 13 28.2 0.0
ULN	Ulanbaatar	94.06	319 eP	09 13 32.3 0.0
ULN	comp-Z,4.9nm,0.9s,mb4.2			
CCM	Cathedral Cave	94.86	52 eP	09 13 34.9 -1.4
ULM	Lac du Bonnet	95.37	39 P	09 13 37.0 -1.3
ULM	comp-Z,3.2nm,0.9s,mb4.5,baz=247,slow=4.6,SNR=5.1			
MKAR	Makanchi Array	110.35	314 PKP	09 29 45.5
MKAR	comp-Z,1.0nm,0.8s,baz=305,slow=9.1,SNR=7.0			
MKAR			PKP	PKP
MKAR			PKP	PKP
MKAR			PKP	PKP
ARCES	ARCCESS Array B	125.13	351 PKP	09 19 11.8 +0.3
ARCES	ARCCESS Array B	125.13	351 PKP	09 19 11.8 +0.3
FINES	FINES Array B	132.34	347 PKP	09 19 26.9 +1.4
FINES	comp-Z,2.5nm,1.0s,baz=45,slow=2.7,SNR=4.4			
KMBO	Kilima Mbogo	143.97	245 PKP	09 19 49.0 +1.2
KMBO	comp-Z,4.9nm,0.6s,baz=60,slow=6.4,SNR=16			
KMBO	Kilima Mbogo	143.97	245 ePKP	09 19 48.6 +0.8

KSP	Ksiaz	144.23	348 ePKP	09 19 47.1 0.0
CLL	Collin	144.35	352 P	09 19 47.6 +0.5
CLL			PKP	PKP
UPC	Upiece	144.61	348 ePKP	09 19 48.2 +1.5
UPC			x	x
BRG	Berggiesshubel	144.63	350 ePKP	09 19 49.1 +1.3
BRG			x	x
DPC	Dobruska-Polom	144.69	348 ePKP	09 19 49.9 +1.7
DPC			x	x
CRVS	Cervenica-Dubn	144.70	341 ePKP	09 21 06.7 +8.7
CRVS			x	x
OKC	Ostrava-Krasne	144.76	345 ePKP	09 19 49.7 +1.6
OKC	Panska Vese	144.76	350 ePKP	09 19 49.7 +1.5
PVCC	Moravsky Berou	144.97	346 ePKP	09 19 50.0 +1.6
GRIAC	Moxa	145.18	353 P	09 19 50.7 +2.0
GRIAC	comp-Z,logT=1.3			
MOX	Moxa	145.18	353 ePKP	09 19 50.7 +2.0
PRU	Pruhonice	145.38	349 ePKP	09 19 50.8 +1.7
PRU			x	x
NKC	Novy Kostel	145.47	352 ePKP	09 19 51.5 +2.3
NKC			x	x
VYHS	Vyhne	145.83	344 e	09 19 51.8 +1.9
VYHS			e	e
VYHS	Vyhne	145.83	344 e	09 20 00.3 +1.0
VYHS			e	e
GIVF	Givet	146.11	0 ePKP1	09 19 52.7 +1.0
BAIF	Baives	146.15	1 ePKP1	09 19 53.1 +1.3
GRA1	Grafenberg Arr	146.16	353 ePKP	09 19 53.9 +3.4
GRA1			x	x
KHC	Kasperke Holy	146.38	350 ePKP	09 19 52.4 +1.5
KHC			x	x
KHC			x	x
KHC			x	x
WLF	Walterfange	146.54	359 ePKP	09 19 54.4 +1.6
GERES	GERESS Array B	146.63	350 PKP	09 19 55.0 +2.1
GERES	comp-Z,1.3nm,0.7s,baz=80,slow=4.0,SNR=8.9			
FLN	La Foliniere	147.13	7 ePKP1	09 19 55.4 +3.1
LDF	La Druitiere	147.33	7 ePKP1	09 19 56.0 +3.5
SGMF	Saint-Gilles	147.34	0 ePKP1	09 19 55.9 +3.3
GRR	Gorron	147.45	7 ePKP1	09 19 56.6 +3.9
MEZF	Mazieres J'vi	147.72	0 ePKP1	09 19 56.9 +3.8
DAU	Champ du Feu	147.76	357 ePKP1	09 19 57.6 +4.4
HAU	Haudoume	148.20	358 ePKP1	09 19 58.7 +4.8
LOR	Lormes	148.93	2 ePKP1	09 20 00.7 +5.7
SSF	Saint-Julien-1	149.12	2 ePKP1	09 20 01.4 +6.0
SSF	comp-Z,29nm,1.1s			
MFF	Martin d	149.29	7 ePKP1	09 20 01.3 +5.7
MFF	comp-Z,44nm,1.2s			
AVF	Avril sur Loir	149.39	2 ePKP1	09 20 01.6 +5.8
AVF	comp-Z,69nm,1.4s			
SMF	Signal de Mont	149.55	2 ePKP1	09 20 02.1 +6.1
CABF	Cabane	149.60	359 ePKP1	09 20 02.9 +6.8
CABF	comp-Z,65nm,1.1s			
BGF	Bois d'Agland	149.60	3 ePKP1	09 20 02.4 +6.3
BGF	comp-Z,42nm,1.0s			
TCF	Toulx Ste Croi	149.83	4 ePKP1	09 20 02.7 +6.3
TCF	comp-Z,69nm,1.3s			
LPL	La Plagne	150.67	358 ePKP1	09 20 05.8 +8.1
LPL	comp-Z,26nm,1.0s			
LPG	La Plagne	150.69	358 ePKP1	09 20 06.0 +8.2
LPG	comp-Z,8nm,0.8s			
RJF	Les Rejoudoux	150.75	5 ePKP1	09 20 04.9 +7.0
RJF			x	x
LFF	La Frestaule	151.04	6 ePKP1	09 20 05.5 +7.2
CAF	Calvia	151.17	5 ePKP1	09 20 06.0 +7.5
ORIF	Oris-Rattie	151.29	359 ePKP1	09 20 06.7 +8.0
ORIF	comp-Z,11nm,0.8s			
VIVF	Saint-Julien-1	151.36	1 ePKP1	09 20 06.8 +8.0
VIVF	comp-Z,26nm,1.0s			
MBDF	Montbard	151.46	358 ePKP1	09 20 07.0 +8.1
MBDF	comp-Z,20nm,0.8s			
LASF	Ste Croix	152.12	2 ePKP1	09 20 08.5 +8.5
LASF	comp-Z,15nm,0.8s			
SMR	Simiane la Ro	152.24	359 ePKP1	09 20 09.2 +9.1
SMR	comp-Z,9nm,0.9s			
FRF	La Foret Royal	152.63	358 ePKP1	09 20 11.4 +1.1
MTL	Montlieux	152.76	5 ePKP1	09 20 09.6 +8.7
MTL	comp-Z,17nm,1.1s			
ETSF	Etsaut	152.87	9 ePKP1	09 20 10.3 +9.3
ETSF	comp-Z,14nm,0.8s			
PGF	Pioggiola	153.46	354 ePKP1	09 20 10.8 +8.9
PGF	comp-Z,21nm,1.0s			
ESDC	Sonsecra Array	155.22	17 PKP	09 20 33.0 -0.1
ESDC	comp-Z,2.2nm,0.7s,baz=334,slow=3.9,SNR=9.5			

MOS 03 09:57:4.1,6.3,31S; 127.11E, h33km, mb5.0, Error ellipse: s-maj=27.



Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Novosibirsk, Borovoye, Tiksi, Vanda, Scott Base, etc.

NIED 03 09:09:00.45, 10N, 148.90E, h56km, Mw3.8 Best double couple: Mo=5.92x10^14 NP1=215°, delta=78°, lambda=71°. NP2=93°, delta=22°, lambda=145°.

IDC 03 09:09:23.52, 2.2, 45.66N, 149.11E, mb3.6/3, mb1 3/8/4, mb1mx3.6/19, ML3.2/1, Error ellipse: s-maj=72.1km s-min=27.3km az=162.0.

MOS 03 09:09:28.2, 0.9, 45.59N, 148.84E, h58km, mb4.7/4, Error ellipse: s-maj=30.4km s-min=23.6km az=155.9.

NEIC 03 09:09:28.7, 4.3, 45.58N, 149.01E, h42km, mb4.1km, mb4.6/2, Error ellipse: s-maj=41.0km s-min=17.9km az=124.0.

ISC 03 09:09:28.8, 0.8, 45.55N, 149.19E, h42km, n15, r121/13, mb3.9/5, 1C, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Kuril'sk, Asahikawa, Yuzh-Sakhalins, etc.

IDC 03 09:15:14.3, 1.7, 2.71S, 128.33E, mb3.8/3, mb1 4/1/5, mb1mx4.0/14, ML4.1/2, Error ellipse: s-maj=90.3km s-min=15.7km az=69.0.

NEIC 03 09:15:28.5, 3.2, 3.04S, 127.87E, h122km, mb4.3/1, Error ellipse: s-maj=42.5km s-min=16.6km az=63.0.

ISC 03 09:15:13.1, 3.2, 2.65, 0.1, 128.3E, 0.4, h7km, n20km, n10, r0563/12, mb3.9/3, Ceram Sea

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

IDC 03 09:35:55.2, 1.9, 5.21S, 133.32E, mb3.7/2, mb1 4/2/5, mb1mx4.0/12, ML3.9/3, MS3.5/2, Ms1 3.5/2, ms1mx2.9/21, Error ellipse: s-maj=83.2km s-min=13.7km az=83.0.

NEIC 03 09:35:56.3, 0.8, 5.16S, 133.40E, h10km, Error ellipse: s-maj=17.6km s-min=11.0km az=60.0.

ISC 03 09:35:58.6, 2.9, 5.25S, 133.5E, 0.1, h45km, 31km, n15, r15/219, mb3.7/2, MS3.1/1, Aru Islands region

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

NEIC 03 09:38:25.1, 1.1, 51.57N, 16.18E, h5km, ML3.0(SZGRF), ML3.0(VIEM), ML2.7(CLL), ML2.7(BRG), Error ellipse: s-maj=12.7km s-min=5.2km az=197.0.

WAR 03 09:38:26.9, 51.51N, 16.18E, h1km, Location given by Rudna mine, origin time based upon KSP

PRU 03 09:38:26.5, 51.49N, 16.14E, ISC 03 09:38:25.3, 0.8, 51.43N, 0.04, 16.07E, 0.04, n23, r125/50, 2C, Poland

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Ksiaz, Dobrauska-Polom, Panska Ves, etc.

JMA 03 09:56:57.8, 0.2, 37.18N, 142.06E, h38km, M4.9, JMA Felt II, BJI 03 09:56:57.6, 37.21N, 141.67E, h7km, mb4.8, mb4.7, Ms4.6, Ms2.7.

HRVD 03 09:56:58.9, 0.6, 37.20N, 142.06E, h22km, 1km, MW4.8/27, Centroid moment tensor solution. LP body waves: s14, c18, Mantle waves: s27, c37; Half duration: 0 Moment tensor: Scale 10^16Nm; Mr: 1.69t, 18; Mw: 1.07t, 13; Mo: 0.62t, 12; Mo: 0.90t, 18; Mo: 0.60t, 07; Mo: 0.48t, 15;

Best double couple: Mo=1.89x10^16 NP1=307°, delta=29°, lambda=95°. NP2=122°, delta=61°, lambda=87°. Principal axes: T 1.99, P1g74, Azm24; N-21, P1g2. Azm123; P-1.78, P1g16.

NEIC 03 09:56:58.9, 0.2, 37.20N, 142.06E, mb4.9/28, MS5.2/1 Error ellipse: s-maj=5.4km s-min=4.0km az=144.0

NEIC Recorded (2 JMA) in Fukushima and (1 JMA) in Miyagi and Tochigi Prefectures. IDC 03 09:56:58.8, 0.4, 37.18N, 142.07E, h20km, 2km, mb4.4/8, mb1 4.6/23, mb1mx4.6/25, ML4.2/5, MS4.1/7, Ms1 1.7, Ms1 1.7, ms1mx3.8/34, Error ellipse: s-maj=15.6km s-min=10.1km az=92.0.

MOS 03 09:56:59.6, 0.9, 37.34N, 142.02E, h33km, mb5.1/28, Error ellipse: s-maj=9.9km s-min=6.4km az=98.6

NIED 03 09:57:00, 37.10N, 142.20E, h23km, Mw4.7 Best double couple: Mo=1.38x10^16 NP1=138°, delta=55°, lambda=97°. NP2=302°, delta=26°, lambda=76°.

ISC 03 09:56:57.6, 0.2, 37.20N, 142.03E, 0.03, h24km, h24km, 1.2km, n192, r108/214, mb4.7/68, MS4.3/12, 7C-8D, East coast of Honshu

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

YSS Yuzh-Sakhalins 9.76 3 eP P 09 59 16.9 -2.7

YSS Yuzh-Sakhalins 9.76 3 eP P 10 01 04.0 -5.5

YSS Yuzh-Sakhalins 9.76 3 eP P 09 59 17.8 -1.9

JNU Nakatsue 10.01 249 Pn P 09 59 23.8 +0.7

CBIJ Chichijima 10.08 179 Pn P 09 59 18.8 -5.3

KS15 Wunju Array S1 11.28 276 eP P 09 59 42.8 +2.3

MDJ Mudanjing 11.98 312 eP P 09 59 46.5 -3.4

MDJ Mudanjing 11.98 312 eP P 09 59 53.5

MDJ Mudanjing 11.98 312 eP P 09 59 57.3 -2.0

MDJ Mudanjing 11.98 312 eP P 09 59 58.5

MDJ Mudanjing 11.98 312 eP P 09 59 59.6 -1.4

MDJ Mudanjing 11.98 312 eP P 09 59 59.6 -1.4

MDJ Mudanjing 11.98 312 eP P 09 59 59.6 -1.4

MDJ Mudanjing 11.98 312 eP P 09 59 59.6 -1.4

MDJ Mudanjing 11.98 312 eP P 09 59 59.6 -1.4

MDJ Mudanjing 11.98 312 eP P 09 59 59.6 -1.4

TIA Tai'an 20.00 275 eP P 10 01 29.1 -2.3



Table with columns: Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Chul'man, Hu-ho-hao-te, Yakutsk, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Shillong, Makanchi Array, Wau Kurchatov, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like SOC, Columbia Colle, Fort Churchill, etc.

IDC 03 09:57:07.8:0.5, 30.01s; 71.9KW, mb5.1/17, mb1 5.2/19, mb1mx5.1/20, MLR 4.5/2, MSS.1/12, Ms1 5.1/12, ms1mx4.9/18, Eror ellipse: s-maj=23.2km s-min=13.7km az=81.0
GUC 03 09:57:11.2:1.0, 29.95s; 72.04W, h35km, ML5.5
BUJ 03 09:57:12.2, 29.02s; 72.10W, h34km, mb5.7, Ms5.3, Msz5.2
MOS 03 09:57:12.0:1.2, 29.92s; 72.11W, h34km, mb5.7/29, MSS.1/4, Eror ellipse: s-maj=16.6km s-min=7.7km az=107.6
HRVD 03 09:57:13.1:0.2, 30.04s; 72.35W, h28km, MW5.6/65, Centroid moment Tensor Solution. LP body waves: s60, c104; Mantle waves: s65, c128; Half duration: 1s4 Moment tensor: Scale 10^17Nm; Mr: 1.47: 0.4; M: 0.32: 0.3; Mw: 1.79: 0.4; Ms: 0.35: 0.5; Msz: 0.67: 0.3; Mr: 1.30: 0.7; Best double couple: Mo2.2x10^17 NP1: phi=320, delta=33, lambda=50. NP2: phi=185, delta=55, lambda=113. Principal axes: T 2.1, P1g62, Azm131; N 2.4, P1g21, Azm355; P-2.35, P1g17, Azm258; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
SYO 03 09:57:13.1, 29.99s; 71.99W, h35km, MB5.5, MS5.1
NEIC 03 09:57:13.1:0.1, 29.98s; 71.99W, mb5.5/60, MS5.1/80, MW5.4 ML5.5 (GUC); Eror ellipse: s-maj=4.5km s-min=2.2km az=68.0, Moment Tensor Solution. s15 Moment tensor: Scale 10^17Nm; Mr: 1.19; Mw: 0.06; Ms: 1.13; Msz: 0.37; Mw: 0.49; Msz: 0.57; Best double couple: Mo1.4x10^17 NP1: phi=318, delta=0, lambda=56. NP2: phi=180,

358°, λ115°. Principal axes: T 1.47, Plq67°, Azm139°; N
-, 09, Plq21°, Azm346°; P -1, 38, Plq10°, Azm252°;
NEIC Felt [IV] at Combarbala, Illapel and Ovalle; [III] at
Coquimbo and La Serena.
ISC 03:09:57.12.0.0.6, 29.985.0.02.72.02W, 0.05, h38km, 5km,
h40km, 3.2km, pp-P, n336, 0.8189/215, mb5.4/70, MS5.1/91,
27C20, Off coast of central Chile

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

Table with columns: MGP, Maguayo, SJG, San Juan, etc. Lists seismic events with magnitude, location, and time.

Table with columns: AAM, comp=Z.26nm, 0.6s, mb5.3, LR, etc. Lists seismic events with magnitude, location, and time.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ETOS Mallorca, CASM Ain Smara, EBEN Beniarda, etc.

IDC 03 10:42:05.3,13.0,20.43S,177.76W,h524km,168km, s-maj=3.3,3.8,mb1mx3.1/15, Error ellipse: s-maj=72.5km s-min=28.3km az=10.0

ISC 03 10:42:02.6,1.0,20.3S,0.2-177.9W,0.2,h500km,n11, o=079/11,mb3.5/7,Fiji Islands region

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

OTT 03 10:44:37.9,0.1,60.31N,70.34W,h18km,MN2.1/5,40km northwest from Kangirsuk, Quebec Boothia Ungava Seismic Zone, Northern Quebec

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KUQ Kuujuaa, FRB Frobisher Bay, ARCS Schefferville, etc.

IDC 03 10:54:02.6,4.8,30.28S,178.20W,mb3.5/2,mb1 3.8/2,mb1mx3.6/12, Error ellipse: s-maj=297.0km s-min=66.5km az=167.0, Kermadec Islands

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

DJA 03 10:54:32.0,1.0,7.30S,113.63E,h176km,11km,MD4.8/3,ML4.0/3,4C-5D, Error ellipse: s-maj=56.1km s-min=22.0km az=13.0, Jawa

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

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

IDC 03 11:21:55.3,3.1,52.37N,159.80E,mb3.8/5,mb1 3.9/5,mb1mx3.6/20, Error ellipse: s-maj=90.6km s-min=17.1km az=9.0

NEIC 03 11:22:00.9,1.7,52.09N,159.68E,h53km,15km,mb4.2/1, Error ellipse: s-maj=26.9km s-min=15.3km az=190.0

KRSC 03 11:22:02.1,1.2,52.81N,160.27E,h27km,3km,ML4.0 MOS 03 11:22:02.4,3.2,53.49N,160.37E,h36km,mb4.3/3, Error ellipse: s-maj=30.5km s-min=23.3km az=65.2

ISC 03 11:22:02.0,2.0,52.79N,0.04-160.34E,0.07,h48km,6km,mb4.6/18,mb3.9/5,1D, Off east coast of Kamkatka Peninsula

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SPN Mys Shipunski, NLC Nalytchevo, SDR Sredolovna, etc.

MEX 03 11:25:46.9,1.4,14.82N,94.65W,h9km,24km,MD4.6 NEIC 03 11:25:50.5,0.7,15.10N,94.30W,h48km,5km,mb4.7/47,MS4.5/4,MD4.6(MEX), Error ellipse: s-maj=7.9km s-min=5.2km az=223.0

IDC 03 11:25:50.6,3.5,15.00N,94.39W,h49km,30km,mb4.0/16,mb1 4.2/18,mb1mx2.2/19,ML4.4/3,MS4.2/12,MS1.4/2,12,ms1mx3.9/27, Error ellipse: s-maj=26.8km s-min=13.5km az=54.0

ISC 03 11:25:42.8,0.3,14.90N,0.04-94.41W,0.03,h9km,n131,o=131/136,mb4.7/53,MS4.2/10,5C-2D, Off coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HUIG Huatulco, CMIG Matias Romero, CMIG Matias Romero, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TUIG El Vigia, EVV Pinotepa, PNIAG Ciudad Serdan, etc.

UNM Universidad Na Tepic, 6.33 315 eP P 11 27 20.0 +1.3

TEIG 7.3nm,0.3s,baz=32,slow=19,SNR=2.5 LR 11 29 11.2 +0.3

TEIG comp=2.3um,19.3s,baz=315,slow=40 LR 11 31 03.6

TEIG Tepech 7.89 47 eP P 11 27 39.4 -1.2

MOIG Morelia 8.03 307 eP P 11 27 44.5 +2.1

SFJM Santa Fe 9.32 305 eP P 11 28 00.0 +3.0

JTS Justas Angare 10.31 115 P P 11 28 19.7 +5.6

ZAIG Zacatecas 10.99 317 eP P 11 28 25.1 +1.7

HKT Hockley 15.03 355 eP P 11 29 18.0 +0.8

PAYG Puerto Ayora 16.01 165 P P 11 29 36.9 +6.9

JCT Junction City 16.27 343 eP P 11 29 35.5 +2.1

TXAR Lajitas Array 16.71 331 P P 11 29 40.0 +1.1

TXAR Lajitas Array 16.71 331 P P 11 29 40.0 +1.1

LRAL Lakeview Retre 19.27 19 eP P 11 30 07.8 -2.6

CLNB Carlsbad 19.32 335 eP P 11 30 10.0 -1.0

GDZ Guadalupe Moun 19.46 334 eP P 11 30 13.2 +0.5

MINX Mt. Mount 19.49 331 eP P 11 30 13.8 +0.7

MIAR Mount Ida 19.52 2 eP P 11 30 12.0 -1.9

UALR University of 19.87 5 eP P 11 30 15.7 -1.6

CPRX Cap Rock 19.99 336 eP P 11 30 18.2 -0.4

WMOK Wichita Mounta 20.14 350 eP P 11 30 19.4 +0.7

PLAL Pickwick Lake 20.79 15 eP P 11 30 24.0 -2.9

GOGA Godfrey 20.93 26 P P 11 30 25.2 -3.1

OTAV Otavalo 21.48 131 eP P 11 30 39.0 +4.9

SWET Sewanee 21.61 19 eP P 11 30 33.6 -1.7

WWT Waverly 21.94 14 eP P 11 30 36.5 -2.0

BNN Bierma Site 22.11 332 eP P 11 30 42.0 +1.8

ROSC El Rosal 22.14 115 P P 11 30 44.8 +4.2

LENM Lemitar 22.28 332 eP P 11 30 44.1 +2.2

TUC Tucson 22.86 322 eP P 11 30 50.1 +2.3

SIUC Southern Illin 23.18 11 eP P 11 30 50.1 -0.7

CCM Cathedral Cave 23.23 6 eP P 11 30 49.9 -1.4

CBKS Cedar Bluff 24.27 350 eP P 11 31 02.2 +0.8

BLO Bloomington 25.15 15 eP P 11 31 08.6 -1.2

WUAZ Wupatki 25.55 327 eP P 11 31 15.4 +1.8

GLA Glamis 25.88 318 eP P 11 31 18.1 +1.3

PV01 Paradox Valley 26.31 334 eP P 11 31 22.5 +1.8

NEN Nelson 27.60 322 eP P 11 31 33.4 +0.8

DDM Soldier's Deli 28.88 29 P P 11 31 42.6 -1.4

SAU Daniels Canyon 29.36 333 eP P 11 31 49.9 +1.6

PCVR Pecos La Grada 29.43 96 LR 11 44 55.7

PDAR Pinedale Array 30.67 338 P P 11 31 59.9 -0.1

PDAR 2.4nm,1.1s,mb3.9,baz=138,slow=9.0,SNR=8.0 LR 11 45 42.2

PDAR comp=2.326nm,18.3s,MS4.0,baz=62,slow=39 LR 11 45 42.2

HVU Hansel Valley 31.14 333 eP P 11 32 04.8 +0.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include EHUE Huescar, ETSF Etsaut, LFF La Frost, EPF Esparros, RJF Les Rejaudoux, TCF Touk Ste Croi, BAIF Baives, BGF Bois d'Agland, NB2 NORSAR Subarra, NOA NORSAR Array B, NOA NORSAR Array A, SSF Saint Saulge, MTLF Montleux, LOR Lormes, SMF Signal de Mont, VIVES Saint-Julien-I, ARCES ARCESS Array B, ARCES ARCESS Array B, ARCES HAU, HAU Haudompre, HNF Hinterland, HDIF Champ du Feu, MBDF Montbard, TIC Toumudi, LIC Lamit, KIC Kosan Boka, GERES GERESS Array B, FINES FINESS Array B, MKAR Makanchi Array, WRA Waramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, HYB Hyderabad.

MOS 03 11:26:00.1±1.8, 47.50N; 146.87E, h305km, mb3.7/4, Error ellipse: s-maj=30.2km s-min=26.0km az=59.3
IDC 03 11:26:00.6±2.4, 46.94N; 147.22E, h320km, 36km, mb3.0/5, mb1 3.4/6, mb1mx3 1/20, Error ellipse: s-maj=59.2km s-min=20.4km az=174.0

NEIC 03 11:26:02.5-1.3, 47.56N; 147.01E, h320km, 14km, mb4.3/3, Error ellipse: s-maj=27.2km s-min=15.6km az=170.0
ISC 03 11:26:00.6±0.46, 46.44N; 0.1±147.0E, 0.1, h359km, 9km, n32, ±126/38, mb3.6/8, Northwest of Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include YSS Yuzh-Sakhalins, YSS Yuzh-Sakhalins, NEM2 Nemuro 2, NEM2 Nemuro 2, JTKR Abashiri-Toko, JSE Soyas, JWKE Keihoku, JAK Akkeshi, JAK Ashorobuto, ASAJ Asahikawa, ASAJ Asahikawa, JFR Furan, JCH Churui, JNB Urakawa-nobuka, JNKB Kuyata, JOT Ohata, ULN Ulaanbaatar, ULN Ulaanbaatar, ILAR Eielson Array, ILAR Eielson Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, KURK Kurchatov, INK Inuvik, INK Inuvik, BRVK Borovoye, NVAR Mina Array Bea, WRAB Tennant Creek, PDAR Pinedale Array, PV10 Paradox Valley, LTX Lajitas, TXAR Lajitas Array, TXAR Lajitas Array.

HRVD 03 11:42:56.6±0.9, 6.20S; 149.69E, h48km, 6km, MW4.7/24, Centroid moment Tensor Solution - LP body waves: s12:c15; Mantle waves: s24:c33; Half duration: 0 Moment tensor: Scale 10^19Nm; Mr:0.28; 30; Mw:0.67; 18; Mw-0.95; 19; Mw-0.46; 14; Mw-1.22; 12; Mw-0.01; 19; Best double couple: Mo:1.55x10^16 Np1:344; 872; 7.9; NP2:252; 882; 7.161; Principal axes: T 1.47, P1299; Azm207; N: 1.7, P1g70; Azm49; P: -1.63, P1g7; Azm299; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 03 11:42:56.6±0.9, 6.10S; 149.67E, h53km, 10km, mb4.9/3 Error ellipse: s-maj=17.0km s-min=9.1km az=126.0
IDC 03 11:43:00.9±2.0, 6.30S; 149.53E, h77km, 16km, mb4.8/8, mb1 4.7/10, mb1mx3 1/15, MS3.4/4, Ms1 3.4/4, ms1mx3 3/19, Error ellipse: s-maj=25.1km s-min=10.6km az=118.0

ISC 03 11:42:55.7±0.9, 6.21S; 0.06±149.63E, 0.07, h49km, 8km, n44, ±1508/49, mb4.5/14, MS3.3/2, 7C, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include KMBE Kimbe, WAU Wau, RAB Rabaul, PMG Port Moresby, PMG Port Moresby, CTA Charters Tower, CTA Charters Tower, CTA Charters Tower, KAKA Kakadu, WRAB Tennant Creek, WB2 Waramunga Arr, WRA Waramunga Arr, WRA Waramunga Arr, AS12 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ARMA Armadale, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, STKA Stephens Creek, STKA Stephens Creek, TOO Tootaling, FORT Forrest, KLR Kellerberrin, MUN Munding, JNU Naktusue, ENH Enshi, ULN Ulaanbaatar, LSA Lasa, GUN Gumba, PKI Pulchoki, KKN Kakanai, DMN Daman, GKN Gorkha, VNSA Vanda, KOLN Koldan, MKAR Makanchi Array, MKAR Makanchi Array, ZAL Zalesovo, KURK Kurchatov, MAW Mawson, QSPA South Pole Qui, QSPA South Pole Qui, ILAR Eielson Array, BRVK Borovoye Array, BRVK Borovoye, BRVK Borovoye.

DJA 03 11:45:47.1±0.9, 9.96S; 116.72E, h160km, MD4.7/4, ML4.3/4, Error ellipse: s-maj=29.4km s-min=20.5km az=21.0

ISC 03 11:45:49.0±2.8, 9.9S±0.4±116.6E, 0.2, h151km, 39km, n4, ±693/8, 7D, Sumbawa region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include KEDI Kedondong, KEDI Kedondong, RATI Rata, RATI Rata, INGI Ingas, INGI Ingas, KELI Kelatangan, KELI Kelatangan, KEDI Kedondong.

NEIC 03 11:51:21.0±2.5, 52.56N; 170.60W, h60km, 6km, ML3.3(AEIC), Error ellipse: s-maj=21.0km s-min=4.1km az=162.0

IDC 03 11:51:23.3±3.8, 52.64N; 170.65W, h79km, 35km, mb3.5/13, mb1 3.7/15, mb1mx3 6/25, Error ellipse: s-maj=32.4km s-min=15.3km az=8.0

ISC 03 11:51:20.0±0.6, 52.52N; 0.1±170.58W, 0.08, h65km, 6km, n37, ±1900/44, mb3.7/13, Fox Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include NIKO Nikolski, NIKO Nikolski, ATKA Atka Island, ATKA Atka Island, MSOD Makushin Gods, MSOD Makushin Gods, MSW Makushin Switc, MSW Makushin Switc, MNTV Makushin Natee, MNTV Makushin Natee, UNV Unalaska Valie, UNV Unalaska Valie, AHB Akutan Harbor, AHB Akutan, GSIG Igittin Island, GSIG Igittin Island, GSTR Great Sitkin T, GSTR Great Sitkin T, GSTR Great Sitkin T, GSTD Great Sitkin T, GSTD Great Sitkin T, ETKA Kagalaska Isla, ETKA Kagalaska Isla, ADAG Mount Adagadk, ADK Adak, ADK Adak, KIRH Kanaga Island, KIRH Kanaga Island, KINC Kanaga Island, KINC Kanaga Island, KIMD Kanaga Island, KIMD Kanaga Island, GSIW Dolgoi Island, GSIW Dolgoi Island, FX1 Attu Island, FX1 Attu Island, ILAR Eielson Array, ILAR Eielson Array, DLBC Eielson Array, DLBC Eielson Array, INK Inuvik, INK Inuvik, YKA Ykaguk, YKA Ykaguk, NEW Newport, NEW Newport, NEW Newport, NVAR Mina Array Bea, NVAR Mina Array Bea.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include PDAR Pinedale Array, ULM Lac du Bonnet, TXAR Lajitas Array, ARCES ARCESS Array B, BVAR Borovoye Array, FINES FINESS Array B, NOA NORSAR Array B, CMAR Chiang Mai Arr.

IDC 03 11:56:16.6±1.3, 36.29N; 69.06E, mb3.7/6, mb1 4.0/8, mb1mx3 7/18, ML3.3/2, Error ellipse: s-maj=36.2km s-min=24.2km az=75.0
NEIC 03 11:56:18.4±0.9, 36.32N; 69.04E, h10km, Error ellipse: s-maj=22.2km s-min=15.0km az=92.0
MOS 03 11:56:20.5±0.8, 36.43N; 68.92E, h33km, mb4.0/4, Error ellipse: s-maj=51.8km s-min=15.7km az=73.9
NINC 03 11:56:22.8±7.7, 36.96N; 68.25E, h20km, 35km, mpv3.2, Error ellipse: s-maj=64.8km s-min=29.3km az=133.0
ISC 03 11:56:18.9±3.8, 36.51N; 0.07±68.9E, 0.2, h15km, 23km, n26, ±117/29, mb3.6/5, 4C, Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include KK31 Karatay Array, KK31 Karatay Array, AB31 Akbulak array, AB31 Akbulak array, MKAR Makanchi Array, MKAR Makanchi Array, KOLN Koldana, KOLN Gorkha, KURK Kurchatov, DMN Daman, KKN Kakanai, BVAR Borovoye Array, BVAR Borovoye, PKI Pulchoki, PKI Gumba, ZAL Zalesovo, ZAL Zalesovo, SHL Shilling, BOD Bodaibo, NOA NORSAR Array B, NOA NORSAR Array A, INK Inuvik, INK Inuvik, YKA Yellowknife Arr, YKA Yellowknife Arr, WRA Waramunga Arr, ASAR Alice Springs.

IDC 03 12:09:16.0±4.4, 12.75N; 124.38E, h136km, 35km, mb3.2/6, mb1 3.4/6, mb1mx3 3/18, Error ellipse: s-maj=59.9km s-min=14.0km az=60.0

ISC 03 12:09:05.6±1.7, 13.22N; 0.1±124.8E, 0.1, h61km, 16km, n15, ±1830/21, mb3.6/5, 5C, Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include MMHP Masbate, MMHP Masbate, BESP Borongan, BESP Borongan, PLP Palo, PLP Palo, OCLP Ormoc, OCLP Ormoc, GQP Guinayangang, GQP Guinayangang, MSLP Maasin, MSLP Maasin, LQP Lukban, LQP Lukban, SCPH Surigao, SCPH Surigao, TG Yagay City, TG Yagay City, CMAR Chiang Mai Arr, FITZ Fitzroy Crossi, WRA Waramunga Arr, MKAR Makanchi Array, BVAR Borovoye Array.

MAN 03 12:14:04.8±2.7N; 125.87E, h18km, mb3.9, ML2.6, MS2.2, 1C-2D, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include BIPH Bisligan, BIPH Bisligan, BUTP Butuan, BUTP Butuan, CGTP Cagayan de Oro, CGTP Cagayan de Oro, SCPH Surigao, SCPH Surigao.

IDC 03 12:27:24.5±4.2, 30.15S; 178.31W, mb4.0/3, mb1 4.1/3, mb1mx3 8/12, Error ellipse: s-maj=187.0km s-min=63.2km az=161.0, Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include PUZ Puketiti, PUZ Puketiti, URUZ Urewera, URUZ Urewera, MOZ Queen's Hall, STKA Stephens Creek, ASAR Alice Springs, WRA Waramunga Arr, FINES FINESS Array B.



ISK 03 12:47:32.7, 39.96N, 40.83E, h5km, MD4.0  
 MOS 03 12:47:34.8, 1.7, 40.03N, 40.94E, h10km, mb4.3/5, Error  
 ellipse: s-maj=11.2km s-min=7.5km az=88.2  
 NEIC 03 12:47:35.6, 1.2, 39.31N, 40.86E, h39km, 16km, mb3.9/2,  
 Error ellipse: s-maj=24.5km s-min=9.8km az=183.0  
 IDC 03 12:47:35.9, 1.7, 40.17N, 41.03E, mb3.8/11, mb1 4.0/13,  
 mb1mx3.9/21, ML3.9/2, MS3.4/9, Ms1 3.5/9, sm1mx3.4/24,  
 Error ellipse: s-maj=41.6km s-min=16.5km az=10.0  
 ISC 03 12:47:34.2-0.6, 39.97N, 0.03-40.83E, 0.3, h8km, 5km,  
 n70, c1918/1, mb3.8/14, MS3.4/6, 1C-3D, Turkey

Code	Station Name	$\Delta^\circ$	AZ $^\circ$	Phase ID	Op	ISC	Time	Res
							h m s	ISC
EZM	Erzurum	0.31	103	Op	Pg		12 47 41.8	+1.2
ERZM	Erzurum	0.41	99	iP	Sg		12 47 41.9	-0.8
ERZM	Erzurum	0.41	99	iP	Sg		12 47 49.1	+0.8
EZC	Erzincan	0.81	254	iP	Pn		12 47 55.6	+3.9
VRC	Varto	1.00	147	iP	Pg		12 47 52.6	-1.6
BINT	Bingol	1.12	194	iP	Pn		12 47 54.9	-1.3
BINT	Bingol	1.12	194	iP	Pn		12 48 11.8	-0.1
GUMT	Gumushane	1.15	296	iP	Pn		12 47 55.9	-0.6
GUMT	Gumushane	1.15	296	iP	Pn		12 48 12.8	+0.4
KELT	Kelkit	1.22	279	iP	Pn		12 47 57.0	-0.2
AGRT	Agri	1.27	120	PN	Pn		12 48 04.6	+0.2
KARS	Kars	1.84	69	PN	Pn		12 48 07.2	+0.7
BTMT	Batman	1.85	164	PN	Pn		12 48 07.7	+0.6
ELZG	Elazig	2.06	225	iP	Pg		12 48 40.6	-2.1
DYB	Diyarbakir	2.12	193	eP	Pn		12 48 10.5	0.0
VANB	Van	2.41	124	ePN	Pn		12 48 15.1	+0.5
TVAN	Van	2.46	125	eP	Pn		12 48 19.2	+3.9
MYA	Malatya	2.49	300	ePN	Pn		12 48 15.9	+0.2
MALT	Malatya	2.50	229	eP	Pn		12 48 08.5	-7.4
VANT	Van	2.50	127	ePN	Pn		12 48 40.7	+0.2
SVSK	Karacayir	2.95	270	ePN	Pn		12 48 15.9	0.0
SVST	Sivas	2.99	267	eP	Pn		12 48 29.0	+6.1
GNI	Garni	3.01	85	ePN	Pn		12 48 22.9	-0.2
GNI	Garni	3.01	85	ePN	Pn		12 48 32.4	
TOKT	Tokat	3.31	277	ePN	Pn		12 48 28.0	+0.7
TIZ	Plehanov	3.45	58	eP	Pn		12 48 30.2	+0.8
TIZ				eS			12 48 36.4	
TIZ				eS			12 48 39.4	
TIZ				eS			12 49 32.0	+2.8
T12				pmx	pmx			
T12	comp=Z,40nm,0.6s			pmx	pmx			
T12	comp=Z,230nm,1.0s			pmx	pmx			
T12	comp=N,4um,8.0s			MLR	MLR			
T12	comp=E,2um,8.0s			MLR	MLR			
T12	comp=Z,2um,8.0s			MLR	MLR			
ZEI	Tsey	3.62	39	ePN	Pn		12 48 33.0	+1.1
ZEI				eP	Pn		12 48 41.0	
ZEI				eP	Pn		12 49 27.9	
ZEI				eS	Sg		12 49 34.0	-0.9
ZEI				smx				
GZT	Gaziantep	3.66	225	eP	Pn		12 48 32.7	+0.4
GZT				eS	Sg		12 49 29.6	-6.3
SOC	Sochi	3.71	347	ePN	Pn		12 48 32.3	-0.7
SOC				eP	Sn		12 49 14.6	-2.8
SOC				eP	Sn		12 49 34.0	
SOC	comp=N,170nm,1.0s			pmx	pmx			
SOC	comp=Z,160nm,1.0s			pmx	pmx			
SOC	comp=E,60nm,0.5s			pmx	pmx			
SOC	comp=N,610nm,12.0s			MLR	MLR			
SOC	comp=E,1um,12.0s			MLR	MLR			
SOC	comp=Z,330nm,12.0s			MLR	MLR			
GAZ	Gaziantep	3.98	227	ePN	Pn		12 48 37.1	+0.2
KIV	Kislovodsk	4.21	190	iPN	Pn		12 48 40.5	+0.3
KIV				pmx	pmx			
PYA	Pyatigorsk	4.38	21	ePN	Pg		12 49 01.0	-0.8
PYA				iS	Sg		12 49 30.0	-4.6
PYA				iS	Sg		12 49 46.0	-1.4
PYA				iP	Sg		12 50 05.0	
PYA	comp=E,4um,7.0s			pmx	pmx			
CTKT	Corum	4.67	280	eP	Pn		12 49 01.0	+1.4
CTKT				iS	Sn		12 50 06.9	+2.5
BOYT	Boyabat	4.73	290	eP	Pn		12 48 54.0	+6.4
AVNT	Avonoz	4.78	258	eP	Pn		12 49 00.3	+1.2
COBT	Iskenderun	4.98	228	eP	Pn		12 48 51.6	+0.4
COBT				eS	Sn		12 50 15.8	+2.6
GOF	Gofitskoye	5.34	17	ePN	Pn		12 49 13.0	+1.7
GOF				pmx	pmx			
ANN	Anapa	5.44	334	eP	Pn		12 48 59.3	+1.7
ANN				eS	Sn		12 50 07.7	+6.5
ANN	comp=Z,20nm,0.7s			pmx	pmx			
ANN	comp=N,40nm,0.9s			smx				
ANN	comp=E,50nm,1.1s			smx				
ELDT	Elday	5.69	278	P	Pn		12 49 12.3	+1.1
ELDT				S	Sn		12 50 40.3	+3.3
BALT	Baldan	5.87	288	eP	Pn		12 49 11.7	+8.1
BALT				eS	x		12 49 47.0	
SIM	Simferopol'	7.03	317	P	Pn		12 49 29.4	+9.4
SIM				eS	Sn		12 50 50.2	+9.3
SIM	comp=E,60nm,0.7s			smx				
ASF	Jabal al Asfar	8.41	203	Pn	P		12 49 39.4	+0.1
EIL	Eilat	11.35	207	LR	LR		12 55 18.7	
EIL	comp=E,216nm,19.8s,ba2=19.0,slow=40			LR	LR			
MLR	Muntele Rosu	12.25	302	Pn	P		12 50 32.2	+0.3
MLR	comp=E,0.3nm,0.3s,ba2=159,slow=4.2,SNR=5.5			LR	LR			
MLR	comp=E,98nm,20.0s,ba2=119.7,slow=1			LR	LR			
MLR	Muntele Rosu	12.25	302	Pn	P		12 50 32.2	+0.3
MLR				LR	LR		12 56 00.5	
MLR				P	P		12 51 11.4	-2.1
MLR				eS	Sn		12 54 01.4	-3.7
MLR	comp=Z,7.0nm,0.6s			pmx	pmx			
MLR	comp=Z,100nm,18.1s,MS3.2			MLR	MLR			
MLR	comp=N,100nm,18.2s,MS3.4			MLR	MLR			
MLR	comp=E,100nm,19.0s,MS3.4			MLR	MLR			
GERES	GERES Array B	21.22	304	P	Pn		12 52 24.3	+1.7
GERES	comp=E,1.4nm,0.9s,mb3.3,ba2=141,slow=8.5,SNR=6.0			P	P		12 52 21.0	-1.8
SVE	Sverdlovsk	21.25	311	eP	P		12 52 02.1	
SVE				eS	Sn		12 52 02.1	
SVE	comp=Z,40nm,1.9s,mb4.4			pmx	pmx			
KHC	Kasperske Kory	21.38	304	eP	P		12 52 23.5	-0.6
CLL	Collin	22.38	310	ePP	P		12 52 42.0	
FINES	FINES Array B	23.33	342	P	P		12 52 44.5	+1.2
FINES	comp=Z,1.6nm,0.5s,mb3.7,ba2=140,slow=12,SNR=11			LR	LR		13 02 33.8	
FINES	comp=Z,7.4nm,20.0s,MS3.1,ba2=166,slow=39			LR	LR			
FINES	FINES Array B	23.33	342	P	P		12 52 44.5	+1.2
FINES				LR	LR		13 02 33.8	
FINES				P	P		12 52 48.3	+4.1
DAVOX	Davos	23.40	297	P	P		12 52 51.9	+3.4
DAVOX	comp=Z,2.5nm,0.8s,mb3.7,ba2=132,slow=16,SNR=3.1			P	P		12 52 48.4	-0.8
KAF	Kangasniemi	23.86	343	eP	P		12 52 48.4	-0.8
BRVK	Borovoye	23.93	47	eP	P		12 52 48.4	-0.8
BVAR	Borovoye Array	23.97	47	P	P		12 52 48.4	-0.9
BVAR	comp=Z,1.9nm,0.8s,mb3.5,ba2=225,slow=8.2,SNR=7.1							

Code	Station Name	$\Delta^\circ$	AZ $^\circ$	Phase ID	Op	ISC	Time	Res
							h m s	ISC
BVAR	Borovoye Array	23.97	47	P	P		13 03 48.7	
HFS	Hafslund	26.33	329	P	P		12 53 11.9	-0.1
HFS	comp=Z,1.6nm,0.7s,mb3.7,ba2=135,slow=12,SNR=2.5			LR	LR			
NOA	NORSTAR Array B	27.86	329	LR	LR		13 05 44.1	
NOA	comp=Z,2.8nm,19.4s,MS3.4,ba2=125,slow=39			LR	LR			
KURK	Kurchatov	28.36	55	P	P		12 53 27.4	-3.1
MKAR	Makanchi Array	30.61	63	iP	P		12 53 49.1	-1.6
MKAR	comp=Z,0.8nm,0.7s,mb3.7,ba2=270,slow=7.3,SNR=4.9			LR	LR		13 07 50.2	
MKAR	Makanchi Array	30.61	63	iP	P		12 53 50.5	-0.2
MKAR	comp=Z,1.0nm,0.7s			pmx	pmx			
ARCES	ARCES Array B	30.72	350	P	P		12 53 52.5	+1.1
ARCES	comp=Z,2.3nm,0.8s,mb4.0,ba2=166,slow=11,SNR=2.9			LR	LR		13 07 19.0	
ARCES				LR	LR			
ZAL	Zalesov	32.53	50	LR	LR		12 54 10.4	+3.0
ZAL	comp=Z,1.05nm,18.6s,MS3.5,ba2=249,slow=39			LR	LR			
ZAL	comp=Z,0.6nm,0.3s,mb4.0,ba2=188,slow=13,SNR=2.7			LR	LR		13 08 45.9	
ZAL	comp=Z,4.2nm,18.1s,MS3.2,ba2=317,slow=39			LR	LR			
ZAL	Zalesov	32.53	50	LR	LR		12 54 10.4	+3.0
ZAL				P	P		13 08 45.9	
ESDC	Sonsec Array	34.13	284	P	P		12 54 22.9	+1.4
ESDC	comp=Z,2.0nm,1.1s,mb4.0,ba2=108,slow=12,SNR=4.1			LR	LR			
ULN	Ulanbaatar	47.02	57	P	P		12 56 06.8	-0.8
ULN	comp=Z,4.0nm,1.1s,mb4.3			pmx	pmx			
ULN	Ulanbaatar	47.02	57	P	P		12 56 06.8	-0.7
ULN	comp=Z,3.7nm,1.1s,mb4.2			P	P		12 56 17.8	-3.0
CMAR	Chiang Mai Arr	54.08	36	P	P		12 57 02.2	+0.6
CMAR	comp=Z,1.3nm,1.1s,mb3.8,ba2=305,slow=9.9,SNR=5.3			LR	LR		12 58 27.1	
BILL	Bilbino	64.83						















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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ENH, CM31, CMAR, KMI, etc.

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

3d 23h

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

BJL 03 20:50:15.7, 6.19S; 143.93E, h4km, mB4.9, mb4.7
IDC 03 20:50:15.9, 0.9, 6.49S; 143.79E, mb4.3, mb1.4, 5/11,
mb1mx4.5/13, ML3.7/3, MS3.5/4, Ms1.3/5.4, ms1mx3.2/14,
Error ellipse: s-maj=32.4km s-min=19.0km az=94.0

NEIC 03 20:50:18.0, 0.4, 6.52S; 143.53E, h10km, mb4.7/10, Error
ellipse: s-maj=10.4km s-min=7.8km az=100.0

ISC 03 20:50:19.8, 0.4, 6.61S; 0.05; 143.51E, 0.07, h33km, n58,
a106/52, mb4.6/26, MS3.3/2, 1C-1D, New Guinea

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

3d 23h

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

NEIC 03 20:57:52.3, 1.4, 37.44N; 30.37E, h10km, ML3.6(NIC),
Error ellipse: s-maj=19.5km s-min=12.6km az=192.0
ISC 03 20:57:57.6, 3.7, 20N; 30.20E, h87km, MD3.4, ML3.5
NIK 03 20:58:00.1, 0.2, 37.05N; 30.27E, h25km, mb4.1, ML3.6,
MW3.3

ISC 03 20:57:56.6, 0.3, 37.07N; 0.03; 30.20E, 0.04, h87km, n47,
a097/65, 9C, Turkey

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

3d 23h

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

JMA Felt IV J.1
MOS 03 23:02:01.8, 0.8, 36.72N; 141.04E, h40km, mb6.0/67,
MS5.7/73 Error ellipse: s-maj=6.5km s-min=4.1km
az=100.5

IDC 03 23:02:01.8, 2.8, 36.42N; 141.09E, h34km, 22km, mb5.2/26,
mb1.5/30, mb1mx5.3/32, ML5.0/4, MS5.4/27, Ms1.5/4.27,
ms1mx5.4/33, Error ellipse: s-maj=14.7km s-min=9.7km
az=114.0

ORF 03 23:02:00.0, 0.1, 36.39N; 141.15E, h49km, 2km, M5.8
Broadband fault plane solution: P waves. NP1:phi=211°,
delta=1.90°, NP2:phi=31°, delta=1.90°. Principal axes: T
Plig64°, Azm301°; N Plig0°, Azm31°; P Plig26°, Azm121°;

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

JTT	Tatey	3.05 275	U P	P	23 02 50.0 +1.4
JYZW	Yoshizawa	3.08 244	P	P	23 02 49.9 +0.8
JGF	Kuroka	3.14 257	U P	P	23 02 51.3 +1.4
HMMU	Hamamatsu 2	3.15 242	U P	P	23 02 50.9 +0.8
JSZ	Suzu	3.18 290	U P	P	23 02 50.4 -0.1
JAO	Obara	3.25 191	U P	P	23 02 53.4 +0.9
JHJZ	Mitsune	3.44 198	P	P	23 02 53.4 -0.8
JHJ	Hachijo jima 2	3.44 199	Pn	P	23 02 53.8 -0.4
JHJ	23nm, 0.3s, baz=223, slow=15, SNR=90		S	S	23 03 35.2 +1.1
JHJ	2um, 0.3s, baz=46, slow=23, SNR=10.0		S	S	
JHJ	Haku	3.52 280	P	P	23 02 55.9 +0.7
JGM	Miyama	3.62 260	P	P	23 02 57.8 +1.1
JHG	Hegura jima	3.65 295	U P	P	23 02 56.8 -0.3
TK02	Tokai 2	3.67 229	P	P	23 02 59.3 +1.9
JKG	Kaga	3.86 270	P	P	23 03 01.0 +1.0
JIE	Ise	4.11 242	U P	P	23 03 05.0 +1.4
TSUJ	Tsu 2	4.17 248	U P	P	23 03 05.1 +0.6
JKN	Kiinagashima	4.50 243	U P	P	23 03 08.8 -0.3
JHE	Heguri	4.75 250	P	P	23 03 12.4 -0.2
JWT	Wachi	4.76 258	U P	P	23 03 13.0 +0.2
JKY	Yasaka	4.92 263	U P	P	23 03 15.5 +0.4
JMIK	Miki	5.18 254	P	P	23 03 19.9 +1.3
JWZ	Kozaga	5.27 239	P	P	23 03 20.0 +0.2
JAD	Aida	5.83 258	P	P	23 03 27.3 -0.4
SAI	Saigo	6.28 271	P	P	23 03 35.3 +1.3
JNM	Ikuma	6.61 265	P	P	23 03 39.8 +1.1
JHS	Saityo	6.65 260	P	P	23 03 39.5 +0.3
JTO	Tosashimizu	7.70 245	P	P	23 03 54.4 +0.6
JHIK	Hikimi	7.71 259	P	P	23 03 54.5 +0.5
ASAJ	Asahikawa	7.80 8	Pn	P	23 03 50.4 -4.7
ASAJ	36nm, 0.3s, baz=238, slow=9.3, SNR=112		S	S	23 03 14.8 -8.1
ASAJ	Asahikawa	7.80 8	P	P	23 03 50.4 -4.7
ASAJ	23nm, 0.3s, baz=23, slow=16, SNR=3.7		S	S	23 05 14.9
ASAJ	comp=Z, 36nm, 0.3s		pmax	pmax	
ASAJ	comp=N, 23nm, 0.3s		smax	smax	
JUS	Usuki	8.38 249	P	P	23 04 03.4 +0.2
JNU	Nakatsue	9.03 252	Pn	P	23 04 13.2 +1.1
JNU	comp=N, 4.2nm, 0.3s, baz=68, slow=15, SNR=38		LR	LR	23 08 04.8
JNU	comp=N, 9.1um, 18.0s, baz=73, slow=40		P	P	23 04 13.0 +0.9
JNU	Nakatsue	9.03 252	P	P	23 04 13.0 +0.9
CBIJ	Chichi jima	9.32 174	Pn	P	23 04 11.1 -5.1
CBIJ	comp=N, 1.44nm, 0.3s, baz=353, slow=8.2, SNR=50		S	S	23 05 46.6 -1.4
CBIJ	comp=N, 203nm, 0.3s, baz=303, slow=20, SNR=6.5		S	S	
CBIJ	Chichi jima	9.32 174	P	P	23 04 10.0 -6.1
CBIJ	Takasaki	9.43 245	P	P	23 04 18.1 +0.4
JNAR	Kushima-Naru	9.50 242	P	P	23 04 19.6 +1.0
VLA	Vladivostok	9.76 316	U P	P	23 04 23.0 +0.8
VLA			i S	S	23 06 05.0 -6.5
VLA	comp=N, 5um, 6.0s		pmax	pmax	
VLA	comp=N, 4um, 6.0s		pmax	pmax	
VLA	comp=Z, 5um, 6.0s		smax	smax	
VLA	comp=E, 4um, 13.0s		smax	smax	
VLA	comp=N, 2um, 6.0s		MLR	MLR	
VLA	comp=Z, 24um, 14.0s		MLR	MLR	
VLA	comp=N, 60nm, 12.0s		MLR	MLR	
VLA	comp=E, 500nm, 16.0s		MLR	MLR	
JHHJ	Haha-jima-NKT	9.78 174	P	P	23 04 17.1 -5.3
JTN	Tanegashima 3	10.20 239	P	P	23 04 29.3 +1.0
KUR	Kuril'sk	10.21 28	eP	S	23 04 24.0 -4.2
KUR			eS	S	23 06 10.5 -1.2
KUR	comp=N, 170nm, 0.7s		pmax	pmax	
KUR	comp=E, 150nm, 0.7s		pmax	pmax	
KUR	comp=Z, 300nm, 0.7s		smax	smax	
KUR	comp=N, 1um, 0.7s		smax	smax	
KUR	comp=E, 770nm, 0.7s		smax	smax	
KUR	comp=N, 8um, 5.5s		smax	smax	
KUR	comp=E, 5um, 5.5s		MLR	MLR	
KUR	comp=N, 15um, 18.0s		MLR	MLR	
KUR	comp=E, 24um, 18.0s		MLR	MLR	
KUR	comp=Z, 15um, 18.0s		MLR	MLR	
YSS	Yuzh-Sakhalins	10.62 6	eP	P	23 04 28.7 -5.2
YSS			eS	S	23 06 20.0 -1.2
YSS	comp=N, 290nm, 0.8s		pmax	pmax	
YSS	comp=E, 60nm, 0.8s		pmax	pmax	
YSS	comp=Z, 260nm, 0.8s		smax	smax	
YSS	comp=N, 2um, 6.0s		smax	smax	
YSS	comp=E, 4um, 8.0s		pmax	pmax	
YSS	comp=E, 490nm, 1.2s		MLR	MLR	
YSS	comp=N, 20um, 16.0s		MLR	MLR	
YSS	comp=Z, 26um, 16.0s		MLR	MLR	
YSS	comp=E, 17um, 18.0s		MLR	MLR	
YSS	Yuzh-Sakhalins	10.62 6	eP	P	23 04 29.1 -4.8
YSS	comp=E, 218nm, 0.7s		pmax	pmax	
KS15	Wonju Array S1	10.64 280	eP	P	23 04 34.0 -0.2
INCN	Inchon	11.63 280	eP	P	23 04 48.6 +0.9
MDJ	Mudanjiang	12.00 317	Pn	P	23 04 51.5 -1.0
MDJ	Mudanjiang	12.00 317	P	P	23 04 51.1 -1.4
MDJ			AP	P	23 05 00.3
MDJ			PP	PP	23 05 02.9 +0.6
MDJ			S	S	23 07 03.3 -2.5
MDJ			PCP	PCP	23 10 34.0 -1.3
MDJ			SCP	SCP	23 14 00.7
MDJ			P	P	23 14 08.2
MDJ			SCS	SCS	23 17 37.3 0.0
MDJ	comp=Z, 222nm, 1.5s		AMB	AMB	
MDJ	comp=Z, 2um, 8.5s		LR	LR	
MDJ	comp=N, 21um, 22.2s		LR	LR	
MDJ	comp=E, 15um, 25.6s		LR	LR	
MDJ	comp=Z, 40um, 21.4s		LR	LR	
MDJ	Mudanjiang	12.00 317	eP	P	23 04 51.9 -0.6
MDJ	comp=E, 218nm, 1.3s		pmax	pmax	
UGL	Uglegorsk	12.70 3	eP	P	23 04 55.0 -6.8
UGL	comp=Z, 78nm, 0.8s		pmax	pmax	
UGL	comp=N, 1um, 7.0s		pmax	pmax	
UGL	comp=E, 900nm, 7.0s		pmax	pmax	
UGL	comp=Z, 1um, 7.0s		MLR	MLR	
UGL	comp=Z, 30um, 17.0s		MLR	MLR	
UGL	comp=N, 21um, 18.0s		MLR	MLR	
CN2	Changchun	14.07 307	eP	P	23 05 20.2 +0.4
CN2			eAP	S	23 05 30.0
CN2			eS	S	23 07 52.3 -3.0
CN2	comp=Z, 90nm, 1.5s		AMB	AMB	
CN2	comp=Z, 200nm, 5.0s		AMB	AMB	
CN2	comp=N, 20um, 15.0s		LR	LR	

CN2	comp=E, 29um, 15.0s		LR	LR	
CN2	comp=Z, 31um, 21.0s		LR	LR	
JOW	Kunigami	14.49 232	Pn	P	23 05 25.2 -0.2
JOW			LR	LR	23 11 04.8
TYV	Tymovsko	14.51 4	eP	P	23 05 20.0 -5.5
TYV			emax	emax	23 07 51.0
TYV	comp=Z, 231nm, 0.9s		pmax	pmax	
TYV	comp=Z, 2um, 8.0s		smax	smax	
TYV	comp=E, 3um, 10.0s		smax	smax	
TYV	comp=N, 3um, 12.0s		MLR	MLR	
TYV	comp=Z, 27um, 15.0s		MLR	MLR	
TYV	comp=E, 16um, 16.0s		MLR	MLR	
KLR	Kul'dur	14.53 335	eP	P	23 05 21.2 -4.6
KLR			emax	emax	
KLR	comp=N, 4um, 11.5s		pmax	pmax	
KLR	comp=E, 2um, 11.5s		pmax	pmax	
KLR	comp=Z, 5um, 11.5s		MLR	MLR	
KLR	comp=E, 20um, 17.0s		MLR	MLR	
KLR	comp=Z, 22um, 17.0s		MLR	MLR	
SNY	Shenyang	14.64 297	U P	P	23 05 26.7 -0.6
SNY			S	S	23 08 11.1 +2.3
SNY			AMB	AMB	
SNY	comp=Z, 120nm, 1.3s		LR	LR	
SNY	comp=N, 32um, 15.9s		LR	LR	
SNY	comp=E, 39um, 18.0s		LR	LR	
SNY	comp=Z, 48um, 19.0s		LR	LR	
DL2	Dalian	15.63 285	U P	P	23 05 40.8 +0.7
DL2			S	S	23 08 38.3 +6.4
DL2			AMB	AMB	
DL2	comp=Z, 140nm, 1.0s		AMB	AMB	
DL2	comp=Z, 2um, 7.3s		LR	LR	
DL2	comp=E, 21um, 18.0s		LR	LR	
DL2	comp=Z, 28um, 17.8s		LR	LR	
SSE	Sheshan	17.38 258	P	S	23 06 02.5 +0.3
SSE			S	S	23 09 14.5 +2.5
SSE			AMB	AMB	
SSE	comp=Z, 3um, 8.6s		LR	LR	
SSE	comp=N, 17um, 22.2s		LR	LR	
SSE	comp=E, 18um, 22.2s		LR	LR	
SSE	comp=Z, 27um, 18.0s		LR	LR	
SKR	Severo-Kuril's	17.91 32	eP	P	23 06 15.0 +6.4
SKR			emax	emax	
SKR	comp=N, 130nm, 1.0s		pmax	pmax	
SKR	comp=E, 130nm, 1.0s		pmax	pmax	
SKR	comp=Z, 220nm, 1.0s		pmax	pmax	
SKR	comp=N, 2um, 4.0s		pmax	pmax	
SKR	comp=E, 2um, 4.0s		pmax	pmax	
SKR	comp=Z, 2um, 4.0s		MLR	MLR	
SKR	comp=N, 4um, 18.0s		MLR	MLR	
SKR	comp=E, 9um, 18.0s		MLR	MLR	
SKR	comp=Z, 6um, 18.0s		MLR	MLR	
NJ2	Nanjing	18.89 263	eP	P	23 06 17.8 -2.9
NJ2			AP	P	23 06 24.5
NJ2			XP	P	23 06 30.0
NJ2			PP	PP	23 06 34.2 -3.3
NJ2			PPP	PPP	23 06 42.2 -4.8
NJ2			S	S	23 09 42.0 -4.1
NJ2			SS	SS	23 10 07.0 -5.4
NJ2			AMB	AMB	
NJ2	comp=Z, 130nm, 0.8s		AMB	AMB	
NJ2	comp=Z, 10um, 8.2s		LR	LR	
NJ2	comp=N, 29um, 19.2s		LR	LR	
NJ2	comp=E, 53um, 18.2s		LR	LR	
NJ2	comp=Z, 61um, 17.6s		LR	LR	
TIA	Tai'an	19.32 277	P	P	23 06 21.5 -4.0
TIA			XP	P	23 06 39.0
TIA			AMB	AMB	
TIA	comp=Z, 172nm, 1.2s		LR	LR	
TIA	comp=N, 18um, 16.0s		LR	LR	
TIA	comp=E, 9um, 17.0s		LR	LR	
BJI	Beijing	19.90 288	P	P	23 06 27.3 -4.4
BJI			XP	P	23 06 40.3
BJI			S	S	23 10 07.7 -0.3
BJI			AMB	AMB	
BJI	comp=Z, 137nm, 0.8s		AMB	AMB	
BJI	comp=Z, 6um, 9.2s		LR	LR	
BJI	comp=N, 12um, 16.0s		LR	LR	
BJI	comp=E, 17um, 19.3s		LR	LR	
BJT	Baijiatuau	19.91 288	P	P	23 06 27.4 -4.3
BJT	Baijiatuau	19.91 288	eP	P	23 06 27.8 -4.0
BJT			emax	emax	
BJT	comp=Z, 120nm, 0.8s		P	P	23 06 27.8 -4.0
BJT	Baijiatuau	19.91 288	eP	P	23 06 27.8 -4.0
HIA	Hailar	20.19 316	eP	P	23 06 29.8 -4.8
HIA			emax	emax	
HIA	comp=Z, 120nm, 1.2s		MLR	MLR	
HIA	comp=Z, 26um, 19.0s		MLR	MLR	
HIA	comp=Z, 120nm, 1.2s		LR	LR	
HIA	comp=Z, 26um, 19.0s, MS5.6		LR	LR	
TATO	Taipei	20.31 241	PFAKE	LR	23 06 50.0 +1.4
TATO			LR	LR	
PET	Petropavlovsk	20.69 31	P	P	23 06 39.1 -0.7
PET			i P	S	23 10 23.6 +0.4
PET			emax	emax	
PET	comp=Z, 156nm, 1.2s		pmax	pmax	
PET	comp=Z, 2um, 16.3s		pmax	pmax	
PET	comp=Z, 2um, 28.0s		pmax	pmax	
PET	comp=N, 1um, 29.2s		pmax	pmax	
PET	comp=E, 952nm, 24.9s		smax	smax	
PET	comp=E, 8um, 19.7s		smax	smax	
PET	comp=E, 5um, 17.9s		smax	smax	
PET	comp=N, 9um, 10.3s		smax	smax	
PET	comp=N, 9um, 13.1s		MLR	MLR	
PET	comp=Z, 16um, 22.0s, MS5.4		MLR	MLR	
PET	comp=Z, 12um, 20.0s		LR	LR	
PET	Petropavlovsk	20.69 31	eP	P	23 06 38.6 -1.3
PET	comp=Z, 186nm, 1.2s		LR	LR	
PET	comp=Z, 15um, 21.0s, MS5.3		P	P	23 06 53.4 -3.9
QZH	Quanzhou	22.42 246	P	P	

ULN	Ulanbaatar	27.52 305	eP	P	23 07 43.6	-1.9
ULN	comp=E,86nm,1.0s,mb5.3			LR	LR	
FX1	Attu Island-F	27.83 44	P	P	23 07 48.9	+0.6
FX1	Attu Island-F	27.83 44	P	P	23 07 48.9	+0.6
FX1	comp=Z,27nm,0.7s			Pmax	Pmax	
FX1	comp=Z,260nm,19.9s			MLR	MLR	
BOD	Bodaibo	27.94 329	iP	P	23 07 47.2	-2.0
LQP	Lukban	28.27 223	eP	P	23 07 55.2	+2.7
SMY	Shemya	28.30 44	P	P	23 08 00.0	+7.5
SMY	comp=Z,14um,20.0s,MS5.5			LR	LR	
TGY	Tagaytay City	28.61 224	P	P	23 07 56.4	+0.8
TGY	Tagaytay City	28.61 224	P	P	23 07 56.4	+0.8
TGY	comp=Z,111nm,0.3s			Pmax	Pmax	
LZH	Lanzhou	29.94 281	iP	P	23 08 05.9	-1.3
LZH	comp=Z,300nm,1.5s,mb5.8			AP	P	23 08 19.7 -0.3
LZH	comp=Z,300nm,1.5s,mb5.8			XP	S	23 08 26.1 +0.1
LZH	comp=Z,300nm,1.5s,mb5.8			S	S	23 12 58.0 -2.0
LZH	comp=Z,300nm,1.5s,mb5.8			SS	SS	23 14 42.0 +3.1
LZH	comp=Z,300nm,1.5s,mb5.8			AMB	AMB	
IRK	Irkutsk	30.35 313	eP	P	23 08 10.2	-0.5
IRK	comp=Z,2um,5.4s			e	P	23 08 27.2 +3.7
IRK	comp=Z,2um,5.4s			e	P	23 11 05.7
ZAK	Zakamensk Talaya	30.48 309	iP	P	23 08 10.2	-1.7
TLY	comp=Z,130nm,1.1s,mb5.7			P	P	23 08 11.5 -1.2
GYA	Guiyang	30.87 261	iP	P	23 08 13.4	-2.2
GYA	comp=Z,14um,22.2s,MS5.6			AP	P	23 08 24.6 -3.8
GYA	comp=Z,14um,22.2s,MS5.6			XP	S	23 08 30.8 -3.7
GYA	comp=Z,14um,22.2s,MS5.6			PP	PP	23 09 18.6 +0.4
GYA	comp=Z,14um,22.2s,MS5.6			PPP	PPP	23 09 35.4 +2.2
GYA	comp=Z,14um,22.2s,MS5.6			S	S	23 13 08.0 -6.8
GYA	comp=Z,14um,22.2s,MS5.6			XS	XS	23 13 28.6
GYA	comp=Z,14um,22.2s,MS5.6			SCS	SCS	23 16 44.0 -0.3
GYA	comp=Z,14um,22.2s,MS5.6			AMB	AMB	
GYA	comp=Z,310nm,1.4s,mb6.0			LR	LR	
GYA	comp=N,9um,20.1s,MS5.6			LR	LR	
GYA	comp=E,9um,21.0s,MS5.6			LR	LR	
GYA	comp=Z,14um,22.2s,MS5.6			LR	LR	
CD2	Chengdu	31.43 271	eP	P	23 08 18.4	-2.1
CD2	comp=Z,220nm,0.9s,mb6.0			AP	P	23 08 30.1 -3.2
CD2	comp=Z,220nm,0.9s,mb6.0			PP	PP	23 09 23.7 -1.7
CD2	comp=Z,220nm,0.9s,mb6.0			S	S	23 13 16.3 -7.3
CD2	comp=Z,220nm,0.9s,mb6.0			e	S	23 13 41.7
CD2	comp=Z,220nm,0.9s,mb6.0			AMB	AMB	
CD2	comp=Z,1um,8.1s			LR	LR	
CD2	comp=E,24um,17.4s			LR	LR	
CD2	comp=Z,24um,18.9s,MS5.9			LR	LR	
MOY	Mondy	32.17 311	eP	P	23 08 25.6	-1.1
QIZ	Qiongzong	32.44 246	iP	P	23 08 27.7	-1.7
QIZ	comp=Z,999nm,9.4s			AP	P	23 08 43.2 +0.4
QIZ	comp=Z,999nm,9.4s			XP	S	23 09 38.2 -1.2
QIZ	comp=Z,999nm,9.4s			PPP	PPP	23 09 53.8 -1.3
QIZ	comp=Z,999nm,9.4s			PCP	PCP	23 11 16.5 +0.6
QIZ	comp=Z,999nm,9.4s			S	S	23 13 36.9 -3.6
QIZ	comp=Z,999nm,9.4s			SCP	SCP	23 14 56.0
QIZ	comp=Z,999nm,9.4s			PCS	PCS	23 14 59.8
QIZ	comp=Z,999nm,9.4s			SCS	SCS	23 18 54.1 +1.7
QIZ	comp=Z,999nm,9.4s			AMB	AMB	
QIZ	comp=N,7um,20.4s,MS5.5			LR	LR	
QIZ	comp=E,5um,19.2s,MS5.5			LR	LR	
QIZ	comp=Z,8um,22.3s,MS5.3			LR	LR	
DAV	Davao City (W)	32.45 210	eX	P	23 08 28.1	-1.3
GTA	Gaotai	32.52 288	eP	P	23 08 28.2	-1.7
GTA	comp=Z,57nm,1.2s,mb5.3			AP	P	23 08 43.2 +0.4
GTA	comp=Z,57nm,1.2s,mb5.3			XP	S	23 09 38.2 -1.2
GTA	comp=Z,57nm,1.2s,mb5.3			PPP	PPP	23 09 53.8 -1.3
GTA	comp=Z,57nm,1.2s,mb5.3			PCP	PCP	23 11 16.5 +0.6
GTA	comp=Z,57nm,1.2s,mb5.3			S	S	23 13 36.9 -3.6
GTA	comp=Z,57nm,1.2s,mb5.3			SCP	SCP	23 14 56.0
GTA	comp=Z,57nm,1.2s,mb5.3			PCS	PCS	23 14 59.8
GTA	comp=Z,57nm,1.2s,mb5.3			SCS	SCS	23 18 54.1 +1.7
GTA	comp=Z,57nm,1.2s,mb5.3			AMB	AMB	
GTA	comp=Z,82nm,1.4s,mb5.5			AMB	AMB	
GTA	comp=Z,1um,8.4s			LR	LR	
GTA	comp=N,4um,18.6s,MS5.5			LR	LR	
GTA	comp=E,7um,18.6s,MS5.5			LR	LR	
GTA	comp=Z,8um,22.3s,MS5.3			LR	LR	
KMI	Kunming	34.62 262	eP	P	23 08 46.8	-1.4
KMI	comp=Z,8um,19.0s,MS5.4			AP	P	23 08 58.9 -2.2
KMI	comp=Z,8um,19.0s,MS5.4			XP	S	23 09 03.6 -3.7
KMI	comp=Z,8um,19.0s,MS5.4			PP	PP	23 10 03.6 -2.3
KMI	comp=Z,8um,19.0s,MS5.4			PCP	PCP	23 11 22.7 +0.7
KMI	comp=Z,8um,19.0s,MS5.4			S	S	23 14 10.8 -2.4
KMI	comp=Z,8um,19.0s,MS5.4			XS	XS	23 14 31.2
KMI	comp=Z,8um,19.0s,MS5.4			SS	SS	23 16 24.6 -2.9
KMI	comp=Z,8um,19.0s,MS5.4			AMB	AMB	
KMI	comp=Z,154nm,1.5s,mb5.7			AMB	AMB	
KMI	comp=Z,947nm,4.3s			LR	LR	
KMI	comp=N,10um,16.4s,MS5.9			LR	LR	
KMI	comp=E,16um,17.8s,MS5.9			LR	LR	
KMI	comp=Z,17um,18.8s,MS5.8			LR	LR	
BILL	Bilibino	34.71 16	eP	P	23 08 46.4	-2.1
BILL	comp=Z,91nm,1.0s,mb5.7			Pmax	Pmax	
BILL	comp=Z,91nm,1.0s,mb5.7			P	P	23 08 46.4 -2.1
TIXI	Tiksi	35.90 353	eP	P	23 08 56.7	-1.9
TIXI	comp=Z,46nm,1.0s,mb5.4			Pmax	Pmax	
TIXI	comp=Z,46nm,1.0s,mb5.4			MLR	MLR	
TIXI	comp=Z,6um,20.0s,MS5.4			P	P	23 08 56.7 -1.8
TIXI	comp=Z,46nm,0.9s,mb5.4			LR	LR	
TIXI	comp=Z,6um,20.0s,MS5.4			LR	LR	
UKB	Kota Kinabalu	37.84 223	iP	P	23 09 15.3	-0.2
UKM	Ubonrachathani	38.39 246	P	P	23 09 21.0	+1.0
KKTK	Khon Kaen	39.35 250	P	P	23 09 28.0	0.0
NANT	Nan	39.53 255	iP	P	23 09 28.2	-1.3
CHRT	Chiangrai	39.65 257	iP	P	23 09 30.5	0.0
UNV	Unalaska Valle	39.86 47	P	P	23 09 40.0	+8.2
UNV	comp=Z,12um,21.0s,MS5.7			LR	LR	
CHTO	Chiang Mai	40.00 256	P	P	23 09 40.0	-0.8
WMQ	Urumqi	40.91 297	P	P	23 09 41.0	+0.4
WMQ	comp=Z,11nm,0.3s,mb6.0			AP	P	23 09 41.2 +0.6
WMQ	comp=Z,11nm,0.3s,mb6.0			XP	S	23 09 51.2 -2.7
WMQ	comp=Z,11nm,0.3s,mb6.0			PP	PP	23 11 19.6 +1.2
WMQ	comp=Z,11nm,0.3s,mb6.0			PCP	PCP	23 11 42.0 +0.9
WMQ	comp=Z,11nm,0.3s,mb6.0			PPP	PPP	23 11 50.3 +2.0
WMQ	comp=Z,11nm,0.3s,mb6.0			SCP	SCP	23 15 26.9
WMQ	comp=Z,11nm,0.3s,mb6.0			SCS	SCS	23 15 31.5
WMQ	comp=Z,11nm,0.3s,mb6.0			S	S	23 15 51.6 +3.1
WMQ	comp=Z,11nm,0.3s,mb6.0			XS	XS	23 16 06.6
WMQ	comp=Z,11nm,0.3s,mb6.0			SS	SS	23 18 49.0 +2.0
WMQ	comp=Z,11nm,0.3s,mb6.0			SCS	SCS	23 19 40.4 +1.5
WMQ	comp=Z,11nm,0.3s,mb6.0			AMB	AMB	
WMQ	comp=Z,551nm,1.6s,mb5.9			LR	LR	
WMQ	comp=N,6um,20.0s			LR	LR	
WMQ	comp=E,7um,26.0s			LR	LR	

CM31	Chiang Mai Arr	41.10 256	eP	P	23 09 41.9	-0.5
CM31	comp=Z,13um,21.0s,MS5.8			LR	LR	
CM31	comp=Z,39nm,0.8s,mb5.1			LR	LR	
CMAR	Chiang Mai Arr	41.10 256	P	P	23 09 42.3	-0.1
CMAR	comp=Z,20nm,0.7s,mb4.8			PCP	PCP	23 11 42.8 +0.9
CMAR	comp=Z,12nm,0.9s,mb2=22,slow=2.6,SNR=6.7			LR	LR	23 28 37.5
CMAR	comp=Z,8um,18.5s,MS5.6			LR	LR	23 28 37.5
CMAR	Chiang Mai Arr	41.10 256	P	P	23 09 42.3	-0.1
CMAR	comp=Z,20nm,0.7s			Pmax	Pmax	
CMAR	comp=Z,12nm,0.9s			Pmax	Pmax	
CMAR	comp=Z,8um,18.5s			MLR	MLR	
TNA	Tin City	41.53 29	eP	P	23 09 45.6	+0.2
TNA	comp=Z,20nm,1.0s,mb4.7			LR	LR	
TNA	comp=Z,2um,20.0s,MS5.0			LR	LR	
BTD	Bhumibol Dam	41.74 254	P	P	23 09 48.0	+0.2
NST	Nakhon Sawan	41.80 251	P	P	23 09 48.5	+0.2
LSA	Lhasa	42.02 276	eP	P	23 09 50.4	+0.5
LSA	comp=Z,90nm,1.7s,mb5.1			AP	P	23 10 01.5 -1.6
LSA	comp=Z,90nm,1.7s,mb5.1			PP	PP	23 11 29.0 -1.7
LSA	comp=Z,90nm,1.7s,mb5.1			PPP	PPP	23 12 51.4
LSA	comp=Z,90nm,1.7s,mb5.1			S	S	23 16 03.4 -1.8
LSA	comp=Z,90nm,1.7s,mb5.1			XS	XS	23 16 27.0
LSA	comp=Z,90nm,1.7s,mb5.1			AMB	AMB	
LSA	comp=Z,20nm,1.0s,mb4.7			AMB	AMB	
LSA	comp=N,2um,23.0s			LR	LR	
LSA	comp=E,5um,30.0s			LR	LR	
LSA	comp=Z,10um,30.0s			LR	LR	
LSA	Lhasa	42.02 276	eP	P	23 09 50.7	+0.8
LSA	comp=Z,180nm,1.3s,mb5.5			Pmax	Pmax	
LSA	comp=Z,6um,19.0s,MS5.5			MLR	MLR	
LSA	comp=Z,181nm,1.3s,mb5.5			MLR	MLR	
LZA	Zalesovo	42.18 313	P	P	23 09 51.2	+0.4
LZA	comp=Z,6um,19.0s,MS5.5			LR	LR	
LZA	comp=Z,84nm,0.6s,mb5.5			LR	LR	23 28 48.4
ZAL	Zalesovo	42.18 313	P	P	23 09 51.2	+0.4
ZAL	comp=Z,15um,18.1s,MS5.9			baz=293,slow=38		
ZAL	comp=Z,84nm,0.6s			Pmax	Pmax	
ZAL	comp=Z,15um,18.1s			MLR	MLR	
ANM	Novosibirsk	42.27 31	eP	P	23 09 53.4	+1.9
NVS	Novosibirsk	43.10 314	iP	P	23 09 57.4	-1.0
NVS	comp=N,64nm,1.2s			e	P	23 10 09.5 -2.1
NVS	comp=N,64nm,1.2s			Pmax	Pmax	
NVS	comp=E,255nm,1.2s			Pmax	Pmax	
NVS	comp=Z,395nm,1.2s,mb6.0			Pmax	Pmax	
NVS	comp=Z,395nm,1.2s,mb6.0			AP	P	23 09 57.8 -0.6
NVS	comp=Z,395nm,1.2s,mb6.0			S	S	23 10 57.8 -1.4
NVS	comp=Z,395nm,1.2s,mb6.0			AMB	AMB	23 10 03.8
NVS	comp=Z,395nm,1.2s,mb6.0			i	S	23 16 24.0 +2.3
WAW	Wau	43.82 172	eP	P	23 10 49.0	+0.1
WAW	comp=Z,38nm,0.7s,mb5.3			P	P	23 10 07.9 +0.1
WAW	comp=Z,38nm,0.7s,mb5.3			LR	LR	23 29 21.6
MKAR	Makanchi Array	44.25 303	P	P	23 10 07.5	-0.3
MKAR	comp=Z,12um,19.5s,MS5.8			baz=83,slow=37		
MKAR	comp=Z,12um,19.5s,MS5.8			AP	P	23 10 10.0 +0.4
AGT	Agartala	44.44 268	eP	P	23 10 22.5	+1.0
PMG	Port Moresby	45.91 172	eP	P	23 10 22.5	+1.0
PMG	comp=Z,23nm,0.8s,mb5.1			baz=340,slow=9.9,SNR=3.9		
PMG	comp=Z,23nm,0.8s,mb5.1			LR	LR	23 28 13.3
PMG	comp=Z,2um,22.0s,MS4.9			baz=192,slow=34		
PMG	comp=Z,2um,22.0s,MS4.9			P	P	23 10 21.6 +0.1
PMG	comp=Z,2um,22.0s,MS4.9			P	P	23 10 21.6 +0.1
PMG	comp=Z,61nm,1.2s			MLR	MLR	
PMG	comp=Z,2um,19.0s			MLR	MLR	
PMG	comp=Z,61nm,1.2s,mb5.4			LR	LR	
KURK	Kurchatov	46.13 309	iP	P	23 10 21.9	-0.9







Table with columns for station call letters, name, frequency, and other technical details. Includes stations like PSZ Piszkesteto, VYHNE Vyhne, HA'IL Tongue, etc.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like MOX Moxa, ALFC Alevga, GEC2 GERE Array S, etc.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like GCL Cushendall, SWS Schriesheim, HGN Heimasgrove, etc.



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

CASC 03 23:37:56.1z 1.7, 13.71N:90.91W, h47km, 36km, MD3.9, ML4.1

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like TER, IXG, IXC, etc.

NEIC 03 23:51:14.1, 16.80N:100.22W, h6km, MD3.9(MEX), After MEX.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like CAIG, CAIC, ACX, etc.

IDL 04 00:09:35.5z 19.0, 19N:145.41E, h24km, 19km, mb3.3/7, mb1 3.6/7, mb1mx3.4/18, MS3.6/1, Ms1 3.6/1, ms1mx3.1/11, Error ellipse: s-maj=35.7km s-min=27.9km az=71.0

NEIC 04 00:09:36.8z 1.8, 19.18N:145.35E, h260km, 18km, mb3.9/1, Error ellipse: s-maj=31.7km s-min=14.4km az=108.0

ISC 04 00:09:36.2z 2.2, 19.2N:145.3E, h267km, 22km, n13, c0571/12, mb3.4/9, Mariana Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like GUMO, JHJ, WRAB, etc.

IDL 04 00:13:04.1z 0.9, 17.07N:93.98W, h143km, 6km, mb3.6/12, mb1 3.8/14, mb1mx3.7/20, Error ellipse: s-maj=20.5km s-min=13.2km az=39.0

NEIC 04 00:13:05.6z 17.20N:94.08W, h147km, mb3.9/7, MD4.3(MEX), After MEX.

MEX 04 00:13:05.0z 1.2, 17.02N:94.14W, h152km, 10km, MD4.3

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like CMIG, SCX, EVV, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like JTS, HKT, JCT, etc.

IDL 04 00:13:11.7z 4.4, 60.27N:170.79E, mb3.6/5, mb1 3.6/6, mb1mx3.5/21, ML3.1/1, Error ellipse: s-maj=111.0km s-min=26.7km az=177.0

ISC 04 00:13:12.3z 4.0, 60.5N:170.8E, 0.3, h10km, n6, c053/6, mb3.6/5, Eastern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ILAR, INK, YKA, etc.

CASC 04 00:44:51.1z 2.0, 12.82N:88.89W, h28km, 4km, MD4.0, ML3.4, 7C-9D, Off coast of central America

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

IDL 04 01:03:23.4z 3.1, 33.92N:89.36E, mb3.5/5, mb1 3.8/7, mb1mx3.6/16, ML3.7/2, Error ellipse: s-maj=64.8km s-min=23.6km az=55.0

ISC 04 01:03:27.3z 0.9, 34.1N:89.4E, 0.4, h33km, n7, c15/15, mb3.4/5, Xizang

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

THE 04 01:09:43.8, 39.40N-20.26E, h10km, ML3.4
NEIC 04 01:09:43.8, 39.40N-20.52E, h5km, ML3.7(ATH), After
ATH.

IDC 04 01:09:43.9-4.6, 39.57N-20.55E, mb3.4/3, mb1 3.6/4,
mb1mx3.4/18, ML3.6/1, Error ellipse: s-maj=86.6km
s-min=21.3km az=40.0

ATH 04 01:09:43.8, 39.40N-20.52E, h5km, MD3.7/11, ML3.7

ISC 04 01:09:43.8-0.5, 39.39N-0.02-32.0, 32E, 0.02, h4km, 3km,
n68, c1935/104, mb3.4/3, 6C-3D, Greece-Albania border
region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like IGT Igoumenitsa, JAN Janina, KEK Kerkira, etc.

NEIC 04 01:19:28.0-0.5, 49.89N-8.47E, h10km, ML2(LDG),
ML2.2(SZGRF), Error ellipse: s-maj=5.4km s-min=4.1km
az=177.0

LEDBW 04 01:19:29.6-1.2, 49.85N-8.49E, h10km, ML2.4, Error
ellipse: s-maj=24.0km s-min=18.0km az=15.0

LDG 04 01:19:29.7-0.1, 49.86N-8.47E, h10km, Md2.8/2, Ml2.8/17,
Error ellipse: s-maj=2.4km s-min=1.6km az=56.0

BGR 04 01:19:29.7-0.3, 49.93N-8.52E, h10km, ML2.2/6, Error
ellipse: s-maj=3.0km s-min=2.2km az=153.0

BNS 04 01:19:31.8-1.5, 49.79N-8.30E, h10km, ML2.0, Felt with
Intensity III-IV at Riedstadt-Godelau

ISC 04 01:19:26.7-0.3, 49.87N-0.01-8.48E, 0.02, h3km, 3km, n68,
c1939/135, 3C, Germany

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like TOD Tromm, TOD Tod, SWS Schriesheim, etc.

Table with columns: LANSF, LANGENBERG, LANGENBERG, STUTTGART, etc. Lists stations in Germany and Europe.

LDG 04 01:50:13.0-0.5, 42.81N-1.42W, h5km, Md2.6/2, Ml2.3/5,
Error ellipse: s-maj=7.8km s-min=4.8km az=45.0

MDD 04 01:50:14.6-0.3, 42.87N-1.37W, h3km, 6km, mL1.5/15,
Error ellipse: s-maj=2.0km s-min=2.0km az=17.0, PRXIMO
NEIC 04 01:50:15.5, 42.90N-1.33W, ML2.3(LDG), ML2.3(STFR),
MN1.5(MDD), After MDD

ISC 04 01:50:13.0-0.5, 42.85N-0.03-1.35W, 0.04, h13km, 4km,
n32, c129/42, Pyrenees

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

NEIC 04 01:31:30.0, 34.16S-70.52W, h107km, MD3.2(GUC), After
GUC

GUC 04 01:31:30.0-0.8, 34.16S-70.52W, h107km, 3km, MD3.2,
ML3.8, 10C-8D, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like CACH El Canelo, CACH Cach, CICH Cipreses, etc.

Table with columns: PCH Pirque, PCH Pirque, ANTU Antumapu, ANTU Antu, etc. Lists stations in Chile and Argentina.

LDG 04 01:50:13.0-0.5, 42.81N-1.42W, h5km, Md2.6/2, Ml2.3/5,
Error ellipse: s-maj=7.8km s-min=4.8km az=45.0

MDD 04 01:50:14.6-0.3, 42.87N-1.37W, h3km, 6km, mL1.5/15,
Error ellipse: s-maj=2.0km s-min=2.0km az=17.0, PRXIMO
NEIC 04 01:50:15.5, 42.90N-1.33W, ML2.3(LDG), ML2.3(STFR),
MN1.5(MDD), After MDD

ISC 04 01:50:13.0-0.5, 42.85N-0.03-1.35W, 0.04, h13km, 4km,
n32, c129/42, Pyrenees

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

Table with columns: EJON, 1.0nm, 0.6s, SNR=7.9, Sn, Sn, 01 51 41.7 +0.5

IDC 04 02:21:05.6:1.4, 48.815:128.16E, mb3.8/4, mb1 4/1,4, mb1mx4.0/7, MS3.6/7, Ms1 3.6/7, ms1mx3.4/13, Error ellipse: s-maj=78.0km s-min=24.7km az=87.0

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

IDC 04 02:29:40.3:4.3, 58.85N:151.51W, mb3.4/1, mb1 3.8/4, mb1mx3.5/19, ML3.3/3, Error ellipse: s-maj=77.9km s-min=20.9km az=85.0

NEIC 04 02:29:41.1, 59.24N:153.79W, h127km, After AEIC. ISC 04 02:29:38.4:0.4, 59.24N:153.78W, 0.09, h139km, 4km, n77, c0874/83, mb3.1/1, Southern Alaska

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC

NMC 04 02:59:25.5:6.6, 49.99N:86.70E, h20km, 48km, mpv4.0, Error ellipse: s-maj=80.8km s-min=35.0km az=92.0

MOS 04 02:59:13.4:2.8, 49.89N:88.11E, h15km, mb4.4/1, 9C-4D, Error ellipse: s-maj=21.1km s-min=14.2km az=107.4, Tuva-Buryatia-Mongolia border region

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

Table with columns: ELT, Yel'tsovka, 3.57 342 ePN, Pn, 03 00 15.6 +6.1

NEIC 04 03:35:11.3:61.44N:159.67W, h18km, ML3.8(AEIC), After AEIC., Southern Alaska

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

IDC 04 03:28:32.0:1.1, 20.60S:174.13W, mb4.0/10, mb1 4.2/12, mb1mx4.2/18, ML4.4/2, Error ellipse: s-maj=55.1km s-min=18.9km az=149.0

NEIC 04 03:28:33.5:0.6, 20.58S:174.12W, h10km, mb4.5/3, Error ellipse: s-maj=29.0km s-min=12.3km az=143.0

ISC 04 03:28:44.1:6.9, 20.95S:0.1x174.1W, 0.2, h115km, 62km, n20, c085/19, mb3.9/13, Tonga Islands

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

NEIC 04 04:01:09.3:1.1, 7.11S:125.95E, h491km, 14km, mb4.6/1, Error ellipse: s-maj=30.5km s-min=11.6km az=60.0

IDC 04 04:01:09.9:2.5, 7.19S:125.83E, h499km, 28km, mb3.2/5, mb1 3.5/8, mb1mx3.4/13, Error ellipse: s-maj=62.9km s-min=10.7km az=64.0

ISC 04 04:01:07.4:1.4, 7.07S:0.10, 125.8E, 0.2, h479km, 18km, n18, c081/19, mb3.6/5, 2C, Banda Sea

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

MDD 04 03:41:20.0:2.0, 42.81N:7.23W, h11km, mbLQ2.0/21, Error ellipse: s-maj=3.1km s-min=1.4km az=102.0

NEIC 04 03:41:20.0, 42.82N:7.25W, h11km, MN2.0(MDD), After MDD.

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

INMG 04 03:41:20.0:3.1, 42.82N:7.24W, h8km, 5km, ML2.0, Error ellipse: s-maj=2.6km s-min=1.8km az=85.0

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

NEIC 04 04:01:09.3:1.1, 7.11S:125.95E, h491km, 14km, mb4.6/1, Error ellipse: s-maj=30.5km s-min=11.6km az=60.0

IDC 04 04:01:09.9:2.5, 7.19S:125.83E, h499km, 28km, mb3.2/5, mb1 3.5/8, mb1mx3.4/13, Error ellipse: s-maj=62.9km s-min=10.7km az=64.0

ISC 04 04:01:07.4:1.4, 7.07S:0.10, 125.8E, 0.2, h479km, 18km, n18, c081/19, mb3.6/5, 2C, Banda Sea

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

0.7m, 0.9s, baz=154, slow=3, SNR=4.6

NEIC 04 04:09:13.8, 42.33N, 0.86E, h5km, ML2.5(LDG), ML2.5(STR), MN2.0(MDD), After STR, LDG 04 04:09:13.8, 0.1, 42.32N, 0.84E, h4km, Md2.5/2, M2.5/10, Error ellipse: s-maj=1.8km s-min=1.6km az=43.0, MDD 04 04:09:14.1, 0.2, 42.34N, 0.82E, mbLg1.9/1.7, Error ellipse: s-maj=1.8km s-min=1.7km az=67.0, PRXIMO ISC 04 04:09:12.3, 0.3, 42.36N, 0.02-0.87E, 0.03, h11km, 3km, n44, c135/67, Pyrenees

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CSOR Sort, SALF Salau, MELF Melles, PAND Andorre, etc.

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

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

IDC 04 04:24:26.9, 1.3, 52.26N, 30.52W, mb3.6/9, mb1 3.8/9, mb1mx3.7/21, MS3.1/4, Ms1 3.1/4, ms1mx2.9/21, Error ellipse: s-maj=43.1km s-min=17.9km az=6.0, NEIC 04 04:24:28.4, 0.6, 52.27N, 30.54W, h10km, mb3.7/3, Error ellipse: s-maj=22.0km s-min=9.5km az=189.0, ISC 04 04:24:26.8, 0.9, 52.3N, 0.2-30.6W, 0.2, h10km, n18, c050/14, mb3.6/11, MS2.9/4, Northern Mid-Atlantic Ridge

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

JMA 04 04:37:48.3, 0.2, 22.60N, 121.58E, h83km, M2.9, TAP 04 04:37:48.3, 22.93N, 121.26E, h23km, ML3.4, ISC 04 04:37:48.1, 2.4, 22.6N, 0.2-121.7E, 0.2, h23km, n5, c051/10, Taiwan region

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

NEIC 04 05:00:16.9, 0.4, 43S, 173.28E, h21km, After WEL, WEL 04 05:00:18.1, 0.4, 43S, 173.30E, h205km, 3km, ML3.8/4, Error ellipse: s-maj=2.3km s-min=1.5km az=90.0, ISC 04 05:00:16.5, 0.7, 40.46S, 0.05-173.32E, 0.06, h211km, 6km, n67, c083/84, 7C-3D, Cook Strait

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DRW D'Urville Isla, DRW D'Urville Isla, DRW Quartz Range, etc.

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

GUC 04 05:41:03.5, 0.9, 24.07S, 67.04W, h190km, MD3.9, ML4.3, IDC 04 05:41:04.1, 3.2, 23.89S, 66.91W, h177km, 28km, mb3.5/6, mb1 3.7/9, mb1mx3.6/14, Error ellipse: s-maj=36.6km, NEIC 04 05:41:05.0, 0.8, 23.94S, 66.85W, h184km, 7km, mb4.1/3, Error ellipse: s-maj=13.0km s-min=10.0km az=73.0, ISC 04 05:41:03.9, 0.7, 24.03S, 0.05-66.90W, 0.8, h184km, 7km, n31, c101/36, mb3.8/8, 3C-4D, Salta Province

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



Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res, h, m, s, ISC. Includes stations like Takazaki, Natsuke, Wajuku Array Si, Incheon, Nanjing, etc.

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

NEIC 04 06:35:19.9-0.6, 49.86N-8.47E, h13km, 5km, ML3.0(LDG), ML2.2(SZGRF), Error ellipse: s-maj=1.6km s-min=4.4km az=153.0

BGR 04 06:35:20.8-0.3, 49.86N-8.53E, h10km, ML2.5/8, Error ellipse: s-maj=2.2km s-min=2.2km az=143.0

LEDBW 04 06:35:21.0-0.9, 49.84N-8.48E, h10km, ML2.6, Error ellipse: s-maj=20.0km s-min=14.0km az=11.0

LDG 04 06:35:21.1-0.2, 49.86N-8.47E, h10km, Md2.9/2, M3.0/25, Error ellipse: s-maj=3.8km s-min=2.5km az=50.0

BNS 04 06:35:23.2-0.7, 49.80N-8.32E, h10km, ML2.2, Felt with Intensity III-IV at Riedstadt-Goddelau

ISC 04 06:35:18.1-0.3, 49.87N-0.01-8.48E, h5km, 2km, n88, r135/181, 3C-1D, Germany

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

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

MOS 04 06:41:04.3-0.6, 45.71N-26.50E, h150km, mb4.8/2, Error ellipse: s-maj=14.2km s-min=6.0km az=88.5

NEIC 04 06:41:05.9-0.6, 45.76N-26.46E, h138km, 9km, MD4.7(BUC), Error ellipse: s-maj=11.1km s-min=5.4km az=72.0

BUC 04 06:41:05.3-1.6, 45.64N-26.48E, h150km, 18km, MD4.7/4, Error ellipse: s-maj=25.9km s-min=9.6km az=47.0

IDC 04 06:41:05.9-0.5, 45.81N-26.42E, h133km, 10km, mb3.7/7, mb1.3/5/15, mb1mx3.4/25, Error ellipse: s-maj=28.5km s-min=14.2km az=33.0

SOF 04 06:41:06.7, 45.70N-26.38E, h75km, MD3.3, ISC 04 06:41:04.7-0.2, 45.72N-0.02-26.47E, 0.04, h147km, 3km, n84, c987/95, mb4.0/9, 14C-6D, Romania

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







Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Dobruska-Polom, Upych, VYHNS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TCF, GRI, ROB, MBDP, RORO, PZZ, ORIF, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like az=149.0, JMA 04:08:41.02, etc.

ATH 04:08:39:48.8, 38.47N, 23.87E, h4km, ML2.4 THE 04:08:39:50.5, 38.54N, 23.98E, h11km ISC 04:08:39:47.1, 1.38, 47.47N, 0.03, 24.0E, 0.1, h2km, 11km, n10, 0.659/1, Greece



Table with columns: KEDI, Kedondong, 0.20 318, P, 09 56 27.6, -0.1

IDC 04 09:57:15.0, 0.8, 7.80N-37.32W, mb4.0/20, mb1 4.2/20, mb1mx4.2/22, MS4.2/17, Ms1 4.2/17, ms1mx4.2/18, Error ellipse: s-maj=27.4km s-min=14.4km az=141.0

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

SAVY Santiago Islan 15.05 60 Op P ISC 10 00 44.4 +4.6

BDFB Brasilia 25.54 205 P P 10 02 45.7 +0.7

PCRV comp=Z, 807nm, 21.1s, MS4.2, bazz=26, slow=34

SJG San Juan 30.21 293 LR P 10 13 12.0

SJG comp=Z, 563nm, 21.3s, MS4.2, bazz=110, slow=32

RJSC San Juan 30.21 293 eP P 10 03 27.5 0.0

LPZA La Paz 38.88 232 P P 10 04 42.6 +0.7

CPUP Ylla Florida 39.08 210 LR LR 10 20 21.5

OTAV Otavalo 41.94 262 eP P 10 05 06.2 -1.1

ESDC Sonseca Array 43.54 38 P P 10 05 20.4 +0.3

ELN Prospektale 49.38 313 eP P 10 06 09.0 +2.8

SCHO Schefferville 52.78 339 P P 10 06 29.8 -1.9

WVT Waverly 54.24 309 eP P 10 06 44.6 +1.9

DAVOX Davos 55.87 37 P P 10 06 56.0 +1.5

GERES GERESS Array B 59.12 37 P P 10 07 17.8 +0.4

VRAC Vranov 61.03 37 P P 10 07 30.3 -0.2

NOA NORSA Subarra 64.14 24 P P 10 07 51.4 +0.4

NOA NORSA Array B 64.14 24 P P 10 07 51.2 +0.3

ULM Lac du Bonnet 64.53 323 P P 10 07 52.2 -1.5

HFS comp=Z, 176nm, 18.7s, MS4.3, bazz=172, slow=32

MLR Muntele Rosu 65.77 43 P P 10 08 02.6 +0.8

TXAR Lajitas Array 65.97 299 LR LR 10 08 00.7 -2.6

FCC Fort Churchill 66.85 332 eP P 10 08 06.6 -1.9

SDCO Great Sand Dun 68.38 308 eP P 10 08 18.1 -0.3

FINES FINESS Array B 70.68 27 P P 10 08 30.9 -1.2

FINES Kangasniemi 71.02 26 eP P 10 08 33.7 -0.4

PDAR Pinedale Array 72.06 312 P P 10 08 39.4 -1.3

LKWY Lake 72.86 314 P P 10 08 47.7 +2.3

KSWY Kelly School 72.92 313 eP P 10 08 45.6 -0.3

REDW Red Top Meadow 73.06 313 P P 10 08 46.6 0.0

DAU Daniels Canyon 73.11 310 eP P 10 08 49.0 +2.0

YMR Madison River 73.27 314 eP P 10 08 49.7 +1.8

HWT Hardware Ranch 73.43 311 eP P 10 08 48.7 -0.1

JOF Joensuu 73.47 26 eP P 10 08 47.7 -1.0

ARCES ARCESS Array B 73.50 19 P P 10 08 47.6 -1.1

MSU Marysvalde 73.69 308 eP P 10 08 52.5 +2.1

RESU Resolute Bay 74.52 346 P P 10 08 56.0 +1.4

KMBO Kilima Mbogo 74.57 93 LR P 10 08 23.0

HLID Hailey 75.56 313 eP P 10 09 02.6 +0.9

YKA Yellowknife Ar 75.76 332 P P 10 09 10.0 -1.8

YKWS Yellowknife Ar 77.57 332 eP P 10 09 12.4 +0.5

NVAR Miina Array Baa 78.50 308 P P 10 09 16.7 -0.8

ISABELLA Isabella 78.68 305 eP P 10 09 20.9 +2.3

MOD Modoc 79.97 311 eP P 10 09 25.4 -0.1

INK Inuvik 85.39 338 P P 10 09 52.8 0.0

DAWY Dawson 85.59 325 eP P 10 10 07.0 -1.4

ILAR Eielson Array 91.46 336 P P 10 10 21.5 -0.3

ILAR comp=Z, 156nm, 18.4s, MS4.5, bazz=267, slow=34

SYO Syowa Base 92.29 159 P P 10 10 24.5 -1.1

SYO Syowa Base 92.29 159 P P 10 10 30.2 +1.4

MDD 04 10:01:38.8, 0.6, 43.07N, 0.46W, h4km, 8km, mbLg0.9/4, Error ellipse: s-maj=4.1km s-min=2.4km az=179.0, PRXIMO

LDG 04 10:01:39.1, 0.1, 42.82N, 0.38W, h2km, Md1.8/2, Error ellipse: s-maj=3.0km s-min=0.3km az=3.0

ISC 04 10:01:37.4, 1.7, 43.08N, 0.10, 0.47W, 0.06, h13km, 19km, n6, 06657.7, Pyrennes

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

REYF Montagne du Re 0.06 100 Pg Pg 10 01 39.8 -0.2

ATE Arette 0.17 272 Pg Pg 10 01 42.1 +0.6

ETSF Etsait 0.19 199 ePg Pg 10 01 42.4 +0.5

ETSF 2.7nm, 0.2s 0.60 94 ePg Pg 10 01 44.6 -0.3

EPF Esparros 0.60 94 ePg Pg 10 01 50.0 +0.4

Table with columns: EPF, 1.4nm, 0.2s, eSg Sg, 10 01 57.4 -0.3

IDC 04 10:02:42.3, 26.0, 22.55S-173.27W, mb4.0/4, mb1 4.1/4, mb1mx3.8/15, Error ellipse: s-maj=490.0km s-min=140.8km az=78.0, Tonga Islands region

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

WEL 04 10:38:03.8, 0.1, 41.09S, 175.07E, h31km, ML3.5/6, 3C-7D, Error ellipse: s-maj=0.6km s-min=0.6km az=90.0, North Island

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

CAW Cannon Point 0.02 185 Op P ISC 10 38 08.8 -0.1

CAW Orongorongo Tu 0.20 195 Op P Sb 10 38 12.6 +0.2

KIW Kapiti Island 0.26 331 Op P Sb 10 38 09.8 -0.3

WEL Wellington 0.30 229 Op P Sb 10 38 10.8 +0.1

MRW Makara Radio 0.31 243 Op P Sb 10 38 11.7 +0.1

MRW Mount Morrison 0.33 103 Op P Sb 10 38 11.4 -0.1

MRW Baring Head 0.36 205 Op P Sb 10 38 11.8 -0.3

MSWZ Moikau Station 0.36 158 Op P Sb 10 38 12.1 0.0

MRZ Mangatanioka R 0.57 43 Op P Sb 10 38 13.3 +0.6

MRZ Wangari 0.61 258 Op P Sb 10 38 15.1 -0.3

CMWZ Cape Campbell 0.92 224 Op P Sb 10 38 16.0 -0.2

BFZ Birch Farm 0.98 66 Op P Sb 10 38 20.7 -1.4

BSWZ Blackbirch Sta 1.10 235 Op P Sb 10 38 22.9 -1.2

TSZ Takapari Road 1.23 34 Op P Sb 10 38 24.7 -1.6

WAZ Wanganui 1.33 357 Op P Pn 10 38 27.9 +1.3

KHZ Kahurangi 1.76 220 SN Pn 10 38 51.7 -2.5

THZ Tophouse 1.76 247 SN Pn 10 38 57.7 -1.1

DRZ Dome Shelter 1.85 12 ePN Pn 10 38 35.0 +1.1

FWWZ Far West T-bar 1.86 12 PN Pn 10 38 34.4 +0.2

TUVZ Tukino 1.87 14 PN Pn 10 38 34.8 +0.5

DFZ Dawson Falls 1.91 337 ePN Pn 10 38 36.8 +1.8

WPVZ Wapiti 1.91 11 PN Pn 10 38 37.5 +0.6

CNZ Chateau 1.92 11 ePN Pn 10 38 34.6 -0.4

QRZ Quartz Range 1.94 277 PN Pn 10 38 35.3 0.0

NGZ Ngauruhoe 1.95 12 PN Pn 10 38 36.0 +0.5

VRZ Vera Road 1.97 353 PN Pn 10 38 37.5 +1.7

WTVZ West Tongariro 2.01 112 PN Pn 10 38 36.7 +0.5

KAVZ Karewarewa 2.03 13 PN Pn 10 38 37.1 +0.5

OIZ Oizo 2.05 7 PN Pn 10 38 37.0 +0.1

MGZ Maungakau 2.11 10 PN Pn 10 38 37.8 +0.1

BKZ Black Stump Fm 2.21 30 PN Pn 10 38 37.3 -1.8

DSZ Denniston North 2.24 254 PN Pn 10 38 42.5 -1.4

HIZ Hiriwai 2.27 356 PN Pn 10 38 43.5 -0.2

LTZ Lake Taylor 2.69 230 ePN Pn 10 38 43.6 -2.4

MQZ McQueen's Vall 3.17 214 SN Pn 10 39 22.4 -7.7

MWZ Matawai 3.34 35 ePN Pn 10 38 51.0 -4.2

ODZ Otahua Downs 5.12 218 ePN Pn 10 39 16.0 -4.4

KRSK 04 10:56:09.9, 0.5, 49.31N, 156.68E, h74km, 27km, ML3.8, Kuril Islands

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

SKR Severo-Kuril's 1.42 345 eP P 10 57 15.5 +4.1

ALID Alaid 1.72 335 eP P 10 56 38.6 +0.1

PAU Puzhetzka 2.16 22 eP P 10 56 59.4 -0.1

PAU Malaya Ipe'l'ka 2.97 1 eP S 10 57 10.6 +0.5

MIPR Russkaya 3.34 20 eP S 10 56 56.3 +0.4

RUS GRL 3.36 15 eP S 10 57 01.3 +0.3

GRL GORELYY 3.36 15 eP S 10 57 02.7 +1.3

KRMR Karymskiy 3.64 14 eP S 10 57 01.4 +0.8

PET Petropavlovsk 3.92 18 eP P 10 57 10.1 +1.0

PET Uglavovaya 4.13 18 eP S 10 57 54.0 -0.2

AVH Avacha 4.17 17 eP S 10 57 13.4 +1.4

KOK Koryaka 4.17 16 eP S 10 57 14.4 +1.9

KOK Koryaka 4.17 16 eP S 10 57 14.7 +2.1

SMAR Sedma 4.18 18 eP S 10 58 02.6 +2.1

SDLR Solovka 4.21 18 eP S 10 57 14.1 +1.4

SDLR Solovka 4.21 18 eP S 10 57 13.8 +0.7

NLC Nalytchevo 4.21 22 eP S 10 57 12.6 -0.6

NLC Nalytchevo 4.21 22 eP S 10 57 58.2 -3.3

SPN Mys Shipunski 4.34 28 eP S 10 57 15.5 +1.1

SPN Ganaly 4.46 10 eP S 10 58 03.5 -1.1

MKZ Mys Kozlova 6.11 29 eP P 10 57 39.1 -0.3

KMNR Kamenskiy 6.81 17 P P 10 57 50.5 +1.3

KBTR Krutoberegovo 7.85 26 eP P 10 58 02.6 -0.9

IDC 04 11:12:15.6, 5.0, 17.18S, 179.83W, h640km, 69km, mb3.2/3, s-min=18.7km az=71.0, Error ellipse: s-maj=84.7km

ISC 04 11:12:15.0, 1.7, 17.45S, 179.8W, 0.1, h650km, n10, 0.35R, 0.3, mb3.9/3, ID, Fiji Islands region

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

RAR Rarotonga 19.30 105 P P 11 16 02.2 0.0

STKA Stephens Creek 37.70 240 eP P 11 18 39.8 +0.2

STKA Stephens Creek 37.70 240 P P 11 18 40.0 +0.2

WB2 Warramunga Arr 43.38 259 eP P 11 19 24.3 -0.6

WRA Warramunga Arr 43.40 259 P P 11 19 24.5 -0.5

AS12 Alice Springs 43.63 254 P P 11 19 26.8 0.0

ASAR Alice Springs 43.63 254 P P 11 19 26.9 +0.2

ASAR 0.5nm, 0.4s, mb4.2, bazz=89, slow=7.9, SNR=207

KAKA Kakadu 46.28 269 eP P 11 19 47.5 +0.4

FITZ Fitzroy Crossi 51.78 260 eP P 11 20 27.7 +0.4

GERES GERESS Array B 146.76 344 PKPbc PKPbc 11 20 45.9 +0.9

WAR 04 11:31:43.2, 50.21N, 19.14E, h1km, Location given by Central Institute of Mining, origin time based upon NIE

NEIC 04 11:31:44.0, 2.0, 50.19N, 18.93E, h5km, Error ellipse: s-maj=28.2km s-min=12.4km az=190.0

PRU 04 11:31:44.0, 50.25N, 18.98E

ISC 04 11:31:41.7, 0.6, 50.23N, 0.05, 19.01E, 0.04, n12, 0.15, 40/22, Poland

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

OJC Ojcow 0.50 91 P Pg Pg 11 31 50.8 -0.9

OJC Ojcow 0.50 91 P Pg Pg 11 31 57.8 -0.6

OKC Ostrava-Krasne 0.68 235 ePg Pg 11 31 57.1 +1.8

MORC Moravsky Berou 1.05 245 ePg Pg 11 32 05.7 +1.3

MORC Moravsky Berou 1.05 245 ePg Pg 11 32 04.0 +0.6

NIE Niedzica 1.17 133 ePg Pg 11 32 17.1 +0.5

NIE Niedzica 1.17 133 ePg Pg 11 32 04.5 -0.5

NIE Niedzica 1.17 133 ePg Pg 11 32 19.9 -0.7

NIE Niedzica 1.17 133 ePg Pg 11 32 04.0 -1.0

NIE Niedzica 1.17 133 ePg Pg 11 32 20.0 -0.6

DPC Dobruska-Polom 1.73 275 ePg Pg 11 32 13.6 -2.6

DPC Dobruska-Polom 1.73 275 ePg Pg 11 32 37.7 -1.6

Table with columns: VYHS Vyhne, 1.74 184 ePN Pn, 11 32 12.8 -0.5

IDC 04 11:37:41.7, 3.3, 50.46S, 114.09E, mb4.1/3, mb1 4.3/3, mb1mx4.0/9, Error ellipse: s-maj=142.0km s-min=61.3km az=114.0, Western Indian-Antarctic Ridge

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

ASAR Alice Springs 30.87 37 P P 11 43 59.5 -2.3

FITZ Fitzroy Crossi 33.58 20 eP P 11 44 23.6 -1.9

FITZ Fitzroy Crossi 33.58 20 P P 11 44 24.0 -1.6

WRA Warramunga Arr 34.42 35 P P 11 44 30.3 -2.5

YKA Yellowknife Ar 151.29 47 PKPbc PKPbc 11 57 35.5 +4.1

IDC 04 11:41:22.1, 6.6, 36.39N, 71.30E, h122km, 54km, mb3.7/8, mb1 3.9/11, mb1mx3.7/18, Error ellipse: s-maj=40.7km

MOS 04 11:41:23.8, 1.2, 36.41N, 71.13E, h152km, mb4.2/7, Error ellipse: s-maj=22.7km s-min=8.2km az=90.9

BUI 04 11:41:24.7, 36.43N, 71.28E, h155km, mb4.0

NEIC 04 11:41:25.5, 4.2, 36.42N, 71.33E, h154km, 35km, mb4.1/1, Error ellipse: s-maj=30.6km s-min=14.4km az=211.0

NINC 04 11:41:29.3, 5.2, 36.85N, 71.14E, h169km, 48km, mpv4.7, Error ellipse: s-maj=49.1km s-min=39.4km az=33.0

ISC 04 11:41:24.3, 0.5, 36.40N, 0.03, 71.2



Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like NORSAR Subarra, NORSAR Array B, NORSAR Array A, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like ATH Athens Observa, NSAL Nisos Salamina, NSAL Litokhoron, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like KCP Bislig, BIPH Bislig, BIPH Tagaytay City, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like FITZ Fitzroy Crossi, CMAR Chiang Mai Arr, WRA Warramunga Arr, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like CTA Charters Tower, STKA Stephens Creek, WRA Warramunga Arr, etc.

CASC 04 14:27:43.4:2.2, 8.22N-82.71W, h2km, 6km, MDA3, ML3.3, MW3.9, MW3.9(UCR), 6C-5D, Panama-Costa Rica border region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like PTP1 Petroterminal, DVD David, BRU2 Volcan, etc.

NEIC 04 12:24:42.8, 43.51N-120.82E, h2km, ML2.1(LDG), After LDG

LDG 04 12:24:42.8:0.2, 43.51N-120.82E, h2km, M2.0/2, M2.1/6, Error ellipse: s-maj=4.0km s-min=2.0km az=149.0

MDD 04 12:24:43.5:0.5, 43.50N-120.79E, h15km, 15km, mbLg1.2/8, Error ellipse: s-maj=6.4km s-min=3.9km az=132.0

PRXIMO

ISC 04 12:24:41.0:0.6, 43.55N-120.03:2.79E:0.04, h2km, n9, c0591/14, France

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like MTLF Montlieu, LASF Ste Croix, CARF Carcanieres, etc.

TAP 04 13:58:53.7, 24.33N-121.78E, h5km, ML3.0

TAP Fall III J at Nanau

JMA 04 13:58:54.0:1.0, 25.05N-121.91E, h37km

ISC 04 13:58:53.1:0.5, 24.32N-121.82E:0.03, h4km, 4km, n35, c074/56, 2C-3D, Taiwan

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like ENA Nanau, ENA ENA, TWC Suao, etc.

ISC 04 14:54:38.7:7.7, 13.40N-93.21E, mb4.2/2, mb1.4/1.3, mb1mx3.6/15, ML3.4/1, Error ellipse: s-maj=162.0km

s-min=46.6km az=105.0

ISC 04 14:54:46.7:1.1, 14.5N:0.1x92.86E:0.08, h150km, n8, c0574/9, mb4.0/2, Andaman Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like CMAR Chiang Mai Arr, CMAR CMAR, PKI Pulchoki, etc.

ISC 04 13:05:27.2:3.2, 19.44Sx178.18W, mb3.6/4, mb1.4/0.4, mb1mx3.8/13, Error ellipse: s-maj=179.0km

s-min=28.4km az=151.0, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

CASC 04 14:12:45.2:1.5, 12.12N:87.84W, h24km, 4km, MD3.9, 4C-6D, Near coast of Nicaragua

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like PYN Poneloya, PYN PYN, CRIN Leon Cristobal, etc.

NEIC 04 15:10:46.0:32.10S-138.24E, h11km, ML3.0(AUST), After AUST

AUST 04 15:10:46.7:32.11S-138.24E, h11km, ML3.0

ISC 04 15:10:52.0:5.3, 31.29Sx138.64E, mb1.3/2.3, mb1mx3.1/10, ML2.7/3, Error ellipse: s-maj=103.0km

s-min=17.8km az=32.0

ISC 04 15:10:45.2:9.3, 31.85S:0.09x138.23E:0.06, h15km, 20km, n7, c1920/10, South Australia

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like BBOO Buckleboob, BBOO BBOO, STKA Stephens Creek, etc.

CASC 04 13:10:42.1:1.8, 13.54N:90.51W, h26km, 5km, MD3.9, ML3.6

ISC 04 13:10:40.7:1.3, 13.43N:0.07x90.55W:0.04, h22km, 7km, n16, c0555/30, 1C-9D, Near coast of Guatemala

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like IXG Ixpaco, CUSC Cusmapa, CUSC CUSC, etc.

JMA 04 14:14:28.9:0.4, 23.97N:122.48E, h8km, M2.3

TAP 04 14:14:28.6, 23.97N:122.30E, h12km, 1km, ML3.0

ISC 04 14:14:27.8:2.4, 24.0N:0.1x122.4E:0.1, h12km, n5, c0579/10, Taiwan region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like YOJ Yonaguni jima, YOJ YOJ, IRII Iriomote-Funau, etc.

JMA 04 15:11:33.7:0.2, 24.41N:122.07E, h40km

TAP 04 15:11:34.3, 24.43N:121.99E, h15km, ML2.9

ISC 04 15:11:33.2:0.5, 24.41N:0.02x122.12E:0.02, h8km, 3km, n35, c0590/59, 2C-1D, Taiwan region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like TWC Suao, TWC TWC, ENA Nanau, etc.

THE 04 13:17:24.6, 38.90N-23.46E, h6km, ML2.4

ATH 04 13:17:26.2, 38.98N-23.36E, h3km, 3km, MD2.6/5, ML2.9

ISC 04 13:17:25.5:0.5, 38.97N:0.02x23.42E:0.04, h3km, n9, c0563/16, Greece

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like NEO Neokhori, NEO NEO, AOS Alonnisos, etc.

ISC 04 14:20:09.4:1.9, 5.50N:125.75E, mb3.7/4, mb1.3/9/4, mb1mx3.7/15, MS2.9/1, Ms1 2.9/1, ms1mx2.4/20, Error ellipse: s-maj=121.0km s-min=22.9km az=68.0

ISC 04 14:20:13.0:0.9, 5.46N:0.06x125.7E:0.2, h33km, n7, c1928/8, mb3.6/4, 2C, Mindanao

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

ISC 04 15:11:33.2:0.5, 24.41N:0.02x122.12E:0.02, h8km, 3km, n35, c0590/59, 2C-1D, Taiwan region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like TWC Suao, TWC TWC, ENA Nanau, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like IRIF Iriomote-Funau, ALS Alishan, CHNS Tsauling, etc.

NEIC 04 15:17.54:0.1.7.53.41N:164.07W, h30km, 12km, ML3.5(AEIC), Error ellipse: s-maj=0.9km s-min=3.7km az=163.0

IDC 04 15:17.57:1.4.6.53.61N:164.05W, h52km, 41km, mb3.6/10, mb1 3.9/13, mb1mx3.7/23, ML3.5/3, MS3.5/5, Ms1 3.5/5, ms1mx3.1/28, Error ellipse: s-maj=30.9km s-min=15.9km az=6.0

ISC 04 15:17.51:5.1.6.53.25N:0.05:163.95W, 0.06, h29km, n38, o0687/40, mb3.9/9, MS3.5/3, Unimak Island region

Main table for the first section, listing station codes, names, and seismic data. Includes stations like West Dahl East, West Dahl South, West Dahl North, etc.

IDC 04 15:30:26.1:4.2.54.19N:156.89W, mb3.1/2, mb1 3.5/4, mb1mx3.4/20, ML3.5/2, Error ellipse: s-maj=87.3km s-min=38.6km

NEIC 04 15:30:30.2:0.9.54.55N:156.73W, h30km, ML3.6(AEIC), Error ellipse: s-maj=16.0km s-min=2.8km az=155.0

ISC 04 15:30:24.8:1.3.54.4N:0.1:156.5W:0.1, h10km, n42, o098/42, mb3.0/2, South of Alaska

Main table for the second section, listing station codes, names, and seismic data. Includes stations like Sand Point, Dolgoi Island, Pavlov Volcano, etc.

IDC 04 15:48:05.3:28.0.48.03N:118.44E, mb3.2/3, mb1 3.5/3, mb1mx3.3/19, Error ellipse: s-maj=890.0km s-min=33.5km az=160.0

NEIC 04 15:48:38.5:1.0.55.24N:113.77E, h10km, Error ellipse:

s-maj=17.8km s-min=15.6km az=193.0
NEIC Felt (I) at Uakit
MOS 04 15:48:38.6:2.7.55.33N:113.49E, h20km, mb4.9/1, Error ellipse: s-maj=13.9km s-min=7.8km az=60.7
MOS Felt (I) at Uakit
BYKL 04 15:48:39.4:0.2.55.37N:113.50E, h19km, 3km, Felt I=II
MSK at Uakit

Main table for the second section, listing station codes, names, and seismic data. Includes stations like Uakit, Uoyan, Ulyunhan, etc.

Main table for the third section, listing station codes, names, and seismic data. Includes stations like TUP, OGRG Ongureny, ZRHB Zarechye, etc.











Table with columns: WRA, WB2, WRAB, CTA, CTAO. Includes station names, coordinates, and times.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like YOJ, YOF, IRIF, HATJ, JKRS, JKRS, JU, JU.

Table with columns: LPAZ, LPAZ, BDFB, YKA, MKAR. Includes station names, coordinates, and times.

IDC 04 18:16:36.5:24.0, 4.67Sx10.78W, mb4.0/4, mb1 4.1/4, mb1mx3.7/17, Error ellipse: s-maj=1107.0km

IDC 04 19:23:53.0:2.2, 24.0N, 0.1x122.3E, 0.1, h17km, n5, <math>\sigma\_{659}</math>10, Taiwan region

THE 04 20:46:02.7, 38.48N-23.98E, h30km, ML2.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BDFB, GERES, FINES, ARCES.

IDC 04 19:42:53.2:1.7, 1.57N, 126.25E, mb3.4/3, mb1 3.7/4, mb1mx3.5/13, ML3.6/1, Error ellipse: s-maj=124.0km

ATH 04 20:46:02.1, 38.46N-23.88E, h14km, MD2.7/3, ML2.4

IDC 04 18:20:23.0:0.7, 15.38Sx173.52W, mb4.0/11, mb1 4.3/12, mb1mx4.2/16, ML4.3/1, Error ellipse: s-maj=35.3km

IDC 04 19:42:56.6:1.6, 1.4N, 0.3x125.9E, 0.6, h33km, n5, <math>\sigma\_{625}</math>5, mb3.3/3, Northern Molucca Sea

NEIC 04 20:58:35.2, 38.45N-24.42E, h30km, ML2.8(ATH), After ATH

NEIC 04 18:20:24.8:0.3, 15.33Sx173.59W, h10km, mb4.4/5, Error ellipse: s-maj=14.9km s-min=7.3km az=133.0

IDC 04 18:20:23.0:0.5, 15.3S, 0.1x173.6W, 0.1, h10km, n38, <math>\sigma\_{49}</math>21, mb4.1/16, Tonga Islands

ATH 04 20:58:35.2, 38.45N-24.42E, h30km, ML2.8(ATH), After ATH

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RAR, RAR, URZ, STKA, STKA, WB2, WRAB.

NEIC 04 20:08:15.1, 34.97N, 4.11W, h26km, MG3.5(MDD), After MDD

ATH 04 20:58:35.2, 38.45N-24.42E, h30km, ML2.8(ATH), After ATH

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WRA, AS12, ASAR, VNSA, NVAR, QSPA, HLID, TXAR, MCK, COLA, PDAR, ILAR, MAW, YKA.

IDC 04 20:08:14.3:0.8, 35.26N, 0.05x4.08W, 0.04, h4km, n33, <math>\sigma\_{106}</math>62, Strait of Gibraltar

ATH 04 20:58:35.2, 38.45N-24.42E, h30km, ML2.8(ATH), After ATH

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WRA, AS12, ASAR, VNSA, NVAR, QSPA, HLID, TXAR, MCK, COLA, PDAR, ILAR, MAW, YKA.

IDC 04 20:08:15.1, 34.97N, 4.11W, h26km, MG3.5(MDD), After MDD

ATH 04 20:58:35.2, 38.45N-24.42E, h30km, ML2.8(ATH), After ATH

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WRA, AS12, ASAR, VNSA, NVAR, QSPA, HLID, TXAR, MCK, COLA, PDAR, ILAR, MAW, YKA.

IDC 04 20:08:15.1, 34.97N, 4.11W, h26km, MG3.5(MDD), After MDD

ATH 04 20:58:35.2, 38.45N-24.42E, h30km, ML2.8(ATH), After ATH

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WRA, AS12, ASAR, VNSA, NVAR, QSPA, HLID, TXAR, MCK, COLA, PDAR, ILAR, MAW, YKA.

IDC 04 20:08:15.1, 34.97N, 4.11W, h26km, MG3.5(MDD), After MDD

ATH 04 20:58:35.2, 38.45N-24.42E, h30km, ML2.8(ATH), After ATH

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WRA, AS12, ASAR, VNSA, NVAR, QSPA, HLID, TXAR, MCK, COLA, PDAR, ILAR, MAW, YKA.

IDC 04 20:08:15.1, 34.97N, 4.11W, h26km, MG3.5(MDD), After MDD

ATH 04 20:58:35.2, 38.45N-24.42E, h30km, ML2.8(ATH), After ATH

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WRA, AS12, ASAR, VNSA, NVAR, QSPA, HLID, TXAR, MCK, COLA, PDAR, ILAR, MAW, YKA.

IDC 04 20:08:15.1, 34.97N, 4.11W, h26km, MG3.5(MDD), After MDD

ATH 04 20:58:35.2, 38.45N-24.42E, h30km, ML2.8(ATH), After ATH

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WRA, AS12, ASAR, VNSA, NVAR, QSPA, HLID, TXAR, MCK, COLA, PDAR, ILAR, MAW, YKA.

IDC 04 20:08:15.1, 34.97N, 4.11W, h26km, MG3.5(MDD), After MDD

ATH 04 20:58:35.2, 38.45N-24.42E, h30km, ML2.8(ATH), After ATH

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WRA, AS12, ASAR, VNSA, NVAR, QSPA, HLID, TXAR, MCK, COLA, PDAR, ILAR, MAW, YKA.

IDC 04 20:08:15.1, 34.97N, 4.11W, h26km, MG3.5(MDD), After MDD

ATH 04 20:58:35.2, 38.45N-24.42E, h30km, ML2.8(ATH), After ATH

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WRA, AS12, ASAR, VNSA, NVAR, QSPA, HLID, TXAR, MCK, COLA, PDAR, ILAR, MAW, YKA.

IDC 04 20:08:15.1, 34.97N, 4.11W, h26km, MG3.5(MDD), After MDD

ATH 04 20:58:35.2, 38.45N-24.42E, h30km, ML2.8(ATH), After ATH

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WRA, AS12, ASAR, VNSA, NVAR, QSPA, HLID, TXAR, MCK, COLA, PDAR, ILAR, MAW, YKA.

IDC 04 20:08:15.1, 34.97N, 4.11W, h26km, MG3.5(MDD), After MDD

ATH 04 20:58:35.2, 38.45N-24.42E, h30km, ML2.8(ATH), After ATH

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WRA, AS12, ASAR, VNSA, NVAR, QSPA, HLID, TXAR, MCK, COLA, PDAR, ILAR, MAW, YKA.

IDC 04 20:08:15.1, 34.97N, 4.11W, h26km, MG3.5(MDD), After MDD

ATH 04 20:58:35.2, 38.45N-24.42E, h30km, ML2.8(ATH), After ATH

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WRA, AS12, ASAR, VNSA, NVAR, QSPA, HLID, TXAR, MCK, COLA, PDAR, ILAR, MAW, YKA.

IDC 04 20:08:15.1, 34.97N, 4.11W, h26km, MG3.5(MDD), After MDD

ATH 04 20:58:35.2, 38.45N-24.42E, h30km, ML2.8(ATH), After ATH

Large table listing stations like LPAZ, BDFB, YKA, MKAR, MPAR, PTL, ATH, NSAL, AOS, NAIG, LKR, NEK, XOR, AGG, PAIG, LOS, LIA, OUR, LIT, SERR, KNT, KNT, ALN, TWC, TWC, ENA, ILA, ILA, TWE, ENTT, ENTT, TWD, TWD, TWB, WGB, NSK, NSK, NWF, NWF, NWP, NWP, TAP, TAP, TAP, TWT, TWT, ESL, ENA, TWS1, YOJ, TSWY, TSWY, NSTT, WDT, WDT, TWQ1, NSY, SMLT, SMLT, PCYT, PCYT, YUCH, YUCH, TCU, TCU, TWF1, TWF1, WNT, YUS, ALS, CHKT, CHNK, CHNS, IRIF, ELDTW, HATJ, CHN4, STYT, WTP, JKRS, JKRS, TWC, TWC, ECL, SSD, EAST, EAST.

NEIC 04 21:01:40.4, 24.46N, 121.90E, h11km, ML3.1

JMA 04 21:01:40.8:0.2, 24.67N, 122.00E, h50km, M2.6

IDC 04 21:03:39.6:0.5, 24.45N, 0.02x122.03E, 0.02, h3km, 4km, n45, <math>\sigma\_{106}</math>69, 2C-3D, Taiwan region

IDC 04 19:09:09.5:2.1, 10.43N, 86.33W, h1km, 7km, MD4.0, 8C-3D, Off coast of Costa Rica

IDC 04 19:09:14.6:2.0, 1.41N, 98.75E, mb3.9/4, mb1 4.0/5, mb1mx3.7/14, ML3.5/1, MS3.3/1, MS1 3.5/1, ms1mx3.0/19, Error ellipse: s-maj=99.2km s-min=26.8km az=53.0

NEIC 04 19:09:15.6:0.9, 1.41N, 98.94E, h10km, mb4.0/1, Error ellipse: s-maj=19.2km s-min=15.9km az=211.0

DJA 04 19:09:22.3, 1.82N, 99.04E, h33km, MB3.9, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0

IDC 04 19:09:20.6:1.2, 1.6N, 0.1x99.18E, 0.08, h55km, 11km, n12, <math>\sigma\_{126}</math>12, mb3.9/5, 2D, Northern Sumatra

IDC 04 20:36:06.9:2.7, 22.78S, 68.95W, mb3.8/2, mb1 3.8/3, mb1mx3.6/13, ML3.0/1, Error ellipse: s-maj=66.6km s-min=48.2km az=15.0

NEIC 04 20:36:28.3:0.9, 21.49S, 68.33W, h133km, 11km, Error ellipse: s-maj=26.5km s-min=17.0km az=101.0

IDC 04 20:36:27.4:1.0, 21.85S, 0.1x68.3W, 0.2, h141km, 16km, n6, <math>\sigma\_{53}</math>6, mb3.5/1, 1C, Chile-Bolivia border region

IDC 04 19:23:53.9, 23.94N, 122.35E, h17km, 1km, ML3.2

JMA 04 19:23:54.8:0.5, 24.00N, 122.45E, h16km, M2.6

NEIC 04 21:15:27.6, 35.24N, 3.97W, MG3.4(MDD), After MDD

MDD 04 21:15:29.5:0.2, 35.22N, 3.97W, mb3.5/6, Error ellipse: s-maj=2.1km s-min=1.8km az=177.0, PRXIMO

ATH 04 20:58:35.2, 38.45N-24.42E, h30km, ML2.8(ATH), After ATH

ATH 04 20:58:35.2, 38.45N-24.42E, h30km, ML2.8(ATH), After ATH

NEIC 04 21:15:27.6, 35.24N, 3.97W, MG3.4(MDD), After MDD

MDD 04 21:15:29.5:0.2, 35.22N, 3.97W, mb3.5/6, Error ellipse: s-maj=2.1km s-min=1.8km az=177.0, PRXIMO

ATH 04 20:58:35.2, 38.45N-24.42E, h30km, ML2.8(ATH), After ATH

ATH 04 20:58:35.2, 38.45N-24.42E, h30km, ML2.8(ATH), After ATH

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like EJIF Jimena Fronter, EBRON Agron, ERON Agron, etc.

ISC 04 21:31:40.6, 1.2, 34, 10N-89.22E, mb3.6/4, mb1 3.7/6, mb1 mx3.5/16, ML2.5/11, MS2.7/2, Ms1 2.8/2, ms1 mx2.6/25, Error ellipse: s-maj=137.0km s-min=22.5km az=52.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like LSA Lhasa, KKN Kakani, PKI Pulchoki, etc.

NEIC 04 23:09:30.3-0.5, 42.15N-120.04W, h5km, ML3.5, Error ellipse: s-maj=7.6km s-min=6.1km az=129.0, Oregon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like MOD Modoc, WVOR Wild Horse Val, YBH Yreka Blue Hor.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like YBH Hull Mountain, HUMO Hull Mountain, WDC Beckwouth Da, etc.

TIR 04 23:12:40.6, 40.51N-20.07E, h4km, ATH 04 23:12:48.8, 39.96N-20.08E, h10km, MD3.0/3, ISC 04 23:12:41.7, 40.6, 40.48N-20.06E-0.07, h4km, n11, e153/18, Greece-Albania border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like TPE Tepelena, VLO Vlora, LSK Leskovik, etc.

ISK 04 23:31:36.2, 37.77N-27.53E, h5km, MD3.4, NEIC 04 23:31:39.0, 37.84N-27.57E, h18km, MD3.2(ATH), After ATH, ATH 04 23:31:41.1, 37.67N-27.08E, h35km, MD3.2/3, ISC 04 23:31:38.0-0.4, 37.80N-0.02-27.61E-0.03, h5km, n24, e123/22, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like AYDN Tasoluk, MLBS Milas, SMG Samos, etc.

ISC 04 23:45:13.1-1.9, 37.38S-78.03E, mb4.1/6, mb1 4.2/6, mb1 mx4.1/8, MS3.9/8, Ms1 3.9/8, ms1 mx3.7/11, Error ellipse: s-maj=69.2km s-min=26.5km az=26.0, NEIC 04 23:45:15.8-0.7, 37.04S-78.12E, h10km, mb4.4/5, MS4.2/1, Error ellipse: s-maj=25.5km s-min=16.3km az=183.0, BUJ 04 23:45:15.7, 36.80S-78.47E, h17km, mb4.5, ISC 04 23:45:14.0-0.6, 37.05S-0.1-78.2E-0.1, h10km, n25, e097/20, mb4.5/15, MS4.0/3, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like MAW Mawson, FITZ Fitzroy Crossi, LBTB Lobatse, etc.

s-min=16.9km az=65.0, ISC 04 23:53:46.1-2.7, 6.75S-0.2-127.6E-0.4, h35km, mb3.1km, n7, e150/9, mb3.2/1, Banda Sea

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

IDC 05 00:36:45.8-2.5, 15.91S-173.64W, mb3.9/5, mb1 4.2/5, mb1 mx3.9/14, Error ellipse: s-maj=201.0km s-min=25.2km az=148.0, Tonga 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.

ROM 05 00:51:25.7-0.3, 43.58N-15.50E, h10km, MD3.3/17, ML2.5/13, Error ellipse: s-maj=2.4km s-min=2.0km az=90.0, PDG 05 00:51:26.6-0.5, 43.57N-15.35E, h22km, 2km, NEIC 05 00:51:27.5, 43.56N-15.43E, h10km, MD3.3(ROM), MD3.2(PDG), ML3.2(LDG), ML3.1(FUR), After LDG, LDG 05 00:51:27.5-0.3, 43.56N-15.43E, h10km, ML3.2/12, Error ellipse: s-maj=6.6km s-min=4.2km az=63.0, ISC 05 00:51:24.9-0.2, 43.60N-0.02-15.33E-0.02, h10km, n87, e128/142, 14C-3D, Adriatic Sea

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

Table with columns: SOTA, Sankt Quirin, 4.64 323, Pn, Pn, 05 52 37.9 +1.2, etc.

WEL 05 00:55:55.0±0.2, 38.565°x175.87E, h116km±2km, ML3.6/5, 4C, Error ellipse: s-maj=1.9km s-min=1.4km az=0.0,

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

NIED 05 01:05:00, 23.90N, 126.30E, h14km, Mw3.8 Best double couple: Mo=5.27x10^14 NP1=254°, δ72°, λ-53°, NP2=5°, δ47°, λ-152°

JMA 05 01:05:46.2±0.2, 23.89N, 126.25E, h116km, M3.7, IDC 05 01:05:48.1±0.9, 23.66N, 126.68E, h38km±3km, mb3.5/6, mb1 3.8/7, mb1mx3.6/19, ML3.7/1, Error ellipse: s-maj=37.3km s-min=16.2km az=84.0

ISC 05 01:05:45.2±0.7, 23.74N, 126.14E, 0.0, h39km, h39km±2.0km, pP-P, n22, c135/34, mb3.7/6, Southeast of Ryukyu Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

Table with columns: WRA, ASAR, ASAR, ASAR, BVAR, INK, YKA, YKA, etc.

NEIC 05 01:44:25.9±2.5, 36.49N, 7.64E, h10km, Error ellipse: s-maj=29.5km s-min=6.4km az=141.0, LDG 05 01:44:28.7±0.4, 36.51N, 7.64E, h10km, M13.3/12, Error ellipse: s-maj=7.9km s-min=7.3km az=109.0, MDD 05 01:44:24.4±1.1, 36.34N, 7.68E, h4km±5km, mb4.1/29, 4C, Error ellipse: s-maj=13.7km s-min=7.4km az=121.0, PRXIMO, Northern Algeria

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

GUC 05 02:23:57.7±0.7, 31.62S, 69.62W, h146km±7km, MD3.7, ML4.2, NEIC 05 02:23:57.7, 31.62S, 69.62W, h146km, mb4.1/1, MD3.7(GUC), After GUC, SYO 05 02:23:57.7, 31.62S, 69.62W, h146km, MB4.1, ISC 05 02:23:56.8±0.6, 31.59S, 69.60W, 0.03, 69.41W, 0.08, h134km±8km, n27, c070/46, 12C-13D, San Juan Province

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

Table with columns: ESPR, ELAN, EARI, ECAL, ERUA, EINC, EMAZ, etc.

IDC 05 02:17:00.1±1.5, 3.28N, 95.73E, mb4.0/6, mb1 4.1/7, mb1mx3.9/15, ML3.9/1, Error ellipse: s-maj=74.7km s-min=26.2km az=52.0, ISC 05 02:17:09.2±5.5, 3.5N, 95.9E, 0.4, h81km±48km, n15, c079/15, mb4.3/11, Off west coast of northern Sumatara

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

GUC 05 02:23:57.7±0.7, 31.62S, 69.62W, h146km±7km, MD3.7, ML4.2, NEIC 05 02:23:57.7, 31.62S, 69.62W, h146km, mb4.1/1, MD3.7(GUC), After GUC, SYO 05 02:23:57.7, 31.62S, 69.62W, h146km, MB4.1, ISC 05 02:23:56.8±0.6, 31.59S, 69.60W, 0.03, 69.41W, 0.08, h134km±8km, n27, c070/46, 12C-13D, San Juan Province

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

IDC 05 02:32:30.4±10.0, 54.56S, 132.93W, mb4.0/2, mb1 4.2/2, mb1mx3.8/13, MS3.7/2, Ms1 3.7/2, ms1mx3.4/12, Error ellipse: s-maj=782.0km s-min=68.3km az=147.0, Pacific-Antarctic Ridge

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.



Table with columns: RDO, Rodhopi, 0.90 354 ePB, Pb, 03 10 05.5 +0.1, etc.

MDD 05 03:18:03.4:0.3, 42.85N-1.41W, mbLg1.8/11, Error ellipse: s-maj=2.2km s-min=1.7km az=50.0, PRXIMO

NEIC 05 03:18:04.9:0.6, 42.81N-1.33W, h5km, ML2.5(LDG), ML2.3(STR), MN1.8(MDD), After LDG.

LDG 05 03:18:04.9:0.6, 42.80N-1.33W, h5km, Md2.6/2, Ml2.5/9, Error ellipse: s-maj=12.1km s-min=8.1km az=126.0

ISC 05 03:18:02.1:0.4, 42.84N-0.02-1.39W, 0.03, h12km, 3km, n44, r1921/61, Pyrenees

Main station list table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

IDC 05 03:33:10.7:1.0, 54.34N-35.10W, mb3.7/7, mb1.3/8/7, mb1mx3.6/19, Error ellipse: s-maj=30.3km s-min=22.7km az=10.0

NEIC 05 03:33:12.2:0.7, 54.36N-35.10W, h10km, Error ellipse: s-maj=20.9km s-min=15.2km az=188.0

ISC 05 03:33:10.5:0.9, 54.4AN-0.2-35.1W, 0.2, h10km, n9, r05/75/8, mb3.7/7, Reykjanes Ridge

Continuation of station list table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: ILAR, Eielson Array, 50.23 329 P, P, 03 42 09.1 +1.1, etc.

NEIC 05 03:43:53.7, 68.08N-160.52W, h10km, ML3.8(AEIC), After AEIC

IDC 05 03:43:53.9:1.0, 68.29N-160.74W, mb3.9/10, mb1.4/0.1/4, mb1mx3.9/22, ML3.9/4, Error ellipse: s-maj=34.3km s-min=13.1km az=38.0

ISC 05 03:43:55.2:2.8, 68.07N-0.07-160.3W, 0.1, h33km, 24km, n36, r1900/38, mb3.9/10, Northern Alaska

Main station list table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

NEIC 05 04:02:00, 30.00N-131.30E, h26km, Mw4.5 Best double couple: M5.95x10^15 NP1:pa19, d64, l77, NP2:pa227, d29, l115

JMA 05 04:02:37.9:0.2, 30.00N-131.29E, h29km, 2km, M3.7

NEIC 05 04:02:41.7:1.1, 30.11N-130.97E, h45km, 10km, M3.7 ellipse: s-maj=16.9km s-min=9.4km az=38.0

IDC 04:02:41.2:2.1, 30.09N-130.96E, h40km, 7km, mb3.7/10, mb1.3/8/12, mb1mx3.7/22, ML3.2/2, MS3.7/8, M1.3/7.8, ms1mx3.5/23, Error ellipse: s-maj=25.6km s-min=9.1km az=105.0

BUI 05 04:02:42.6, 30.10N-131.00E, h44km, mb4.7, mb4.4, Ms4.2, Ms4.1

ISC 05 04:02:38.8:0.9, 30.01N-0.04-131.26E, 0.08, h43km, 7km, n35, r098/40, mb3.9/12, MS3.9/6, Kyushu

Main station list table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: BVAR, Borovoye Array, 49.34 316 P, P, 04 11 24.3 -1.2, etc.

comp=Z, 0.3nm, 0.7s, baz=90, slow=5.8, SNR=3.4

comp=Z, 1.9nm, 0.6s, mb4.3, baz=94, slow=9.9, SNR=5.3

comp=Z, 2.8nm, 19.4s, MS3.8, baz=325, slow=39

comp=Z, 0.5nm, 0.7s, mb3.5, baz=5.2, slow=10.0, SNR=3.2

comp=Z, 3.1nm, 1.1s, mb4.3, baz=54, slow=10, SNR=7.8

comp=Z, 0.1nm, 20.8s, MS4.0, baz=32, slow=41

comp=Z, 0.6nm, 0.4s, mb4.0

comp=Z, 1.2nm, 0.5s, mb4.1, baz=73, slow=5.8, SNR=20

comp=Z, 2.7nm, 18.6s, MS4.0, baz=331, slow=39

comp=Z, 0.4nm, 0.8s, mb3.4, baz=301, slow=5.9, SNR=9.7

comp=Z, 0.6nm, 0.5s, mb3.8, baz=48, slow=5.6

comp=Z, 0.6nm, 0.5s, mb3.8, baz=59, slow=5.4, SNR=2.9

comp=Z, 1.1nm, 1.1s, mb4.1, baz=45, slow=2.1, SNR=4.8

NEIC 05 04:13:46.5:0.7, 28.52S-71.31W, h39km, MD4.0(GUC), After GUC

GUC 05 04:13:46.5:0.7, 28.52S-71.31W, h39km, 4km, MD4.0, ML3.7, 1C-2D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

NEIC 05 04:26:53.4:1.7, 17.85S-178.68W, h566km, 20km, mb4.3/16, Error ellipse: s-maj=14.4km s-min=8.0km az=148.0

BUI 05 04:26:53.3, 17.80S-178.70W, h566km, mb4.4, mb4.6

IDC 05 04:26:56.1, 17.83S-178.73W, h598km, 26km, mb3.9/15, mb1.4/1.15, mb1mx4.1/17, Error ellipse: s-maj=22.3km s-min=9.4km az=150.0

ISC 05 04:26:55.3:2.4, 17.85S-0.1x-178.79W-0.08, h600km, 31km, n140, r0675/66, mb4.3/31, 8C-3D, Fiji Islands region

Main station list table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC



Table of seismic events with columns for station name, magnitude, time, and location. Includes stations like ANMO, MCMT, DAWY, CHMT, etc.

ICD 05 04:30:06.4-0.8, 16.81N-122.76E, mb4.2/11, mb1 4.4/12, mb1 mx4.3/18, ML4.8/1, MS3.2/2, Ms1 3.4/2, ms1 mx2.9/21, Error ellipse: s-maj=23.9km s-min=13.2km az=95.0

Table of seismic events with columns for station name, magnitude, time, and location. Includes stations like PALP, CAUP, CVP, etc.

Table of seismic events with columns for station name, magnitude, time, and location. Includes stations like BOLF, GGP, LQP, etc.

BER 05 04:49:32.7-3.3, 67.80N-20.11E, ML1.6, Suspected explosion

Table of seismic events with columns for station name, magnitude, time, and location. Includes stations like KIF, KXJ, KTK1, etc.

CASC 05 04:58:25.7-1.7, 13.86N-91.09W, h56km, 26km, MD3.5, ML3.5, 2D, Near coast of Guatemala

Table of seismic events with columns for station name, magnitude, time, and location. Includes stations like TER, XG, XGJ, etc.

NEIC 05 05:11:19.25, 49.28N, 1.43E, MD2.2(BER), After BER. BER 05 05:11:25.4-4.6, 59.19N-2.23E, h0km, 61km, MD2.2, ML1.5

Table of seismic events with columns for station name, magnitude, time, and location. Includes stations like KMY, KGD, ESK, etc.

Table of seismic events with columns for station name, magnitude, time, and location. Includes stations like LRW, ODDA, YELI, etc.

ICD 05 05:32:18.7-3.2, 16.97S-178.86W, mb4.1/4, mb1 4.3/4, mb1 mx3.9/13, Error ellipse: s-maj=162.0km s-min=37.3km az=143.0

ISC 05 05:32:18.2-3.1, 16.7S-1.0-179.2W, 0.8, h33km, n6, 0504/6, mb4.0/4, Fiji Islands region

Table of seismic events with columns for station name, magnitude, time, and location. Includes stations like STKA, STKA, WRA, etc.

NEIC 05 05:33:57.8, 42.81N, 1.38W, h2km, ML2.5(LDG), ML2.3(STR), MN1.9(MDD), After LDG.

ICD 05 05:33:57.5-0.3, 42.88N, 1.42W, mbLg 1.9/12, Error ellipse: s-maj=2.4km s-min=2.0km az=18.0, PRXIMO

ISC 05 05:33:55.7-0.5, 42.83N-1.02-1.40W, 0.03, h7km, 4km, n33, 0509/46, 1C, Pyrenees

Table of seismic events with columns for station name, magnitude, time, and location. Includes stations like LARF, EALK, EALK, etc.

ELAN 5.8m, 0.3s, SNR=12 1.54 286 Pg Pg 05 34 25.2 -1.3

ELAN Lanostosa 1.54 286 Pg Pg 05 34 25.2 -1.3

ELAN Melles 1.59 88 Pg Pg 05 34 48.6

ELAN Salau 1.91 91 Pg Pg 05 34 59.3

ELAN Torote 2.06 194 Pn Pn 05 34 34.5 +3.3

ERTA Horta de San J 2.27 145 Pg Pg 05 34 39.7 -1.3

ERTA Horta de San J 2.27 145 Pg Pg 05 34 39.7 -1.3

ERTA Horta de San J 2.27 145 Pg Pg 05 34 39.7 -1.3

ERTA Horta de San J 2.27 145 Pg Pg 05 34 39.7 -1.3

ERTA Horta de San J 2.27 145 Pg Pg 05 34 39.7 -1.3

ERTA Horta de San J 2.27 145 Pg Pg 05 34 39.7 -1.3

ERTA Horta de San J 2.27 145 Pg Pg 05 34 39.7 -1.3

ERTA Horta de San J 2.27 145 Pg Pg 05 34 39.7 -1.3

ERTA Horta de San J 2.27 145 Pg Pg 05 34 39.7 -1.3

ERTA Horta de San J 2.27 145 Pg Pg 05 34 39.7 -1.3

Table of seismic events with columns for station name, magnitude, time, and location. Includes stations like NVLJ, ARV, ARV, etc.











YSS	comp=E,800nm,16.0s,MS5.3	MLR	MLR						
YSS	Yuzh-Sakhalins 79.70 332	eP	P	09 09 07.9 +0.6					
YSS	comp=E,69nm,1.0s,mb5.5	LR	LR						
ISA	comp=Z,1.1um,21.0s,MS5.3	LR	LR						
ISA	Isabella 79.83 44	eP	P	09 09 07.3 -0.9					
ISA	comp=Z,20nm,1.4s,mb4.8	LR	LR						
PFO	comp=Z,478nm,19.0s,MS4.9	LR	LR						
PFO	Pinyon Flat Ob 79.89 47	PFAKE	P	09 09 20.0 +1.1					
OZH	comp=Z,4.4um,19.0s,MS5.8	LR	LR						
OZH	Quanzhou 80.08 303	iP	P	09 09 09.9 +0.2					
OZH	comp=Z,1.1nm,1.0s,mb4.8	LR	LR						
OZH	comp=N,3um,22.2s,MS5.7	LR	LR						
OZH	comp=E,3um,18.0s,MS5.7	LR	LR						
CMB	comp=Z,3um,25.2s	LR	LR						
CMB	Columbia Colle 80.15 41	eP	P	09 09 08.8 -1.1					
CMB	comp=Z,11nm,1.0s,mb4.8	LR	LR						
USHA	comp=Z,2um,19.0s,MS5.5	P	P						
USHA	Ushuaia 80.26 146	eP	P	09 09 10.4 +0.3					
WDC	comp=Z,5.4nm,0.8s,mb4.5,baz=238,slow=12,SNR=4.4	PFAKE	P	09 09 20.0 +8.0					
WDC	Whiskeytown Da 80.57 38	PFAKE	P	09 09 20.0 +8.0					
GLA	comp=Z,3um,19.0s,MS5.6	LR	LR						
GLA	Glamis 80.66 48	eP	P	09 09 12.3 -0.3					
MTJM	comp=Z,1.1nm,1.0s,mb4.8	eP	P	09 09 13.3 -0.2					
MTJM	Tungsten Hills 81.25 37	P	P	09 09 14.9 -0.7					
YBH	comp=Z,5.3nm,0.8s,mb4.5,baz=66,slow=3.1,SNR=11	P	P	09 09 14.9 -0.7					
YBH	Yreka Blue Hor 81.25 37	P	P	09 09 14.9 -0.7					
YBH	comp=Z,2um,20.0s,MS5.5	LR	LR						
WCN	Washoe City 81.34 40	eP	P	09 09 16.3 +0.2					
WCN	comp=Z,1.1nm,1.0s,mb4.7	LR	LR						
WCN	Washoe City 81.34 40	eP	P	09 09 16.3 +0.2					
SSE	comp=Z,1.1nm,1.0s,mb4.8	LR	LR						
SSE	Sheshan 81.47 309	P	P	09 09 18.6 +1.7					
SSE	comp=Z,2um,20.0s,MS5.5	LR	LR						
SSE	AP	pP	P	09 09 28.2 +4.2					
SSE	XP	pP	P	09 09 31.3 +5.0					
SSE	S	S	S	09 19 27.4 +1.7					
SSE	XS	S	S	09 19 27.4 +1.7					
SSE	AMB	AMB	AMB	09 19 27.4 +1.7					
SSE	AMB	AMB	AMB	09 19 27.4 +1.7					
INCR	comp=Z,436nm,12.5s	PFAKE	P	09 09 30.0 +1.3					
INCR	Inchon 81.57 317	PFAKE	P	09 09 30.0 +1.3					
LDFC	comp=Z,1.1um,20.0s,MS5.2	LR	LR						
LDFC	Landfair 81.66 46	eP	P	09 09 18.5 +0.6					
NVAR	comp=Z,1.1nm,1.0s,mb4.8	eP	P	09 09 17.5 -0.3					
NVAR	Minna Array Bea 81.67 42	P	P	09 09 17.5 -0.3					
NVAR	comp=Z,1.1nm,1.0s,mb4.8,baz=218,slow=6.9,SNR=30	LR	LR	09 41 40.7					
NVAR	comp=Z,1.1um,18.7s,MS5.3,baz=115,slow=33	P	P	09 09 17.7 -0.2					
HUMO	Hull Mountain 81.70 36	eP	P	09 09 19.0 -1.2					
VLA	comp=Z,1.1um,10.0s	LR	LR						
VLA	comp=Z,1.1um,10.0s	LR	LR						
VLA	comp=Z,1.1um,10.0s	LR	LR						
VLA	comp=Z,1.1um,10.0s	LR	LR						
VLA	comp=E,500nm,8.0s	LR	LR						
VLA	comp=E,1um,8.0s	LR	LR						
NEN	Nelson 82.17 46	eP	P	09 09 19.9 -0.6					
MOD	Modoc 82.71 38	eP	P	09 09 22.7 -0.5					
MOD	comp=E,10nm,1.0s,mb4.8	LR	LR						
MOD	comp=Z,2um,20.0s,MS5.5	LR	LR						
KGM	Kuang 82.78 275	iP	P	09 09 26.3 +2.2					
TUC	comp=Z,1.11nm,1.0s,mb5.8	LR	LR						
TUC	Tucson 83.05 50	eP	P	09 09 24.9 -0.1					
TUC	comp=Z,8.4nm,1.2s,mb4.7	LR	LR						
COCO	comp=Z,3um,19.0s,MS5.7	LR	LR						
COCO	West Island 83.17 260	PFAKE	P	09 09 40.0 +1.4					
KDAK	comp=Z,2um,20.0s,MS5.4	LR	LR						
KDAK	Kodiak Island 83.28 12	PFAKE	P	09 09 40.0 +1.4					
GZH	comp=Z,4um,22.0s,MS5.8	P	P	09 09 27.0 +0.5					
GZH	Guangzhou 83.28 299	P	P	09 09 27.0 +0.5					
GZH	comp=N,460nm,19.2s,MS5.1	LR	LR						
GZH	comp=E,594nm,20.8s,MS5.1	LR	LR						
NJ2	Nanjing 83.66 309	iP	P	09 09 30.6 +2.3					
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +0.6					
NJ2	comp=Z,1.1um,19.0s,MS5.4	LR	LR						
NJ2	Boisfort Moun 84.20 33	eP	P	09 09 31.2 +					





FITZ	Fitzroy Crossi	54.89 264	LR	LR	09 37 53.4
comp=Z,312nm,20.8s,baz=347,slow=33					
TXAR	Lajitas Array	86.86 56	P	P	09 20 07.0 -1.7
0.4nm,0.8s,baz=196,slow=1,SNR=3.4					
CMAR	Chiang Mai Arr	93.24 229	P	P	09 20 39.2 +0.5
2.5nm,1.1s,baz=151,slow=3,SNR=7.6					

**NIED 05:09:20.02, 42.00N, 142.60E, h8km, Mw4.0** Best double  
 couple: M=1.07x10<sup>15</sup> NP1<sub>84°</sub>, 652°, 160°. NP2<sub>60°307°</sub>,  
 647°, 123°.

**JMA 05:09:20:07.7-0.2, 42.00N, 142.64E, h24km, Mw3.6**  
 JMA Fell 1 J1

**MOS 05:09:20:07.7-1.1, 42.05N, 142.52E, h33km, mb4.0/1, Error**  
 ellipse: s-maj=19.9km s-min=11.9km az=75.7

**IDC 05:09:20:09.6-7.7, 41.93N, 142.51E, h31km, mb3.8/16,**  
 mb1 4.0/17, mb1mx3.9/23, ML3.7/1, MS4.7/1, Ms1 4.7/1,  
 ms1mx3.2/30, Error ellipse: s-maj=19.1km s-min=16.2km  
 az=134.0

**NEIC 05:09:20:12.2-1.1, 41.96N, 142.49E, h55km, 16km, Error**  
 ellipse: s-maj=12.5km s-min=10.7km az=209.0

**ISC 05:09:20:0.0-0.8, 41.95N, 142.61E, 0.05, h25km, 5km,**  
 n39, c091/44, mb3.9/16, MS4.7/1, 4C-4D, Hokkaido

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				h m s	ISC
JNBK	Urakawa-nobuka	0.35 18	Op P	09 20 14.0 -0.8	
JNBK	JNBK		eS	09 20 19.7 -0.4	
JEM	Eriramo	0.42 80	Op P	09 20 15.8 0.0	
JBT2	Biratori 2	0.85 348	Op P	09 20 22.4 -0.6	
JCH	Churui	0.87 40	Op P	09 20 22.9 -0.5	
JCH	JCH		eS	09 20 35.4 +0.7	
JKB	Kayabe	1.18 268	Op P	09 20 28.5 +0.4	
JKB	JKB		eS	09 20 44.2 +0.8	
JFR	Furan	1.22 360	Op P	09 20 28.6 -0.1	
JEW	Eniwo	1.24 317	Op P	09 20 29.9 +0.9	
JNB	Noboribetsu	1.28 295	Op P	09 20 29.7 +0.2	
JNB	JNB		eS	09 20 46.6 +0.6	
JOB	Onbets	1.32 43	Op P	09 20 30.5 +0.3	
ASAJ	Asahikawa	2.17 360	Op P	09 20 44.1 +1.8	
14nm,0.3s,baz=230,slow=8.5,SNR=63					
ASAJ	ASAJ		Sn	09 21 14.8 +6.1	
YUK	Yuzh-Kuril'sk	3.17 48	ePN	09 20 56.7 +0.1	
YUK	YUK		eS	09 21 36.0 +1.9	
YUK	YUK		pmx		
YUK	comp=Z,140nm,0.3s		pmx		
YUK	comp=N,190nm,0.4s		smx		
YUK	comp=N,2um,1.0s		smx		
YUK	comp=E,1.0nm,0.8s		smx		
YUK	comp=N,620nm,0.6s		smx		
YUK	comp=E,220nm,0.3s		smx		
MAJO	Matsushiro	6.38 214	ePN	09 21 43.6 +1.5	
MAT	Matsushiro	6.38 214	P	09 21 43.1 +1.0	
MAT	Matsushiro	6.38 214	P	09 21 43.0 +0.9	
SONM	Songino Array	6.38 214	P	09 25 40.9 0.0	
comp=E,0.6nm,0.5s,mb3.4,baz=84,slow=8.7,SNR=6.8					
TGY	Tagaytay City	33.50 220	LR	09 38 48.9	
comp=E,1.9m,14.8s,M54.7,baz=2,slow=34					
ZAL	Zalesov	39.00 208	P	09 27 36.8 0.0	
comp=E,0.9nm,0.4s,mb3.9,baz=267,slow=9.1,SNR=3.6					
MKAR	Makanchi Array	42.47 298	P	09 28 00.7 -0.7	
comp=E,1.0nm,0.9s,mb3.8,baz=83,slow=9.8,SNR=6.4					
MKAR	MKAR		PcP	09 29 53.2 -1.5	
MKAR	Makanchi Array	42.47 298	P	09 28 00.7 -0.7	
MKAR	MKAR		PcP	09 29 53.2 -1.5	
MKUR	Kurchatov	43.78 304	eP	09 28 11.0 -1.0	
ILAR	Eielson Array	44.90 35	P	09 28 20.7 -0.2	
comp=E,2.0nm,1.1s,mb3.9,baz=288,slow=5.6,SNR=17					
CHKZ	Chkalovo	47.74 310	eP	09 28 42.7 -0.8	
BVAR	Borovoye Array	48.06 309	P	09 28 45.7 -0.3	
comp=E,1.2nm,0.4s,mb4.3,baz=72,slow=7.8,SNR=9.5					
BVAR	BVAR		PcP	09 30 13.7 -0.3	
INK	Inuvik	49.62 29	P	09 28 57.3 -0.6	
comp=E,0.5nm,0.6s,baz=45,slow=2.0,SNR=2.7					
SVE	Sverdlowski	52.15 316	eP	09 29 13.1 -4.1	
HOMI	Homidli	53.39 319	P	09 29 13.1 -4.1	
YKA	Yellowknife Arr	59.19 32	P	09 30 06.6 -0.9	
YKA	Yellowknife Arr	59.19 32	P	09 30 06.6 -0.9	
YKA	Yellowknife Arr	59.19 32	P	09 30 06.6 -0.9	
ARCES	ARCCESS Array B	59.74 339	P	09 30 10.5 -1.1	
comp=E,2.0nm,1.5s,mb3.9,baz=288,slow=8.3,SNR=2.7					
WRA	Warramunga Arr	62.05 189	P	09 30 26.1 -1.8	
comp=E,0.7nm,0.4s,mb4.1,baz=6.4,slow=6.9,SNR=35					
FINES	FINES Array B	64.92 332	P	09 30 45.2 -0.9	
comp=E,1.2nm,0.5s,mb4.2,baz=56,slow=6.9,SNR=6.7					
ASAR	Alice Springs	65.17 189	P	09 30 51.8 -0.5	
comp=E,0.4nm,0.5s,mb3.7,baz=6.2,slow=7.4,SNR=11					
NB2	NORSAR Subarra	70.02 337	P	09 31 17.3 -0.8	
comp=E,1.1nm,0.7s,mb3.9,baz=335,slow=6.2					
NOA	NORSAR Array B	70.02 337	P	09 31 17.6 -0.5	
comp=E,2.0nm,0.8s,mb4.1,baz=6.6,slow=6.1,SNR=7.3					
NVAR	Mina Array Bea	71.36 55	P	09 31 28.1 +1.4	
comp=E,1.0nm,0.8s,mb3.8,baz=301,slow=4.8,SNR=8.4					
PDAR	Pinedale Array	73.61 47	P	09 31 40.6 +0.9	
comp=E,0.7nm,0.5s,mb3.7,baz=259,slow=2.7,SNR=6.8					
ULM	Lac du Bonnet	74.92 35	P	09 31 46.4 -0.8	
comp=E,0.7nm,0.5s,mb3.8,baz=288,slow=9.9,SNR=4.6					
ULM	Lac du Bonnet	74.92 35	P	09 31 46.4 -0.8	
TXAR	Lajitas Array	86.86 53	P	09 32 50.6 +1.9	
comp=E,0.7nm,0.6s,mb4.0,baz=291,slow=3.8,SNR=12					

**IDC 05:09:20:34.2-3.2, 64.47N, 150.34W, mb3.5/3, mb1 3.9/5,**  
 mb1mx3.6/18, ML3.3/2, Error ellipse: s-maj=57.8km  
 s-min=19.7km az=144.0

**NEIC 05:09:20:37.0, 64.19N, 149.83W, h10km, ML3.7(PMR),**  
 ML3.4(AEIC), After AEIC.

**NEIC Fell 1/11 at Fairbanks.**  
 ISC 05:09:36.4, 64.22N, 0.02, 149.94W, 0.07, h10km, 6km,  
 n54, c117/65, mb3.5/3, Central Alaska

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				h m s	ISC
BWN	Browne	0.21 103	P	09 20 43.0 +2.0	
NEA	Nenana	0.52 46	P	09 20 47.7 +0.8	
MCK	McKinley	0.66 137	P	09 20 48.5 -1.0	
MCK	MCK		S	09 20 59.4 +0.9	
MLY	Manley	0.88 337	P	09 20 54.5 +1.2	
MLY	MLY		S	09 21 06.6 +1.8	
RND	Reindeer	0.95 149	P	09 20 53.5 -0.9	
RND	RND		S	09 21 06.6 0.0	
MDM	Clear Creek Bu	1.02 64	P	09 21 02.5 +0.4	
MDM	Murphy Dome	1.05 44	P	09 20 56.7 +0.7	
MDM	MDM		S	09 21 12.1 +2.5	
COLA	College	1.12 53	P	09 20 58.1 +0.9	
COLA	COLA		S	09 21 14.8 +3.2	
HDA	Harding Lake	1.31 81	P	09 21 00.1 -0.6	
GLM	Gilmore Dome	1.34 54	P	09 21 00.8 -0.3	
GLM	GLM		S	09 21 18.9 +0.6	
ILAR	Eielson Array	1.43 66	Pg	09 21 01.6 -3.4	
34nm,0.3s,baz=244,slow=14,SNR=842					
ILAR	ILAR		Lg	09 21 23.5	
IL1	Eielson Array	1.43 66	P	09 21 02.0 -0.5	
DHY	Denali Highway	1.62 134	P	09 21 04.7 -0.5	
DHY	DHY		S	09 21 24.5 -1.8	
CUT	Chulitna	1.83 185	P	09 21 08.8 +0.7	
CUT	CUT		S	09 21 02.0 +0.5	
DDP	Donnelly Dome	1.85 102	P	09 21 07.5 -0.9	
PRM	Porcupine Dome	2.29 53	P	09 21 14.3 -0.5	
PAX	Paxson	2.36 120	P	09 21 15.9 +0.1	
IM3	Indian Mountai	2.39 319	P	09 21 16.0 -0.2	
IMA	Indian Mountai	2.44 321	P	09 21 15.8 -1.0	
GHO	Glory Hole Cre	2.50 169	P	09 21 19.8 -0.3	
SML	Sawmill	2.53 162	eP	09 21 16.8 -1.4	
PWA	Palmer West	2.58 179	P	09 21 17.8 -1.1	
PWA	PWA		S	09 21 53.7 +3.1	
DOT	Dot Lake	2.66 100	P	09 21 18.0 -2.0	
PMR	Palmer	2.67 172	P	09 21 19.8 -0.3	
SCM	Sheep Creek Mo	2.68 152	P	09 21 21.2 +0.9	
SCM	SCM		S	09 21 54.8 +1.8	
TOA	Tolsona	2.73 139	P	09 21 20.8 -0.2	
SUA	Susitna One	2.79 188	P	09 21 23.2 +1.3	

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				h m s	ISC
KNK	Knik Glacier	2.90 166	P	09 21 23.6 +0.1	
PMS	Palmer South	2.99 176	P	09 21 25.0 +0.0	
TT01	Tatalina	3.02 247	P	09 21 24.5 -0.7	
FYU	Fort Yukon	3.07 38	P	09 21 25.4 -0.5	
RC01	Rabbit Creek A	3.15 178	P	09 21 26.5 -0.4	
SPU	Mount Spurr	3.20 189	eP	09 21 26.2 -0.4	
KLU	Klutina	3.30 144	P	09 21 29.6 +0.5	
BKG	Blockade Glaci	3.34 200	P	09 21 29.2 -0.5	
WANC	Wrangell North	3.47 127	P	09 21 32.7 +1.1	
DIV	Divide	3.65 146	P	09 21 35.4 +1.3	
CB3	Beaver Creek A	3.82 104	P	09 21 33.9 -2.6	
EMW	Burrut Mountain	3.89 32	P	09 21 35.9 -1.6	
GLA	Gililina Butte	3.96 132	P	09 21 39.7 +1.2	
RSO	Redoubt South	3.99 200	P	09 21 40.3 +1.3	
SVW	Sparrevohn	4.08 223	P	09 21 41.5 +1.0	
BVIR	Bremner River	4.09 141	P	09 21 41.7 +1.3	
SEW	Sevenson	4.14 177	P	09 21 41.5 +0.4	
CMR	Cordova	4.17 150	P	09 21 40.8 -0.8	
ILW	Iliamna West	4.44 201	P	09 21 45.4 +0.1	
DAWY	Dawson	4.62 87	P	09 21 46.2 -1.7	
ANM	Nome	6.07 280	eP	09 22 14.6 -2.6	
INK	Inuvik	7.78 51	ePN	09 22 29.6 -2.7	
0.4nm,0.3s,baz=230,slow=16,SNR=5					
INK	INK		Sn	09 23 55.8 -5.5	
0.1nm,0.3s,baz=336,slow=19,SNR=2.8					
YKA	Yellowknife Arr	15.82 80	Pn	09 24 16.3 -3.9	
0.6nm,0.3s,baz=290,slow=15,SNR=6.8					
YKA	Yellowknife Arr	15.82 80	P	09 24 16.3 -4.0	
PDAR	Pinedale Array	31.38 114	P	09 26 59.5 +0.5	
0.7nm,1.0s,mb3.5,baz=355,slow=3.6,SNR=4.6					
NVAR	Mina Array Bea	31.89 129	P	09 27 03.5 -0.1	
0.4nm,0.5s,mb3.4,baz=326,slow=7.7,SNR=4.2					
TXAR	Lajitas Array	45.39 118	P	09 28 56.6 +0.2	
0.4nm,0.5s,mb3.5,baz=326,slow=6.2,SNR=6.2					

**INMG 05:09:49:07.4-1.3, 35.05N, 3.97W, h13km, 19km, ML2.6,**  
 Error ellipse: s-maj=16.5km s-min=6.0km az=164.0

**MDD 05:09:49:07.8-0.5, 35.09N, 3.99W, mb3.8/18, Error ellipse:**  
 s-maj=5.44km s-min=3.9km az=5.0, PRXIMO

**After SHOCKPLICA**  
 NEIC 05:09:49:08.0, 35.07N, 3.96W, M3.8(MDD), After MDD.  
 ISC 05:09:49:08.0-0.4, 35.12N, 0.03, 4.01W, 0.03, h10km, n65,  
 c124/119, Strait of Gibraltar

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				h m s	ISC
EMEL	Meiella	0.88 78	Op P	09 49 22.8 -0.9	
EMEL	EMEL		S	09 49 36.6 +0.9	
MELI	Melilla	1.0m,0.2s	P	09 49 23.8 -0.2	
ELIJ	Jimena Fronter	1.78 319	P	09 49 37.7 +1.8	
ELIJ	ELIJ		S	09 50 02.6 +1.8	
ELIJ	Jimena Fronter	1.78 319	P	09 49 39.7 +1.8	



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

IDC 05 11:20:25.9,2.4, 6.07N,127.52E,mb3.6/4,mb1 3.7/4, mb1mx3.5/16, Error ellipse: s-maj=187.0km s-min=25.5km az=65.0, Philippine Islands region

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

NEIC 05 10:43:39.9,0.4, 52.32N,170.88W,ML4.1(AEIC), Error ellipse: s-maj=14.9km s-min=3.4km az=162.0

IDC 05 10:43:39.0,1.3, 52.55N,171.16W, h56km,7km,mb3.3/7, mb1 3.6/9, mb1mx3.4/24, Error ellipse: s-maj=32.5km s-min=22.1km az=161.0

ISC 05 10:43:38.4,0.6, 52.11N,0.1x170.85W,0.8h,55km,n40, e111/48,mb3.4/7, Fox Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NIKO Nikolski, ATKA Atka Island, MGOD Makushin Gods, etc.

ILAR Eielson Array 17.66 3.9 P 10 47 37.4 -4.3

DLBC Dease Lake 23.78 5.9 P 10 48 46.9 +0.7

DLBC 1.5nm,0.7s,baz=237,slow=8.3,SNR=2.1 P 10 48 59.9

DLBC 1.6nm,0.6s,baz=235,slow=14,SNR=1.8 P 10 49 06.7

INK Inuvik 24.04 3.4 P 10 48 45.9 -2.7

INK 0.5nm,0.5s,mb3.2,baz=172,slow=12,SNR=11 P 10 48 59.0

INK 5.1nm,1.4s,baz=258,slow=6.2,SNR=2.9 P 10 48 45.9 -2.7

INK Yellowknife Ar 31.08 4.8 P 10 49 48.9 -3.2

YKA Yellowknife Ar 31.08 4.8 P 10 49 48.9 -3.2

PDAR Pinedale Array 41.34 7.8 P 10 51 20.1 0.0

PDAR 0.6nm,0.8s,baz=305,slow=5.0,SNR=4.4 P 10 51 35.1 +0.7

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YBH Yreka Blue Hor, BUOR Burton Butte, COF Corvallis, etc.

BBB Bella Bella 9.94 300 LR 11 12 25.3

SDCO Great Sand Dun 21.10 14 P 11 10 54.2 +0.6

YKA Yellowknife Ar 21.10 14 P 11 11 55.0 +0.5

YKA 0.5nm,0.9s,mb2.9,baz=199,slow=11,SNR=2.9 P 11 11 55.0 +0.5

ULM Lac du Bonnet 21.75 59 P 11 11 59.8 -1.3

TXAR 1.8nm,0.7s,mb3.6,baz=274,slow=14,SNR=5.6 P 11 12 04.7 +2.2

WMOK Wichita Mountain 22.14 101 P 11 12 04.7 -0.5

HEL 05 11:20:22.5,0.3, 62.90N,34.51E,ML2.0,Explosion IDC 05 11:20:23.1,3.0, 62.91N,34.34E,mb1 3.1/4, mb1mx2.9/18,ML2.8/4, Error ellipse: s-maj=32.2km s-min=12.5km az=121.0

ISC 05 11:20:27.0,1.6, 63.00N,0.09,33.6E,0.2,n11,e118/25, Baltic States - Belarus - Northwestern Russia

JOF Joensuu 1.07 267 Op P 11 20 48.5 +0.4

JOF Kajaani 2.87 295 Es S 11 21 07.1 +4.7

KJN Kujala 2.87 295 Es S 11 21 15.2 +0.3

KJN Kujala 2.87 295 Es S 11 21 53.4 +2.7

KJN Kujala 2.87 295 Es S 11 22 01.6 -1.0

Sumiainen 3.44 269 Op P 11 21 23.7 +0.6

SUF Suofielde 3.44 269 Es S 11 22 06.7 +1.5

SUF Suofielde 3.44 269 Es S 11 22 13.4 -0.7

Kangasniemi 3.51 259 Op P 11 21 23.4 -0.7

KAF Kajaani 3.51 259 Es S 11 22 07.8 +1.8

KAF Kajaani 3.51 259 Es S 11 22 21.6 -2.4

FINES FINES Array B 3.87 250 Op P 11 21 27.5 -1.6

FINES FINES Array B 3.87 250 Op P 11 22 16.0 +0.1

FINES FINES Array B 3.87 250 Op P 11 22 32.5 -3.4

FINES FINES Array B 3.87 250 Op P 11 22 34.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YUK comp=N,2um,0.6s, YUK comp=E,1um,0.6s, YUK comp=N,1um,0.6s, etc.

KURK Kurchatov 42.83 305 P P 11 31 04.6 -0.2

KURK Kurchatov 42.83 305 P P 11 31 04.7 -0.1

GUN Gumba 45.9 272 Ep P 11 31 25.8 +0.4

KKN Karayubulak 45.9 272 Ep P 11 31 29.8 +0.3

PKI Pulchoki 45.9 271 Ep P 11 31 29.5 -0.1

GKN Gorkha 46.28 272 Ep P 11 31 32.4 -0.1

DANN Dangsang 46.78 273 Ep P 11 31 37.1 +0.7

TKM2 Takmak 2 46.83 295 Ep P 11 31 37.7 +1.2

CHKZ Chkalov 47.08 311 Ep P 11 31 38.1 -0.3

KOLN Koldanek 47.19 273 Ep P 11 31 39.6 0.0

KZA Kyzart 47.35 294 P P 11 31 42.1 +1.4

BVA0 Borovoye Array 47.36 310 P P 11 31 40.5 -0.1

BVA0 Borovoye Array 47.36 310 P P 11 31 40.6 0.0

BVAR comp=2.5,2nm,0.6s,mb4.0,baz=76,slow=7.3,SNR=25 P 11 33 08.1 -0.2

KBK Karayubulak 47.36 295 P P 11 31 41.7 +0.9

USP Oshpenovka 47.47 296 P P 11 31 41.8 +0.3

AAK Ala-Archa 47.69 295 P P 11 31 43.7 +0.5

ILAR Eielson Array 47.80 34 P P 11 31 44.5 +0.7

UCH Uchtor 47.81 295 P P 11 31 45.5 +1.2

EKS2 Erkin-Say 48.17 296 P P 11 31 47.4 +0.3

AML Almayatay 48.42 295 P P 11 31 50.1 +1.2

KKAR Karatay Array 50.26 297 Ep P 11 32 02.6 -0.3

KKAR Karatay Array 50.26 297 Ep P 11 32 02.6 -0.3

INK Inuvik 52.41 28 P 11 32 19.2 +0.7

NIED 05 11:23:00.4, 10N,139.50E, h220km, Mw4.1 Best double couple: M1.37x10^15 Np1.3e80, s57°, lambda-117°, NP2: e303°, 642°, lambda-55°

BUI 05 11:23:24.8, 40.15N,139.54E, h232km, mb4.7, mb4.4 MOS 05 11:23:24.0, 0.8, 40.41N,139.12E, h168km, mb4.5/13, Error ellipse: s-maj=16.3km s-min=8.5km az=108.4

IDC 05 11:23:24.0, 1.3, 40.07N,139.26E, h170km, 12km, mb3.8/22, mb1 4.0/26, mb1mx3.9/32, Error ellipse: s-maj=12.5km s-min=8.7km az=100.0

NEIC 05 11:23:27.3, 0.5, 40.09N,139.28E, h203km, 5km, mb4.3/9, Error ellipse: s-maj=7.6km s-min=5.6km az=93.0

JMA 05 11:23:27.1, 0.1, 40.09N,139.46E, h203km, 1km, M4.2

ISC 05 11:23:19.0, 2.4, 40.10N,0.03,139.38E,0.06, h205km, 3km, n98, e091/110, mb4.1/40, 1C-1D, Near west coast of eastern Honshu

JIW Iwasaki 0.69 44 Op P 11 23 55.5 +0.9

JYW Yuwa 0.85 131 P P 11 23 52.7 +0.8

JYH Hinai 0.97 84 P P 11 24 18.4 +0.1

JAW Awashima 1.60 112 P P 11 24 02.2 +0.5

JAW Nango 1.66 80 Op P 11 24 29.2 -0.1

NEIC 05 11:07:09.5, 1.1, 42.38N,125.28W, h10km, mb3.5/2, Error ellipse: s-maj=13.1km s-min=4.1km az=66.0

IDC 05 11:07:10.7, 3.0, 42.55N,125.06W, mb3.1/3, mb1 3.5/4, mb1mx3.3/19,ML2.5/1,MS3.1/1,MS1.3/1,MS1mx2.7/14, Error ellipse: s-maj=48.7km s-min=19.5km az=56.0

ISC 05 11:07:06.9, 1.8, 42.42N,0.05,125.44W,0.1,h4km,11km, n54, e057/55, mb3.3/4, 5C-4D, Off coast of Oregon

KEBM Edson Butte 0.93 61 Ep P 11 07 28.0 +0.6

KRMB Red Mountain 1.45 128 Ep P 11 07 32.6 -1.4

JOSM Joshi 1.98 2 P P 11 24 05.6 +0.7

JKB Kayabe 2.18 34 P P 11 24 07.6 +0.6

JMM Muramori 2.49 153 P P 11 24 10.3 -0.1

MAJO Matsushiro 3.67 195 Ep P 11 24 27.4 +0.4

MAJ Matsushiro 3.67 195 Ep P 11 24 27.4 +0.4

DAVOS Davos 82.49 328 P P 11 35 27.7 +1.4

IDI Anoyia 83.75 312 P P 11 35 32.6 -0.4

LOR Lormes 84.43 331 Ep P 11 35 36.2 +0.1

LOR Lormes 84.43 331 Ep P 11 35 36.2 +0.1

FLN La Foliniere 84.67 335 Ep P 11 35 37.4 +0.2



CKL	Chakachamna La	8.87	33	P	P	13 22 46.2 +0.7
ADK	Adak	8.89	261	eP	P	13 22 45.2 -0.5
ADK	Adak	8.89	261	P	P	13 22 44.6 -1.1
SPU	Mount Spurr	8.95	34	eP	P	13 22 40.0 +0.6
SLKM	Skliak Lake	9.15	41	eP	P	13 22 48.0 -1.4
KIWB	Kanaga Island	9.17	261	P	P	13 22 48.7 +0.2
SEW	Seward	9.22	45	P	P	13 22 48.7 -1.7
KIMD	Kanaga Island	9.25	261	P	P	13 22 49.6 -1.1
TT01	Tatalina	9.38	18	P	P	13 22 52.5 0.0
MPA	Moose Pass	9.48	43	P	P	13 22 53.7 -0.2
RC01	Rabbit Creek A	9.71	39	P	P	13 22 56.0 -0.9
GOU	Gould Hill	9.75	39	P	P	13 23 07.0 -1.6
PMS	Palmer South	9.87	39	P	P	13 22 57.1 -2.0
PWA	Palmer West	10.03	37	P	P	13 22 59.1 -2.1
PMR	Palmer	10.26	38	P	P	13 23 02.5 -1.9
KNK	Knik Glacier	10.39	40	P	P	13 23 04.9 -1.3
ANM	Nome	10.53	353	eP	P	13 23 09.0 +0.8
HIN	Hinchinbrook I	10.83	48	P	P	13 23 07.0 -2.5
SML	Sawmill	10.69	39	eP	P	13 23 06.3 -4.0
JKP	Jack Peak	10.92	44	P	P	13 23 11.3 -2.2
EYAK	Cordova Ski Ar	11.03	48	P	P	13 23 12.5 -2.5
DIY	Divide	11.30	45	P	P	13 23 17.1 -1.6
TOA	Tolsona	11.37	41	P	P	13 23 21.9 -1.8
BMRM	Bremner River	11.72	47	P	P	13 23 23.4 -0.9
TNA	Tin City	11.75	349	P	P	13 23 25.6 +0.9
MCK	McKinley	11.82	30	eP	P	13 23 27.0 -3.1
IM3	Indian Mountai	12.60	16	P	P	13 23 36.0 -0.1
IMA	Indian Mountai	12.69	16	P	P	13 23 38.3 +1.0
COLA	College	12.99	29	P	P	13 23 41.1 -2.3
COLA	College	12.99	29	P	P	13 23 38.8 -2.6
IL1	Eielson Array	13.20	30	P	P	13 23 40.1 -3.9
ILAR	Eielson Array	13.20	30	Pn	P	13 23 39.5 -4.5
ILAR	1.2nm, 0.3s, baz=223, slow=13, SNR=50				S	13 26 01.8 -8.6
ILAR	0.3nm, 0.3s, baz=222, slow=25, SNR=2.4				LR	13 29 13.1
DOT	Dot Lake	13.37	37	P	P	13 23 43.8 -2.5
PNL	Peninsula	13.70	37	P	P	13 23 49.6 -0.8
BCA3	Beaver Creek A	13.91	42	P	P	13 23 51.6 -1.5
FX1	Attu Island-F	14.55	275	Pn	P	13 24 02.5 +0.9
FX1	2.3nm, 0.3s, baz=88, slow=20, SNR=37				LR	13 29 05.7
FX1	comp=Z, 42nm, 1.8, 1s, baz=104, slow=36				LR	13 24 00.8 -0.9
DAWY	Dawson	15.34	41	P	P	13 24 09.7 -2.2
BM3	Burnt Mountain	15.79	26	P	P	13 24 14.2 -3.3
WHY	Whitehorse	16.12	55	P	P	13 24 24.6 +2.7
DLBC	Dease Lake	16.22	53	S	S	13 24 50.2 +0.1
DLBC	0.4nm, 0.3s, baz=197, slow=18, SNR=5.1				S	13 28 12.7 +2.2
DLBC	comp=Z, 507nm, 20.8s, baz=272, slow=35				LR	13 31 12.7
DLBC	Dease Lake	18.37	63	eP	P	13 24 51.3 +1.2
INK	Inuvik	19.57	32	P	P	13 25 00.5 -3.5
INK	3.7nm, 0.3s, baz=245, slow=12, SNR=137				S	13 28 35.8 -1.5
INK	0.2nm, 0.3s, baz=238, slow=19, SNR=2.6				LR	13 33 26.2
INK	comp=Z, 3um, 20.4s, baz=235, slow=39				LR	13 25 00.1 -3.8
INK	Inuvik	19.57	32	P	P	13 25 00.1 -3.8
BILL	Bilibino	20.20	326	iP	P	13 25 09.1 -1.8
BILL	comp=Z, 17nm, 1.3s				MLR	13 25 09.1 -1.7
BILL	comp=Z, 1um, 15.0s, MS4.4				MLR	13 25 09.1 -1.7
BILL	Bilibino	20.20	326	eP	P	13 25 09.1 -1.7
BBB	Bella Bella	20.55	81	LR	LR	13 31 19.8
PET	Petropavlovsk	22.93	283	iP	P	13 25 38.5 +0.4
PET	comp=Z, 815nm, 22.0s, baz=285, slow=31				S	13 29 40.4 -0.8
PET	Petropavlovsk	22.93	283	iP	P	13 29 40.4 -0.8
PET	comp=Z, 74nm, 1.1s, mb5.0				MLR	13 25 00.1 -3.8
PET	comp=Z, 115nm, 11.9s				MLR	13 25 00.1 -3.8
PET	comp=E, 153nm, 14.8s				MLR	13 25 00.1 -3.8
PET	comp=E, 2um, 17.0s				MLR	13 25 00.1 -3.8
PET	comp=Z, 1um, 19.0s, MS4.5				MLR	13 25 00.1 -3.8
PET	Petropavlovsk	22.93	283	eP	P	13 25 37.1 -1.0
SEY	Seymchan	24.65	309	eP	P	13 25 55.5 +0.7
SEY	Seymchan	24.65	309	eP	P	13 26 30.9
SEY	Seymchan	24.65	309	eP	P	13 29 33.6
SEY	comp=Z, 20nm, 0.6s, mb4.8				MLR	13 26 08.7 +8.1
SEY	comp=E, 10.0nm, 0.7s				MLR	13 26 08.7 +8.1
SKR	Severo-Kuril's	25.25	279	eP	P	13 26 08.7 +8.1
SKR	comp=Z, 80nm, 0.5s, mb5.5				MLR	13 26 08.7 +8.1
SKR	comp=N, 50nm, 0.8s				MLR	13 26 08.7 +8.1
SKR	comp=E, 30nm, 0.5s				MLR	13 26 08.7 +8.1
SKR	comp=E, 2um, 20.0s				MLR	13 26 08.7 +8.1
SKR	comp=Z, 3um, 20.0s, MS4.8				MLR	13 26 08.7 +8.1
GNW	Green Mountain	25.59	89	P	P	13 26 06.5 +2.6
MA2	Magadan	25.69	301	eP	P	13 26 04.7 0.0
MA2	comp=Z, 11nm, 0.7s, mb4.5				MLR	13 26 04.7 0.0
MA2	comp=Z, 500nm, 17.0s, MS4.1				MLR	13 26 04.7 0.0
MA2	Magadan	25.69	301	eP	P	13 26 04.0 -0.6
YKW3	Yellowknife Ar	25.88	52	eP	P	13 26 06.2 -0.2
YKA	Yellowknife Ar	25.87	52	P	P	13 26 06.4 0.0
YKA	comp=Z, 1.2nm, 0.5s, mb4.5, baz=271, slow=9, SNR=147				PcP	13 29 33.8 -1.6
YKA	comp=Z, 1.3nm, 0.6s, baz=277, slow=2.1, SNR=5.7				LR	13 37 31.4
YKA	comp=Z, 1um, 18.8s, MS4.4, baz=275, slow=39				LR	13 37 31.4
BMW	Boisfort Moun	25.91	91	P	P	13 26 08.8 +2.0
RPW	Roskopf	25.93	86	P	P	13 26 09.0 +2.0
NLW	Nelson Butte	26.80	86	P	P	13 26 15.1 +0.1
SSOR	Sweet Springs	27.25	93	P	P	13 26 19.2 +0.1
HAWA	Hanford	28.13	88	eP	P	13 26 27.2 +0.1
NEW	Newport	28.59	83	P	P	13 26 39.2 +7.9
NEW	comp=Z, 3.5nm, 0.9s, mb4.1, baz=294, slow=6.0, SNR=4.4				LR	13 26 39.2
NEW	comp=Z, 3.5nm, 0.9s, baz=294, slow=6.0, SNR=4.4				LR	13 26 39.2
NEW	comp=Z, 905nm, 21.8s, MS4.3, baz=169, slow=32				LR	13 35 48.8
NEW	comp=Z, 905nm, 21.8s, baz=169, slow=32				LR	13 35 48.8
NEW	Newport	28.59	83	P	P	13 26 31.7 +0.5
NEW	comp=Z, 12nm, 1.4s, mb4.5				LR	13 35 48.8
YBH	Yreka Blue Hor	28.97	99	P	P	13 26 36.1 +1.4
LNOR	Linton Mounta	29.14	88	eP	P	13 26 37.2 +1.1
MOD	Modoc	30.27	96	eP	P	13 26 47.4 +1.2
WVOR	Wild Horse Val	30.47	91	eP	P	13 26 52.4 +0.4
MSO	Missoula	31.18	83	P	P	13 26 56.4 +2.2
CHMT	Chamberlain M	31.53	83	eP	P	13 26 57.6 +0.2
WCN	Washeo City	32.26	100	eP	P	13 27 05.0 +1.2
WCN	comp=Z, 4.6nm, 1.0s, mb4.5				LR	13 27 05.0 +1.2
HRY	Holter Researc	32.47	82	eP	P	13 27 04.2 -1.4
HLID	Halley	32.72	89	eP	P	13 27 07.8 +0.1
MCMT	McKenzie Canyo	32.91	86	eP	P	13 27 09.3 -0.1
RES	Resolute Bay	33.11	27	eP	P	13 27 07.4 -1.7
BOZ	Bozeman (W)	33.16	84	eP	P	13 27 10.4 -1.2
TIXI	Tiksi	33.40	328	eP	P	13 27 11.0 -2.3
TIXI	comp=Z, 5.0nm, 0.7s, mb4.5				MLR	13 27 11.0 -2.3
TIXI	comp=Z, 800nm, 16.0s, MS4.5				MLR	13 27 11.0 -2.3
TIXI	Tiksi	33.40	328	eP	P	13 27 11.0 -2.4
NVAR	Mina Array Bea	33.68	100	P	P	13 27 17.4 +1.2
NVAR	comp=Z, 2.2nm, 0.7s, mb4.2, baz=311, slow=9.6, SNR=12				PcP	13 29 56.4 +0.8

comp=Z, 0.5nm, 0.7s, baz=315, slow=2.6, SNR=2.5					LR	13 38 20.2
NVAR	comp=Z, 735nm, 21.6s, MS4.4, baz=335, slow=32				LR	13 38 20.2
QWMT	Earthquake Lak	33.74	85	P	P	13 27 18.9 +2.4
LITUN	Litungsten Hills	34.27	201	P	P	13 27 21.4 +0.2
KLWY	Lake	34.74	84	P	P	13 27 23.5 +0.5
YSS	Yuzh-Sakhalins	34.77	141	P	P	13 27 23.0 -2.4
YSS	comp=E, 700nm, 20.0s				MLR	13 27 23.0 -2.4
YSS	comp=Z, 900nm, 20.0s, MS4.5				MLR	13 27 23.0 -2.4
YAK	Yakutsk	35.14	311	iP	P	13 27 26.0 -2.4
YAK	comp=Z, 27nm, 0.8s, mb5.2				MLR	13 27 26.0 -2.4
YAK	comp=Z, 800nm, 19.0s, MS4.5				MLR	13 27 26.0 -2.4
YAK	Yakutsk	35.14	311	eP	P	13 27 25.6 -2.8
YAK	comp=Z, 23nm, 0.8s, mb5.2				MLR	13 27 25.6 -2.8
ISA	Isabella	35.50	103	eP	P	13 27 31.9 +0.2
HWUT	Hardware Ranch	35.58	89	eP	P	13 27 31.9 +0.4
HWUT	comp=Z, 1.8nm, 1.7s, mb4.7				MLR	13 27 31.9 +0.4
BW06	Boulder Array	36.05	86	eP	P	13 27 36.6 +0.3
BW06	comp=Z, 6.3nm, 1.3s, mb4.6				MLR	13 27 36.6 +0.3
PDAR	Pinedale Array	36.05	86	eP	P	13 27 36.2 -0.1
PDAR	comp=Z, 0.3nm, 0.7s, baz=293, slow=6.9, SNR=3.2				LR	13 27 36.2 -0.1
PDAR	comp=Z, 296nm, 20.4s, baz=212, slow=33				LR	13 24 23.7
ASAJ	Asahikawa	36.46	277	P	P	13 27 38.1 -1.7
ASAJ	comp=Z, 1.9nm, 0.8s, mb5.1, baz=48, slow=5.7, SNR=7.5				LR	13 27 38.1 -1.7
DAU	Daniels Canyon	36.51	91	P	P	13 27 40.4 +0.2
FCC	Fort Churchill	36.55	54	eP	P	13 27 39.6 -0.7
FCC	comp=Z, 23nm, 1.3s, mb4.9				MLR	13 27 39.6 -0.7
GSC	Goldstone	36.71	102	eP	P	13 27 42.2 +0.3
MSU	Marysvalde	37.20	94	eP	P	13 27 46.9 +0.9
NEN	Nelson	37.60	100	eP	P	13 27 50.0 +0.6
SRU	San Rafael	37.78	92	eP	P	13 27 51.4 +0.5
LDFO	Landfall	37.85	101	eP	P	13 27 52.4 +0.9
RSSD	Black Hills	38.46	80	eP	P	13 27 57.0 +0.5
PV10	Paradox Valley	39.14	91	eP	P	13 28 02.0 -0.2
GLA	Glamis	39.47	103	eP	P	13 28 06.0 +1.0
PV01	Paradox Valley	39.57	81	eP	P	13 28 04.6 -1.2
ULM	Lac du Bonnet	39.62	67	P	P	13 28 05.5 +0.3
ULM	comp=Z, 1.3nm, 0.6s, mb4.8, baz=309, slow=8.3, SNR=33				LR	13 28 05.5 +0.3
ULM	comp=Z, 345nm, 19.9s, MS4.2, baz=338, slow=36				LR	13 28 05.2 -0.8
ULM	Lac du Bonnet	39.62	67	eP	P	13 28 05.2 -0.8
ULM	comp=Z, 1.3nm, 0.6s, mb4.8				LR	13 28 05.2 -0.8
WUAZ	Wupatki	39.71	97	eP	P	13 28 07.8 +0.8
WUAZ	comp=Z, 6.1nm, 0.9s, mb4.3				MLR	13 28 07.8 +0.8
KLR	Kul duri	39.76	291	eP	P	13 28 06.0 -1.2
SDCO	Great Sand Dun	40.34	89	eP	P	13 28 23.6 +0.8
TUC	Tucson	42.10	100	eP	P	13 28 29.0 +0.4
TUC	comp=Z, 5.7nm, 1.1s, mb4.1				MLR	13 28 29.0 +0.4
LAZ	Ladron	42.97	94	eP	P	13 28 34.3 +0.5
ANMO	Albuquerque	42.99	93	eP	P	13 28 43.8 +1.0
LPM	Los Pinos Moun	43.33	94	eP	P	13 28 37.1 -0.7
BNM	Barren Site	43.45	94	eP	P	13 28 36.1 -1.5
MDJ	Mudanjiang	43.64	286	P	P	13 28 37.2 -1.9
MDJ	MDJ			AP	pP	13 28 37.2 -1.9
MDJ	MDJ			XP	sP	13 28 37.2 -1.9
MDJ	MDJ			PP	PP	13 28 37.2 -1.9
MDJ	MDJ			PCP	PcP	13 28 37.2 -1.9
MDJ	MDJ			SCP	SCP	13 28 37.2 -1.9
MDJ	MDJ			PCS	PCS	13 28 37.2 -1.9
MDJ	MDJ			XS	S	13 28 37.









Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station details. Includes stations like Sierra Loja, Lijar, Sierra de Lija, Cogollos-Vega, Espera, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station details. Includes stations like Stephens Creek, Warramunga Arr, Fitzroy Crossi, NEIC 05 16:52:55.1, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station details. Includes stations like KKM Kota Kinabalu, RATA Rata, INGI Ingas, etc.

IDC 05 16:30:39.2-28.0, 17.88S-174.92W, mb3.9/4, mb1 4.0/4, s-min=153.5km az=87.0, Tonga Islands

SNY	Shenyang	44.87 345	UP	P	17 01 11.9 +1.3
SNY			AP	pP	17 01 21.9 +7.8
SNY			SS	SS	17 11 08.2 +7.9
SNY			LR	LR	
SNY	comp=N,650nm,19.0s,MS4.7		LR	LR	
SNY	comp=E,390nm,17.1s,MS4.7		LR	LR	
SNY	comp=Z,760nm,19.2s,MS4.6		LR	LR	
ASAJ	Asahikawa	45.42 5	P	P	17 01 14.7 -0.2
ASAJ	comp=Z,9.8nm,0.8s,mb4.7,baz=296,slow=11,SNR=3.8		LR	LR	17 18 17.9
ASAJ	comp=Z,311nm,19.9s,MS4.3,baz=178,slow=33		LR	LR	
ASAJ	Asahikawa	45.42 5	P	P	17 01 14.7 -0.2
ASAJ	comp=Z,10.0nm,0.8s		pmax	pmax	
ASAJ	comp=Z,311nm,19.9s		MLR	MLR	
BJT	Baijiatuu	45.70 337	eP	P	17 01 16.7 -0.6
BJT	comp=Z,167nm,1.7s,mb5.7		LR	LR	
BJT	comp=Z,958nm,22.0s,MS4.7		LR	LR	
BJI	Beijing	45.72 337	P	P	17 01 16.9 -0.4
BJI			AP	pP	17 01 26.0 +5.1
BJI			XP	sP	17 01 29.7 +7.4
BJI			PP	PP	17 03 05.9 +0.9
BJI			S	S	17 07 58.5 -1.1
BJI			SS	SS	17 11 23.2 +7.5
BJI	comp=Z,30nm,1.2s,mb5.1		AMB	AMB	
BJI	comp=Z,268nm,3.3s		LR	LR	
BJI	comp=N,682nm,18.0s,MS4.7		LR	LR	
BJI	comp=E,527nm,18.5s,MS4.7		LR	LR	
BJI	comp=Z,602nm,20.7s,MS4.5		LR	LR	
CN2	Changchun	46.29 347	eP	P	17 01 22.0 +0.2
CN2			eAP	pP	17 01 26.5 +1.2
CN2			eS	S	17 08 08.4 +0.7
CN2			AMB	AMB	
CN2	comp=Z,10.0nm,0.7s,mb4.8		AMB	AMB	
CN2	comp=Z,200nm,3.0s		LR	LR	
CN2	comp=N,700nm,15.0s,MS4.8		LR	LR	
CN2	comp=E,300nm,15.0s,MS4.8		LR	LR	
CN2	comp=Z,700nm,14.0s,MS4.8		LR	LR	
MDJ	Mudanjiang	46.33 352	P	P	17 01 22.1 0.0
MDJ			PCP	pP	17 02 58.1 +0.3
MDJ			PP	PP	17 03 10.9 -0.1
MDJ			S	S	17 08 09.5 +1.2
MDJ			SS	SS	17 11 35.8 +1.0
MDJ	comp=Z,20nm,0.9s,mb5.0		AMB	AMB	
MDJ	comp=Z,171nm,5.0s		LR	LR	
MDJ	comp=N,398nm,16.8s		LR	LR	
MDJ	comp=E,83nm,11.2s		LR	LR	
MDJ	comp=Z,546nm,16.8s,MS4.6		LR	LR	
MDJ	Mudanjiang	46.33 352	eP	P	17 01 21.9 -0.1
MDJ	comp=Z,12nm,0.8s,mb4.9		LR	LR	
Ouz	Omahuta	47.29 140	P	P	17 01 31.4 +1.5
YSS	Yuzh-Sakhalins	48.25 4	eP	P	17 01 35.6 +1.6
YSS			i'PP	pP	17 01 46.5 +5.8
YSS			e'SP	sP	17 01 52.0 +1.0
YSS			eS	S	17 08 27.0 -8.4
YSS			eSS	SS	17 11 26.0 -3.4
YSS	comp=Z,600nm,18.0s,MS4.6		MLR	MLR	
YSS	comp=Z,14nm,0.6s,mb5.2		LR	LR	
YSS	comp=Z,509nm,19.0s,MS4.5		LR	LR	
BTO	Baotou	48.87 332	eP	P	17 01 42.1 0.0
LZH	Lanzhou	48.92 323	eP	P	17 01 43.3 +0.8
LZH			AP	pP	17 01 47.7 +1.7
LZH			S	S	17 08 46.2 +1.2
LZH			SS	SS	17 12 15.0 +3.6
LZH	comp=Z,30nm,1.0s,mb5.3		AMB	AMB	
LZH	comp=N,740nm,15.0s		LR	LR	
KLR	Kul'dur	50.63 355	eP	P	17 01 54.7 -0.7
KLR			eS	SSS	17 09 11.5 +3.0
KLR			eSSS	SSS	17 14 10.5 -2.2
MSZ	Milford Sound	50.67 153	P	P	17 01 55.9 +0.2
OIZ	Oio	50.77 142	P	P	17 01 57.8 +1.2
URZ	Urewera	51.37 140	P	P	17 02 00.9 -0.2
LTZ	Lake Taylor	51.44 148	P	P	17 02 01.3 -0.4
RPZ	Rata Peaks	51.47 150	P	P	17 02 01.5 -0.4
TCW	Tory Channel	51.49 145	P	P	17 02 01.7 -0.4
MRW	Makara Radio	51.74 145	P	P	17 02 03.5 -0.5
MRZ	Mangatoinaka R	51.89 144	P	P	17 02 04.3 -0.8
SHL	Shillong	51.93 304	eP	P	17 02 05.0 -0.6
SHL			AMB	AMB	17 02 07.6
OTW	Orongorongo Tu	51.95 145	P	P	17 02 04.7 -0.8
HIA	Tuapeka	52.42 152	P	P	17 02 08.8 -0.2
HIA	Hailar	52.78 345	eP	P	17 02 11.2 -0.5
HIA	comp=Z,88nm,1.5s,mb5.5		LR	LR	
HIA	comp=Z,554nm,20.0s,MS4.6		LR	LR	
GTA	Gaotai	53.50 323	P	P	17 02 17.3 +0.2
GTA			AP	pP	17 02 21.9 +1.2
GTA			XP	sP	17 02 25.7 +3.6
GTA			PCP	pP	17 03 23.0 +0.2
GTA			SCP	S	17 07 19.9
GTA			S	S	17 09 48.6 +0.6
GTA	comp=Z,17nm,1.0s,mb4.9		AMB	AMB	
GTA	comp=Z,165nm,4.6s		AMB	AMB	
LSA	Lhasa	54.26 309	P	P	17 02 23.4 +0.6
LSA	comp=Z,20nm,1.0s,mb5.0		AMB	AMB	
LSA	Lhasa	54.26 309	eP	P	17 02 23.6 +0.9
LSA	comp=Z,12nm,0.7s,mb4.9		LR	LR	
LSA	comp=Z,194nm,19.0s,MS4.2		LR	LR	
ULN	Ulanbatar	55.89 335	eP	P	17 02 34.4 0.0
ULN	Ulanbatar	55.89 335	eP	P	17 02 34.0 -0.5
ULN	comp=Z,36nm,1.5s,mb5.2		LR	LR	
ULN	comp=Z,65nm,20.0s,MS4.7		LR	LR	
SOMN	Songino Array	56.14 335	P	P	17 02 36.1 -0.1
SOMN	comp=Z,1.1nm,0.5s,mb4.1,baz=150,slow=7.9,SNR=13		PKPPKP	PKPPKP	17 32 34.8
SOMN	comp=Z,0.3nm,0.6s,slow=3.7,SNR=5		PKP2bc	PKP2bc	17 32 48.9
SOMN	comp=Z,0.9nm,0.7s,baz=297,slow=2.8,SNR=8.1		P	P	17 02 45.1 +3.8
PET	Petropavlovsk	56.85 15	eP	S	17 01 40.7 +8.1
PET			eS	S	
PET	comp=Z,38nm,1.2s,mb5.3		pmax	pmax	
PET	comp=Z,88nm,9.4s		pmax	pmax	
PET	comp=N,165nm,15.1s		MLR	MLR	
PET	comp=Z,224nm,17.0s,MS4.3		MLR	MLR	
PET	comp=N,230nm,19.0s,MS4.5		MLR	MLR	
PET	comp=E,212nm,17.0s,MS4.5		MLR	MLR	
PALK	Pallekele	57.75 279	eP	P	17 02 47.8 -0.3
PKI	Pulchoki	58.05 304	eP	P	17 02 49.7 -0.3
PKI	comp=E,102nm,1.3s,mb5.7		LR	LR	
KAKN	Kakan	58.23 304	eP	P	17 02 51.0 -0.3
KAKN	comp=E,92nm,0.9s,mb5.8		LR	LR	
DDN	Daman	58.31 304	eP	P	17 02 51.9 0.0
DDN	comp=E,116nm,1.0s,mb5.9		LR	LR	
GKH	Gorkh	58.84 304	eP	P	17 02 55.5 -0.1
GKH	comp=E,132nm,0.9s,mb5.0		LR	LR	

CLNS	Chul'man	58.92 352	eP	P	17 02 55.8 +0.1
CLNS			comp=N,10.0nm,0.9s	pmax	pmax
CLNS			comp=E,5.0nm,0.9s	pmax	pmax
CLNS			comp=Z,10.0nm,0.9s,mb4.8	pmax	pmax
ZAK	Zakamensk	59.41 335	eP	P	17 02 57.9 -1.3
KOLD	Koldana	59.62 303	eP	P	17 03 01.0 0.0
DANN	Dangsing	59.69 304	eP	P	17 03 04.4 0.0
TLY	Talaya	60.24 336	eP	P	17 03 04.3 -1.5
TLY			eS	S	17 05 19.1
TLY			eS	S	17 11 20.2 +3.3
TLY	comp=Z,7.0nm,1.0s,mb4.7		pmax	pmax	
TLY	comp=Z,500nm,18.0s,MS4.7		MLR	MLR	
IRK	Irkutsk	60.42 337	eP	P	17 03 07.8 +1.7
KOD	Kodaikanal	61.27 282	eP	P	17 03 12.4 0.0
KOD			Amb	AMB	17 03 13.8
KOD	comp=Z,64nm,1.0s,mb5.7		MLR	MLR	
MOY	Mondy	61.33 335	eP	P	17 03 12.7 +0.4
HYB	Hyderabad	61.38 291	i'P	P	17 03 12.0 -1.0
HYB			e	P	17 03 20.0
HYB	Hyderabad	61.38 291	i'P	P	17 03 12.0 -1.0
FX1	Attu Island-F	61.51 23	P	P	17 03 12.9 -0.6
FX1	comp=Z,18nm,0.7s,mb5.3,baz=134,slow=19,SNR=4.3		pmax	pmax	
FX1	Attu Island-F	61.51 23	P	P	17 03 12.9 -0.6
MA2	Magadan	61.54 7	eP	P	17 03 10.7 -2.9
MA2	Magadan	61.54 7	eP	P	17 03 12.3 -1.3
MA2	comp=Z,16nm,1.0s,mb5.1		LR	LR	
MA2	comp=Z,285nm,21.0s,MS4.4		LR	LR	
BOD	Bodobo	61.98 346	eP	P	17 03 15.7 -0.9
LATR	Latur	63.43 291	eP	P	17 03 25.9 -0.8
LATR			Amb	AMB	17 03 27.2
WMQ	Urumqi	63.45 322	i'P	P	17 03 26.4 -0.1
WMQ			PCP	pP	17 04 01.3 -1.9
WMQ			PP	PP	17 05 46.7 -1.1
WMQ			PP	PP	17 11 56.7 -0.9
WMQ			SCS	ScS	17 13 18.0 +2.0
WMQ			AMB	AMB	
WMQ	comp=Z,23nm,1.0s,mb5.3		AMB	AMB	
WMQ	comp=Z,293nm,5.0s		LR	LR	
WMQ	comp=N,346nm,17.0s		LR	LR	
WMQ	comp=E,217nm,10.0s		LR	LR	
AKL	Akola	63.47 294	eP	P	17 03 26.1 -0.9
AKL			Amb	AMB	17 03 27.6
YAK	Yakutsk	63.49 356	i'P	P	17 03 26.0 -0.5
YAK			e	P	17 03 59.7
YAK			e	P	17 05 43.5
YAK			ePPP	PPP	17 07 17.1 -2.3
YAK			eS	PS	17 11 56.4 -1.4
YAK			eS	PS	17 12 26.1 +8.2
YAK			eS	S	17 13 12.1
YAK			eSS	SS	17 16 00.1 -6.6
YAK			eSSS	SSS	17 18 47.4 -5.6
YAK	comp=N,10.0nm,1.0s		pmax	pmax	
YAK	comp=Z,10.0nm,1.0s,mb4.9		pmax	pmax	
YAK	comp=E,3.0nm,1.4s		pmax	pmax	
YAK	comp=Z,3.0nm,1.0s,mb4.4		pmax	pmax	
YAK	comp=N,3.0nm,0.9s		pmax	pmax	
YAK	comp=E,2.0nm,1.1s		pmax	pmax	
YAK	Yakutsk	63.49 356	eP	P	17 03 25.9 -0.6
YAK	comp=E,51nm,0.8s,mb5.7		LR	LR	
YAK	comp=Z,729nm,19.0s,MS4.9		LR	LR	
BHPL	Bhopal	63.67 297	eP	P	17 03 28.0 -0.4
BHPL			e	P	17 03 38.5
JOSI	Joshimath	63.67 305	eP	P	17 03 29.6 +0.1
AGRA	Aggra	64.24 301	eP	P	17 03 30.5 +1.6
SEY	Seymchan	64.99 7	eP	P	17 03 37.4 +1.1
SEY			eS	S	17 04 09.6
SEY			eS	S	17 06 05.9
SEY			eSS	SS	17 12 20.8 +4.4
SEY			eSS	SS	17 12 26.5
SEY	comp=Z,30nm,0.9s,mb5.3		pmax	pmax	
SEY	comp=Z,680nm,20.0s,MS4.8		MLR	MLR	
SEY	comp=E,230nm,18.0s		MLR	MLR	
SONA	Sohna	65.25 302	eP	P	17 03 37.2 -1.4
SONA			e	P	17 03 49.0
AYAN	Aya Nagar	65.28 302	eP	P	17 03 35.1 -3.7
AYAN			e	P	17 03 47.3
KAD	Karad	65.46 290	eP	P	17 03 38.9 -1.2
KAD			e	P	17 03 50.4
KUDL	Kundal	65.73 302	eP	P	17 03 40.0 -1.6
KUDL			e	P	17 03 51.2
KKR	Kutukshetra	65.95 304	eP	P	17 03 42.5 -0.5
POO	Poona	65.98 291	eP	P	17 03 41.9 -1.4
POO			e	P	17 03 53.6
KHET	Khetri	66.29 301	eP	P	17 03 44.2 -1.0
KHET			e	P	17 03 55.5
AJEM	Ajmer	66.90 299	eP	P	17 03 48.0 -1.2
AJEM			e	P	17 03 59.5
MKAR	Makanchi Array	68.23 322	P	P	17 03 57.1 0.0
MKAR	comp=Z,31nm,1.1s		P	P	
MKAR	comp=Z,12nm,0.7s,mb5.0,baz=115,slow=8.3,SNR=100		PKP2bc	PKP2bc	17 32 14.3
MKAR	comp=Z,0.6nm,0.9s,baz=320,slow=4.2,SNR=7.2		LR	LR	17 35 56.4
MKAR	Makanchi Array	68.23 322	i'P	P	17 03 57.0 -0.1
MKAR			pmax	pmax	
MKAR	comp=Z,46nm,1.0s		P	P	17 03 57.1 0.0
MKAR	Makanchi Array	68.23 322	i'P	P	17 32 14.3
MKAR			e	P	17 35 56.4
MKAR			LR	LR	17 35 56.4
JASL	Jaisalmer	70.26 299	eP	P	17 04 09.5 -0.4



Table with columns: Call Sign, Name, Frequency, Mode, and other parameters. Includes stations like IGT, SLNF, SLTI, etc.

Table with columns: Call Sign, Station Name, Frequency, Mode, and other parameters. Includes stations like PKI, LSA, ZAK, etc.

Table with columns: Code, Station Name, Frequency, Mode, and other parameters. Includes stations like AOS, NAIG, NEO, etc.









Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Suwalki, FINESS Array B, Kangasniemi, etc.

IDC 05 19:34:41.1,3.0, 19.41S;177.97W, h412km, 33km, mb3.4/6, mb1 3.6/6, mb1mx3.3/15, Error ellipse: s-maj=34.5km s-min=19.6km az=153.0

NEIC 05 19:34:54.2,0.7, 19.58S;178.34W, h555km, mb4.1/1, Error ellipse: s-maj=21.0km s-min=15.6km az=196.0

ISC 05 19:34:39.0,3.8, 19.55S;177.91W,0.1, h400km, 39km, n17, c0561/17, mb3.77, 3C-1D, Fiji Islands region

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

IDC 05 20:04:23.3,4.3, 35.65N;70.99E, mb3.5/5, mb1 3.6/7, mb1mx3.5/18, ML3.3/2, Error ellipse: s-maj=79.2km s-min=30.9km az=2.0

NNC 05 20:04:46.8,22.0, 36.88N;70.68E, h123km, 388km, mpv4.1, Error ellipse: s-maj=216.7km s-min=166.8km az=48.0

ISC 05 20:04:37.1,1.9, 36.25N;0.097.1E,0.2, h104km, 19km, n22, c0562/24, mb3.2/4, 4C, Afghanistan-Tajikistan border region

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

IDC 05 20:09:22.6,0.9, 28.36S;74.20E, mb4.4/12, mb1 4.5/12, mb1mx4.4/17, MS3.4/1, Ms1 3.4/1, ms1mx3.0/24, Error ellipse: s-maj=31.9km s-min=16.9km az=47.0

NEIC 05 20:09:24.2,0.5, 28.39S;74.24E, h10km, mb4.5/4, Error ellipse: s-maj=15.8km s-min=12.5km az=217.0

ISC 05 20:09:23.0,2.0, 28.25S;0.10,74E,0.1, h10km, n40, c0568/34, mb4.5/16, 2C-1D, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NWAO Narrogin (SRO), etc.

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

ZUR 05 20:17:35.9, 46.90N;8.90E, h4km, ML2.0/9, NEIC 05 20:17:35.0,0.2, 46.88N;8.91E, h132km, 2km, ML2.4(VIE), ML2.3(LDG), ML2.2(STRI), ML2.0(ZUR), Error ellipse: s-maj=2.6km s-min=2.1km az=198.0

PRU 05 20:17:35.9, 47.10N;8.85E, LDG 05 20:17:35.0,0.1, 46.90N;8.94E, h4km, Md2 3/2, Ml2.3/14, Error ellipse: s-maj=1.7km s-min=1.2km az=85.0

ISC 05 20:17:33.8,0.2, 46.87N;0.02, 8.89E;0.02, h133km, n46, c110/04, 9C-5D, Switzerland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like LLL Linth-Limmern, MUO Muotathal, etc.

ISC 05 20:17:35.9, 46.90N;8.90E, h4km, ML2.0/9, NEIC 05 20:17:35.0,0.2, 46.88N;8.91E, h132km, 2km, ML2.4(VIE), ML2.3(LDG), ML2.2(STRI), ML2.0(ZUR), Error ellipse: s-maj=2.6km s-min=2.1km az=198.0

PRU 05 20:17:35.9, 47.10N;8.85E, LDG 05 20:17:35.0,0.1, 46.90N;8.94E, h4km, Md2 3/2, Ml2.3/14, Error ellipse: s-maj=1.7km s-min=1.2km az=85.0

ISC 05 20:17:33.8,0.2, 46.87N;0.02, 8.89E;0.02, h133km, n46, c110/04, 9C-5D, Switzerland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like LLL Linth-Limmern, MUO Muotathal, etc.

IDC 05 20:17:35.9, 46.90N;8.90E, h4km, ML2.0/9, NEIC 05 20:17:35.0,0.2, 46.88N;8.91E, h132km, 2km, ML2.4(VIE), ML2.3(LDG), ML2.2(STRI), ML2.0(ZUR), Error ellipse: s-maj=2.6km s-min=2.1km az=198.0

PRU 05 20:17:35.9, 47.10N;8.85E, LDG 05 20:17:35.0,0.1, 46.90N;8.94E, h4km, Md2 3/2, Ml2.3/14, Error ellipse: s-maj=1.7km s-min=1.2km az=85.0

ISC 05 20:17:33.8,0.2, 46.87N;0.02, 8.89E;0.02, h133km, n46, c110/04, 9C-5D, Switzerland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like LLL Linth-Limmern, MUO Muotathal, etc.

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

MOS 05 20:21:05.8, 1.1, 10.12S;161.06E, h33km, mb5.5/9, Error ellipse: s-maj=43.5km s-min=15.8km az=103.6

BUJ 05 20:21:11.5, 9.60S;160.90E, h57km, mb5.3, mb5.0, Ms5.8, Ms2.4

HRVD 05 20:21:13.2,0.4, 10.28S;161.33E, h87km, 2km, MW5.2/44, Centroidal moment Tensor Solution, L P body waves: s41, c59, Mantle waves: s4, c73; Half duration: 190

Moment tensor: Scale 10^17Nm; Mw=0.58; 02; Mw=0.76; 02; Mw=0.18; 03; Mw=0.07; 02; Mw=0.19; 03; Mw=0.20; 02; Best double couple: Co=7.74x10^17 NP1:0.259°, 85°, 1.22°; NP2:0.124°, 849°, 1.57°; Principal axes: T .79, P1g1.12°, Azm11°; N-.12, P1g24°, Azm280°; P-.68, P1g66°, Azm103°; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s.

IDC 05 20:21:13.2,0.4, 10.19S;161.20E, h89km, 2km, mb4.7/22, mb1 4.8/24, mb1mx4.7/26, Error ellipse: s-maj=12.6km s-min=9.4km az=125.0

NEIC 05 20:21:13.2,0.2, 10.13S;161.09E, mb5.3/25, Error ellipse: s-maj=4.6km s-min=4.9km az=120.0

SYO 05 20:21:13.2, 10.13S;161.09E, h88km, MB5.3, ISC 05 20:21:12.2,0.2, 10.14S;0.04, 161.05E;0.04, h89km, h89km, 8km, pp-P, n217, c0587/160, ms5.0/69, 11C-15D, Bougainville - Solomon Islands region

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

Table with columns for station name, coordinates, and various parameters. Includes stations like Nanjing, Kluang, Yuzh-Sakhalins, etc.

Table with columns for station name, coordinates, and various parameters. Includes stations like MAW, COLA, ILAR, etc.

Table with columns for station name, coordinates, and various parameters. Includes stations like CAF, MTLF, EPF, etc.

HRV05 02:34:21.9, 0.1, 20.725x173.24W, h12km, MW5.9/69, Centroid motion tensor solution. LP body waves: s67,c165; Mantle waves: s67,c143; Half duration: 2x0...

NEIC 05:20:34:21.9, 0.1, 20.445x173.94W, h8km, mb5.3/46, M5.9, MS6.0/105, MW6.2 Error ellipse: s-maj=7.6km...

ISC 05:20:34:21.9, 0.1, 20.475x174.11W, h52km, 22km, mb4.7/30, mb1.4/32, mb1mx4.8/32, ML5.4/2, MS5.6/10, Ms1.5/6/10...

ISC 05:20:34:20.5, 0.2, 20.535x174.879W, 0.04, h8km, (h34km, 4.9km; p-P), n508, 0105/248, mb5.2/87, MS6.0/132, 39C-25D, Tonga Islands

Table with columns for Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and ISC. Includes stations like RAR, RAR, RAR, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Tasmania Unive, Stephens Creek, POHA Pohakuloa, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like SKR, HOPS Hopland, MWC Mount Wilson, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like SSE, SSE, WVOR Wild Horse Val, etc.

KLR		eS	S	20 57 23.0 +1.8	
KLR		ePS	PS	20 58 15.5 -1.8	
KLR		pmx	pmx		
KLR	comp=Z,3um,10.0s				
KLR	comp=N,5um,13.0s	smax			
KLR	comp=E,2um,13.0s				
KLR	comp=N,2um,16.0s	MLR	MLR		
KLR	comp=Z,2um,16.0s,MS5.6	MLR	MLR		
PV01	Paradox Valley	84.59 46	eP	P	20 46 55.9 0.0
CN2	Changchun	84.72 321	eP	P	20 46 56.3 +0.1
CN2			eS	S	20 57 18.1 -4.8
CN2	comp=Z,30nm,1.6s,mb5.2		LR	LR	
CN2	comp=N,2um,18.0s,MS5.7		LR	LR	
CN2	comp=E,1um,18.0s,MS5.7		LR	LR	
CN2	comp=Z,2um,16.0s,MS5.6		LR	LR	
SNY	Shenyang	84.76 318	↑P	P	20 46 56.8 +0.2
SNY			PP	PP	20 50 10.5 -4.0
SNY			SKS	SKS	20 57 16.0 -6.0
SNY			AMB	AMB	
SNY	comp=Z,40nm,4.9s				
SNY	comp=N,2um,17.3s,MS5.7		LR	LR	
SNY	comp=E,1um,16.5s,MS5.7		LR	LR	
SNY	comp=Z,4um,16.7s,MS5.9		LR	LR	
MA2	Magadan	84.90 343c	iP	P	20 46 56.6 -0.3
MA2			e		20 50 14.5
MA2			eS	S	20 57 22.6 -1.6
MA2			ePS	PS	20 58 26.3 +5.3
MA2			eSS	SS	21 03 00.0 +0.3
MA2			pmx	pmx	
MA2	comp=Z,20nm,1.1s,mb5.2		MLR	MLR	
MA2	comp=Z,3um,18.0s,MS5.7				
MA2	Magadan	84.90 343	eP	P	20 46 56.2 -0.7
MA2	comp=Z,30nm,1.0s,mb5.4		LR	LR	
ANM	comp=Z,3um,19.0s,MS5.7				
COCO	West Island	85.08 4	eP	P	20 46 57.9 +0.2
COCO		85.14 259	↑P	P	20 47 10.0 +1.1
COCO			LR	LR	
NEW	Newport	85.19 34	P	P	20 46 57.4 -1.2
NEW	comp=Z,2.1nm,0.7s,mb4.4,baz=236,slow=7.3,SNR=3.4				20 46 57.4
RW3	Ridgway	85.25 46	P	P	20 47 00.7 +1.5
AHID	Auburn Hatcher	85.43 41	eP	P	20 47 00.5 +0.6
AHID	comp=Z,29nm,1.2s,mb5.3		LR	LR	
MCMT	McKenzie Canyo	85.53 39	eP	P	20 47 00.7 +0.3
WHN	Wuhan	85.60 305	↑P	P	20 47 02.8 +1.7
WHN			LR	LR	
WHN	comp=N,3um,18.0s,MS5.8		LR	LR	
WHN	comp=E,1um,18.0s,MS5.8		LR	LR	
TNA	Tin City	85.94 2	eP	P	20 47 01.8 -0.1
TNA	comp=Z,19nm,0.9s,mb5.3				20 47 13.9 +9.4
TNA			eP	P	
TNA			LR	LR	
CMIG	Matias Romero	86.03 70	eP	P	20 47 03.7 +0.2
MSO	Missoula	86.05 37	eP	P	20 47 03.0 0.0
MSO	comp=Z,17nm,1.4s,mb5.1		LR	LR	
TIA	Tai'an	86.18 311	eP	P	20 47 04.1 +0.3
TIA			S	S	20 57 30.2 -7.0
TIA			LR	LR	
KSWY	Kelly School	86.18 41	eP	P	20 47 03.6 0.0
MCK	McKinley	86.22 11	↑P	P	20 47 10.0 +6.6
MCK			LR	LR	
QLMT	Earthquake Lak	86.36 39	eP	P	20 47 04.8 +0.2
BW06	Boulder Array	86.38 42	eP	P	20 47 03.9 -0.8
BW06	comp=Z,9.6nm,1.2s,mb4.9		LR	LR	
PDAR	Pinedale Array	86.38 42	eP	P	20 47 04.5 -0.2
PLCA	Paso Flores	86.42 132	eP	P	20 47 05.8 +0.8
PLCA			MLR	MLR	
CHMT	Chamberlain Mo	86.49 37	eP	P	20 47 04.5 -0.7
SDCO	Great Sand Dun	86.50 48	eP	P	20 47 04.7 -0.7
SDCO	comp=Z,31nm,1.7s,mb5.3		LR	LR	
YMR	Madison River	86.55 40	eP	P	20 47 06.6 +1.2
DLBC	Dease Lake	86.62 21	P	P	20 47 05.1 -0.4
BOZ	Bozeman (W)	86.70 38	eP	P	20 47 05.4 -0.8
BOZ	comp=Z,3.3nm,1.0s,mb4.5,baz=182,slow=6.9,SNR=4.3				
BOZ			pmx	pmx	
BOZ	comp=Z,22nm,1.3s,mb5.2		MLR	MLR	
BOZ	comp=Z,8um,19.0s,MS6.1				
BOZ	Bozeman (W)	86.70 38	eP	P	20 47 05.4 -0.8
BOZ	comp=Z,22nm,1.3s,mb5.2		LR	LR	
SEY	Seymchan	87.33 345	eP	P	20 47 12.4 +3.6
SEY			S	S	20 50 33.2
SEY			pmx	pmx	20 57 35.7
SEY			pmx	pmx	20 57 53.7 +6.1
SEY	comp=Z,90nm,1.1s,mb5.9		smax		
JCT	Junction City	87.37 56	eP	P	20 47 11.4 +1.6
JCT			pmx	pmx	
JCT	comp=Z,16nm,1.1s,mb5.2		MLR	MLR	
JCT	comp=Z,7um,19.0s,MS6.1		eP	P	20 47 11.4 +1.7
JCT	comp=Z,16nm,1.1s,mb5.2		LR	LR	
JCT	comp=Z,7um,19.0s,MS6.1				
WALA	Waterton Lakes	87.37 35	eP	P	20 47 08.1 -1.2
ISCO	Idaho Springs	87.42 46	↑P	P	20 47 20.0 +1.0
ISCO	comp=Z,36nm,1.6s,mb5.3		LR	LR	
COLA	College	87.46 11	iP	P	20 47 09.1 -0.3
COLA	comp=Z,3um,20.0s,MS5.6		LR	LR	
SYO	Syowa Base	87.50 191	↑P	P	20 47 08.6 -0.9
SYO	Syowa Base	87.50 191	↑P	P	20 47 12.3 +0.4
SYO	Syowa Base	87.50 191	↑P	P	20 47 08.6 -0.9
SYO	Syowa Base	87.50 191	↑P	P	20 47 12.3 +0.4
ILAR	Eielson Array	87.54 11	P	P	20 47 09.6 -0.2
ILAR	comp=Z,9.6nm,0.9s,mb5.0,baz=222,slow=4.9,SNR=4.8		PP	PP	20 50 35.6 -1.6
IMA	Indian Mountain	87.68 8	eP	P	20 47 12.3 +1.9
UNA3	Neumayer Olymp	87.81 175	↑P	P	20 47 14.8 +3.8
UNA3	Neumayer Olymp	87.81 175	↑P	P	20 47 16.3 +5.3
UNA3	Neumayer Olymp	87.81 175	↑P	P	20 47 26.4 +1.5
UNA3	Neumayer Olymp	87.81 175	↑P	P	20 47 30.4 +1.9
UNA3	Neumayer Olymp	87.81 175	↑P	P	20 47 12.6 +1.6
UNA3	Neumayer Olymp	87.81 175	↑P	P	20 47 27.2 +1.6
UNA2	Neumayer-Watz	88.30 176	↑P	P	20 47 16.5 +3.2
UNA2	Neumayer-Watz	88.30 176	↑P	P	20 47 17.7 +4.4
UNA2	Neumayer-Watz	88.30 176	↑P	P	20 47 26.9 +1.4
UNA2	Neumayer-Watz	88.30 176	↑P	P	20 47 31.0 +1.8
DAWY	Dawson	88.48 14	eP	P	20 47 14.9 +0.6
UNA1	Neumayer-Stat	88.50 175	↑P	P	20 47 19.1 +4.8
UNA1	Neumayer-Stat	88.50 175	↑P	P	20 47 20.4 +6.1
UNA1	Neumayer-Stat	88.50 175	↑P	P	20 47 29.8 +1.6
UNA1	Neumayer-Stat	88.50 175	↑P	P	20 47 32.3 +1.8
BJT	Baijatiatau	88.65 314	P	P	20 47 16.8 +1.1
BJT			sP	sP	20 47 48.1 +2.9
BJT	Baijatiatau	88.65 314	eP	P	20 47 16.2 +0.5

BJT	comp=Z,15nm,0.9s	pmx	pmx		
BJT	Baijatiatau	88.65 314	eP	P	20 47 16.2 +0.5
BJI	Beijing	88.66 314	P	P	20 47 16.7 +1.0
BJI			AP	AP	20 47 27.0 +8.7
BJI			AMB	AMB	
BJI	comp=Z,30nm,2.2s,mb5.2		LR	LR	
BJI	comp=N,2um,16.0s		LR	LR	
EFI	East Falkland	88.93 146	↑P	P	20 47 30.0 +1.3
ENH	comp=Z,4um,19.0s,MS5.8		LR	LR	
ENH	Enshi	89.28 303	eP	P	20 47 19.4 +0.5
ENH	comp=Z,289nm,1.0s,mb5.0				
BILL	Bilibino	89.51 353	eP	P	20 47 19.1 0.0
BILL			pmx	pmx	
BILL	comp=Z,76nm,2.7s,mb5.5		P	P	20 47 18.9 -0.2
BILL	Bilibino	89.54 353	eP	P	20 47 18.9 -0.2
BILL	comp=Z,15nm,0.8s,mb5.4		P	P	20 47 22.0 +1.5
KKTK	Khon Kaen	89.56 288	P	P	20 47 21.9 -0.1
WMOK	Wichita Mouna	89.96 53	eP	P	20 47 21.9 -0.1
WMOK			pmx	pmx	
WMOK	comp=Z,11nm,1.3s,mb5.0		MLR	MLR	
WMOK	comp=Z,5um,20.0s,MS5.9				
WMOK	Wichita Mouna	89.96 53	eP	P	20 47 21.9 -0.2
WMOK	comp=Z,11nm,1.3s,mb5.0				
WMOK	comp=Z,5um,20.0s,MS5.9		LR	LR	
GYA	Guiyang	90.04 298	↑P	P	20 47 23.9 +1.3
GYA			AMB	AMB	
GYA	comp=Z,30nm,2.3s,mb5.2		LR	LR	
GYA	comp=N,2um,18.8s,MS5.8		LR	LR	
GYA	comp=E,3um,23.0s,MS5.8		LR	LR	
GYA	comp=Z,1um,16.5s		LR	LR	
HKT	Hockley	90.28 58	↑P	P	20 47 30.0 +6.4
HKT			LR	LR	
RSSD	Black Hills	90.54 43	eP	P	20 47 22.5 -1.9
RSSD			pmx	pmx	
RSSD	comp=Z,15nm,1.1s,mb5.2		MLR	MLR	
RSSD	comp=Z,1um,19.0s,MS5.4				
RSSD	Black Hills	90.54 43	eP	P	20 47 22.5 -1.9
RSSD	comp=Z,15nm,1.1s,mb5.2		LR	LR	
RSSD	comp=Z,1um,19.0s,MS5.4				
HIA	Hailar	91.00 323	P	P	20 47 27.0 +0.6
HIA			sP	sP	20 47 58.2 +2.8
HIA			SKSac		20 57 59.5
HIA	Hailar	91.00 323	eP	P	20 47 26.2 -0.2
HIA			pmx	pmx	
HIA	comp=Z,5.0nm,0.7s		eP	P	20 47 26.2 -0.2
HIA	comp=Z,4.6nm,0.7s,mb4.9				
CBKS	Cedar Bluff	91.01 49	↑P	P	20 47 40.0 +1.3
CBKS			P	P	
XAN	Xi'an	91.25 306	P	P	20 47 29.0 +1.1
XAN			XS	XS	20 58 37.0
XAN			SS	SS	21 04 33.7 +1.4
XAN	comp=N,1um,18.9s,MS5.7		LR	LR	
XAN	comp=E,2um,18.9s,MS5.7		LR	LR	
XAN	comp=Z,2um,18.9s,MS5.5		LR	LR	
HHC	Hu-ho-hao-te	92.16 313	eP	P	20 47 33.2 +1.2
HHC			AP	AP	20 47 38.1 +3.5
HHC			XP	XP	20 47 39.8 +4.4
HHC			PP	PP	20 51 14.4 -0.4
HHC			SKS	SKS	20 58 04.6 -3.7
HHC			S	S	20 58 40.7 +8.6
HHC			PS	PS	20 59 51.0 +2.5
HHC			SS	SS	21 04 44.6 -0.6
HHC			AMB	AMB	
HHC	comp=Z,24nm,2.0s,mb5.2		LR	LR	
HHC	comp=N,67nm,20.2s,MS5.3		LR	LR	
HHC	comp=E,957nm,19.0s,MS5.3				
NNA	Nana	92.32 104	↑P	P	20 47 40.0 +6.7
NNA			P	P	
NANT	Nan	92.33 289	↑P	P	20 47 34.0 +0.7
NANT	comp=Z,62nm,1.0s,mb5.9				
CLNS	Chul'man	92.48 331	eP	P	20 47 33.9 +0.8
CLNS			pmx	pmx	20 58 05.5
CLNS	comp=N,2.0nm,0.9s		pmx	pmx	
CLNS	comp=Z,4.0nm,0.9s,mb4.8		pmx	pmx	
CLNS	comp=E,2.0nm,1.0s		pmx	pmx	
CLNS	comp=Z,10.0nm,1.0s,mb5.1		pmx	pmx	
CLNS	comp=N,8.0nm,1.1s		pmx	pmx	
CLNS	comp=E,7.0nm,1.0s		pmx	pmx	
CLNS	comp=N,2um,14.2s		pmx	pmx	
CLNS	comp=Z,500nm,13.9s		pmx	pmx	
CLNS	comp=E,300nm,13.1s		MLR	MLR	
CLNS	comp=Z,2um,15.0s,MS5.6				
JTS	JuntasAbangare	92.56 80	P	P	20 47 34.3 -0.1
JTS	comp=Z,7.6nm,0.9s,mb5.1,baz=325,slow=3.9,SNR=3.3				
KMI	Kunming	92.82 296	↑P	P	20 47 37.6 +2.2
KMI			SKS	SKS	20 58 07.5 -4.9
KMI			S	S	20 58 35.6 -2.6
KMI			SS	SS	20 58 50.0
KMI			XS	XS	20 58 52.9 -2.5
KMI			AMB	AMB	
KMI	comp=Z,18nm,2.0s,mb5.2		LR	LR	
KMI	comp=N,2um,19.8s,MS5.9		LR	LR	
KMI	comp=E,4um,19.8s,MS5.9		LR	LR	
KMI	comp=Z,5um,20.8s,MS5.9				
BDT	Bhumibol Dam	93.30 287	P	P	20 47 40.0 +2.3
INK	Inuvik	93.34 14	P	P	20 47 36.5 -0.3
INK	comp=Z,7.4nm,0.9s,mb5.1,baz=208,slow=5.7,SNR=11				
INK	Inuvik	93.34 14	eP	P	20 47 35.8 -0.9
INK			pmx	pmx	
INK	comp=Z,28nm,1.5s				
INK	Inuvik	93.34 14	eP	P	20 47 35.8 -0.9
INK	comp=Z,28nm,1.5s,mb5.0				
CHRT	Chiangrai	93.52 190	↑P	P	2





IDC 05 21:20:44.0.0.8. 21.68S;66.12W, h269km,7km,mb3.7/10, m-b1 3.9/13, mb1mx3.9/16, Error ellipse: s-maj=22.3km s-min=12.0km az=69.0

ISC 05 21:20:42.3.0.7. 21.76S;05:05:66.25W,0.08,h265km,7km, h269km,1km;pp-P,n38,-1544/41,mb4.1/12,11C-5D,

Southern Bolivia

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

NIC 05 21:21:10.5.0.1, 37.04N;30.39E, h25km, ML3.3, MW2.8 ISK 05 21:21:10.4. 37.14N;30.40E, h73km, MD3.9

ISC 05 21:21:09.1. 2. 37.02N;0.06.30.37E.0.09, h91km, 22km, n15, c978/18, 3C, Turkey

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations in Turkey and other regions.

BGS 05 21:23:52.3. 1. 6. 35. 45N;72.58E, h191km MOS 05 21:24:00.4. 1. 1. 36. 56N;71.03E, h159km, mb6.6/47, M5.9/28, Error ellipse: s-maj=5.4km s-min=3.5km az=120.1

MOS Feit (III-IV) at Termez; (II-III) at Tashkent, Andizhan, Fergana, Namangan.

BJJ 05 21:24:01.5. 36.76N;70.98E, h173km, mb6.2, mb8.2 HRVD 05 21:24:04.0. 1. 36.52N;70.84E, h184km, MW6.5/77, Centroid moment Tensor Solution. LP body waves: s77, c207, Mantle waves: s73, c159; Half duration: 4.2

Moment tensor: Scale 1018Nm; M-r:3.41+-0.4; M-theta:4.1+-0.4; M-phi:1.0+-0.4; M-psi:3.66+-0.3; M-omega:5.43+-0.3; M-epsilon:1.9+-0.3; Best double couple: M-6.32x1018 NP1; phi:290; delta: 139; NP2:phi:58; delta: 108; Principal axes: T=6.35, P=5.35, N=1.08, Plg21; Azm65; P=8.28, Tg24; Azm164; nsta1 refers to body waves; cutoff=40s, nsta2 refers to mantle waves, cutoff=125s.

GUC 05 21:24:04.0. 0. 36.53N;71.03E, h191km, mb6.3(NEIC), MW6.6(NEIC)

NEIC 05 21:24:04.0. 1. 36.51N;71.03E, mb6.4/187, ME6.4, MW6.6, Error ellipse: s-maj=3.8km s-min=2.2km az=192.0 Broadband fault plane solution: P waves. NP1:phi:65, delta:70, 180; NP2:phi:272, delta:22, phi:116; Principal axes: T:Plg64,

Azm319; N:Plg0; Azm0; P:Plg24; Azm163; Moment Tensor Solution, s24 Moment tensor: Scale 1018 Nm; M-r:4.43, M-theta:5.20, M-phi:0.76, M-psi:4.62, M-omega:0.05, M-epsilon:3.6; Best double couple: M-7.5x1018 NP1:phi:293, delta:135; NP2:phi:64, delta:71, 170; Principal axes: T:7.72, Plg59; Azm307; N:-4.46, Plg19; Azm71; P:-7.26, Plg24; Azm170; Complex earthquake observed on broadband displacement seismograms. A large event is followed by a smaller event about 2 seconds later. Depth and focal mechanism from synthetics of broadband displacement seismograms based on first event. Energy computed from BS mechanism

NEIC At least one person killed in the Shahr-e Bozorg area and two people killed at Kabul. At least five people injured in Pakistan. Felt at Delhi and Gurugan, India; Srinagar, Kashmir; Islamabad and Lahore, Pakistan. Felt [IV] at Termez and [III] at Andijon, Fergana, Namangan and Tashkent, Uzbekistan.

IDC 05 21:24:04.1. 0. 4. 36.56N;71.10E, h190km, 22km, mb5.8/22, mb1 6.0/25, mb1mx5.0/25, MS5.5/3, Ms1 5.6/3, ms1mx4.9/25 Error ellipse: s-maj=9.2km s-min=6.3km az=42.0

IGL 05 21:24:05.6. 42.0. 36.47N;71.04E, h196km, MSS.8, MW7.0 DHMR 05 21:24:06.1. 2. 36.52N;71.04E, h187km, 99km, mb5.8/22, NNC 05 21:24:06.6. 3. 36.98N;70.87E, h194km, 29km, mpv7.2, Error ellipse: s-maj=33.0km s-min=23.5km az=29.0

KNET 05 21:24:24.3. 1. 36.12N;72.15E, h150km, 39km, ml6.6, Error ellipse: s-maj=19.0km s-min=16.5km az=74.0 PLV 05 21:24:35.5. 1. 6. 40. 19N;72.00E, h686km, 99km, ISC 05 21:24:01.0. 0. 2. 36.56N;0.01x71.00E.0.01, h166km, 22km, h185km, 8km;pp-P, n1436, c1910/1409, mb6.4/302, 301C-57D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations in Afghanistan-Tajikistan border region.

SMLA Simla 7.46 135 I/P S 21 25 52.6 +4.6 SMLA SMLA 7.22 12 P S 21 27 12.2 +0.8 AAA Alma-Ata 8.11 32 I/P S 21 25 55.0 -1.7 AAA AAA comp=Z,29um,8.0s pmax smax

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations in the Himalayas region.

SONA comp=E,11um,0.7s AML AML 21 28 06.9 VAN Vannovskaya 10.37 282 eP P 21 26 24.2 -2.1 AJM Ajmer 10.52 162 eP P 21 26 26.3 -1.9

AGRA Agra 11.01 146 eP P 21 26 32.0 -2.6 AJM AJM 11.01 146 eP P 21 26 32.0 -2.6 JHNI Jhansi 12.80 148 I/P S 21 29 08.0 -8.9 MK31 Makanchi Array 13.24 36 I/P P 21 27 02.8 -0.5 MKAR Makanchi Array 13.24 36 I/P P 21 27 02.8 -0.5

MKAR Makanchi Array 13.24 36 I/P P 21 27 02.8 -0.5 MKAR Makanchi Array 13.24 36 I/P P 21 27 02.8 -0.5 MKAR Makanchi Array 13.24 36 I/P P 21 27 02.8 -0.5

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Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists seismic stations in the Himalayas region.

NVS NVS 20.13 211 I/P P 21 29 22.8 -0.5 NVS NVS 20.13 211 I/P P 21 29 22.8 -0.5 NVS NVS 20.13 211 I/P P 21 29 22.8 -0.5

NVS NVS 20.13 211 I/P P 21 29 22.8 -0.5 NVS NVS 20.13 211 I/P P 21 29 22.8 -0.5 NVS NVS 20.13 211 I/P P 21 29 22.8 -0.5

NVS NVS 20.13 211 I/P P 21 29 22.8 -0.5 NVS NVS 20.13 211 I/P P 21 29 22.8 -0.5 NVS NVS 20.13 211 I/P P 21 29 22.8 -0.5

NVS NVS 20.13 211 I/P P 21 29 22.8 -0.5 NVS NVS 20.13 211 I/P P 21 29 22.8 -0.5 NVS NVS 20.13 211 I/P P 21 29 22.8 -0.5

NVS NVS 20.13 211 I/P P 21 29 22.8 -0.5 NVS NVS 20.13 211 I/P P 21 29 22.8 -0.5 NVS NVS 20.13 211 I/P P 21 29 22.8 -0.5

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Table with columns for station name, frequency, mode, and signal strength. Includes stations like SNY, XP, sP, 21 32 22.7 +0.9, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like PRU, eP, pP, 21 32 18.3 +2.4, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like TRI, Trieste, 43.25 301 eP, P, 21 31 47.5 +0.6, etc.





113 2004 APR 5d 21h

Table with columns: Station, Frequency, Power, Class, and Change. Includes stations like TFO1, PFM, PYM, WAL1, etc.

Table with columns: Station, Frequency, Power, Class, and Change. Includes stations like RTO, RESF, WME, WFB, etc.

Table with columns: Station, Frequency, Power, Class, and Change. Includes stations like EQES, BIPH, BIPH, DAV, etc.

Table with columns: KEDI, PTEO, Sao Teotonia, 61.71 297, eSn, P, 21 34 45.2 +2.5, 21 34 03.3 -0.1, etc.

Table with columns: PMR, comp=Z,700nm,1.1s,mb6.2, pmax, pmax, 21 35 35.5 0.0, 21 35 34.7 -0.9, etc.

Table with columns: MIDW, 89.02 55 eP, P, 21 36 37.5 -0.4, CTA, Charters Tower, 90.56 115 eP, P, 21 36 42.8 -2.5, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include stations like Yreka Blue Hor, Modoc, Forest Hill, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include stations like CAM3 Guarapari, CAM3 Sanae, CAM3 Snaae, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include stations like CLCH Cerro Calan, PCH Pirque, ROCH El Roble, etc.

DJA 05 22:40:55.2 0.7, 10.85S; 113.38E, h80km, MD4.7/k, ML5.3/4, Error ellipse: s-maj=21.9km s-min=5.7km az=166.0

ISC 05 22:40:55.0 0.8, 10.46S; 113.67E, mb4.0/10, mb1.4/2.1/1, mb1mx4.1/16, ML3.7/1, MS3.6/1, Ms1.3/6.1, ms1mx3.0/20, Error ellipse: s-maj=40.9km s-min=12.1km az=44.0

NEIC 05 22:41:01.2 0.7, 10.50S; 113.70E, h40km, mb4.7/3, Error ellipse: s-maj=15.4km s-min=9.5km az=56.0

BUI 05 22:41:01.1, 10.50S; 113.70E, h40km, mb5.0, mb4.9, MS5.1, MS25.2

ISC 05 22:40:59.7 1.3, 10.54S; 0.07-113.54E, 0.05, h44km, 11km, n39, r104/44, mb4.5/21, MS5.1/1, 3C-1D, South of Jawa

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

Table with columns: ILAR, Eielson Array, 55.20 31 P, 23 00 35.5 -4.2, 0.1nm, 0.3s, baz=325, slow=9.9, SNR=7.9

ISC 05 22:54:16.1 7.8, 12.53N; 93.77E, h128km, 68km, mb3.3/7, mb1.3/4.8, mb1mx3.3/15, Error ellipse: s-maj=67.9km s-min=18.3km az=59.0

ISC 05 22:54:16.3 1.0, 12.5N; 93.1, 93.9E, 1.0, h147km, 10km, n16, r164/17, mb3.5/8, Andaman Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC, ISC. Lists seismic stations for the Andaman Islands region.

ISC 05 23:00:26.0 7.0, 9.29, 29.21N; 139.29E, h387km, 14km, mb3.2/9, mb1.3/3.10, mb1mx3.1/22, Error ellipse: s-maj=28.5km s-min=16.3km az=67.0

JMA 05 23:00:26.0 2.0, 29.35N; 139.86E, h402km, M3.6

ISC 05 23:00:26.3 0.7, 29.20N; 139.4E, 0.2, h402km, 10km, n23, r076/30, mb3.5/12, Southeast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC, ISC. Lists seismic stations for the Southeast of Honshu region.

Table with columns: PDAR, Pinedale Array, 14.50 107 Pn, 23 27 18.3 +1.9, 0.1nm, 0.3s, baz=325, slow=9.9, SNR=7.9

NEIC 05 23:29:38.9 3.8, 20.75S; 178.75W, h631km, 45km, Error ellipse: s-maj=29.5km s-min=20.5km az=209.0

ISC 05 23:29:38.9 2.1, 20.75S; 178.80W, h626km, 27km, mb3.3/12, mb1.3/5.13, mb1mx3.3/17, Error ellipse: s-maj=21.5km s-min=11.9km az=163.0

ISC 05 23:30:36.2 4.2, 20.8S; 0.2-178.8W, 0.1, h608km, 32km, n26, r150/16, mb3.9/13, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC, ISC. Lists seismic stations for the Fiji Islands region.

ISC 05 23:48:17.5 6.7, 12.89N; 93.25E, h42km, 57km, mb3.7/11, mb1.3/9/12, mb1mx3.8/17, ML3.9/1, MS3.2/1, Ms1.3/4.1, ms1mx3.2/20, Error ellipse: s-maj=44.9km s-min=17.7km az=55.0

NEIC 05 23:48:18.9 3.9, 12.92N; 93.29E, h54km, 31km, mb4.4/1, Error ellipse: s-maj=35.0km s-min=12.8km az=53.0

ISC 05 23:48:16.7 0.9, 13.04N; 0.05-93.22E, 0.07, h47km, 11km, n23, r091/24, mb3.9/12, Andaman Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC, ISC. Lists seismic stations for the Andaman Islands region.

ISC 05 22:51:03.8 0.9, 34.03N; 134.59E, mb3.6/8, mb1.3/8/9, mb1mx3.6/23, ML2.9/1, MS3.0/1, Ms1.3/0.1, ms1mx2.7/38, Error ellipse: s-maj=19.9km s-min=17.0km az=163.0

JMA 05 22:51:06.0, 33.90N; 134.34E, h7km, 1km, M4.0

Broadband plan wave solution: P waves. NP1: 139°, 328°, 149°. NP2: 40°, 169°, 111°. Principal axes: T P1g1: Azm300°; N P1g1: Azm177°; P P1g1: Azm79°; JMA Felt III, J1

NEIC 05 22:51:10.3 1.4, 33.99N; 134.38E, h43km, 16km, mb4.4/1 Error ellipse: s-maj=21.3km s-min=13.4km az=148.0

NEIC Recorded [3 JMA] in Tokushima and [1 JMA] in Kochi Prefectures. Also recorded [1 JMA] in Hyogo and Wakayama Prefectures, Honshu

ISC 05 22:51:05.7 0.9, 33.87N; 0.04-134.35E, 0.04, h15km, 6km, n18, r080/28, mb3.8/2C-3D, Shikoku

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

ISC 05 23:23:48.7 1.6, 48.51N; 128.73W, mb3.2/2, mb1.3/7/9, mb1mx3.6/24, ML3.3/7, Error ellipse: s-maj=36.7km s-min=13.5km az=65.0

PGC 05 23:23:49.4, 49.60N; 128.71W, h10km, MLSn2.8/1, West of Vancouver Island, British Columbia

ISC 05 23:23:50.2 2.2, 48.70N; 0.05-128.53W, 0.09, h18km, 21km, n32, r086/35, mb3.0/1, 2D, Vancouver Island region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC, ISC. Lists seismic stations for the Vancouver Island region.

ISC 05 23:51:20.1 2.4, 20.9S; 0.1-178.5W, 0.1, h586km, 37km, mb4.3/2, Error ellipse: s-maj=21.4km s-min=15.8km az=198.0

ISC 05 23:51:21.9 1.8, 20.71S; 178.53W, h591km, 20km, mb3.6/13, mb1.3/9/14, mb1mx3.8/17, Error ellipse: s-maj=22.1km s-min=10.4km az=156.0

ISC 05 23:51:20.1 2.4, 20.9S; 0.1-178.5W, 0.1, h586km, 30km, n15, r084/25, mb4.1/15, 1D, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC, ISC. Lists seismic stations for the Fiji Islands region.

NEIC 05 23:51:20.7 3.2, 20.80S; 178.39W, h586km, 37km, mb4.3/2, Error ellipse: s-maj=21.4km s-min=15.8km az=198.0

ISC 05 23:51:21.9 1.8, 20.71S; 178.53W, h591km, 20km, mb3.6/13, mb1.3/9/14, mb1mx3.8/17, Error ellipse: s-maj=22.1km s-min=10.4km az=156.0

ISC 05 23:51:20.1 2.4, 20.9S; 0.1-178.5W, 0.1, h586km, 30km, n15, r084/25, mb4.1/15, 1D, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC, ISC. Lists seismic stations for the Fiji Islands region.













Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like FX1 Attu Island-F, LZH Lanzhou, MA2 Magadan, etc.

BUJ 06:06:14:46.1, 26.25N-96.67E, h86km, mb4.6
IDC 06:14:46.5, 9.26.51N-96.76E, h53km, mb1km, mb3.6/12, mb1.3, b13, mb1mx3.8, 18L, ML3.9/1, MS3.0/1, Ms1.3/2/1, ms1mx2.7/2/1, Error ellipse: s-maj=38.7km s-min=18.4km az=55.0

NEIC 06:14:50.7-1.9, 26.45N-96.64E, h94km-21km, Error ellipse: s-maj=36.4km s-min=10.5km az=55.0
ISC 06:14:45.5-2.1, 26.5N-101.963E-0.1, h63km-22km, n26, e=130/27, mb3.8/12, 1D, Myanmar

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like IMP Imphal, SHL Shillong, LSA Lhasa, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like ASAR Alice Springs, NOB NORSAR Subarra, NB2 NORSAR Array, etc.

IDC 06:05:50.4-7.6, 5.84S: 150.51E, h101km-47km, mb3.5/5, mb1.3, 7/6, mb1mx3.5/15, MS3.7/1, Ms1.3, 6/1, ms1mx2.9/17, Error ellipse: s-maj=60.7km s-min=32.2km az=95.0
ISC 06:05:50.2-4.4, 5.85S: 150.2-150.6E-0.3, h101km-33km, n7, e=887/8, mb3.6/5, 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, WBG Warramunga Arr, WRA Warramunga Arr, etc.

LDG 06:07:15:58.3-0.2, 19.03S: 168.36E, h10km, Mb4.6/2, Error ellipse: s-maj=22.6km s-min=3.5km az=111.0
MOS 06:07:15:59.6, 1.4, 19.25S: 168.76E, h33km, mb5.0/1, Error ellipse: s-maj=37.1km s-min=30.0km az=118.1

NEIC 06:07:16:01.9-0.3, 19.55S: 168.83E, mb4.8/5, Error ellipse: s-maj=15.5km s-min=9.9km az=128.0
IDC 06:07:16:01.3-0.7, 19.43S: 169.33E, h30km-5km, mb4.1/14, mb1.4, 3/14, mb1mx2.1/2.16, MS3.9/11, Ms1.3/9/11, ms1mx3.7/19, Error ellipse: s-maj=20.7km s-min=14.7km az=149.0

ISC 06:07:16:01.9-1.2, 19.56S-0.06: 168.71E-0.09, h58km-10km, h42km-1.0km, p-P, n96, e=677/43, mb4.3/18, MS3.8/11, 11C-7D, Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like BKM Butte a Klehm, DZM Dzum Dzum, NOUC Port Laguerre, etc.

WRA Warramunga Arr 32.31 263 P P 07 22 27.2 -0.6
WRA Warramunga Arr 32.31 263 P P 07 22 27.2 -0.6

WRA Warramunga Arr 32.31 263 P P 07 22 27.2 -0.6
WRA Warramunga Arr 32.31 263 P P 07 22 27.2 -0.6

WRA Warramunga Arr 32.31 263 P P 07 22 27.2 -0.6
WRA Warramunga Arr 32.31 263 P P 07 22 27.2 -0.6

WRA Warramunga Arr 32.31 263 P P 07 22 27.2 -0.6
WRA Warramunga Arr 32.31 263 P P 07 22 27.2 -0.6

WRA Warramunga Arr 32.31 263 P P 07 22 27.2 -0.6
WRA Warramunga Arr 32.31 263 P P 07 22 27.2 -0.6

WRA Warramunga Arr 32.31 263 P P 07 22 27.2 -0.6
WRA Warramunga Arr 32.31 263 P P 07 22 27.2 -0.6

WRA Warramunga Arr 32.31 263 P P 07 22 27.2 -0.6
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WRA Warramunga Arr 32.31 263 P P 07 22 27.2 -0.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like LDFC Landair, ILAR Eielson Array, TUC Tucson, etc.

IDC 06:07:32:48.2-0.7, 5.05S: 127.24E, mb4.5/9, mb1.4/6/10, mb1mx4.5/13, ML1.6/1, MS3.8/5, Ms1.3.8/5, ms1mx3.4/12, Error ellipse: s-maj=25.5km s-min=17.4km az=91.0
NEIC 06:07:32:50.2-0.3, 5.02S: 127.18E, h10km, mb4.6/3, Error ellipse: s-maj=13.8km s-min=7.6km az=100.0

ISC 06:07:32:48.1-0.4, 5.01S-0.05: 127.22E-0.1, h10km, h2.2km-1.0km, p-P, n50, e=65/29, mb4.8/17, MS3.8/5, 1C-3D, Western Indian-Antarctic Ridge, Time, Res

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like ADE Adelaide, NWA0 Narrogin (SRO), STKA Stephens Creek, etc.

WRA Warramunga Arr 32.31 263 P P 07 22 27.2 -0.6
WRA Warramunga Arr 32.31 263 P P 07 22 27.2 -0.6

WRA Warramunga Arr 32.31 263 P P 07 22 27.2 -0.6
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WRA Warramunga Arr 32.31 263 P P 07 22 27.2 -0.6













Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like WETZ, CADS, KBA, BSEGE, MOX, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like AGO, PBM, LYL, TCF, LDF, CAF, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like TXAR, SNA, QSPA, VNA, VNA1, VNA3, etc.



Table with columns: Call sign, Name, Frequency, Mode, SNR, Azimuth, Elevation, and other parameters. Includes stations like WMQ, ZAL, ZAL, ZAL, etc.

Table with columns: Call sign, Name, Frequency, Mode, SNR, Azimuth, Elevation, and other parameters. Includes stations like JIOW, JIOW, JIOW, etc.

Table with columns: Call sign, Name, Frequency, Mode, SNR, Azimuth, Elevation, and other parameters. Includes stations like HHC, MAJO, MAT, etc.

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

Table with columns: Call sign, Name, Frequency, Mode, SNR, Azimuth, Elevation, and other parameters. Includes stations like JIOW, JIOW, JIOW, etc.

Table with columns: Call sign, Name, Frequency, Mode, SNR, Azimuth, Elevation, and other parameters. Includes stations like HHC, MAJO, MAT, etc.



IDC 06 15:06:32.1-15.0, 23.26S-178.81W, h515km, 134km, mb3.3/5, mb1 3.4/6, mb1mx3.2/16, Error ellipse: s-maj=208.0km s-min=76.7km az=55.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like URZ Urewera, CTA Charters Tower, STKA Stephens Creek, ASAR Alice Springs, WB2 Warramunga Arr, WRA Warramunga Arr, FITZ Fitzroy Crossi.

DJA 06 15:41:34.3-1.0, 9.52S-116.25E, h15km, MD5.5/3, ML3.9/3, 3C-3D, Error ellipse: s-maj=19.9km s-min=13.5km az=151.0, Sumba region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like KEDI Kedomdongs, KEDI 199nm.0.2s, RATI Rata, RATI 12nm.0.2s, INGI Ingas, INGI 151nm.0.2s.

IDC 06 15:48:14.5-25.0, 15.88S-174.29W, mb4.5/4, mb1 4.6/4, mb1mx3.9/15, 1D, Error ellipse: s-maj=472.0km s-min=145.6km az=71.0, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like CTA Charters Tower, STKA Stephens Creek, STKA 2.9nm.0.6s, WB2 Warramunga Arr, WRA Warramunga Arr, AS12 Alice Springs, ASAR Alice Springs, KAKA Kakadu, FITZ Fitzroy Crossi.

JMA 06 16:01:01.9-0.3, 24.23N-121.97E, h34km, M2.1 TAP 06 16:01:02.1, 24.42N-121.90E, h14km, ML2.9 TAP Feit III J at Nanau, ISC 06 16:01:01.3-0.5, 24.42N-121.99E, 0.02, h12km, 3km, n35, c087/57, 7D, Taiwan

Large table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like ENA Nanau, TWC Suao, ILA Ilan, TWE Neicheng, ENTT Nioudou, TWD Chiawan, TWT Nan Shan, TWB1 Santiaho Chiao, NSK Sanguang, NWF Wu-fen Shan, WHF Hehuan Shan, TAP1 Taipei, TAP2 Tachien, ESL Shilin, TWS1 Kuangyinsinshan, NKS Nanjuang, TWY Chenhua, YOJ Yonaguni jima, WDT Danda, TWQ1 Liyutan, SMLT Sun Moon Lake, TYC Yuchir, TWF1 Yuli, AJS Alishan, CHNS Tsauling, ELDTW Lidau, IRIF Iriomote-Funau, IRIF Taushan, CHINA STYT, TWK Hsinying, JKRS Kuro-shima, JKS Jiashian, SGST Ishigaki jima, JIJ Tarama.

WAR 06 16:07:48.0, 50.36N-18.86E, ML2.6, Mining Induced PRU 06 16:07:50.6, 50.33N-18.73E, ISC 06 16:07:47.4-0.8, 50.41N-18.78E, 0.04, n8, c085/13, Poland

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like OJC Ojcow, OKC Ostrava-Krasne, OKC Niedzica, DPC Dobruska-Polom, KSP Ksiadz, PRU Pruhonice, KHC Kasperske Hory.

IDC 06 16:32:19.4-9.7, 6.66S-154.83E, h431km, 127km, mb3.0/4, mb1 3.2/5, mb1mx3.0/15, Error ellipse: s-maj=153km s-min=49.6km az=115.0, ISC 06 16:32:16.9-3.4, 6.55-0.2, 154.6E-0.7, h400km, n7, c0543/7, mb3.4/4, Bougainville - Solomon Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like CTA Charters Tower, WB2 Warramunga Arr, WRA Warramunga Arr.

Table with columns: ASAR Alice Springs, FITZ Fitzroy Crossi, SONMI Songhino Array, MKAR Makanchi Array.

IDC 06 16:33:54.6-1.9, 21.98S-179.56W, h582km, 19km, mb3.8/11, mb1 4.0/12, mb1mx3.9/15, Error ellipse: s-maj=21.5km s-min=14.2km az=151.0, NEIC 06 16:34:00.8-1.4, 22.00S-179.84W, h654km, 16km, mb4.3/5, Error ellipse: s-maj=10.4km s-min=7.7km az=135.0, ISC 06 16:33:53.9-1.8, 22.23S-179.67W, 0.08, h586km, 23km, n79, c090/51, mb4.4/16, 4C-5D, South of Fiji Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like DZM Mont Dzumac, PUZ Puketiti, URZ Urewera, URZ 3.9nm, URZ 3.9nm, THZ Topohouse, ARMA Armidale, CTA Charters Tower, CTA Charters Tower, PMG Port Moresby, STKA Stephens Creek, STKA Stephens Creek, STKA 14nm, AS12 Alice Springs, ASAR Alice Springs, ASAR 0.2nm, ASAR 1.4nm, ASAR Alice Springs, ASAR Alice Springs, WB2 Warramunga Arr, WB2 Warramunga Arr, WRAB Tennant Creek, WRAB Fitzroy Crossi, WRA Warramunga Arr, WRA Warramunga Arr, WRA 3.0nm, WRA 1.3nm, KAKA Kakadu, PORT Forrest, FITZ Fitzroy Crossi, VANDA Vanda, GSPA South Pole Qui, YBH Freka Blue Hor, GLA Glamis, HUMO Hill Mountain, NVAR Mila Array, TUC Tucson, FMW Mount Fremont, VNA3 Neumayer Olymp, VNA3 Neumayer-Watz, VNA1 Neumayer-Stat, H2OWA Water, GBL Gable Mountain, RPW Rockport, WTV Waterville, NLU Nelson Butte, SRB San Rafael, MNTX Cornudas Mount, CMAR Chiang Mai Arr, TXAR Lajitas Array, GDL2 Guadalupe Moun, ILAR Eielson Array, CPXK Cap Rock, PDAR Pinedale Array, DAWY Dawson, YKA Yellowknife Arr, YKA Yellowknife Arr, YKA Yellowknife Arr, ZAL Zalesovo, MKAR Makanchi Array, MKAR Makanchi Array, CHK Chkalovo, BVAR Borovoye Array, SPITS Spitsbergen Arr, KEV Kevo, ARCES ARCES Array B, JOF Joensuu, KAF Kangasniemi, FINES FINESS Array B, FINES FINESS Array B, FINES FINESS Array B, NOA NORSTAR Array B, HFS Hagfors, KWP Kalwaria, OJC Ojcow, CRV Cervenica-Dubn, NIE Niedzica, MLR Mielie Rosu, KSI Ksiadz, OKC Ostrava-Krasne, DPC Dobruska-Polom, CLL Collim, CLL Collim, BRG Berggiesshubel, PVCC Panska Ves, VRAC Vranov, PRU Pruhonice, NOV Novy Kostel, KHC Kasperske Hory, GERES GERES Array B, GERES GERES Array B.

IDC 06 16:45:54.2-1.7, 7.80S-127.21E, h129km, 135km, mb2.9/1, mb1 3.4/4, mb1mx3.2/13, ML3.7/3, Error ellipse: s-maj=92.1km s-min=56.3km az=35.0, ISC 06 16:45:53.0-3.5, 7.85S-0.1, 127.1E-0.2, h134km, 38km, n4, c152/7, mb3.0/1, 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 0.4nm, WRA Warramunga Arr, WRA 0.8nm, ASAR Alice Springs, ASAR 0.2nm, ASAR 0.1nm, MKAR Makanchi Array.

IDC 06 17:09:31.4-9.7, 7.02S-127.61E, h399km, 89km, mb3.3/1, mb1 3.0/4, mb1mx2.8/13, Error ellipse: s-maj=105.0km s-min=84.3km az=13.0, ISC 06 17:09:28.0-3.1, 6.95S-0.3, 127.3E-0.3, h418km, 31km, n6, c097/7, mb3.5/1, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like KAKA Kakadu, FITZ Fitzroy Crossi, WRA Warramunga Arr, WRA 0.1nm, WB2 Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, MDD 06 17:25:40.7-1.0, 3.05S-15N-3.94W, h7km, 10km, mb3.8/12, Error ellipse: s-maj=8.0km s-min=4.9km az=166.0, PRXIMO AftershockPLICA, NEIC 06 17:25:41.5, 3.05S-15N-3.90W, h19km, MG3.7(MDD), After MDD, ISC 06 17:25:39.3-0.5, 35.20N-0.03, 3.99W-0.03, h10km, n46, c1820/83, Strait of Gibraltar

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like EMEL Melilla, EMEL 130nm, MELI Melilla, MELI 0.87, REAL Reales, EJJF Jimena Fronter, ERON Agron, ERON 9.4nm, ERON Agron, EBER Berja, EBER 5.4nm, EBER 26nm, EBER Berja, EBER 1.91, IFR Ifrane, IFR 1.93, ELOJ Sierra Loja, ELOJ 4.2nm, ELOJ Sierra Loja, ELIJ Sierra de Lija, ELIJ 3.8nm, ELIJ Sierra de Lija, ELIJ 3.5nm, LJJA Lijar, ECOG Cogollos-Vega, ECOG 6.6nm, ECOG Cogollos-Vega, ECOG 6.6nm, ECOG Cogollos-Vega, ESOJ Sotomayor, ESPR Espera, ESPR 2.2nm, ESPR Espera, ELUO Luque, ELUO 7.0nm, ELUO Luque, ELUO Luque, ELUO Luque, EQES Quesada, EQES 6.3nm, EQES Quesada, EQES Quesada, EQES Hornachuelos, EHOR Horachuelos, EHUE Huescar, EHUE 2.0nm, EHUE Huescar, EHUE Huescar, EBAN Banos Encina, EADA Adan, EADA 2.7nm, EADA Adan, EADA Adan, EADA Adan, EMIN Mina Concepcio, EMIN 0.2nm, EMUR La Murta, EMUR 8.6nm, PALC Alcoutim, PALC 3.61, PALC Alcoutim, PALC 8.0nm, PALC Alcoutim, PALC 3.61, EVIA Vianos, EGRO El Granado, EGRO 3.8nm, EGRO El Granado, EGRO 11nm, EGRO El Granado, ETOB Tobarra, ETOB 3.1nm, ETOB Tobarra, ETOB Tobarra, PBEJ Beja, ESDC Seneca Array, ESDC 2.1nm, ESDC Seneca Array, ESDC 0.9nm, ESDC Seneca Array.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like KAKA Kakadu, PORT Forrest, FITZ Fitzroy Crossi, VANDA Vanda, GSPA South Pole Qui, YBH Freka Blue Hor, GLA Glamis, HUMO Hill Mountain, NVAR Mila Array, TUC Tucson, FMW Mount Fremont, VNA3 Neumayer Olymp, VNA3 Neumayer-Watz, VNA1 Neumayer-Stat, H2OWA Water, GBL Gable Mountain, RPW Rockport, WTV Waterville, NLU Nelson Butte, SRB San Rafael, MNTX Cornudas Mount, CMAR Chiang Mai Arr, TXAR Lajitas Array, GDL2 Guadalupe Moun, ILAR Eielson Array, CPXK Cap Rock, PDAR Pinedale Array, DAWY Dawson, YKA Yellowknife Arr, YKA Yellowknife Arr, YKA Yellowknife Arr, ZAL Zalesovo, MKAR Makanchi Array, MKAR Makanchi Array, CHK Chkalovo, BVAR Borovoye Array, SPITS Spitsbergen Arr, KEV Kevo, ARCES ARCES Array B, JOF Joensuu, KAF Kangasniemi, FINES FINESS Array B, FINES FINESS Array B, FINES FINESS Array B, NOA NORSTAR Array B, HFS Hagfors, KWP Kalwaria, OJC Ojcow, CRV Cervenica-Dubn, NIE Niedzica, MLR Mielie Rosu, KSI Ksiadz, OKC Ostrava-Krasne, DPC Dobruska-Polom, CLL Collim, CLL Collim, BRG Berggiesshubel, PVCC Panska Ves, VRAC Vranov, PRU Pruhonice, NOV Novy Kostel, KHC Kasperske Hory, GERES GERES Array B, GERES GERES Array B.

IDC 06 16:45:54.2-1.7, 7.80S-127.21E, h129km, 135km, mb2.9/1, mb1 3.4/4, mb1mx3.2/13, ML3.7/3, Error ellipse: s-maj=92.1km s-min=56.3km az=35.0, ISC 06 16:45:53.0-3.5, 7.85S-0.1, 127.1E-0.2, h134km, 38km, n4, c152/7, mb3.0/1, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like KAKA Kakadu, PORT Forrest, FITZ Fitzroy Crossi, VANDA Vanda, GSPA South Pole Qui, YBH Freka Blue Hor, GLA Glamis, HUMO Hill Mountain, NVAR Mila Array, TUC Tucson, FMW Mount Fremont, VNA3 Neumayer Olymp, VNA3 Neumayer-Watz, VNA1 Neumayer-Stat, H2OWA Water, GBL Gable Mountain, RPW Rockport, WTV Waterville, NLU Nelson Butte, SRB San Rafael, MNTX Cornudas Mount, CMAR Chiang Mai Arr, TXAR Lajitas Array, GDL2 Guadalupe Moun, ILAR Eielson Array, CPXK Cap Rock, PDAR Pinedale Array, DAWY Dawson, YKA Yellowknife Arr, YKA Yellowknife Arr, YKA Yellowknife Arr, ZAL Zalesovo, MKAR Makanchi Array, MKAR Makanchi Array, CHK Chkalovo, BVAR Borovoye Array, SPITS Spitsbergen Arr, KEV Kevo, ARCES ARCES Array B, JOF Joensuu, KAF Kangasniemi, FINES FINESS Array B, FINES FINESS Array B, FINES FINESS Array B, NOA NORSTAR Array B, HFS Hagfors, KWP Kalwaria, OJC Ojcow, CRV Cervenica-Dubn, NIE Niedzica, MLR Mielie Rosu, KSI Ksiadz, OKC Ostrava-Krasne, DPC Dobruska-Polom, CLL Collim, CLL Collim, BRG Berggiesshubel, PVCC Panska Ves, VRAC Vranov, PRU Pruhonice, NOV Novy Kostel, KHC Kasperske Hory, GERES GERES Array B, GERES GERES Array B.

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KIV	comp=E,80nm,3.3s	MLR	MLR		
KIV	comp=Z,1um,19.0s,MS5.0				
KIV	comp=N,970nm,18.0s	MLR	MLR		
AHID	Auburn Hatcher 49.97 291 eP	P	P	21 48 56.7 +1.7	
AHID	comp=N,27nm,1.3s,mb5.1				
AHID	comp=Z,3um,19.0s,MS5.4	LR	LR		
SDCO	Great Sand Dun 49.97 282 eP	P	P	21 48 55.6 +0.5	
SDCO	comp=Z,84nm,2.1s,mb5.4				
SDCO	comp=Z,5um,21.0s,MS5.5	LR	LR		
PYA	Pyatigorsk 49.99 67 iP	P	P	21 48 55.0 -0.2	
PYA	comp=Z,3um,19.0s,MS5.2	eS	S	21 50 52.0	
PYA	comp=E,1um,14.0s	smax		21 56 06.0 +1.4	
PYA	comp=Z,2um,19.0s,MS5.2	MLR	MLR		
PYA	comp=N,2um,18.0s	MLR	MLR		
ARU	Arti 50.11 46d iP	P	P	21 48 55.8 -0.1	
ARU	comp=Z,42nm,1.2s,mb5.3	pmax	pmax		
ARU	comp=Z,42nm,1.2s,mb5.3	MLR	MLR		
GUMT	comp=Z,2um,16.0s,MS5.2	LR	LR		
DPW	Gumtane 50.24 73 P	P	P	21 48 58.1 +1.0	
DPW	Davenport 50.63 300 eP	P	P	21 48 58.4 -0.6	
SVE	Sverdlövsk 50.77 45 iP	P	P	21 49 00.0 -0.8	
SVE	comp=Z,2um,19.0s,MS5.2	eS	S	21 56 16.0 +1.0	
SVE	comp=Z,2um,19.0s,MS5.2	pmax	pmax		
EZC	Erzincan 50.91 73 P	P	P	21 49 01.7 -0.4	
HWUT	Hardware Ranch 50.98 290 eP	P	P	21 49 02.2 -0.5	
HWUT	comp=Z,46nm,1.2s,mb5.3				
HWUT	comp=Z,2um,19.0s,MS5.2	LR	LR		
MYA	Malatya 51.03 76 P	P	P	21 49 04.0 +0.9	
GAZ	Gaziantep 51.08 77 P	P	P	21 49 04.2 +0.7	
GZT	Gaziantep 51.17 77 iP	P	P	21 49 04.6 +0.4	
ELZG	Elazig 51.24 75 eP	P	P	21 49 05.5 +0.1	
ZEI	Tsey 51.27 68 eS	S	S	21 56 33.0 +1.1	
ZEI	comp=Z,400nm,4.0s	pmax	pmax		
ZEI	comp=Z,2um,20.0s,MS5.2	MLR	MLR		
HLID	Hailey 51.32 294 eP	P	P	21 49 05.8 +0.5	
HLID	comp=Z,24nm,1.4s,mb4.9	LR	LR		
HLID	comp=Z,2um,20.0s,MS5.1	LR	LR		
JCT	Junction City 51.52 271 eP	P	P	21 49 06.4 -0.6	
JCT	comp=Z,7.9nm,0.8s,mb4.7	LR	LR		
JCT	comp=Z,3um,19.0s,MS5.4	LR	LR		
PV01	Paradox Valley 51.53 285 eP	P	P	21 49 02.7 -4.1	
JLU	Jordanelle 51.57 289 eP	P	P	21 49 08.0 +0.8	
DAU	Daniels Canyon 51.58 289 eP	P	P	21 49 07.9 +0.6	
NLW	Nelson Butte 51.62 301 eP	P	P	21 49 06.2 -1.2	
EZM	Erzurum 51.62 72 iP	P	P	21 49 10.2 +2.6	
PV10	Paradox Valley 51.64 285 eP	P	P	21 49 08.7 +0.9	
WTY	Waterville 51.66 301 P	P	P	21 49 06.5 -1.2	
SPUT	South Promont 51.68 290 eP	P	P	21 49 08.4 +0.5	
ILAR	Eielson Array 51.68 330 P	P	P	21 49 07.1 -0.6	
ILAR	comp=Z,1.3nm,0.9s,mb4.9,baz=43,slo=5.8,SNR=58	PcP	PcP	21 50 20.0 -1.4	
ILAR	comp=Z,6.1nm,0.7s,baz=10.0,slo=2.6,SNR=13	LR	LR	21 50 26.1	
ILAR	comp=Z,550nm,18.4s,MS4.6,baz=69,slo=35	LR	LR	21 49 47.0	
ILAR	comp=Z,0.4nm,0.8s,baz=24.2,slo=2.3,SNR=5.7	PcP	PcP	21 50 20.0 -1.4	
ILAR	Eielson Array 51.68 330 P	P	P	21 49 07.1 -0.6	
ILAR	comp=Z,2um,20.0s,MS5.2	PcP	PcP	21 50 20.0 -1.4	
ILAR	comp=Z,2um,20.0s,MS5.2	LR	LR	21 50 26.1	
ILAR	comp=Z,2um,20.0s,MS5.2	LR	LR	21 49 47.0	
ERZM	Erzurum 51.70 72 iP	P	P	21 49 10.0 +1.8	
BINT	Bingo 51.87 74 iP	P	P	21 49 10.9 +1.4	
COLA	College 51.90 330d iP	P	P	21 49 08.7 -0.7	
COLA	College 51.90 330 eP	P	P	21 49 09.1 -0.3	
COLA	College 51.90 330 eP	P	P	21 49 09.1 -0.3	
COLA	comp=Z,687nm,20.0s,MS4.7	LR	LR		
ETW	Entiat 51.91 301 P	P	P	21 49 08.1 -1.6	
LNOR	Linton Mounta 51.95 298 eP	P	P	21 49 08.8 -1.2	
BRU	San Rafael 52.02 287 eP	P	P	21 49 10.3 -0.3	
TIC	Toumudi 52.06 141 eP	P	P	21 49 10.8 -0.4	
MPU	Maple Canyon 52.06 288 eP	P	P	21 49 11.6 +0.7	
CPRX	Cap Rock 52.20 277 eP	P	P	21 49 12.3 +0.3	
BGU	Big Grassy Mou 52.29 290 eP	P	P	21 49 11.7 -0.7	
TEIG	Tepeh 52.26 253 LR	LR	LR	21 49 11.7 -0.7	
HAWA	Hanford 52.27 299 eP	P	P	21 49 11.1 -1.4	
HAWA	comp=Z,8.9nm,1.0s,mb4.7				
HAWA	comp=Z,2um,20.0s,MS5.2	LR	LR		
VRT	Varto 52.31 73 iP	P	P	21 49 15.0 +2.2	
DIY	Diyarbakir 52.37 75 P	P	P	21 49 14.5 +1.2	
KIC	Kosan Boka 52.42 141 eP	P	P	21 49 12.7 -1.3	
TIZ	Plekhanov 52.43 68 iP	P	P	21 49 14.4 +0.8	
TIZ	comp=Z,90nm,1.2s,mb5.6				
ANMO	Albuquerque 52.43 280 P	P	P	21 49 14.8 +1.1	
ANMO	Albuquerque 52.43 280i P	P	P	21 56 42.0	
ANMO	Albuquerque 52.43 280 eP	P	P	21 49 14.4 +0.6	
ANMO	Albuquerque 52.43 280 eP	P	P	21 49 14.2 +0.4	
ANMO	comp=Z,39nm,1.6s,mb5.1	e	e	21 49 25.6	
ANMO	comp=Z,5um,19.0s,MS5.5	LR	LR		
LIC	Lamto 52.44 142 eP	P	P	21 49 10.2 -3.9	
LIC	comp=Z,44nm,1.0s,mb5.3				
EBG	Ellensburg 52.48 300 P	P	P	21 49 13.2 -0.8	
IMA	Indian Mountain 52.71 333 eP	P	P	21 49 15.4 0.0	
SIT	Sitka 52.78 318 PFAKE	P	P	21 49 30.0 +1.4	
SIT	comp=Z,2um,19.0s,MS5.2	LR	LR		
LPM	Los Pinos Moun 52.97 280 eP	P	P	21 49 19.2 +1.4	
BEST	Besiri 52.99 74 iP	P	P	21 49 18.4 +0.5	
MCK	McKinley 53.05 329 eP	P	P	21 49 17.4 -0.5	
GD12	comp=Z,40nm,1.3s,mb5.2				
BNM	Barren Site 53.07 276 eP	P	P	21 49 19.1 +0.4	
MAK	Makhachkala 53.16 65 eP	P	P	21 49 19.9 +0.8	
MAK	comp=Z,2um,20.0s,MS5.2	e	e	21 51 22.0	
MAK	comp=Z,2um,20.0s,MS5.2	ePPP	PPP	21 52 26.0 -0.6	
MAK	comp=Z,2um,20.0s,MS5.2	eS	S	21 56 53.0 +5.0	
MAK	comp=Z,1um,3.5s	pmax	pmax		
MAK	comp=N,1um,10.0s	smax			
MAK	comp=E,2um,10.0s	smax			
MAK	comp=Z,2um,14.0s,MS5.2	MLR	MLR		
MAK	comp=N,2um,16.0s,MS5.5	MLR	MLR		
MAK	comp=Z,2um,16.0s,MS5.5	MLR	MLR		
LAZ	Ladron 53.21 280 eP	P	P	21 49 20.0 +0.4	
GNW	Green Mountain 53.23 302 eP	P	P	21 49 19.3 -0.2	
LON	Longire 53.27 280 eP	P	P	21 49 17.5 -2.1	
LENM	Lemitar 53.27 280 eP	P	P	21 49 21.3 +1.2	
MSU	Marysville 53.38 287 eP	P	P	21 49 21.1 +0.3	
OCWA	Ocupus Mount 53.40 303 eP	P	P	21 49 24.1 +0.4	
OCWA	comp=E,42nm,1.0s,mb5.3	LR	LR		
OCWA	comp=Z,2um,21.0s,MS5.1	LR	LR		
BMW	Boistfort Moun 54.15 302 P	P	P	21 49 25.5 -0.8	
ASF	Jabal al Asfar 54.33 62 P	P	P	21 49 28.2 +0.4	
WVOR	Wild Horse Val 54.40 295 eP	P	P	21 49 28.2 0.0	
WVOR	comp=Z,26nm,1.0s,mb5.1	LR	LR		
WVOR	comp=Z,2um,20.0s,MS5.2	LR	LR		
PMR	Palmer 54.68 328 eP	P	P	21 49 30.3 +0.4	
LTX	Lajitas 54.69 273 PFAKE	P	P	21 49 40.0 +1.0	
LTX	comp=Z,2um,20.0s,MS5.1	LR	LR		
TXAR	Lajitas Array 54.69 273 P	P	P	21 49 29.8 -0.6	
TXAR	comp=Z,2.4nm,0.9s,mb4.2,baz=45,slo=7.1,SNR=6.8	LR	LR	22 13 17.5	
TXAR	comp=Z,2um,18.8s,MS5.1,baz=10.0,slo=3.7	LR	LR	22 13 17.5	
KMOR	Kings Mountain 54.85 301 P	P	P	21 49 30.9 -0.6	

PWA	Palmer West 54.87 328 eP	P	P	21 49 31.6 +0.2	
EIL	Elat 54.93 86 P	P	P	21 49 32.1 -0.2	
EIL	comp=Z,7.7nm,0.9s,mb4.7,baz=297,slo=4.5,SNR=5.8	P	P	21 49 30.1 -2.1	
EIL	Elat 54.93 86 eP	P	P	21 49 30.1 -2.1	
WUAZ	Wupatki 54.95 284 eP	P	P	21 49 33.2 +0.8	
WUAZ	comp=Z,53nm,1.5s,mb5.3				
WUAZ	Quarayut al Mil 55.19 83 e	P	P	21 49 45.5	
QURS	Tiksi 55.29 6j eP	P	P	21 49 34.4 +0.6	
TIXI	comp=Z,300nm,19.0s,MS4.4	MLR	MLR	21 49 34.5 +0.1	
TIXI	comp=Z,78nm,1.1s,mb5.7				
TIXI	comp=Z,54nm,1.1s,mb5.5	MLR	MLR		
TIXI	comp=Z,300nm,19.0s,MS4.4	MLR	MLR	21 49 35.1 +0.8	
TIXI	comp=Z,78nm,1.1s,mb5.7				
TIXI	comp=Z,54nm,19.0s,MS4.6	LR	LR		
JMOS	Jabal al Moali 55.38 86 P	P	P	21 49 36.0 +0.4	
AB31	Akbulak array 55.40 52 P	P	P	21 49 34.8 -0.6	
AB31	comp=Z,35nm,1.3s,mb5.2	pmax	pmax		
MOD	Modoc 55.67 296 eP	P	P	21 49 37.0 -0.4	
MOD	comp=Z,36nm,1.2s,mb5.3	LR	LR		
MOD	comp=Z,2um,19.0s,MS5.2	LR	LR		
BAYS	Tayyip Ism 55.69 87 P	P	P	21 49 37.6 -0.2	
TDAS	Al Bac 55.91 87 P	P	P	21 49 38.9 -0.4	
SPJ	Al Bac 55.92 329 eP	P	P	21 49 38.5 -0.5	
JMOS	Jabal Mogryeh 56.05 86 P	P	P	21 49 40.7 +0.3	
HSD	Harness Mounta 56.07 299 eP	P	P	21 49 39.8 -0.5	
AYUS	'Ayunah 56.19 87 P	P	P	21 49 40.9 -0.5	
HUMO	Hull Mountain 56.62 298 eP	P	P	21 49 42.0 -2.2	
TNA	Tin City 56.64 339 eP	P	P	21 49 43.8 -0.3	
PAHR	Pah Rah Range 56.66 293 eP	P	P	21 49 47.1 +2.5	
PAHR	comp=Z,13nm,0.7s,mb5.1				
TUC	Tucson 56.85 281 PFAKE	LR	LR	21 50 00.0 +1.4	
TUC	comp=Z,5um,20.0s,MS5.6	LR	LR		
NEN	Nelson 56.89 287 eP	P	P	21 49 47.1 +0.8	
NEN	Nelson 56.89 287 eP	P	P	21 49 47.1 +0.8	
NEN	Nelson 56.89 287 eP	P	P	21 49 47.1 +0.8	
TBKS	Tabuk 56.94 86 eP	P	P	21 49 47.3 +0.5	
NVAR	Mina Array Bea 56.97 291 P	P	P	21 49 45.9 -0.8	
NVAR	comp=Z,2.6nm,0.9s,mb4.3,baz=78,slo=6.1,SNR=8.5	LR	LR	22 13 27.8	
NVAR	comp=Z,2um,18.3s,MS5.1,baz=85,slo=35	LR	LR	22 13 27.8	
YBH	Yreka Blue Hor 57.09 297 P	P	P	21 49 45.0 -2.6	
YBH	comp=Z,9.7nm,1.1s,mb4.8,baz=57,slo=4.8,SNR=11	LR	LR	21 49 45.3 -2.4	
YBH	Yreka Blue Hor 57.09 297 eP	LR	LR	21 49 45.3 -2.4	
YBH	comp=Z,2um,20.0s,MS5.1	LR	LR		
BEKR	Beckworth 57.09 294 eP	P	P	21 49 47.5 -0.2	
BEKR	comp=Z,23nm,1.3s,mb5.0	LR	LR		
CHKZ	Chkalovo 57.11 43 iP	P	P	21 49 47.1 -0.5	
CHKZ	comp=Z,36nm,1.2s,mb5.3	pmax	pmax		
CHKZ	Chkalovo 57.11 43 eP	P	P	21 49 47.2 -0.4	
BRVK	Borovoye 57.41 44 P	P	P	21 49 49.7 -0.1	
BRVK	comp=Z,25nm,1.1s,mb5.2	pmax	pmax		
BRVK	Borovoye Array 57.48 44 eP	P	P	21 49 49.6 -0.1	
BRVK	comp=Z,1.9nm,0.7s,mb5.2,baz=304,slo=5.3,SNR=110	P	P	21 49 50.2 -0.1	
BVAR	comp=Z,2um,20.0s,MS5.0	LR	LR	22 12 55.4	
ROSC	El Rosal 57.73 293 P	P	P	21 49 53.5 +0.6	
ROSC	comp=Z,73nm,0.6s,mb5.9,baz=102,slo=11.1,SNR=34	LR	LR	22 11 04.9	
ROSC	comp=Z,960nm,21.5s,MS4.9,baz=27,slo=32	LR	LR	22 11 04.9	
WDC	Whiskeytown Da 57.80 296 PFAKE	LR	LR	21 50 00.0 +7.4	
WDC	comp=Z,1um,20.0s,MS5.0	LR	LR		
MTUM	Tungsten Hills 57.84 291 eP	P	P	21 49 51.5 -1.5	
VOSK	Vostochnaya 57.95 44 eP	P	P	21 49 53.1 -0.4	
VOSK	comp=Z,25nm,1.0s,mb5.2	pmax	pmax		
OHCM	Honcuit 58.09 294 eP	P	P	21 49 53.8 -0.8	
OHCM	comp=Z,2um,20.0s,MS5.0	LR	LR		
OHCM	Goldstone 58.27 288 eP	P	P	21 49 56.6	
GSC	Columbia Colle 58.39 292 PFAKE	P	P	21 49 56.3 +0.3	
CMB	comp=Z,2um,19.0s,MS5.2	LR	LR	21 50 10.0 +1.3	
CMB	comp=Z,2um,19.0s,MS5.2	LR	LR		
BILL	Biilbino 58.45 351d iP	P	P	21 49 55.2 -1.6	
BILL	comp=Z,2um,19.0s,MS5.0	LR	LR	21 50 46.9	
BILL	comp=Z,2um,19.0s,MS5.0	LR	LR	21 50 46.9	
BILL	comp=Z,2um,19.0s,MS5.0				





Table of station data for the left column, including call signs like MKAR, FRB, SCHQ, etc., and their associated frequencies and parameters.

Table of station data for the middle column, including call signs like DAVA, LJU, VISS, etc., and their associated frequencies and parameters.

Table of station data for the right column, including call signs like WRA, FINES, NOA, etc., and their associated frequencies and parameters.



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Table with columns: Call sign, Power, Modulation, Frequency, and other parameters. Includes stations like SLNA, PRK, RN12, etc.

Table with columns: Call sign, Power, Modulation, Frequency, and other parameters. Includes stations like HENDK, FV1, GSCU, etc.

Table with columns: Call sign, Power, Modulation, Frequency, and other parameters. Includes stations like SURF, LSD, MBDF, etc.











Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station identifiers like EPOB, EPOB, CMAH, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station identifiers like INK, SONM, PDAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station identifiers like MA2, MA2, MA2, etc.

Table with columns: WRA, Warramunga Arr, 70.23 200, P, P, 06 31 46.7 -1.3, etc.

NIED 07 06:21.00, 42.30N, 144.50E, h23km, Mw3.8 Best double...

JMA 07 06:21.39, 4.42, 42.30N, 144.46E, h36km, 1km, M3.8...

ISC 07 06:21.39, 7.1, 0, 42.31N, 107.144, 45E, 0.07, h42km, 8km, n17...

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

NEIC 07 06:47.32, 8.2, 9, 22.03S, 179.04W, h553km, 33km, mb4.1/5...

ISC 07 06:47.33, 1.9, 22.1S, 0.1x179.18W, 0.08, h566km, 23km, n59...

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

Table with columns: NOA, Kelkit, 142.85 308, 1/P, PKPdf, 07 06 02.4 +0.1, etc.

NEIC 07 06:59.32, 5.1, 17.80S, 70.36W, h120km, Error ellipse: s-maj=18.7km...

ISC 07 06:59.31, 8.1, 17.84S, 0.09, 70.3W, 0.1, h110km, 16km, n8...

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

ISC 07 07:31.16, 9.1, 7.05N, 123.99E, mb3.7/3, mb1 3.9/3, mb1mx3.6/1.4...

SKHL 07 07:42:52.6, 0.1, 50.22N, 131.29E, h16km, 1km, mb4.1/3, Southeastern Siberia

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

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

HEL 07 08:53:18, 7.0, 1.1, 60.58N, 11.63E, h14km, ML3.7, MD3.6(BER), ML3.5(BER)

NEIC Felt at Oslo and in much of Denmark. ISC 07 08:53:14, 7.0, 3.0, 65N, 0.03, 11.90E, 0.04, h10km, n65...

ISC 07 08:53:14, 7.0, 3.0, 65N, 0.03, 11.90E, 0.04, h10km, n65, e1948/127, 4C, Southern Norway

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



Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h m s, ISC. Includes stations like ASAR Alice Springs, CMAR Chiang Mai Arr, ULN Ulanbaatar, etc.

NIED 07 10:08:00.41, 70N, 144.0E, h11km, Mw3.8 Best double couple: M5.05x10^14 NP1.7q74, 846, -1.88. NP2.2q252, 844, -1.92.

JMA 07 10:08:52.4, 0.2, 41.75N, 144.41E, h31km, 2km, M4.0 IDC 07 10:08:54.0, 4.7, 41.78N, 144.34E, h40km, 42km, mb3.5/11, mb1.3/7.12, mb1mx3.6/23, ML3.3/1, Error ellipse: s-maj=24.9km s-min=18.5km az=123.0

ISC 07 10:08:53.1, 1.7, 41.8N, 0.1, 144.4E, 0.2, h42km, 14km, n18, 0.675/20, mb3.7/11, Hokkaido region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h m s, ISC. Includes stations like JEM Erimo, JCH Churui, JOB Onbets, etc.

MOS 07 10:23:20.6, 0.6, 20.62S, 178.74W, h582km, mb4.8/3, Error ellipse: s-maj=26.1km s-min=18.4km az=128.4

NEIC 07 10:23:22.5, 1.6, 20.77S, 178.79W, h593km, 19km, mb4.5/27, 20.19S, s-maj=8.7km s-min=7.8km az=174.0

BJI 07 10:23:22.0, 0.2, 19S, 179.14W, h569km, mb4.7, mb4.7 IDC 07 10:23:23.1, 1.1, 20.84S, 178.81W, h601km, 12km, mb3.9/18, mb1.4/1.19, mb1mx4.0/20, Error ellipse: s-maj=13.3km s-min=8.9km az=147.0

ISC 07 10:23:21.0, 1.6, 20.84S, 0.07, 178.84W, 0.06, h589km, 20km, n143, 0.685/89, mb4.4/6, 1C-9D, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h m s, ISC. Includes stations like OUZ Omahuta, URZ Urewera, OIZ Oia, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h m s, ISC. Includes stations like VNSA Narrogin (SRO), MUN Mundingari, GSPA South Pole Qui, etc.

HAWA Hanford 85.69 37 eP 07 10:59.52 +0.7 comp=Z, 2.1nm, 0.9s, mb4.3

SEY Seymchan 86.53 347 eP 07 10:35.06 +0.7 comp=Z, 3.1nm, 0.3s, baz=348, slow=5.1, SNR=7.5

HLID Haijiu 87.10 41 eP 07 10:35.06 +0.7 comp=Z, 2.7nm, 1.0s, mb4.4

DPW Davenport 87.29 36 eP 07 10:35.06 +0.7 comp=Z, 2.1nm, 0.9s, mb4.3

VNA3 Neumayer Olymp 87.85 177 jP 07 10:35.06 +0.7 comp=Z, 2.1nm, 0.9s, mb4.3

HWUT Hardware Ranch 87.88 44 eP 07 10:35.06 +0.7 comp=Z, 2.1nm, 0.9s, mb4.3

LTX Lajitas 87.91 58 eP 07 10:35.06 +0.7 comp=Z, 2.3nm, 1.0s, mb4.9

TXAR Lajitas Array 87.91 58 eP 07 10:35.11 +0.9 comp=Z, 3.0nm, 0.9s, mb4.0, baz=220, slow=6.1, SNR=34

TXAR Lajitas Array 87.91 58 eP 07 10:35.11 +0.9 comp=Z, 3.0nm, 0.9s, mb4.0, baz=220, slow=6.1, SNR=34

PV10 Paradox Valley 87.99 48 eP 07 10:35.09 -0.5 comp=Z, 0.7nm, 0.4s, mb3.7, baz=275, slow=7.9, SNR=3.8

NEW Newport 88.11 36 eP 07 10:35.10 -0.7 comp=Z, 2.0nm, 0.4s, baz=275, slow=7.9, SNR=3.8

ANMO Albuquerque 88.23 52 eP 07 10:35.11 0.0 comp=Z, 6.0nm, 1.2s, mb4.2

VNA2 Neumayer-Watz 88.28 177 jP 07 10:35.12 +1.4 comp=Z, 2.5nm, 0.6s, mb4.1

HIA Hallar 88.52 325 eP 07 10:35.12 -0.5 comp=Z, 2.5nm, 0.6s, mb4.1

GDL2 Gaudal Moun 88.59 55 eP 07 10:35.13 +0.4 comp=Z, 2.1nm, 1.0s, mb4.9

COLA College 88.71 13 eP 07 10:35.15 -1.6 comp=Z, 2.1nm, 1.0s, mb4.9

IMA Ima Indiat 88.72 10 eP 07 10:35.12 -0.4 comp=Z, 2.2nm, 1.3s, mb5.3

MCMT McKenzie Canyo 88.72 41 eP 07 10:35.13 +0.2 comp=Z, 1.4nm, 1.0s, mb4.8

KMI Kunming 88.80 297 eP 07 10:35.15 +1.4 comp=Z, 1.4nm, 1.0s, mb4.8

ILAR Eielson Array 88.82 13 P 07 10:35.12 -1.3 comp=Z, 7.0nm, 0.3s, baz=227, slow=5.7, SNR=5.7

REDW Red Top Meadow 89.22 43 eP 07 10:35.16 +0.3 comp=Z, 7.0nm, 0.3s, baz=227, slow=5.7, SNR=5.7

BILL Bilbino 89.30 354 jP 07 10:35.147 -1.1 comp=Z, 7.0nm, 0.3s, baz=227, slow=5.7, SNR=5.7

CPRX Cap Rock 89.33 54 eP 07 10:35.16 -0.3 comp=Z, 7.0nm, 0.3s, baz=227, slow=5.7, SNR=5.7

CMAR Chiang Mai Arr 89.49 290 P 07 10:35.19 +1.5 comp=Z, 6.3nm, 0.8s, mb4.6, baz=121, slow=2.8, SNR=46

PLCA Paso Flaco 89.13 134 eP 07 10:35.18 +0.6 comp=Z, 3.2nm, 1.0s, mb4.1

PDAR Pinedale Array 89.75 44 P 07 10:35.18 -0.1 comp=Z, 3.1nm, 0.7s, mb4.2, baz=222, slow=2.7, SNR=32

SDCO Great Sand Dun 90.18 49 eP 07 10:35.20 0.0 comp=Z, 3.4nm, 1.1s, mb4.1

INK Inuvik 94.81 15 P 07 10:35.39 -1.1 comp=Z, 2.9nm, 1.0s, mb4.4, baz=208, slow=4.7, SNR=9.9

ULN Ulanbaatar 95.11 319 eP 07 10:35.45 -0.1 comp=Z, 2.9nm, 1.0s, mb4.4, baz=208, slow=4.7, SNR=9.9

SOMN Sogino Array 95.50 319 P 07 10:35.45 +0.1 comp=Z, 2.9nm, 1.0s, mb4.4, baz=208, slow=4.7, SNR=9.9

YKA Yellowknife Arr 97.15 25 P 07 10:35.50 -1.0 comp=Z, 2.9nm, 1.0s, mb4.4, baz=208, slow=4.7, SNR=9.9

MKAR Makanchi Array 110.86 313 Pdif Pdif 07 10:35.50 -1.1 comp=Z, 0.3nm, 0.6s, baz=124, slow=4.4, SNR=4.0

MKAR Makanchi Array 110.86 313 Pdif Pdif 07 10:40.47.4 comp=Z, 1.1nm, 0.7s, baz=71, slow=1.1, SNR=13

KURK Kurchatov 113.71 317 ePKPKP PKPpdf 07 10:40.52 -0.5 comp=Z, 3.7nm, 0.6s, baz=90, slow=1.5, SNR=25

BRV Borovoye Array 118.83 320 PKP PKPpdf 07 10:40.27 -0.1 comp=Z, 3.7nm, 0.6s, baz=90, slow=1.5, SNR=25

BRVK Borovoye 118.85 320 PKP PKPpdf 07 10:41.02 -0.4 comp=Z, 3.7nm, 0.6s, baz=90, slow=1.5, SNR=25

SPITS Spitsbergen Arr 122.16 356 PKP PKPpdf 07 10:41.07 -0.1 comp=Z, 1.4nm, 1.1s, baz=117, slow=4.5, SNR=6.1

ARCES ARCESS Array B 129.11 349 PKP PKPpdf 07 10:41.22 -0.2 comp=Z, 2.5nm, 0.6s, baz=28, slow=1.5, SNR=27

ARCES ARCESS Array B 129.11 349 PKP PKPpdf 07 10:43.48.5 comp=Z, 1.4nm, 0.8s, baz=76, slow=5.0, SNR=4.7

FINES FINESS Array B 135.88 343 PKP PKPpdf 07 10:41.36 +1.4 comp=Z, 1.8nm, 0.6s, baz=45, slow=2.7, SNR=7.8

FINES FINESS Array B 135.88 343 PKP PKPpdf 07 10:44.12.3 comp=Z, 4.2nm, 0.8s, baz=63, slow=4.4, SNR=16

FINES FINESS Array B 135.88 343 PKP PKPpdf 07 10:41.36 +1.4 comp=Z, 1.8nm, 0.6s, baz=45, slow=2.7, SNR=7.8

NB2 NORSAR Subarra139.22 353 SKPb SKP 07 10:41.32.7 comp=Z, 0.8nm, 0.6s, baz=16, slow=1.4, SNR=13

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h m s, ISC. Includes stations like DPC Collm, JIMOS Jabal al Moall, CLAUS Clausthal, etc.

NIED 07 10:26:00.26, 70N, 128.70E, h32km, Mw3.7 Best double couple: M3.86x10^14 NP1.9q357, 890, -1.70. NP2: 8627, 880, -1.07.

JMA 07 10:26:01.0, 0.1, 26.66N, 128.67E, h36km, 2km, M3.7 IDC 07 10:26:09.1, 0.5, 26.61N, 0.04, 128.73E, 0.05, h42km, 22km, n14, 0.697/25, Ryukyu Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h m s, ISC. Includes stations like JOW Kunigami, JOW Jow, Itheya, etc.

KRSC 07 10:41:58.9, 1.4, 53.85N, 170.32E, h21km, 20km, ML3.8 IDC 07 10:42:04.0, 1.3, 53.95N, 0.08, 169.7E, 0.1, h21km, n18, 0.815/28, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h m s, ISC. Includes stations like BKI Bering, BKI Bering, KBTR Krutoberegovo, etc.

IDC 07 11:32:29.7, 12.0, 1.14S, 142.10E, mb3.3/3, mb1.3/5/3, s-min=126.5km, error ellipse: s-maj=223.0km s-min=115.0km, Ninigo Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h m s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, etc.

NEIC 07 12:11:59.0, 29.7S, 72.05W, h41km, After GUC. GUC 07 12:11:59.3, 0.8, 29.97S, 72.03W, h42km, 3km, ML3.8, 7C-5D, Off coast of central Chile

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h m s, ISC. Includes stations like OVAL Ovalle, OVAL Ovalle, TLL Tololo Astrono, etc.







SSE	comp=E,642nm,16.6s	LR	LR						
TYV	comp=Z,748nm,18.4s	eP	P	13 50 47.9	-4.9				
TYV	<b>Tymovskoe</b>	eS	S	13 54 03.0	+7.3				
TYV	comp=Z,34nm,0.8s		pmx						
TYV	comp=E,1.1um,8.0s		smx						
NJ2	<b>Nanjing</b>	18.15 269	eP	P	13 51 12.0	+0.8			
NJ2			AP	P	13 51 21.8				
NJ2			XP	S	13 51 27.5				
NJ2			AMB	S	13 54 27.0	-1.9			
NJ2	comp=Z,40nm,0.8s		AMB	AMB					
NJ2	comp=Z,320nm,5.0s		LR	LR					
NJ2	comp=N,2.1um,23.2s		LR	LR					
NJ2	comp=E,1.1um,20.7s		LR	LR					
NJ2	comp=Z,1.1um,20.2s		LR	LR					
BJJ	<b>Beijing</b>	20.11 294	P	P	13 51 32.2	-1.2			
BJJ	comp=N,314nm,11.4s,MS4.0		LR	LR					
BJJ	comp=E,282nm,12.5s,MS4.0		LR	LR					
BJJ	comp=Z,280nm,20.7s		LR	LR					
HIA	<b>Hailar</b>	21.39 321	eP	P	13 51 42.9	-3.6			
HIA	comp=Z,12nm,0.8s		MLR	MLR					
HIA	comp=Z,712nm,19.0s		eP	P	13 51 42.9	-3.5			
HIA	<b>Hailar</b>	21.39 321	eP	P	13 51 42.9	-3.5			
HIA	comp=Z,12nm,0.8s,mb4.3		LR	LR					
HIA	comp=Z,712nm,19.0s,MS4.1		LR	LR					
WHN	<b>Wuhan</b>	22.26 268	eP	S	13 51 57.5	+2.3			
WHN	comp=N,2.1um,21.5s,MS4.5		LR	LR					
WHN	comp=E,1.1um,18.8s,MS4.5		LR	LR					
WHN	comp=Z,910nm,13.8s,MS4.4		LR	LR					
PET	<b>Petropavlovsk</b>	22.84 291	iP	P	13 52 01.8	+1.1			
PET			eP	P	13 52 13.6				
PET			eS	S	13 52 19.2				
PET			eS	S	13 56 05.9	+3.5			
PET			eSS	SSS	13 56 30.5	+1.1			
PET			eSSS	SSS	13 57 05.5	+1.1			
PET	comp=Z,366nm,2.7s,mb5.3		pmx	pmx					
PET	comp=Z,41nm,1.2s,mb4.7		pmx	pmx					
PET	comp=Z,353nm,10.6s		smx						
PET	comp=E,337nm,12.7s		smx						
PET	comp=N,392nm,14.6s		MLR	MLR					
PET	comp=Z,511nm,19.0s,MS4.0		MLR	MLR					
PET	comp=N,453nm,16.0s		MLR	MLR					
PET	comp=Z,428nm,14.0s		MLR	MLR					
PET	<b>Petropavlovsk</b>	22.84 29	eP	P	13 52 00.8	0.0			
PET	comp=Z,5nm,0.8s,mb4.5		eP	P	13 52 10.9	+1.7			
HHC	<b>Hu-ho-hao-te</b>	23.71 295	AP	P	13 52 20.9	+0.8			
HHC			XP	P	13 52 27.5				
HHC			PP	S	13 52 45.5	+2.3			
HHC			S	S	13 56 21.8	+4.2			
HHC			XS	SS	13 56 39.8				
HHC			SS	SS	13 57 10.7	+1.6			
HHC	comp=N,915nm,14.9s,MS4.5		LR	LR					
HHC	comp=E,897nm,16.1s,MS4.5		LR	LR					
HHC	comp=Z,952nm,14.3s,MS4.4		LR	LR					
BTO	<b>Baotou</b>	24.85 294	eP	P	13 52 20.5	+0.2			
CLNS	<b>Chui'man</b>	24.94 340	eP	P	13 52 21.8	+0.8			
CLNS			ePPP	PPP	13 53 06.2	-4.3			
CLNS			eS	S	13 56 46.0	+7.5			
CLNS			eSS	SS	13 57 51.8	+1.2			
CLNS			e		14 03 22.6				
CLNS	comp=Z,160nm,0.9s,mb5.5		pmx	pmx					
CLNS	comp=N,80nm,1.0s		pmx	pmx					
CLNS	comp=E,30nm,0.8s		pmx	pmx					
CLNS	comp=Z,20nm,0.7s,mb4.8		pmx	pmx					
CLNS	comp=N,20nm,1.0s		pmx	pmx					
CLNS	comp=E,20nm,0.9s		smx						
CLNS	comp=N,200nm,9.7s		smx						
CLNS	comp=Z,100nm,12.6s		smx						
CLNS	comp=E,100nm,12.4s		MLR	MLR					
CLNS	comp=Z,500nm,17.0s,MS4.1		MLR	MLR					
CLNS	comp=N,300nm,14.0s,MS4.0		MLR	MLR					
CLNS	comp=E,200nm,18.0s,MS4.0		MLR	MLR					
XAN	<b>Xi'an</b>	25.98 278	P	P	13 52 28.9	-2.1			
XAN	comp=Z,17nm,0.8s,mb4.6		AMB	AMB					
MA2	<b>Magadan</b>	26.25 12	iP	P	13 52 32.7	-0.5			
MA2	comp=Z,62nm,0.8s,mb5.2		pmx	pmx					
MA2	comp=Z,60nm,20.0s,MS4.1		MLR	MLR					
MA2	<b>Magadan</b>	26.25 12	eP	P	13 52 31.9	-1.4			
ENH	<b>Enshi</b>	26.36 270	eP	P	13 52 31.8	-2.8			
ENH	comp=Z,23nm,0.7s,mb4.8		LR	LR					
ENH	comp=Z,661nm,19.0s,MS4.2		LR	LR					
TGY	<b>Tagaytay City</b>	26.68 226	LR	LR	14 01 11.1				
ULN	<b>Ulaanbaatar</b>	28.33 309	eP	P	13 52 51.8	-0.5			
ULN	comp=Z,16nm,0.6s,mb4.8		MLR	MLR					
ULN	comp=Z,545nm,20.0s,MS4.2		MLR	MLR					
ULN	comp=Z,16nm,0.6s,mb4.8		LR	LR					
ULN	comp=Z,545nm,20.0s,MS4.2		LR	LR					
YAK	<b>Yakutsk</b>	28.63 349	c iP	P	13 52 53.5	-1.3			
YAK			eS	S	13 56 02.4				
YAK			eSS	SS	13 57 37.6	-0.9			
YAK			eSSS	SSS	13 59 05.0	-2.0			
YAK			e		13 59 21.4	-5.7			
YAK			e		14 03 34.2				
YAK	comp=Z,40nm,1.0s,mb5.1		pmx	pmx					
YAK	comp=N,20nm,1.1s		pmx	pmx					
YAK	comp=E,9.0nm,1.3s		pmx	pmx					
YAK	comp=Z,7.0nm,0.9s,mb4.4		pmx	pmx					
YAK	comp=N,10.0nm,1.2s		smx						
YAK	comp=N,10.0nm,5.4s		smx						
YAK	comp=E,20nm,7.9s		MLR	MLR					
YAK	comp=Z,390nm,25.0s,MS3.9		MLR	MLR					
YAK	comp=N,220nm,18.0s		MLR	MLR					
YAK	comp=E,460nm,17.0s		MLR	MLR					
YAK	<b>Yakutsk</b>	28.63 349	eP	P	13 52 53.1	-1.6			

SOMM	comp=E,120nm,1.0s,mb5.6	P	P	13 52 56.1	+0.1				
SOMM	<b>Songino Array</b>	28.75 308	P	P	13 56 05.0	-0.5			
SOMM	comp=E,10.0nm,0.5s,mb4.8,baz=103,slow=8.3,SNR=85		PcP	PcP					
SOMM	comp=E,3.6nm,0.6s,baz=133,slow=2.6,SNR=12		pP	pP					
SOMM	comp=Z,2.1nm,0.6s,baz=129,slow=2.5,SNR=4.8		eP	eP	13 59 41.5				
SOMM	comp=E,4.3nm,0.9s,baz=135,slow=3.5,SNR=16		ScP	ScP					
ROD	<b>Bodaibo</b>	29.50 331	eP	P	13 53 01.3	-1.3			
SEY	<b>Seymchan</b>	29.68 11	eP	P	13 53 04.9	+0.7			
SEY			*PP	pP	13 53 18.0	+1.3			
SEY			*SP	sP	13 53 24.2	+1.5			
SEY			e	e	13 53 59.6				
SEY			ePPP	PPP	13 54 15.4	-0.2			
SEY			*SS	SS	13 57 54.7	-0.6			
SEY			eSS	SSS	13 58 14.3				
SEY			eSSS	SSS	13 59 35.7	+3.7			
SEY			pmx	pmx	13 59 52.9	-0.5			
LZH	comp=Z,30nm,0.9s,mb5.0		P	P	13 53 04.4	-1.2			
LZH	<b>Lanzhou</b>	29.81 284	eP	P	13 53 16.8	-1.4			
LZH			XP	sP	13 53 25.0	+0.9			
LZH			PP	PP	13 54 02.0	-1.9			
LZH	comp=Z,26nm,1.0s,mb4.9		AMB	AMB					
LZH	comp=Z,112nm,4.3s		LR	LR					
LZH	comp=E,361nm,12.0s		LR	LR					
LZH	comp=Z,500nm,13.8s,MS4.3		LR	LR					
FX1	<b>Attu Island-F</b>	29.82 41	eP	P	13 53 04.0	-1.5			
GYA	<b>Guiyang</b>	30.00 264	P	P	13 53 05.0	-2.4			
GYA			AP	pP	13 53 21.6	+1.6			
GYA			XP	sP	13 53 27.0	+1.0			
GYA			S	S	13 57 53.8	-6.9			
GYA	comp=Z,20nm,1.0s,mb4.8		AMB	AMB					
GYA	comp=N,1.1um,15.5s,MS4.7		LR	LR					
GYA	comp=E,630nm,15.9s,MS4.7		LR	LR					
GYA	comp=Z,530nm,15.2s,MS4.3		LR	LR					
CD2	<b>Chengdu</b>	30.93 274	P	P	13 53 12.7	-2.9			
CD2			S	S	13 58 15.4	+0.2			
CD2	comp=Z,30nm,0.7s,mb5.2		AMB	AMB					
CD2	comp=Z,90nm,4.2s		LR	LR					
CD2	comp=N,850nm,19.5s		LR	LR					
QIZ	comp=Z,1.1um,15.2s,MS4.7		eP	S	13 53 18.3	+1.4			
QIZ	<b>Qiongzong</b>	31.07 249	eP	S	13 58 20.5	+3.0			
QIZ			LR	LR					
QIZ	comp=E,370nm,19.1s		LR	LR					
ZAK	comp=Z,435nm,24.6s	31.42 312	iP	P	13 53 19.3	-0.4			
ZAK	<b>Zakamensk</b>	31.60 315	iP	P	13 53 21.8	+0.5			
ZAK	<b>Talaya</b>		e		13 56 12.8				
TLY	comp=Z,19nm,0.8s,mb5.0		pmx	pmx					
TLY	comp=Z,400nm,17.0s,MS4.2		MLR	MLR					
GTA	<b>Gaotai</b>	32.67 291	P	P	13 53 30.4	-0.4			
GTA			AP	pP	13 53 42.7	+0.8			
GTA			XP	sP	13 53 48.1	-1.4			
GTA			PP	PP	13 54 39.0	-1.8			
GTA			S	S	13 58 40.5	-1.9			
GTA	comp=Z,11nm,0.7s,mb4.9		AMB	AMB					
GTA	comp=Z,60nm,4.2s		LR	LR					
GTA	comp=N,185nm,16.3s,MS4.0		LR	LR					
GTA	comp=E,190nm,16.0s,MS4.0		LR	LR					
GTA	comp=Z,196nm,16.7s,MS3.9		LR	LR					
MOY	<b>Mondy</b>	33.17 314	eP	P	13 53 35.0	+0.1			
KMI	<b>Kunming</b>	33.78 265	eP	P	13 53 39.2	-1.2			
KMI			AP	pP	13 53 52.4	-0.8			
KMI			XP	sP	13 53 58.2	+1.1			
KMI			PP	PP	13 54 24.7	+0.2			
KMI			S	S	13 58 54.1	-5.6			
KMI	comp=N,544nm,17.0s,MS4.5		LR	LR					
KMI	comp=E,472nm,18.0s,MS4.5		LR	LR					
KMI	comp=Z,571nm,16.0s,MS4.4		LR	LR					
BILL	<b>Bilbino</b>	36.94 16	eP	P	13 54 05.2	-1.6			
BILL	comp=Z,13nm,1.0s,mb4.7		pmx	pmx					















7d 20h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SMAR Somma, UGLR Ugllovaya, AVH Avacha, KOK Koryaka, etc.

IDC 07 18:25:03.7,3.9,5.51S; 129.56E, h200km,37km, mb3.1/2, mb1.3/5, mb1mx3.2/13, Error ellipse: s-maj=61.8km s-min=12.1km az=75.0

IDC 07 18:24:56.5,3.8,5.35S; 109.129.5E,0.2, h142km,38km, n5, a090/8, mb3.5/2, Banda Sea

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

IDC 07 18:26:11.4, 43.56N; 83.91E, h12km, ML3.7, NWI 07 18:26:14.1, 3.9, 4.3, 66E, h19km, 15km, mpv3.3, Error ellipse: s-maj=28.2km s-min=26.3km az=61.0

IDC 07 18:26:13.4, 43.2, 43.6N, 0.2, 3.83E, 0.1, h32km, 27km, n12, a110/17, mb3.8/2, 4C-4D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WMQ Urumqi, MK31 Makanchi Array, etc.

FUNV 07 18:34:36.7, 19N, 71.92W, MW3.4, IDC 07 18:34:41.7, 2.5, 7.1, 1N-71.74W, h65km, 25km, mb3.3/3, mb1.3/7.5, mb1mx3.4/18, ML2.0/1, Error ellipse: s-maj=33.8km s-min=18.9km az=143.0

NEIC 07 18:34:42.1, 2.7, 15N, 71.78W, h65km, 15km, Error ellipse: s-maj=29.0km s-min=12.5km az=143.0

IDC 07 18:34:39.1, 0.7, 7.27N, 0.05, 71.81W, 0.4, h46km, 10km, n18, a1502/26, mb3.6/3, 2C-2D, Venezuela

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

2004 APR

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SIGV El Baul, BAUV Puerto Ayacucho, MONV Montecano, etc.

CASC 07 18:42:26.0, 1.1, 11.44N, 0.03, 86.75W, 0.05, h4km, 6km, n22, a195/38, 5C-5D, Near coast of Nicaragua

IDC 07 18:57:23.9, 1.8, 55N, 145.72E, h218km, 101km, mb3.4/8, mb1.3/6.8, mb1mx3.2/20, Error ellipse: s-maj=26.3km s-min=15.4km az=87.0

IDC 07 18:57:20.3, 0.7, 18.6N, 0.1, 145.8E, 0.2, h200km, n12, a055/11, mb3.0/6, Mariana Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, FITZ Fitzroy Crossi, etc.

PRU 07 19:20:27.8, 51.48N, 16.25E, WAR 07 19:20:29.6, 51.51N, 16.16E, ML2.6, Mining Induced

NEIC 07 19:20:31.9, 3.2, 51.28N, 16.05E, h5km, Error ellipse: s-maj=35.6km s-min=11.3km az=46.0

IDC 07 19:20:27.0, 1.5, 51.48N, 0.06, 16.11E, 0.07, n11, a089/19, Poland

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

IDC 07 19:23:46.8, 10.0, 3.37N, 122.84E, h537km, 150km, mb2.8/8, mb1.3/0.8, mb1mx2.8/19, Error ellipse: s-maj=64.8km s-min=27.9km az=60.0

IDC 07 19:23:46.2, 0.8, 3.3N, 0.2, 122.8E, 0.4, h55km, n8, a0568/8, mb3.4/8, Celebes Sea

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

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BVAR Borovoye Array 65.55 328 P 19 33 36.8 -0.4 0.1nm, 0.4s, mb2.7, baz=169, slow=7.3, SNR=2.7

MAN 07 19:54:53.1, 4.1, 41N, 127.69E, h176km, mb4.6, ML3.5, MS3.3, NEIC 07 19:54:54.8, 0.3, 4.48N, 127.83E, mb4.5/3, Error ellipse: s-maj=21.1km s-min=6.1km az=75.0

IDC 07 19:54:55.0, 3.5, 4.48N, 127.85E, h102km, 30km, mb3.9/15, mb1.4/0.15, mb1mx4.0/19, MS2.9/2, Ms1 2.92, ms1mx2.7/24, Error ellipse: s-maj=37.2km s-min=11.2km az=72.0

ISC 07 19:54:53.0, 1.1, 4.2N, 127.8E, 0.1, h98km, 9km, n47, a08247/47, mb4.2/1, 2C-1D, Talud Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like GSPH General Santos, KCP Kidapawan, BIPH Bislig, etc.

IDC 07 19:59:41.6, 26.0, 17.51S, 172.25W, mb4.2/4, mb1.4/3.4, mb1mx3.9/17, Error ellipse: s-maj=540.0km s-min=160.1km az=88.0, Tonga Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like STKA Stephens Creek, WBA Warramunga Arr, WRA Warramunga Arr, etc.

SKHL 07 20:01:19.6, 0.3, 49.93N, 129.22E, h9km, 1km, mb3.8/3, IDC 07 20:01:14.3, 1.0, 50.08N, 0.05, 129.34E, 0.07, h9km, n9, a1523/22, Southeastern Siberia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KLR Kul'dur, YASR Yasnyy, etc.

YASR 7.0nm, 0.5s, YASR 45nm, 0.7s, YASR 100nm, 0.7s, YASR 40nm, 0.7s, EKMR Ekimchan, EKMR 9.0nm, 0.5s, EKMR 11nm, 0.5s, EKMR 13nm, 0.5s, EKMR 40nm, 0.7s, EKMR 48nm, 0.5s

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

Table with columns: KROS, Kirovskiy, 4.59 342, ePn, Pn, 20 02 30.3, +4.7, etc.

NEIC 07 20:04:09.8, 17.20N, 101.26W, h20km, MD3.7(MEX), After MEX

MEX 07 20:04:09.8, 0.9, 17.19N, 101.27W, h17km, e66km, MD3.8

ISC 07 20:04:07.8, 1.5, 17.2N, 0.1, 101.20W, 0.09, h21km, 12km, n7, e061/15, Near coast of Guerrero

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

IDC 07 20:18:50.8, 1.2, 2.58N, 126.62E, mb3.4/6, mb1 3.6/6, mb1 mx3.5/16, MS2.5/1, Mst1 2.5/1, ms1 mx2.3/11, Error ellipse: s-maj=98.2km s-min=18.1km az=71.0

ISC 07 20:18:53.7, 1.1, 2.5N, 0.2, 126.5E, 0.6, h33km, n7, e082/6, mb3.4/5, Northern Molucca Sea

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

IDC 07 20:23:08.5, 0.5, 9.16N, 84.00W, mb4.7/22, mb1 4.9/26, mb1 mx4.9/27, ML3.0/2, MS4.9/15, Mst1 4.9/15, ms1 mx4.8/22, Error ellipse: s-maj=19.7km s-min=12.4km az=52.0

HRVD 07 20:23:10.7, 0.1, 8.92N, 84.06W, h18km, MW5.4/69, Centroid moment tensor solution. LP body waves: s64, c119; Mantle waves: s69, c140; Half duration: 153

Moment tensor: Scale 10^17Nm; Mr: 1.5e-02; Mw: 1.00e-02; Mw: 0.15e-02; Mw: 1.19e-05; Mw: 0.57e-01; Mw: 0.48e-05; Best double couple: Mo: 1.77e+107 NP1: 0e301, 822e, 197e, NP2: 0e113, 868e, 187e. Principal axes: T: 1.7, P: 67, N: 218; Az: 18; N: 14, P: 3, Az: 114; P: -1.03, P: 3, Az: 205; nst1 refers to body waves, cutoff=40s, nst2 refers to surface waves, cutoff=50s.

NEIC 07 20:23:10.7, 8.90N, 84.13W, h13km, M5.3, MS5.0, BUI 07 20:23:10.7, 8.90N, 84.10W, h12km, M5.6, MS5.5, MSz5.3

CASC 07 20:23:11.4, 2.2, 9.02N, 84.01W, MD5.0, ML5.0, MW5.2

MOS 07 20:23:13.4, 1.0, 9.40N, 83.91W, h33km, mb5.7/17, MS5.0/22, Error ellipse: s-maj=24.8km s-min=11.5km az=61.8

ISC 07 20:23:09.5, 0.2, 8.89N, 0.03, 83.99W, 0.02, h21km, h21km, 2.0km, pP, n5, 01, e19121/447, mb5.2/147, MS5.0/55, 64C-26D, Costa Rica

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

Main table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC

Table with columns: BINY, Tucson, 34.05 317, eP, P, 20 29 54.2, -0.3, etc.

7d 20h

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Table with columns: Station, Frequency, Power, and other technical details. Includes stations like ILAR, COLA, RSO, EZAM, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like MEZF, VIVF, HGN, WIT, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like CLL, Colim, WET, etc.

Table with columns for station codes (e.g., OJC, LVZ, LVJ, etc.), station names (e.g., Ojcow, Lovozero, etc.), and various numerical data points including coordinates and time-related values.

Main table with columns for station codes (e.g., SHESHAN, ENH, AJM, etc.), station names (e.g., Sheshan, Enshi, Aimes, etc.), and various numerical data points including coordinates and time-related values.

Table with columns for station codes (e.g., CRS, SVKR, etc.), station names (e.g., Severomuyksk, etc.), and various numerical data points including coordinates and time-related values.

IDC 07 21:14:33.11:65.0, 20.43S-176.91E, mb3.7/3, mb1 3.8/3, m=1mx3.6/13, Error ellipse: s-maj=1143.0km s-min=136.8km az=80.0, South of Fiji Islands

MOS 07 21:36:40.7:0.9, 54.92N: 117.00E, h14km, mb4.3/1, Error ellipse: s-maj=22.9km s-min=18.3km az=103.5

BYKL 07 21:36:41.2:0.5, 54.96N: 117.04E, h21km, mb16km, 4D, East of Lake Baykal

Table with columns for station codes (e.g., WTKA, ASAR, etc.), station names (e.g., Stephens Creek, Narrogin, etc.), and various numerical data points including coordinates and time-related values.

TIF 07 21:42:53.4, 41.13N-44.03E, h8km, Mpv4.2, 3C-1D, Western Caucasus







Table with columns: KHZ Kahutara, KHZ Kahutara, DSZ Denniston Nort, etc. Includes station names, times, and phases.

IDC 08 02:00:02.7.3.2, 29.89S-138.96E, mb1 3.0/3, mb1mx2.9/11, ML2.2/3, Error ellipse: s-maj=145.0km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like STKA Stephens Creek, STKA Warramunga Arr, etc.

IDC 08 02:01:53.4.3.3, 1.57S-99.27E, mb3.4/3, mb1 3.7/4, mb1mx3.5/14, ML4.5/1, Error ellipse: s-maj=124.0km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, WRA Warramunga Arr, etc.

IDC 08 02:15:27.0.0.9, 26.74S-176.76W, mb4.2/9, mb1 4.4/12, mb1mx3.3/16, ML4.3/3, MS3.7/4, Ms1 3.6/4, ms1mx3.3/16

NEIC 08 02:15:32.0.0.6, 26.93S-176.80W, h30km, mb4.9/7, Error ellipse: s-maj=19.9km s-min=11.9km az=113.0

ISC 08 02:15:31.0.0.6, 27.03S-107.17E, mb4.0.1, h30km, n33, c111/30, mb4.5/16, MS3.6/4, 4C-ID, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like URZ Urewera, SNZO South Karori, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like STKA Stephens Creek, STKA Alice Springs, etc.

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like STKA Stephens Creek, STKA Alice Springs, etc.

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

BJI 08 02:41:58.4.26.80S, 107.20W, h10km, Ms4.4

IDC 08 02:41:58.4.0.9, 26.79S-107.20W, mb4.7/11, mb1 4.9/11, mb1mx4.7/15, MS3.7/8, Ms1 3.7/8, ms1mx3.6/18, Error ellipse: s-maj=30.0km s-min=20.1km az=28.0

NEIC 08 02:42:00.4.0.2, 26.81S-107.24W, h10km, mb4.8/31, Error ellipse: s-maj=8.1km s-min=5.8km az=73.0

SYO 08 02:42:00.4.0.2, 26.81S-107.24W, h10km, MB4.8

ISC 08 02:41:58.7.0.4, 26.76S-107.10W, h10km, n97, c084/78, mb4.7/38, MS3.8/9, 2C-6D, Easter Island region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like RPN Rapa Nui, PLCA Paso Flores, etc.

Table with columns: LPAZ La Paz, OTAV Otavalo, CPUP Villa Florida, etc. Includes station names, times, and phases.

ISC 08 02:49:42.2.3.9, 39.06N-26.06E, h17km, ML3.3/5

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

ISC 08 02:49:42.2.3.9, 39.16N-25.81E, h10km, ML3.7

ISC 08 02:49:42.4.0.3, 39.16N-25.81E, h10km, ML3.7, c1803/58, 1C-ID, Aegean Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like PRK Paraskevi, BOZC Bozcaada, etc.

ISC 08 02:52:35.3.3.5, 15.1S-102.17E, 0.2, h695km, 49km, n18, c088/19, mb4.0/13, Vanuatu Islands region

ISC 08 02:52:35.3.3.5, 15.1S-102.17E, 0.2, h695km, 49km, n18, c088/19, mb4.0/13, Vanuatu Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CTA Charters Tower, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like STKA Stephens Creek, STKA Alice Springs, etc.

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like STKA Stephens Creek, STKA Alice Springs, etc.

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

LDG 08 03:09:49.5.0.1, 48.34N-9.04E, h8km, Md3.3/3, Ml3.2/24, Error ellipse: s-maj=1.2km s-min=1.0km az=105.0

LEDBW 08 03:09:49.4.0.1, 48.35N-9.04E, h3km, Ml3.1, Error ellipse: s-maj=2.0km s-min=1.4km az=88.0

NEIC 08 03:09:49.4.0.1, 48.35N-9.04E, h8km, Ml3.2(VIE), Ml3.2(LDG), Ml3.0(FUR), Ml3.0(LEDBW), Ml3.0(SZGRF)

ZUR 08 03:09:49.3.48.35N-9.03E, h10km, Ml2.8/15, BGR 08 03:09:49.6.0.2, 48.36N-9.03E, h10km, Ml2.7/7, Error ellipse: s-maj=2.2km s-min=1.1km az=128.0

ISC 08 03:09:47.2.0.2, 48.40N-0.019.04E, 0.01, h8km, 1km, n135, c1050/272, 32C-2D, Germany

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MSG Mossingen, MSG Mueblingen, etc.

Table with columns: MKAR Urumqi, WMQ Urumqi, etc. Includes station names, times, and phases.

NEIC 08 02:49:41.9, 39.06N-26.06E, h17km, MD3.3(ATH), After ATH

ATH 08 02:49:41.9, 39.06N-26.06E, h17km, 1.5km, MD3.3/5

THE 08 02:49:42.6, 39.11N-25.81E, h10km, ML3.3

ISC 08 02:49:42.2.3.9, 39.16N-25.81E, h10km, ML3.7

ISC 08 02:49:42.4.0.3, 39.16N-25.81E, h10km, ML3.7, c1803/58, 1C-ID, Aegean Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like PRK Paraskevi, BOZC Bozcaada, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like RDO Rodhio, BRMT Marmara Adasi, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SOH Sokhos, KDH Kundzhal, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like EDRB Edirne, YER Yerkisik, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CTA Charters Tower, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like STKA Stephens Creek, STKA Alice Springs, etc.

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

LDG 08 03:09:49.5.0.1, 48.34N-9.04E, h8km, Md3.3/3, Ml3.2/24, Error ellipse: s-maj=1.2km s-min=1.0km az=105.0

LEDBW 08 03:09:49.4.0.1, 48.35N-9.04E, h3km, Ml3.1, Error ellipse: s-maj=2.0km s-min=1.4km az=88.0

NEIC 08 03:09:49.4.0.1, 48.35N-9.04E, h8km, Ml3.2(VIE), Ml3.2(LDG), Ml3.0(FUR), Ml3.0(LEDBW), Ml3.0(SZGRF)

ZUR 08 03:09:49.3.48.35N-9.03E, h10km, Ml2.8/15, BGR 08 03:09:49.6.0.2, 48.36N-9.03E, h10km, Ml2.7/7, Error ellipse: s-maj=2.2km s-min=1.1km az=128.0

ISC 08 03:09:47.2.0.2, 48.40N-0.019.04E, 0.01, h8km, 1km, n135, c1050/272, 32C-2D, Germany

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MSG Mossingen, MSG Mueblingen, etc.

Table with columns: Call Sign, Name, Frequency, Power, Modulation, and other technical details. Includes stations like BFO Black Forest, HDH Heidenheim, and many others.

Table with columns: Call Sign, Name, Frequency, Power, Modulation, and other technical details. Includes stations like FUORN Ofenpass, WIMIS Wimmis, WATA Walderalm, and many others.

Table with columns: Call Sign, Name, Frequency, Power, Modulation, and other technical details. Includes stations like VIVF Africa, TCF Toulx Ste Croix, DPC Dobruska-Polom, and many others.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, and Residual. Includes stations like SEK Senekal, BOSA Boshof, BOSB Bosof, and many others.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, and Residual. Includes stations like ISK 08 03:25:35.1, 41.08N-33.75E, h5km, MD3.5, ML3.6, and many others.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, and Residual. Includes stations like NEIC 08 03:25:40.7, 35.12N-4.03W, MG3.5(MDD), After MDD, and many others.















Table with columns for station name, frequency, power, and various signal quality metrics. Includes stations like NNA, LSZ, LIC, KIC, TIC, OTAV, etc.

Table with columns for station name, frequency, power, and various signal quality metrics. Includes stations like KIV, Kislodovsk, NEN, MSU, MVU, etc.

Table with columns for station name, frequency, power, and various signal quality metrics. Includes stations like WMQ, Urumqi, DLBC, ENSHI, LANZHOU, etc.

Table with columns: FITZ, Station Name, Time, Res, etc. Includes stations like Fizzzy Crossi, Kakadu, Warramunga Arr, etc.

BER 08 10:30:27.1±8.5, 79.65N±3.67E, h15km±999km, ML2.0(NAO)

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like KBS Kingsbay, SPA0 Spitsbergen Arr, etc.

NEIC 08 10:33:27.0, 38.45N±23.91E, h23km, ML3.1(ATH), After ATH

ATH 08 10:33:27.0, 38.45N±23.91E, h23km±1km, MD3.3/10, ML3.1

ISC 08 10:33:28.9, 38.45N±23.99E, h22km, ML3.2

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like MPAR Parnis Oros, ATH Athens Observa, etc.

NNC 08 10:37:7.20±0.3, 57.36N±72.96E, h366km±140km, mpv3.9

ISC 08 10:37:36.0±3.9, 36.8N±0.3±70.7E±0.4, h235km±58km, n12

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like AML Almayashu, UCH Uchtor, etc.

NAO 08 10:55:07.3±1.1, 63.26N±21.40E, ML2.0

HEL 08 10:55:08.0±0.2, 63.18N±21.65E, ML1.8, ML2.0(NAO), Explosion

BER 08 10:55:09.4±0.6, 63.27N±21.28E, ML2.0(NAO)

ISC 08 10:55:05.2±0.7, 63.24N±0.05±21.50E±0.08, n16, e18/08/31, Finland

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like VAF Ylistaro, KAF Kangasniemi, etc.

Table with columns: HFS Hagfors, NOA NORSTAR Array B, ARAO ARCESS Array S, etc.

ISC 08 10:56:15.7±3.2, 17.99S±179.57E, mb3.7/4, mb1 3.9/4, mb1mx3.7/13, Error ellipse: s-maj=155.0km

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

TAP 08 11:25:28.3, 24.42N±121.97E, h9km±1km, ML3.3

ISC 08 11:25:28.5±0.5, 24.39N±122.03E, h32km, M2.5

ISC 08 11:25:27.7±0.5, 24.39N±122.06E±0.02, h8km±3km, n38, e57/72/3D, Taiwan region

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like TWC Suao, ENA Nanau, etc.

KRSC 08 11:26:28.0±1.2, 49.01N±155.89E, h19km±14km, ML4.5

ISC 08 11:26:30.6±0.8, 49.21N±155.53E, h14km±6km, mb3.3/9

ISC 08 11:26:29.9±0.9, 49.09N±0.06±155.75E±0.10, h52km±9km, h41km±1.3km, pP-P, n60, e1±25/83, mb3.6/12, Kuril Islands

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like SKR Severo-Kuril's, SKR Severo-Kuril's, etc.

Table with columns: PAU, KMRM Karymshynskiy, PET Petropavlovsk, etc.

ISC 08 11:27:53.1±3.7, 56.33N±22.96E, ML2.3(NAO), Suspected explosion

NAO 08 11:27:55.1±5.7, 56.53N±22.81E, ML2.3

HEL 08 11:27:51.3±0.5, 56.27N±22.99E, ML2.0, ML2.3(NAO), Explosion, Baltic States - Belarus - Northwestern Russia

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like VSU Vetsula, MEF Metshahov, etc.







Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Goldstone, San Rafael, Paradox Valley, Lac du Bonnet, Great Sand Dun, etc.

IDC 08 12:50:23.1-4.1, 5.38S-130.36E, h382km, 46km, mb3.1/2, mb1 3.3/4, mb1mx3.0/1.3, Error ellipse: s-maj=89.8km s-min=13.4km az=73.0, Banda Sea

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

IDC 08 13:21:12.2-2.5, 21.97N-143.32E, h201km, 21km, mb3.4/7, mb1 3.7/8, mb1mx3.4/2.1, Error ellipse: s-maj=27.4km s-min=17.3km az=100.0

ISC 08 13:08:00.1, 5.2, 6.22, 0.0, 1.143, 3E, 0.3, h210km, 21km, mb1, 0-0866/10, mb3.4, Mariana Islands region

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

BUI 08 13:24:32.3, 10.40N-141.98E, h44km, mb5.0, mb5.2, Ms4.6, Msz4.4

MOS 08 13:24:38.2-0.9, 9.1101N-141.23E, h43km, mb5.7/35, Error ellipse: s-maj=9.9km s-min=7.0km az=90.3

HRVD 08 13:24:39.6-0.2, 10.90N-141.36E, h57km, MW5.2/58, Centroid moment Tensor Solution. LP body waves: s54, c103, Mantle waves: s58, c103. Half duration: 0

Moment tensor: Scale 10^16Nm; Mw=6.17±.18; Mw=6.66±.11; Mw=0.49±.13; Mw=0.99±.11; Mw=1.46±.12; Mw=0.84±.11; Best double couple: M6.7x10^16 NP1: 0.249°, 84.2°, 7.75°; NP2=0.89°, 8.49°, 1.03°. Principal axes: T: 6.4, P: 7.9, N: 2.0, Azm=60°, P: 7, P: 4, Azm=169°; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s.

IDC 08 13:24:39.8-0.4, 10.91N-141.30E, h46km, 3km, mb5.0/30, mb1 5.1/31, mb1mx5.1/32, MS4.4/25, Ms1 4.4/25, ms1mx4.3/34 Error ellipse: s-maj=17.6km s-min=7.9km az=86.0

NEIC 08 13:24:39.6-0.1, 10.96N-141.31E, mb5.4/53, MS4.9/2, Error ellipse: s-maj=5.6km s-min=4.0km az=104.0

ISC 08 13:24:36.9-0.1, 10.91N-141.33E, 0.03, h43km, 3km, h43km, 1.5km, pP-P, n345, s1906/308, mb5.3/129, MS4.4/42, 21C-7D, Western Caroline Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Guam, Chichi jima, Wau, Zamboanga City, etc.

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

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



Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like AHID, HWUT, COBT, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual, and other technical details. Includes stations like KBS, KBS, SPA0, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like WMQ, MKAR, YAK, etc.





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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like VNA3, SBA, VNA, etc.

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

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

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

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

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



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Eielson Array, Inuvik, Sonseca Array, Yellowknife Ar, etc.

WEL 08 17:15:33.6 ± 1.1, 43.81N x 175.49E, h33km, ML3.5/2, Error ellipse: s-maj=9.7km s-min=6.9km az=90.0, Off east coast of South Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like McQueen's Vall, Lake Taylor, Cannon Point, etc.

INMG 08 17:16:22.3 ± 1.0, 41.40N x 8.61W, ML1.4, Error ellipse: s-maj=5.8km s-min=2.0km az=77.0

MDD 08 17:16:22.7 ± 0.8, 41.39N x 8.58W, h3km, 12km, mbLg1.4/9, Error ellipse: s-maj=6.7km s-min=3.3km az=67.0, PXRIMO

NEIC 08 17:16:24.1 ± 1.1, 41.47N x 8.51W, MN1.4(MDD), After MDD, ISC 08 17:16:20.7 ± 1.1, 41.42N x 0.04-8.63W, h5km, g8km, n20, c0812/23, Portugal

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

IDC 08 17:21:06.2 ± 1.3, 24.81N x 124.96E, mb3.5/3, mb1 3/7.4, mb1mx3.4/19, ML3.2/1, MS2.5/1, Ms1 2.5/1, ms1mx2.2/22, Error ellipse: s-maj=32.3km s-min=25.4km az=89.0

JMA 08 17:21:12.4 ± 0.1, 24.88N x 125.02E, h59km, 1km, M3.4, ISC 08 17:21:11.8 ± 0.4, 24.89N x 125.02E, 0.5, h61km, 5km, n18, c050/28, mb3.5/3, Southwestern Ryukyu Islands

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

IDC 08 17:30:57.1 ± 10.0, 24.52S x 176.29W, h54km, 96km, mb3.9/7, mb1 4/2.9, mb1mx4.0/18, ML4.7/2, MS3.8/6, Ms1 3.8/6, ms1mx3.5/22, Error ellipse: s-maj=81.6km s-min=33.3km

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

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

WEL 08 17:31:00.4 ± 0.1, 41.22S x 174.39E, h39km, ML5.4/5, C-1D, Error ellipse: s-maj=9.9km s-min=0.8km az=0.0, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Tory Channel, Makara Radio, South Karori, etc.

IDC 08 17:36:30.3 ± 10.0, 8.31S x 122.77E, h177km, 87km, mb3.5/1, mb1 3/4.4, mb1mx3.1/13, Error ellipse: s-maj=121.0km s-min=73.6km az=51.0

ISC 08 17:36:25.1 ± 2.5, 8.45S x 0.2-121.8E, 0.3, h200km, n4, c084/6, mb3.7/1, Flores region

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

IDC 08 17:42:08.6 ± 4.6, 6.52S x 100.70E, mb3.3/4, mb1 3/4.4, mb1mx3.4/14, Error ellipse: s-maj=176.0km s-min=25.5km az=53.0, Southwest of Sumatera

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

IDC 08 17:43:54.8 ± 0.8, 12.91N x 88.40W, h39km, 6km, mb4.2/13, mb1 4.4/14, mb1mx4.2/20, ML4.4/1, MS3.7/13, Ms1 3.7/13, ms1mx3.6/23, Error ellipse: s-maj=31.3km s-min=12.7km az=55.0

MD4.3(SNET), MD4.3(CASC), Error ellipse: s-maj=9.7km s-min=4.0km az=46.0

NEIC Felt [I] at San Salvador, El Salvador, ISC 08 17:43:54.7 ± 0.3, 12.72N x 0.04-88.67W, 0.03, h61km, 9km, n154, c1804/169, mb4.4/32, 19C-29D, Off coast of Central America

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

comp=E, 16um, 0.4s, APYV Apoyeque, 2.31 102 eP P 17 44 31.2 -0.1

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

comp=E, 701nm, 0.3s, CRZC La Cruz, 3.48 120f eP P 17 44 47.8 +0.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Escuela Geolog, La Lucha 2, etc.

comp=E, 18nm, 0.6s, mb4.6, TXAR Lajitas Array, 21.62 322 P P 17 48 38.2 +1.8

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

comp=E, 20nm, 0.7s, mb4.8, WCI Wyandotte Cave, 25.49 4 eP P 17 49 18.4 -0.5



comp=Z,6,1nm,0.7s,mb4,4,baz=356,slow=3.4,SNR=24

AS12	Alice Springs	84.99 220	eP	P	20 24 21.0	+1.0
ASAR	Alice Springs	84.99 220	eP	P	20 24 21.1	+1.1
SKTA	Stephens Creek	89.78 210	eP	P	20 24 44.4	+1.7
SKTA	Stephens Creek	89.78 210	eP	P	20 24 44.2	+1.5
QSPA	South Pole Qui	142.12 180	eP	P	20 31 11.2	-1.5
LBTB	Lotbatse	145.69 312	ePKP2	PKPab	20 31 23.8	-0.2
MAW	Mawson	146.11 218	ePKPbc	PKPbc	20 31 23.6	+2.5

IDC 08 20:23:14.2,2.5, 6.09S: 103.64E, mb3.5/8, mb1 3.7/8, mb1mx3.7/16, Error ellipse: s-maj=117.0km s-min=16.7km az=54.0

NEIC 08 20:23:20.0,0.8, 6.35S: 103.26E, h60km, Error ellipse: s-maj=31.7km s-min=14.3km az=220.0

ISC 08 20:23:18.2,0.8, 6.45E,0.2,103.2E,0.2, h60km, n12, c0597/12, mb3.5/8, Southwest of Sumatra

Code	Station Name	Δ° AZ°	Phase ID	Time Res	h m s	ISC
FITZ	Fitzroy Crossi	24.76 120	Op	P	20 28 35.3	+0.5
CMAR	Chiang Mai Arr	25.06 350	P	P	20 28 37.6	-1.2
WGAR	Warramunga Arr	45.63 260	eP	P	20 29 28.1	-0.6
DGAR	Diego Garcia	39.06 117	P	P	20 29 48.0	-1.5
WRAB	Tennant Creek	33.07 117	P	P	20 29 50.2	-0.3
ASAR	Alice Springs	34.11 123	P	P	20 30 00.0	+0.6
SKTA	Stephens Creek	48.35 130	eP	P	20 31 22.2	+1.8
SONM	Songino Array	54.08 3	P	P	20 32 39.5	+0.4
MKAR	Makanchi Arr	56.14 343	eP	P	20 32 54.2	+0.3
MKAR	Makanchi Arr	56.14 343	eP	P	20 32 54.2	+0.3
BVAR	Borovoye Array	65.41 339	P	P	20 33 57.6	+0.8
CHKZ	Chkalovo	65.86 339	eP	P	20 34 03.4	+3.8

IDC 08 20:24:21.8,1.6, 18.65S:176.69W, mb4.1/5, mb1 4.3/5, mb1mx4.0/15, Error ellipse: s-maj=49.1km s-min=37.0km az=161.0

ISC 08 20:24:35.3,3.1, 18.9S:177.2W,0.3, h100km, n16, c0588/14, mb4.1/5, 3C-20, Fiji Islands region

Code	Station Name	Δ° AZ°	Phase ID	Time Res	h m s	ISC
SKTA	Stephens Creek	39.22 243	P	P	20 31 56.5	+0.8
WB2	Warramunga Arr	45.63 260	eP	P	20 32 47.5	-0.4
WRA	Warramunga Arr	45.64 260	eP	P	20 32 47.8	-0.2
AS12	Alice Springs	45.69 255	eP	P	20 32 48.3	0.0
ASAR	Alice Springs	45.69 255	eP	P	20 32 48.4	0.0
FITZ	Fitzroy Crossi	54.05 261	eP	P	20 33 51.5	-0.7
FITZ	Fitzroy Crossi	54.05 261	eP	P	20 33 52.8	+0.5
VNDA	Vanda	59.56 185	P	P	20 34 29.6	-0.8
SNA3	Sanae	89.57 178	P	P	20 37 24.7	+2.3
VNA3	Neumayer Olymp	89.67 176	P	P	20 37 22.8	-1.5
VNA2	Neumayer-Watz	90.12 177	P	P	20 37 24.2	-0.8
VNA2	Neumayer-Watz	90.12 177	P	P	20 37 25.3	+0.3
VNA1	Neumayer-Stat	90.34 176	P	P	20 37 26.0	0.0
BVAR	Borovoye Array	118.37 321	PKP	PKPpdf	20 43 10.0	-1.2
ARCES	ARCES Array B	127.50 350	PKP	PKPpdf	20 43 28.0	-0.4

IDC 08 20:34:46.3,2.6, 55.16N:159.39W, mb3.8/9, mb1 3.9/12, mb1mx3.9/23, ML3,4/3, Error ellipse: s-maj=70.8km s-min=23.4km az=156.0

NEIC 08 20:34:52.0,0.7, 55.06N:159.28W, h43km, 5km, ML3.6(AE/C), Error ellipse: s-maj=12.9km s-min=3.3km az=151.0

ISC 08 20:34:50.0,0.8, 55.00N:0.08:159.15W,0.07, h45km, 7km, n47, c0587/55, mb3.7/9, South of Alaska

Code	Station Name	Δ° AZ°	Phase ID	Time Res	h m s	ISC
SDPT	Sand Point	0.84 295	Op	P	20 35 04.0	+0.9
SDPT	Sand Point	0.85 295	P	P	20 35 05.1	-0.5
SDN	Sand Point	0.85 295	P	P	20 35 05.1	-0.5
PS1A	Pavlov South-1	1.55 287	P	P	20 35 16.1	+0.5
PS1A	Pavlov South-1	1.55 287	P	P	20 35 16.1	+0.5
PVU	Pavlov Volcano	1.56 285	P	P	20 35 15.6	-0.2
DOL	Dolgoy Island	1.57 277	P	P	20 35 35.1	+0.1
DOL	Dolgoy Island	1.57 277	P	P	20 35 35.1	+0.1
HAG	Hague Volcano	1.61 283	P	P	20 35 16.7	+0.1
PN6	Pavlov North-6	1.65 287	P	P	20 35 17.3	+0.2
PN6	Pavlov North-6	1.65 287	P	P	20 35 17.3	+0.2
PN7A	Pavlov North-7	1.69 286	P	P	20 35 18.3	+0.6
DTNA	Dutton South F	1.79 276	P	P	20 35 18.2	-0.2
DTNA	Dutton South F	1.79 276	P	P	20 35 18.2	-0.2
DRIA	Deer Island	1.80 270	P	P	20 35 18.3	-0.9
DT1	Dutton Round H	1.81 275	P	P	20 35 18.8	-0.5
DT1	Dutton Round H	1.81 275	P	P	20 35 18.8	-0.5
BLA	Black Hill	1.81 294	P	P	20 35 43.4	+0.2
BALA	Baldy Mountain	1.20 277	P	P	20 35 19.1	+0.2
FALS	False Pass	2.47 268	P	P	20 35 29.1	+0.4
FALS	False Pass	2.47 268	P	P	20 36 00.4	+2.7
SSWL	Shishaldin Wes	2.88 268	P	P	20 35 33.9	-0.8
WESN	West Dahl North	3.18 264	P	P	20 35 39.5	+0.7
WESN	West Dahl East	3.27 265	P	P	20 35 40.8	+0.8
WPOG	Pogromni	3.27 265	P	P	20 35 40.5	+0.4
WESS	West Dahl Sout	3.27 263	P	P	20 35 40.8	+0.7
KJL	Kejulik	3.65 31	P	P	20 35 46.3	+0.8
CAHL	Cahill	3.73 33	P	P	20 35 47.0	+0.4
CNTC	Contact Creek	3.74 27	P	P	20 35 47.4	+0.2
ANCK	Angle Creek	3.85 32	P	P	20 35 48.3	+0.9
MGLS	Mageik LS	3.85 32	P	P	20 35 48.6	+0.2
AHB	Akutan Harbor	3.98 260	P	P	20 35 50.5	+0.4
UNV	Unalaska Valle	4.45 258	P	P	20 35 56.0	-0.8
UNV	Unalaska Valle	4.45 258	P	P	20 36 47.1	-0.8
MTBL	Makushin Table	4.51 260	P	P	20 35 57.1	-0.6
MNAT	Makushin Natee	4.54 259	P	P	20 35 57.2	-0.8
KDAK	Kodiak Island	4.59 50	P	P	20 35 57.8	-1.0
MCIR	Makushin Cirqu	4.64 260	P	P	20 35 59.0	-0.5
TT01	Tatalina	8.10 10	P	P	20 36 47.2	-0.5
DT1	Dutton Round H	11.30 11	P	P	20 37 31.4	-0.5
ILAR	Elislon Array B	11.55 27	Pn	P	20 37 30.6	-4.3
DLBC	Dease Lake	16.29 66	Pn	P	20 38 37.0	+0.4
INK	Inuvik	17.85 32	P	P	20 38 54.6	-1.6
YKA	Yellowknife Ar	23.86 54	P	P	20 40 01.1	+1.6
SONM	Songino Array	54.99 305	eP	P	20 44 17.8	-0.7
SONM	Songino Array	54.99 305	eP	P	20 45 17.8	-0.7
KAF	Kangasniemi	63.15 357	eP	P	20 45 11.7	-3.2
FINES	FINES Array B	63.83 357	P	P	20 45 18.6	-0.6
NOA	NORSAR Array B	64.06 5	P	P	20 45 20.4	-0.2
NOA	NORSAR Array B	64.06 5	P	P	20 45 20.4	-0.2
BVAR	Borovoye Array	64.82 329	P	P	20 45 25.0	-0.7
MKAR	Makanchi Arr	66.14 319	P	P	20 45 33.5	-0.8
MKAR	Makanchi Arr	66.14 319	P	P	20 45 33.5	-0.8
GERES	GERES Array B	75.55 27	Pn	P	20 46 36.4	+1.0
CMAR	Chiang Mai Arr	81.70 290	P	P	20 47 05.4	+0.4
ESDC	Sonsec Array	83.34 19	P	P	20 47 14.4	+1.4

NNC 08 20:36:47.6,6.3, 38.21N:70.61E, mpv3.7, Error ellipse: s-maj=68.1km s-min=55.7km az=95.0

ISC 08 20:36:39.1,3.1, 37.7N,0.3:72.0E,0.5, h236km, 56km, n12, c0538/14, 3C-10, Tajikistan

Code	Station Name	Δ° AZ°	Phase ID	Time Res	h m s	ISC
AML	Almayashu	4.65 16	Op	P	20 37 53.4	-0.3
UCH	Uchtor	4.95 22	P	P	20 37 50.9	+0.6
EKS2	Erkin-Say	5.18 15	P	P	20 37 57.9	+0.6
AAK	Ala-Archa	5.32 20	P	P	20 37 59.1	+0.1
KK31	Kararay Array	5.56 349	P	P	20 38 02.2	+0.1
KK31	Kararay Array	5.56 349	P	P	20 38 02.2	+0.1
CHMS	Chumysh	5.73 21	P	P	20 38 04.4	+0.2
KOLN	Koldanda	13.85 132	eP	P	20 39 46.9	0.0
GKN	Gorkha	14.31 129	eP	P	20 39 52.4	-0.2
AB31	Akbulak array	14.52 327	P	P	20 40 00.3	+5.3
AB31	Akbulak array	14.52 327	P	P	20 40 00.3	+5.3
KKN	Kakani	14.86 128	eP	P	20 39 58.9	-0.5
DMN	Daman	14.88 129	eP	P	20 39 59.7	+0.1
PKI	Pulchoki	15.10 128	eP	P	20 40 03.0	+0.7

IDC 08 20:39:45.6,1.3, 36.28N:141.03E, mb3.7/8, mb1 3.9/9, mb1mx3.7/22, ML4.0/1, Error ellipse: s-maj=51.9km s-min=20.7km az=80.0

JMA 08 20:40:22.4,0.1, 38.89N:139.72E, h155km, 1km, M3.0

ISC 08 20:40:21.0,0.5, 38.90N:0.05:139.71E,0.07, h161km, 4km, n23, c060/33, mb3.6/6, Near west coast of eastern Honshu

Code	Station Name	Δ° AZ°	Phase ID	Time Res	h m s	ISC
JYA	Atsumi	0.31 180	Op	P	20 40 43.5	+0.2
JYA	Atsumi	0.31 180	Op	P	20 40 43.5	+0.2
JTB	Tobi-shima	0.32 338	P	P	20 40 59.8	-0.6
JTB	Tobi-shima	0.32 338	P	P	20 40 59.8	-0.6
JYK	Kaneyama	0.51 88	eS	S	20 40 47.0	+0.7
JYS	Shirataka	0.73 158	P	P	20 40 45.8	+0.6
JYW	Yuwa	0.75 31	P	P	20 40 46.0	+0.7
JRG	Rokugo	0.87 55	P	P	20 40 45.6	+0.5
JRG	Rokugo	0.87 55	P	P	20 40 45.6	+0.5
JOU	Okura	0.92 125	P	P	20 40 45.4	0.0
JOG	Oga 2	1.01 3	P	P	20 40 47.9	+0.8
JOG2	Oga 2	1.01 3	P	P	20 40 47.9	+0.8
JNS	Sasagaki	1.12 196	P	P	20 40 48.7	+0.7
JNS	Sasagaki	1.12 196	P	P	20 40 48.7	+0.7
JIM	Ichinosue	1.18 87	P	P	20 40 48.8	+0.2
JMK	Marumori	1.34 140	P	P	20 40 50.4	+0.3
JOM	Ohama	1.35 64	P	P	20 40 50.8	+0.5
JOM	Ohama	1.35 64	P	P	20 40 50.8	+0.5
JIO	Ouri	1.36 109	P	P	20 41 12.4	-0.5
JIO	Ouri	1.36 109	P	P	20 41 12.4	-0.5
JSD	Sado	1.43 233	eS	S	20 41 12.1	-0.8
JSD	Sado	1.43 233	eS	S	20 41 12.1	-0.8
JAT	JANG Nango	2.03 43	P	P	20 41 58.1	+0.7
JAT	JANG Nango	2.03 43	P	P	20 41 58.1	+0.7
MAT	Matsushiro	2.64 207	P	P	20 40 55.3	+0.4
MAT	Matsushiro	2.64 207	P	P	20 40 55.3	+0.4
ASJ	Asahikawa	5.64 22	Pn	P	20 41 42.8	-1.1
ASJ	Asahikawa	5.64 22	Pn	P	20 41 42.8	-1.1
SONM	Songino Array	25.65 301	P	P	20 45 37.5	+0.4
BVAR	Makanchi Arr	42.01 300	P	P	20 47 57.7	+0.2
BVAR	Makanchi Arr	42.01 300	P	P	20 47 57.7	+0.2
MKAR	Makanchi Arr	48.33 311	P	P	20 48 47.3	-0.2
MKAR	Makanchi Arr	48.33 311	P	P	20 48 47.3	-0.2
ARCES	ARCES Array B	61.78 339	P	P	20 50 23.3	-0.9
ARCES	ARCES Array B	61.78 339	P	P	20 50 23.3	-0.9
FINES	FINES Array B	66.54 331	P	P	20 50 54.2	-0.8
FINES	FINES Array B	66.54 331	P	P	20 50 54.2	-0.8
NOA	NORSAR Array B	71.95 336	P	P	20 51 27.8	-0.1
NOA	NORSAR Array B	71.95 336	P	P	20 51 27.8	-0.1

NNC 08 20:54:52.0,1.6, 43.57N:84.43E, mpv3.0, Error ellipse: s-maj=59.1km s-min=14.2km az=65.0

BUI 08 20:54:56.6, 43.62N:84.19E, h14km, ML3.0, 3C, Northern Xinjiang

Code	Station Name	Δ° AZ°	Phase ID	Time Res	h m s	ISC
WMQ	Urumqi	2.55 84	Op	P	20 55 39.2	+0.9
WMQ	Urumqi	2.55 84	Op	P	20 56 11.2	+1.9
WMQ	Urumqi	2.55 84	Op	P	20 56 11.2	+1.9
WMQ	Urumqi	2.55 84	Op	P	20 56 11.2	+1.9
WMQ	Urumqi	2.55 84	Op	P	20 56 11.2	+1.9
MK31	Makanchi Arr	3.45 338	Pn	P	20 55 51.4	+0.4
MK31	Makanchi Arr	3.45 338	Pn	P	20 55 51.4	+0.4
MK31	Makanchi Arr	3.45 338	Pn	P	20 55 51.4	+0.4
MK31	Makanchi Arr	3.45 338	Pn	P	20 55 51.4	+0

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DMN Daman, PKI Pulchoki, LSA Lhasa, etc.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ASAR Ulaanbaatar, SONM Songino Array, STKA Stephens Creek, etc.

IGQ 08 22:25:48.0, 1.025Sx78.41W, h5km2km, mb4.0, 17C-5D, Error ellipse: s-maj=1.1km s-min=0.5km az=2.5,

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PISA Pisayambo, MARY Rancho Maria, TAMB Tambo, etc.

IDC 08 22:34:18.8:5.0, 32.81Sx178.89W, mb4.5/2, mb1 4.8/2, mb1mx4.1/12, Error ellipse: s-maj=213.0km s-min=52.3km az=160.0,

NEIC 08 22:34:18.7:1.1, 33.03Sx178.72W, h10km, mb4.4/3, Error ellipse: s-maj=38.5km s-min=25.1km az=195.0, South of Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AS12 Alice Springs, ASAR Alice Springs, WB2 Warramunga Arr, etc.

IDC 08 22:56:58.8:2.1, 0.93Nx126.58E, mb3.3/3, mb1 3.6/3, mb1mx3.3/3, Error ellipse: s-maj=25.3km s-min=6.0km az=56.0, Northern Molucca Sea

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

LDG 08 23:19:31.0:0.1, 46.26Nx7.69E, h2km, Md2 6/3, ML2 4/11, Error ellipse: s-maj=2.3km s-min=1.4km az=109.0,

NEIC 08 23:19:31.8, 46.25Nx7.68E, h2km, ML2 5(VIE), ML2 4(LDG), ML2 3(STR), After STR.

ZUR 08 23:19:31.3, 46.27Nx7.62E, h4km, ML1 7/8, Error ellipse: s-maj=2.3km s-min=1.4km az=109.0,

ISC 08 23:19:31.5:0.3, 46.27N:0.02x7.52E:0.02, h4km, n29, e132/48, 4C-4D, Switzerland

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LKBD Leukerbad, SENIN Lac Senin, DIX Grande Dixence, etc.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ORIF Oris-en-Rattie, HAU Hautdomppe, DAVA Damaels, etc.

WEL 08 23:36:59.7:0.5, 35.62Sx178.78E, h288km, 10km, ML4.1/6, Error ellipse: s-maj=14.0km s-min=12.1km az=0.0, Off east coast of North Island

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

INMG 08 23:55:15.7:1.1, 40.71N:7.38W, h12km, 5km, ML1.8, Error ellipse: s-maj=4.0km s-min=3.0km az=97.0,

MDD 08 23:55:15.7:0.4, 40.69N:7.41W, h20km, 2km, mbLg1.8/17, Error ellipse: s-maj=4.9km s-min=2.4km az=82.0, PRXMO

NEIC 08 23:55:27.4, 41.13N:7.34W, ML1.5(MDD), After MDD, Error ellipse: s-maj=4.9km s-min=2.4km az=82.0, PRXMO

ISC 08 23:55:14.3:0.5, 40.69N:0.02x7.34W:0.06, h29km, 5km, n29, e112/40, 2D, Portugal

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MTE Manteigas, PVIS Viseu, PVRL Vila Real, etc.

Table with columns: EADA, Adamuz, 3.30 139 Sn, Sn, 23 56 43.6 -0.6, EADA, 1.2nm, 0.5s, SNR=7.9 Lg, 23 56 58.5

JMA 09 00:03:39.1-0.4, 32.94N-142.30E, h35km, M3.6
IDC 09 00:03:42.2-1.1, 32.96N-141.80E, mb3.6/3, mb1 3.7/3,
mb1mx3.5/19, MS2.6/1, Ms1 2.6/1, ms1mx2.2/22, Error
ellipse: s-maj=48.0km s-min=25.5km az=47.0

ISC 09 00:03:40.3-2.6, 32.99N-0.07-142.0E-0.1, h6km-19km,
n11, c0559/13, mb3.6/3, Southeast of Honshu

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

ROM 09 00:15:55.1-0.2, 43.87N-13.70E, h5km, MD3.2/16,
ML2.4/18, Error ellipse: s-maj=1.8km s-min=1.3km
az=90.0

NEIC 09 00:15:55.2, 43.87N, 13.70E, h5km, ML3.2(RMZ),
ML3.2(VIE), ML2.6(LDG), ML2.6(FUR), ML2.5(SZGRF),
After ROM

LDG 09 00:15:57.4-0.2, 43.90N-13.58E, h10km, MI2.6/10, Error
ellipse: s-maj=3.6km s-min=2.4km az=81.0

ISC 09 00:15:54.7-0.3, 43.93N-0.01-13.67E-0.03, h5km, n81,
+1925/134, 23C-30 Central Italy

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

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

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

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

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

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

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

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

Table with columns: KBA, KBA, comp=Z, 1.2nm, 0.4s, SCE, Schlegels, 3.40 337 Pn, Pn, 00 16 50.0 +0.5

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

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

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

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

JMA 09 00:31:01.7-0.3, 24.72N-122.07E, h1km, M3.4
TAP 09 00:31:02.4, 24.31N-122.08E, h13km, 1km, ML3.8

ISC 09 00:31:02.2-1.1, 24.7N-0.3-122.1E-0.1, h41km, n6,
c067/12, Taiwan region

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

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

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

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

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

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

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

Table with columns: KAKA, Kakadu, 49.61 272 eP, P, 00 43 22.3 -0.6

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

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

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

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

IDC 09 01:20:14.2-1.7, 61.64S-154.79E, mb4.4/5, mb1 4.6/6,
mb1mx4.5/10, ML4.6/1, MS4.3/7, Ms1 4.3/7, ms1mx4.1/12,
Error ellipse: s-maj=11.0km s-min=30.5km az=73.0

NEIC 09 01:20:15.0, 61.84S-154.78E, h10km, mb4.4/2, Error
ellipse: s-maj=63.2km s-min=12.7km az=74.0

ISC 09 01:20:12.9-1.7, 61.7S-0.2-155E-1.1, h10km, n17, c087/10,
mb4.3/6, MS4.2/7, Balleny Islands region

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

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

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

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

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

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

IDC 09 01:49:51.9-1.6, 11.04S-73.40W, mb3.7/6, mb1 4.0/6,
mb1mx3.9/16, MS3.5/1, Ms1 3.5/2, ms1mx3.1/20, Error
ellipse: s-maj=141.0km s-min=27.6km az=55.0



Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Nana, El Rosal, Villa Florida, etc.

MOS 09 01:55:46.0, 9.1, 5.0S, 100.50E, h40km, mb6.0/36, MS4.6/15, Error ellipse: s-maj=10.4km s-min=5.3km az=113.9

DJA 09 01:55:48.7, 0.5, 1.58S, 100.52E, h58km, 7km, mb5.0/3, Error ellipse: s-maj=32.6km s-min=6.6km az=56.0

CSEM 09 01:55:49.7, 0.76S, 100.48E, h40km, mb5.5, HRVD 09 01:55:50.7, 0.2, 1.75S, 100.29E, h51km, MW5.4/69, Centroid moment Tensor Solution. LP body waves: s68, c137, Mantle waves: s69, c132; Half duration: 1s2

NEIC 09 01:55:50.7, 0.1, 1.55S, 100.54E, h66km, MB5.5, Error ellipse: s-maj=4.9km s-min=3.1km az=218.0, Moment Tensor Solution. s16 Moment tensor: Scale 10^17Nm; M=0.64+-0.02; M=0.61+-0.03; M=0.84+-0.02; M=0.68+-0.02; M=0.47+-0.02; Best double couple: M=1.59x10^17 NP1: phi=324, delta=28, lambda=107; NP2: phi=125, delta=64, lambda=81; Principal axes: T 1.58, P1g70, Azm17; N.02, P1g8, Azm129; P -1.61, P1g18, Azm221; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

SYO 09 01:55:50.7, 1.55S, 100.54E, h66km, MB5.5, IDO 09 01:55:51.5, 0.5, 1.60S, 100.59E, h70km, 3km, mb5.2/29, mb1 5.3/30, mb1 mx5.3/30, MS4.6/17, Ms1 4.6/17, ms1 mx4.5/19, Error ellipse: s-maj=13.6km s-min=7.6km az=48.0

ISC 09 01:55:47.0, 0.5, 1.55S, 100.03, h53km, 4km, h66km, 1.5km; PP-P, n660, o8992/572, mb5.5/158, MS4.7/61, 10C-36D, Southern Sumatara

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Padang Panjang, Kapanggih, GSI, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GYA, HYB, BLSP, FITZ, etc.

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





Table with columns for station name, frequency, power, and other technical details. Includes stations like SAFT, SIM, SEY, TIKI, MDU, etc.

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

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



NEIC 09 03:18:58.8, 67.86N, 10.45E, h4km, ML2.5(BER), After BER.  
 HEL 09 03:18:59.8, 0.5, 67.89N, 10.66E, h10km, ML2.8, MD2.9(BER), ML2.4(BER)  
 BER 09 03:19:01.2, 4.7, 67.84N, 10.46E, h13km, 20km, MD2.9, ML2.4, ML2.5(NAO)  
 NAO 09 03:19:02.1, 5.6, 67.82N, 11.11E, h19km, 39km, ML2.5  
 ISC 09 03:19:01.8, 0.9, 67.89N, 0.03, 11.7E, 0.1, h10km, n29,  $\alpha$ 133/56, Norwegian Sea

Code	Station Name	$\Delta^\circ$	AZ $^\circ$	Phase ID	Time	Res
					h m s	ISC
LOF	Lofoten	0.84	57	Op	03 19 22.6	+4.7
LOF	Lofoten			Pg	03 19 42.0	+12
LOF	Lofoten			eSg	03 19 43.7	
STOK	Stokkvaagen	1.46	158	eP	03 19 30.5	+2.2
STOK	Stokkvaagen			Sb	03 19 51.0	+4.0
MOR8	Moi Rana	1.87	143	eP	03 19 37.9	+3.6
MOR8	Moi Rana			Sb	03 20 04.3	+6.3
MOR8	Moi Rana			AML	03 20 07.8	
MOR8	Moi Rana	1.87	143	eP	03 19 37.9	+3.6
MOR8	Moi Rana			Sb	03 20 07.8	
NSS	Namsos	3.17	178	eP	03 19 51.5	-1.3
NSS	Namsos			Sb	03 20 30.2	+0.8
TRO	Tromsø	3.34	50	eP	03 19 53.8	-0.7
TRO	Tromsø			Sb	03 20 33.3	-0.9
KIF	Kilpisjärvi	3.60	54	eP	03 20 04.0	+1.0
KIF	Kilpisjärvi			Sb	03 20 43.4	+0.6
KTK1	Kautokeino	4.49	67	eP	03 20 11.7	+0.3
KTK1	Kautokeino			Sb	03 21 06.2	+1.8
ARA0	ARCESS Array S	5.39	64	eP	03 20 23.3	-1.0
ARA0	ARCESS Array S			Sb	03 21 25.8	-1.4
ARA0	ARCESS Array S			Lg	03 21 57.8	
ARA0	ARCESS Array S	5.39	64	eP	03 20 23.3	-1.0
ARA0	ARCESS Array S			Sb	03 21 25.8	-1.4
ARA0	ARCESS Array S			eS	03 21 57.8	
MOL	Molde	5.42	201	eS	03 21 18.1	-1.0
SGF	Sodankylä	5.70	86	eP	03 20 29.0	+0.5
SGF	Sodankylä			Sb	03 21 34.8	0.0
KEV	Kevo	5.95	63	eP	03 20 31.5	-0.7
KEV	Kevo			Sb	03 21 37.8	-3.5
KEV	Kevo			eS	03 21 37.8	-3.5
OUL	Oulu	6.28	108	eP	03 20 38.3	+1.5
OUL	Oulu			Sb	03 21 50.8	+1.4
OUL	Oulu			MSN	03 21 54.3	
YAF	Ylistaro	6.54	130	eP	03 20 42.6	+2.1
YAF	Ylistaro			Sb	03 21 58.5	+2.6
MSF	Maaselka	7.08	96	eP	03 20 48.1	0.0
MSF	Maaselka			Sb	03 22 08.8	-0.7
MSF	Maaselka			MSN	03 22 13.0	
KJN	Kajaani	7.49	111	eP	03 20 54.9	+1.2
KJN	Kajaani			Sb	03 22 18.1	-1.1
KJN	Kajaani			MSN	03 22 23.2	
HFS	Hagfors	7.63	172	Pn	03 20 52.6	-3.2
HFS	Hagfors			Sb	03 22 18.2	-5.0
HFS	Hagfors			Sb	03 20 52.6	-3.2
HFS	Hagfors			eS	03 22 18.2	-5.0
SUF	Sumiainen	7.85	122	eP	03 21 00.6	+1.7
SUF	Sumiainen			Sb	03 22 29.3	+0.6
SUF	Sumiainen			MSN	03 22 32.7	
KEF	Keuruu	7.87	128	eP	03 21 00.6	+1.5
KEF	Keuruu			Sb	03 22 29.2	+0.1
APAO	Apatty Array	8.12	81	eP	03 20 58.9	-3.7
APAO	Apatty Array			Sb	03 22 30.8	-4.5
APAO	Apatty Array			P	03 20 58.9	-3.7
APAO	Apatty Array			Sb	03 22 30.8	-4.5
APAO	Apatty Array			P	03 22 30.8	-4.5
APAO	Apatty Array			Sb	03 22 30.8	-4.5
KAF	Kangasniemi	8.12	81	eP	03 21 07.6	+1.9
KAF	Kangasniemi			Sb	03 22 40.9	-0.2
FIA0	FINESS Array S	8.79	129	Pn	03 21 11.1	-0.8
FIA0	FINESS Array S			Sb	03 22 51.6	-0.5
FIA0	FINESS Array S			Lg	03 23 43.5	
FIA0	FINESS Array S	8.79	129	eS	03 22 50.9	-1.2
PVF	Metsahovi	9.33	137	eP	03 21 20.0	+0.6
PVF	Metsahovi			Sb	03 23 04.3	-1.2
PVF	Metsahovi			P	03 21 19.8	-1.2
PVF	Metsahovi			Sb	03 23 06.8	-1.7
PVF	Metsahovi			MSN	03 23 10.7	
JOF	Joensuu	9.48	111	eP	03 21 20.1	-1.4
JOF	Joensuu			Sb	03 23 06.5	-2.7
JOF	Joensuu			MSN	03 23 09.9	

IDC 09 03:32:19.3, 1.8, 50.40N, 156.70E, mb3.4/5, mb1 3.9/7, mb1 mx3.6/23, ML3.7/2, Error ellipse: s-maj=63.8km s-min=20.2km az=168.0

MOS 09 03:32:23.1, 1.1, 50.21N, 157.14E, h57km, mb4.3/1, Error ellipse: s-maj=31.8km s-min=9.4km az=72.8

KRSC 09 03:32:26.9, 0.7, 50.44N, 157.22E, h35km, h3km, ML4.2  
 ISC 09 03:32:25.9, 0.7, 50.36N, 0.04, 157.34E, 0.06, h10km, n42,  $\alpha$ 118/69, mb3.5/5, 1.C, Kuril Islands

Code	Station Name	$\Delta^\circ$	AZ $^\circ$	Phase ID	Time	Res
					h m s	ISC
SKR	Severo-Kuril's	0.85	293	Op	03 32 40.6	+0.7
SKR	Severo-Kuril's			P	03 32 51.1	-1.6
SKR	Severo-Kuril's	0.85	293	iP	03 32 40.6	-0.7
SKR	Severo-Kuril's			iS	03 32 51.1	-1.6
SKR	Severo-Kuril's			pmax	03 32 40.6	-0.7
SKR	Severo-Kuril's			pmax	03 32 51.1	-1.6
SKR	Severo-Kuril's			pmax	03 32 40.6	-0.7
SKR	Severo-Kuril's			pmax	03 32 51.1	-1.6
SKR	Severo-Kuril's			pmax	03 32 40.6	-0.7
SKR	Severo-Kuril's			pmax	03 32 51.1	-1.6
PAU	Pauzhetka	1.16	343	eP	03 32 46.2	+0.5
PAU	Pauzhetka			S	03 33 00.4	-0.2
ALID	Alaid	1.25	295	eP	03 32 47.8	+0.7
ALID	Alaid			P	03 33 02.5	-0.5
MIPR	Malaya Ipe'l'ka	1.95	349	eP	03 33 19.1	-1.6
MIPR	Malaya Ipe'l'ka			Sb	03 33 19.1	-1.6
RUS	Russkaya	2.20	19	P	03 33 00.6	-0.1
RUS	Russkaya			S	03 33 24.8	-2.1
RUS	Russkaya			P	03 33 00.6	-0.1
RUS	Russkaya			S	03 33 24.8	-2.1
RUS	Russkaya			P	03 33 00.6	-0.1
RUS	Russkaya			S	03 33 24.8	-2.1
GRL	Gorelyy	2.24	11	eP	03 33 02.2	+0.9
GRL	Gorelyy			Sb	03 33 27.8	-0.2
KRMR	Karymshinskiy	2.52	11	eP	03 33 06.8	+1.5
KRMR	Karymshinskiy			Sb	03 33 36.0	+0.9
APC	Apacha	2.57	357	eP	03 33 06.5	+0.9
APC	Apacha			S	03 33 35.5	-0.8
PET	Petropavlovsk	2.79	17	P	03 33 09.2	+0.1
PET	Petropavlovsk			P	03 33 39.5	-2.4
PET	Petropavlovsk			S	03 33 09.2	+0.1
PET	Petropavlovsk			S	03 33 40.2	-1.7
PET	Petropavlovsk			eP	03 33 09.8	+0.7
PET	Petropavlovsk			S	03 33 41.1	-0.8
UGLR	Uglovaya	2.99	17	eP	03 33 13.1	+1.0
UGLR	Uglovaya			Sb	03 33 47.6	+0.4
AVH	Avacha	3.03	16	eP	03 33 14.1	+1.5
AVH	Avacha			Sb	03 33 48.4	+0.3
KOK	Koryaka	3.04	15	iP	03 33 14.8	+2.1
KOK	Koryaka			Sb	03 33 49.6	+1.2
SMAR	Somma	3.04	17	eP	03 33 13.8	+1.0
SMAR	Somma			Sb	03 33 48.6	+0.2
SDLR	Sedlovina	3.07	18	eP	03 33 13.7	+0.5
SDLR	Sedlovina			Sb	03 33 48.8	-0.3

Code	Station Name	$\Delta^\circ$	AZ $^\circ$	Phase ID	Time	Res
					h m s	ISC
NLC	Nalytchevo	3.07	23	P	03 33 12.5	-0.7
NLC	Nalytchevo			S	03 33 45.0	-4.2
NLC	Nalytchevo	3.07	23	eP	03 33 12.5	-0.7
NLC	Nalytchevo			Sb	03 33 45.0	-4.2
SPN	Mys Shipunski	3.21	30	eP	03 33 15.8	+0.5
SPN	Mys Shipunski			Sb	03 33 50.9	-1.7
SPN	Mys Shipunski	3.21	30	eP	03 33 15.2	+0.1
SPN	Mys Shipunski			Sb	03 33 50.7	-1.8
GNL	Ganay	3.36	6	eP	03 33 18.5	+1.3
GNL	Ganay			Sb	03 33 26.0	+1.1
KII	Karymskiy	3.90	19	eP	03 34 08.8	-1.4
KII	Karymskiy			Sb	03 34 36.6	-1.6
KII	Karymskiy	3.90	19	eP	03 34 08.8	-1.4
KII	Karymskiy			Sb	03 34 36.6	-1.6
MKZ	Mys Kozlova	4.98	31	P	03 33 38.9	-1.4
MKZ	Mys Kozlova			Sb	03 34 31.4	-6.1
MKZ	Mys Kozlova	4.98	31	eP	03 33 39.5	-0.8
MKZ	Mys Kozlova			Sb	03 34 32.5	-0.9
TUMR	Tumrok	5.21	18	eP	03 33 44.5	+1.0
KMNR	Kamenistaya	5.68	17	eP	03 33 50.4	+0.4
KPT	Kopyto	5.87	16	P	03 33 54.7	+2.0
ZLN	Zelenaya	6.03	19	eP	03 33 55.7	+0.7
LGNR	Logvinova	6.07	18	eP	03 33 57.3	+1.8
CIRR	Tsirik	6.11	19	eP	03 33 57.1	+1.0
KBTR	Krutoberegovo	6.71	27	P	03 34 02.9	-1.7
KBTR	Krutoberegovo			Sb	03 34 30.0	-1.6
FX1	Attu Island-F	10.16	70	Pn	03 34 50.7	-1.5
FX1	Attu Island-F			Sb	03 35 35.5	-1.1
ASAJ	Asahikawa	11.80	244	Pn	03 35 03.4	-1.1
INK	Inuvik	37.09	35	P	03 39 31.4	-2.6
YKA	Yellowknife Arr	46.35	40	P	03 40 47.9	-1.8
YKA	Yellowknife Arr			Sb	03 40 56.1	-5.4
MKAR	Makanchi Array	67.22	296	P	03 40 56.1	-5.4
MKAR	Makanchi Array			Sb	03 42 32.5	-1.1
PDAR	Pinedale Array	40.38	58	P	03 42 32.5	-1.1
PDAR	Pinedale Array			Sb	03 43 54.6	-1.0
TXAR	Lajitas Array	73.33	64	P	03 43 54.6	-1.0
TXAR	Lajitas Array			Sb	03 43 54.6	-1.0

WAR 09 03:34:07.6, 50.26N, 18.88E, ML2.5, Mining Induced  
 PRU 09 03:34:09.8, 50.26N, 18.88E

Code	Station Name	$\Delta^\circ$	AZ $^\circ$	Phase ID	Time	Res
					h m s	ISC
RAC	Raciborz	0.50	235	Op	03 34 17.0	+1.0
RAC	Raciborz			Pg	03 34 24.0	+1.4
OJC	Ojcow	0.64	103	eP	03 34 20	



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

CASC 09 05:49:58.1, 1.6, 12.70N-88.90W, h21km, 5km, MD3.8
ISC 09 05:49:58.1, 1.6, 12.63N-0.04-88.93W, 0.04, h7km, 13km,
n21, c061/37, 8C-5D, Off coast of Central America

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SAN VICENTE, EL FARO, SAN MIGUEL.

BER 09 06:03:29.7, 3.6, 78.26N-9.22E, ML2.1 (NAO)
NAO 09 06:03:31.3, 8.78, 78.27N-10.22E, ML2.1, Svalbard region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KINGSBAY, SPITSBERGEN ARR.

NEIC 09 06:10:35.2, 37.59N-3.08E, After MDD.
MDD 09 06:10:35.1, 1.9, 37.58N-3.09E, mb3.7/13, Error ellipse:
s-maj=19.2km s-min=9.0km az=131.0, PRXIMO, Western Mediterranean Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IBIZA, MALLORCA, ETOS.

ISC 09 06:32:43.3, 3.4, 50.74N-177.37E, mb3.1/3, mb1 3.5/4,
mb1mx3.3/22, ML2.1/1, Error ellipse: s-maj=72.9km
s-min=15.1km az=22.0

NEIC 09 06:32:47.1, 49.90N-178.00E, h5km, ML3.6(AEIC), After AEIC.

ISC 09 06:32:46.0, 2.1, 50.80N-0.2-177.18E, 0.09, h36km, 16km,
n9, c085/13, mb3.1/3, Rat Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FX1, KIMD, ADK.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YKA, TXAR.

NEIC 09 06:43:03.0, 53.56N-162.79W, h6km, ML3.1(AEIC), After AEIC.
ISC 09 06:43:02.8, 24.0, 53.56N-162.66W, mb3.2/3, mb1 3.5/4,
mb1mx3.3/21, ML3.0/1, MS3.2/1, Ms1 3.2/1, ms1mx2.7/13,
Error ellipse: s-maj=472.0km s-min=38.2km az=84.0

ISC 09 06:43:00.5, 0.8, 53.52N-0.06-162.80W, 0.07, h6km, n23,
c061/26, mb3.1/2, MS3.1/1, South of Alaska

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FALS, WESE, SSSLW.

ISC 09 07:12:43.6, 1.9, 8.20S-124.82E, mb3.7/1, mb1 4.3/3,
mb1mx3.9/12, ML4.1/2, Error ellipse: s-maj=191.0km
s-min=31.4km az=59.0

NEIC 09 07:12:54.0, 1.2, 8.90S-124.29E, h95km, Error ellipse:
s-maj=27.6km s-min=14.8km az=55.0

ISC 09 07:12:59.7, 1.9, 9.28S-0.10-124.5E, 0.1, h186km, 22km,
n9, c1919/15, mb3.6/1, 1C, Timor region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KAKA, FITZ, WRA.

CASC 09 07:14:51.9, 2.4, 8.91N-84.05W, h8km, 12km, MD4.1
ISC 09 07:14:53.7, 2.2, 8.97N-83.96W, mb3.9/6, mb1 4.0/7,
mb1mx3.8/18, ML1.9/1, MS3.2/1, Ms1 3.2/1, ms1mx2.6/18,
Error ellipse: s-maj=64.4km s-min=32.5km az=40.0

ISC 09 07:14:51.3, 1.1, 8.84N-0.06-84.10W, 0.05, h24km, 7km,
n29, c1917/32, mb3.9/6, 6C-7D, Off coast of Costa Rica

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LCR2, ACR, ACR.

ISC 09 07:26:12.2, 4.2, 15.81S-175.57W, mb4.0/4, mb1 4.2/4,
mb1mx3.8/14, MS3.5/2, Ms1 3.5/2, ms1mx3.1/18, Error
ellipse: s-maj=185.0km s-min=31.6km az=137.0

ISC 09 07:26:15.8, 4.3, 15.85S-175.10W, 1.0, h33km, n7,
c012/5, mb4.0/4, MS3.5/2, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CTA, STKA, WRA.

ISC 09 07:35:04.9, 1.8, 55.21S-26.90W, mb4.3/1, mb1 4.3/1,
s-maj=42.1km az=163.0, South Sandwich Islands region

ISC 09 07:23:55.1, 2.8, 34.83N-4.04W, h10km, MG4.0(MDD),
Error ellipse: s-maj=32.1km s-min=3km az=76.0

INMG 09 07:23:58.8, 0.9, 34.91N-4.07W, h31km, 12km, ML2.4,
Error ellipse: s-maj=5.0km s-min=2.9km az=10.0

MDD 09 07:23:58.3, 1.6, 34.84N-4.03W, h37km, 37km, mb4.1/20,
Error ellipse: s-maj=22.1km s-min=6.9km az=177.0,
PRXIMO Aftershock/PILICA

ISC 09 07:23:57.9, 0.8, 35.01N-0.05-4.08W, 0.04, h37km, n40,
c1514/63, Strait of Gibraltar

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MEML, EMEL, EUJF.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ERON, EBOR.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EBER, ELOJ.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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





9d 11h

Table with columns: HFS, HFS, HFS, HFS, HFS, HFS, HFS, HFS, HFS, HFS. Includes station names like Hagfors, Warramunga Arr, Alice Springs, and various time and frequency data.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes station names like Warramunga Arr, Alice Springs, and MKAR.

IDC 09 09:17:11.8, 1.8, 0.13S, 125.51E, mb3.2/3, mb1 3.4/3, mb1mx3.3/1.4, Error ellipse: s-maj=196.0km s-min=25.0km az=64.0, Southern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes station names like Schefferville, Villa Florida, ULM, TXAR, PDAR, YKA, and ILAR.

NEIC 09 09:35:00.7, 38.57N, 20.51E, h5km, ML3.7(ATH), After ATH.

ATH 09 09:35:00.7, 38.57N, 20.51E, h5km, MD3.4/12, ML3.7 THE 09 09:35:01.9, 38.63N, 20.48E, h10km, ML3.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes station names like LKD, VLS, IGT, JAN, KEV, MEV, AGG, ITM, KZN, LIT, XOR, NEO, FNA, MPAR, ATH, PTL, AOS, AOS, PLS, KNT, OUR, IDI, and IDs.

IDC 09 09:37:01.9, 9.9, 36.34N, 70.94E, h188km, 85km, mb3.2/5, mb1 3.3/6, mb1mx3.1/1.7, Error ellipse: s-maj=77.9km s-min=22.0km az=44.0

ISC 09 09:36:57.1, 5.6, 36.2N, 0.3, 70.8E, 0.4, h167km, 44km, n7, r0518/8, mb3.4/5, 2C, Hindu Kush region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes station names like KK31, MKAR, FINES, ARCES, YKA, WRA, MKAR, ZAL, and IDs.

IDC 09 09:44:11.8, 3.60S, 138.12E, mb4.0/3, mb1 4.3/6, mb1mx3.4/1.3, ML4.2/3, Error ellipse: s-maj=59.0km s-min=28.1km az=104.0

NEIC 09 09:44:11.8, 3.80S, 138.78E, h10km, mb4.5/1, Error ellipse: s-maj=37.3km s-min=16.3km az=114.0

ISC 09 09:44:04.2, 4.6, 5.0, 137.9E, 0.1, h133km, 28km, n11, r0510/13, mb3.6/2, Irian Jaya

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes station names like KAKA, WRA, KAF, KAF, FINES, and ARCES.

2004 APR

Table with columns: KAKA, WRAB, WB2, WBE, WRA, WRA, CTA, FITZ, FITZ, FITZ, FITZ, AS12, ASAR, ASAR, STKA, ILAR. Includes station names and time/frequency data.

IDC 09 10:19:08.8, 5.2, 10.66N, 125.16E, mb3.6/4, mb1 3.9/4, mb1mx3.5/1.8, Error ellipse: s-maj=165.0km s-min=26.5km az=48.0

ISC 09 10:19:47.0, 1.5, 6.57N, 0.06, 125.71E, 0.07, h28km, 11km, n7, r0556/11, mb3.4/3, 1D, Mindanao

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes station names like KCP, KCP, CTBH, Bislig, BIFH, CGP, CGP, FITZ, WRA, and ASAR.

BUI 09 10:27:00.5, 24.39N, 95.12E, h128km, mb4.5

MOS 09 10:27:02.6, 0.7, 24.44N, 94.76E, h139km, mb4.2/4, Error ellipse: s-maj=43.6km s-min=12.0km az=109.3

NEIC 09 10:27:03.6, 0.7, 24.64N, 95.11E, h122km, 7km, mb4.3/2, Error ellipse: s-maj=12.6km s-min=6.0km az=57.0

IDC 09 10:27:04.3, 3.2, 63.9N, 95.13E, h127km, 32km, mb3.8/12, mb1 3.9/13, mb1mx3.8/2.0, Error ellipse: s-maj=29.6km s-min=11.3km az=57.0

ISC 09 10:27:00.6, 0.7, 24.62N, 0.07, 95.03E, 0.05, h105km, 7km, n49, r129/55, mb4.3/19, 1C, D, Myanmar

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes station names like Imphal, SHL, SHL, LSA, KMI, KMI, CM31, CMAR, GUN, GUN, PKI, PKI, KKN, DMN, GKN, GKN, KOLN, ENH, TKM2, MKAR, MKAR, UCH, KBK, AAK, AML, SONM, ULN, USP, EKS2, ZAK, TLY, TLY, KURK, ZAL, JUNU, BVAR, BRVK, CHKZ, RDF, RFB, MIB, NAY, NAY, RST, RST, FITZ, JOF, JOF, WRA, KANG, KAF, KAF, FINES, and ARCES.

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Table with columns: ASAR, NB2, NOA, GERES, BDFB. Includes station names and time/frequency data.

NEIC 09 10:28:00.7, 16.23N, 98.83W, h16km, MD3.9(MEX), After MEX.

MEX 09 10:28:00.3, 1.1, 16.19N, 98.84W, h20km, 72km, MD3.9, Near coast of Guerrero

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes station names like PNIG, ACX, CAIG, VHO, VHO, OXX, OXX, HUIG, YAIG, YAIG, PPM, CMIG, CMIG, MOIG, MOIG.

IDC 09 10:48:30.9, 3.4, 3.34N, 127.13E, mb3.7/3, mb1 3.9/3, mb1mx3.5/1.6, Error ellipse: s-maj=151.0km s-min=61.1km az=72.0, Talauad Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes station names like WRA, ASAR, ASAR, and STKA.

INMG 09 11:03:21.5, 0.4, 36.82N, 7.92W, h24km, 8km, ML1.5, Error ellipse: s-maj=9.7km s-min=3.1km az=131.0

MDD 09 11:03:21.0, 1.2, 36.78N, 7.88W, h44km, 50km, mb2.8/6, Error ellipse: s-maj=16.6km s-min=8.0km az=7.0, PRXIMO

ISC 09 11:03:19.1, 1.1, 36.77N, 0.06, 7.78W, 0.06, h24km, n14, r128/22, Strait of Gibraltar

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes station names like PALC, PALC, EGRO, EGRO, PTEO, PTEO, PBEJ, EMIN, EMIN, ESPR, ESPR, EJIF, ELIJ, ELIJ, EADA, EADA, ELUQ, EQES, ETOB.

MOS 09 11:07:42.0, 2.2, 50.31N, 87.59E, h15km, mb4.2/1, Error ellipse: s-maj=49.5km s-min=19.5km az=95.9

NNC 09 11:05:22.3, 3.5, 50.17N, 87.03E, mb3.8, Error ellipse: s-maj=29.1km s-min=25.2km az=124.0

ISC 09 11:10:45.6, 1.6, 50.18N, 0.06, 87.7E, 0.1, h8km, 9km, n7, r05105/13, 3C, Southwestern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes station names like AKAR, ARTR, UKR, UKR, TASR, TASR, YET, YET, MK31, MK31, MK31, NVS.

NEIC 09 11:22:15.8, 2.8, 19.14S, 169.30E, h161km, 24km, mb4.0/1, Error ellipse: s-maj=34.3km s-min=25.4km az=180.0

IDC 09 11:22:17.7, 24.0, 19.03S, 169.15E, h177km, 188km, mb3.5/4, mb1 3.7/4, mb1mx3.4/1.3, Error ellipse: s-maj=201.0km s-min=52.6km az=136.0

ISC 09 11:22:16.4, 1.7, 19.25S, 0.1, 169.1E, 0.2, h177km, 11km, n10, r0560/9, mb3.8/5, 1C, Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes station names like BLK, NOUC, CTA, WRA, ASAR, GSPA, ILAR, ARCES, and GERES.



9d 15h

ELOJ	Sierra Loja	0.46 197	↑Pg	Pb	14 34 53.1	-0.6
ELOJ	169nm,0.2s,SNR=18		Lg		14 34 58.6	
EQUE	Quantar	0.58 131	↑Pg	Pb	14 34 54.9	-0.8
EQUE	191nm,0.1s,SNR=18		Lg		14 35 01.1	
ERON	Agron	0.58 166	↑Pg	Pb	14 34 54.6	-1.1
ERON	44nm,0.1s,SNR=18		Lg		14 35 01.2	
EBAN	Banos Encina	0.60 15	↑Pg	Pb	14 34 58.8	+2.8
EBAN	63nm,0.1s,SNR=5.0		Lg		14 35 08.7	
EADA	Adamuz	0.75 321	↑Pg	Pb	14 35 01.7	+3.1
EADA	401nm,0.1s,SNR=18		Lg		14 35 13.4	
EADA	Adamuz	0.75 321	↑Pg	Pb	14 35 01.7	+3.1
EADA	44nm,0.1s,SNR=18		Lg		14 35 12.9	
EQES	Quesada	0.76 73	↑Pg	Pb	14 35 00.2	+1.5
EQES	964nm,0.1s,SNR=18		Lg		14 35 10.9	
EMAL	Malaga-Limoner	0.90 204	↑Pg	Pb	14 35 00.7	-0.4
EMAL	15nm,0.1s,SNR=18		Lg		14 35 12.0	
EMAL	Malaga-Limoner	0.90 204	↑Pg	Pb	14 35 00.7	-0.4
EMAL	94nm,0.4s,SNR=7.9		Lg		14 35 12.3	
EHOR	Hornachuelos	1.03 284	↑Pn	Pn	14 35 05.0	+1.1
EHOR	7.9nm,0.1s,SNR=18		Pg	Pb	14 35 06.1	+2.7
EHOR	123nm,0.1s,SNR=7.9		Lg		14 35 20.6	
EHOR	Hornachuelos	1.03 284	↑Pn	Pn	14 35 05.0	+1.1
EHOR	190nm,0.2s,SNR=5.0		Pg	Pb	14 35 06.1	+2.7
EHOR	Hornachuelos	1.03 284	↑Pn	Pn	14 35 19.7	
EBER	Berja	1.11 128	↑Pg	Pb	14 35 04.5	-0.2
EBER	113nm,0.1s,SNR=18		Lg		14 35 18.5	
EBER	Berja	1.11 128	↑Pg	Pb	14 35 04.5	-0.2
EBER	58nm,0.4s,SNR=11		Lg		14 35 19.7	
EHUE	Huescar	1.13 78	↑Pg	Pb	14 35 06.4	+1.4
EHUE	71nm,0.1s,SNR=18		Lg		14 35 20.1	-0.2
EHUE	68nm,0.2s,SNR=4.0		Lg		14 35 21.2	
EHUE	Huescar	1.13 78	↑Pg	Pb	14 35 06.4	+1.4
EHUE	321nm,0.3s,SNR=27		Lg		14 35 19.9	-0.4
EHUE	Huescar	1.13 78	↑Pg	Pb	14 35 09.1	+1.3
ELIJ	Sierra de Lija	1.30 240	↑Pg	Pn	14 35 26.7	
ELIJ	121nm,0.3s,SNR=406		Lg		14 35 08.9	+1.2
ELIJ	Sierra de Lija	1.30 240	↑Pg	Pn	14 35 09.9	+2.2
ELIJ	131nm,0.2s,SNR=5.0		Lg		14 35 26.7	
ELIJ	Sierra de Lija	1.30 240	↑Pg	Pn	14 35 10.0	+1.9
ELIJ	131nm,0.2s,SNR=5.0		Lg		14 35 11.6	+1.4
LJJA	Lijar	1.32 240	↑Pg	Pn	14 35 31.8	
REAL	Reales	1.47 222	↑Pg	Pn	14 35 12.7	+1.0
REAL	64nm,0.3s,SNR=7.9		Lg		14 35 15.4	+3.7
EVIA	Vianos	1.57 48	↑Pn	Pn	14 35 33.6	+2.0
EVIA	5.1nm,0.1s,SNR=18		Lg		14 35 12.7	+1.0
EVIA	Vianos	1.57 48	↑Pn	Pn	14 35 15.4	+3.7
EVIA	80nm,0.3s,SNR=14		Lg		14 35 34.0	
EVIA	Vianos	1.57 48	↑Pn	Pn	14 35 13.7	+1.0
EVIA	164nm,0.4s,SNR=5.0		Lg		14 35 34.7	
EVIA	Vianos	1.57 48	↑Pn	Pn	14 35 13.6	+1.0
EVIA	64nm,0.3s,SNR=7.9		Lg		14 35 15.5	+2.9
EVIA	Vianos	1.57 48	↑Pn	Pn	14 35 34.5	
EVIA	80nm,0.3s,SNR=14		Lg		14 35 13.7	+0.8
EVIA	Vianos	1.57 48	↑Pn	Pn	14 35 15.9	+3.0
EVIA	164nm,0.4s,SNR=5.0		Lg		14 35 37.9	
EVIA	Vianos	1.57 48	↑Pn	Pn	14 35 13.8	+1.0
EVIA	64nm,0.3s,SNR=7.9		Lg		14 35 16.4	+3.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 35 39.4	
EVIA	80nm,0.3s,SNR=14		Lg		14 35 21.3	+2.3
EVIA	Vianos	1.57 48	↑Pn	Pn	14 35 25.9	+6.8
EVIA	164nm,0.4s,SNR=5.0		Lg		14 35 46.5	+1.9
EVIA	Vianos	1.57 48	↑Pn	Pn	14 35 54.5	
EVIA	80nm,0.3s,SNR=14		Lg		14 35 19.8	+0.7
EVIA	Vianos	1.57 48	↑Pn	Pn	14 35 21.9	+0.5
EVIA	164nm,0.4s,SNR=5.0		Lg		14 35 25.9	+6.8
EVIA	Vianos	1.57 48	↑Pn	Pn	14 35 39.4	
EVIA	80nm,0.3s,SNR=14		Lg		14 35 21.5	+2.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 35 26.0	+4.6
EVIA	164nm,0.4s,SNR=5.0		Lg		14 35 19.9	+0.1
EVIA	Vianos	1.57 48	↑Pn	Pn	14 35 25.0	+5.2
EVIA	80nm,0.3s,SNR=14		Lg		14 35 39.4	
EVIA	Vianos	1.57 48	↑Pn	Pn	14 35 21.5	+2.5
EVIA	164nm,0.4s,SNR=5.0		Lg		14 35 26.0	+4.6
EVIA	Vianos	1.57 48	↑Pn	Pn	14 35 19.9	+0.1
EVIA	80nm,0.3s,SNR=14		Lg		14 35 25.0	+5.2
EVIA	Vianos	1.57 48	↑Pn	Pn	14 35 39.4	
EVIA	80nm,0.3s,SNR=14		Lg		14 35 53.7	
EVIA	Vianos	1.57 48	↑Pn	Pn	14 35 20.7	+0.2
EVIA	164nm,0.4s,SNR=5.0		Lg		14 35 25.0	+4.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 35 47.4	+0.1
EVIA	80nm,0.3s,SNR=14		Lg		14 35 53.7	
EVIA	Vianos	1.57 48	↑Pn	Pn	14 35 21.1	+0.5
EVIA	164nm,0.4s,SNR=5.0		Lg		14 35 47.7	+0.3
EVIA	Vianos	1.57 48	↑Pn	Pn	14 35 20.1	+0.5
EVIA	80nm,0.3s,SNR=14		Lg		14 35 55.0	
EVIA	Vianos	1.57 48	↑Pn	Pn	14 35 21.1	+0.5
EVIA	164nm,0.4s,SNR=5.0		Lg		14 35 27.2	+6.6
EVIA	Vianos	1.57 48	↑Pn	Pn	14 35 48.4	+0.9
EVIA	80nm,0.3s,SNR=14		Lg		14 35 55.0	
EVIA	Vianos	1.57 48	↑Pn	Pn	14 35 21.3	-2.6
EVIA	164nm,0.4s,SNR=5.0		Lg		14 35 49.3	-4.0
EVIA	Vianos	1.57 48	↑Pn	Pn	14 35 21.9	+0.2
EVIA	80nm,0.3s,SNR=14		Lg		14 35 57.6	
EVIA	Vianos	1.57 48	↑Pn	Pn	14 35 28.3	-0.6
EVIA	164nm,0.4s,SNR=5.0		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	80nm,0.3s,SNR=14		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	164nm,0.4s,SNR=5.0		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	80nm,0.3s,SNR=14		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	164nm,0.4s,SNR=5.0		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	80nm,0.3s,SNR=14		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	164nm,0.4s,SNR=5.0		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	80nm,0.3s,SNR=14		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	164nm,0.4s,SNR=5.0		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	80nm,0.3s,SNR=14		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	164nm,0.4s,SNR=5.0		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	80nm,0.3s,SNR=14		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	164nm,0.4s,SNR=5.0		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	80nm,0.3s,SNR=14		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	164nm,0.4s,SNR=5.0		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	80nm,0.3s,SNR=14		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	164nm,0.4s,SNR=5.0		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	80nm,0.3s,SNR=14		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	164nm,0.4s,SNR=5.0		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	80nm,0.3s,SNR=14		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	164nm,0.4s,SNR=5.0		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	80nm,0.3s,SNR=14		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	164nm,0.4s,SNR=5.0		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	80nm,0.3s,SNR=14		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	164nm,0.4s,SNR=5.0		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	80nm,0.3s,SNR=14		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	164nm,0.4s,SNR=5.0		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	80nm,0.3s,SNR=14		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	164nm,0.4s,SNR=5.0		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	80nm,0.3s,SNR=14		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	164nm,0.4s,SNR=5.0		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	80nm,0.3s,SNR=14		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	164nm,0.4s,SNR=5.0		Lg		14 36 00.8	-1.5
EVIA	Vianos	1.57 48	↑Pn	Pn	14 36 13.7	+1.1
EVIA	80nm,0.3s,SNR=14		Lg		14 36 00.8	-1.5







KDCAK	comp=Z,3um,8.1s	78.05	21	eP	P	15 35 08.4	-0.5
KDCAK	Kodiak Island	78.05	21	eP	P	15 35 08.4	-0.5
KDCAK	comp=Z,589nm,1.0s,mb5.2				LR		
CLNS	comp=Z,6um,20.0s	78.05	338c	/iP	P	15 35 10.3	+1.4
CLNS	Chul'man			eS	S	15 38 12.7	
CLNS				e	S	15 44 42.5	+0.6
CLNS				e	S	15 44 57.7	
CLNS				e	S	15 45 10.7	
CLNS				eSS	SS	15 49 45.9	-6.1
CLNS				eSSS	SSS	15 53 07.4	-5.0
CLNS					pmax		
CLNS	comp=Z,400nm,1.0s,mb5.0				pmax		
CLNS	comp=N,200nm,1.4s				pmax		
CLNS	comp=E,40nm,1.0s				pmax		
CLNS	comp=Z,20nm,1.1s,mb4.7				pmax		
CLNS	comp=N,20nm,0.8s				pmax		
CLNS	comp=E,20nm,1.0s				pmax		
CLNS	comp=N,3um,9.7s				smax		
CLNS	comp=Z,1um,12.9s				smax		
CLNS	comp=E,400nm,11.3s				smax		
SVV	Sparrevohn	79.70	17	eP	P	15 35 17.6	0.0
RSO	Redoubt South	80.06	19	eP	P	15 35 18.3	-1.2
ANM	Nome	80.27	12	eP	P	15 35 21.1	+0.6
YAK	Yakutsk	80.52	343c	/iP	P	15 35 22.1	+0.2
YAK				eS	S	15 45 07.5	0.0
YAK					pmax		
YAK	comp=Z,430nm,1.1s,mb5.0				pmax		
YAK	comp=N,110nm,1.0s				pmax		
YAK	comp=E,80nm,1.0s				pmax		
YAK	comp=Z,10.0nm,1.0s				pmax		
YAK	comp=N,9.0nm,1.1s				pmax		
YAK	comp=E,10.0nm,0.9s				smax		
YAK	comp=N,10.0nm,1.1s				smax		
YAK	comp=E,8.0nm,1.1s				smax		
YAK	comp=Z,5.0nm,1.1s				smax		
YAK	Yakutsk	80.52	343	eP	P	15 35 21.8	-0.1
YAK	comp=Z,584nm,0.9s,mb5.2				LR		
TNA	Tin City	80.69	10	eP	P	15 35 22.6	-0.1
TNA				e	LR		
TNA	comp=Z,1um,19.0s				LR		
IMP	Imphal	80.73	298	eP	P	15 35 24.0	+0.2
ULN	Ulaanbaatar	80.82	324	eP	P	15 35 24.7	+0.8
ULN				pP	pP	15 36 15.2	-4.3
ULN				S	S	15 35 24.5	+0.7
ULN	Ulaanbaatar	80.82	324c	/iP	P	15 36 13.3	-6.2
ULN				i	pP	15 38 32.8	
ULN	Ulaanbaatar	80.82	324	eP	P	15 35 24.6	+0.7
ULN	comp=Z,304nm,1.0s,mb5.9				e		
ULN				e	LR		
ULN	comp=Z,2um,20.0s				LR		
SPU	Mount Spurr	80.83	19	eP	P	15 35 22.6	-1.0
SLKM	Skilak Lake	80.91	20	eP	P	15 35 23.5	-0.5
BILL	Bilibino	80.99	360c	/iP	P	15 35 24.2	-0.1
BILL				i	pP	15 36 16.8	-3.2
BILL				i	S	15 38 31.7	
BILL				iS	SS	15 45 15.1	+2.8
BILL				eSS	SS	15 50 35.1	-0.4
BILL					pmax		
BILL	comp=Z,449nm,0.8s,mb5.2				pmax		
BILL	Bilibino	80.99	360	eP	P	15 35 24.3	0.0
BILL	comp=Z,480nm,0.9s,mb5.1				pmax		
SONM	Songino Array	81.19	323	P	P	15 35 26.3	+0.6
SONM	comp=Z,74nm,0.7s,mb5.4,baz=136,slow=3.6,SNR=191				PKKP		
SONM	comp=Z,2.2nm,0.5s,baz=144,slow=5.2,SNR=11				S		
SONM	comp=Z,0.5nm,0.7s,baz=146,slow=5.2,SNR=1.9				S		
SONM	comp=Z,2.2nm,0.5s,baz=144,slow=5.2,SNR=11				PKKPbc		
SONM	comp=Z,6.7nm,0.7s,baz=275,slow=2.6,SNR=19				PKPPKP		
SONM	comp=Z,1.9nm,0.9s,baz=296,slow=2.8,SNR=3.6				/iP		
GTA	Gaotai	81.52	314	/iP	P	15 35 29.0	+1.4
GTA				AP	pP	15 36 22.7	-0.7
GTA				XP	sP	15 36 46.9	-0.4
GTA				PP	PP	15 38 40.1	+1.1
GTA				PPP	PPP	15 40 33.1	+1.3
GTA				S	S	15 41 11.1	
GTA				SKS	SKS	15 43 22.8	+2.3
GTA				PS	PS	15 46 40.4	-0.1
GTA				XS	XS	15 46 53.3	
GTA				SS	SS	15 50 43.7	-0.3
GTA					AMB		
GTA	comp=Z,107nm,1.0s,mb5.4				AMB		
GTA	comp=Z,2um,9.5s				LR		
GTA	comp=N,808nm,16.7s				LR		
GTA	comp=E,1um,17.1s				LR		
GTA	comp=Z,708nm,25.1s				LR		
GOU	Gould Hall	81.56	20	P	P	15 35 26.9	-0.4
PMS	Palmer South	81.67	20	eP	P	15 35 28.0	+0.1
PMR	Palmer	82.07	19	eP	P	15 35 29.3	-0.6
PMR					pmax		
PMR	comp=Z,340nm,0.8s,mb5.0				pmax		
PMR	Palmer	82.07	19	eP	P	15 35 29.7	-0.2
EYAK	Cordova Ski Ar	82.47	21	eP	P	15 35 31.5	-0.5
SML	Shawmill	82.49	20	eP	P	15 35 31.5	-0.6
SHL	Shilling	82.74	298	eP	P	15 35 34.9	+0.7
SHL				/iP	P	15 35 35.0	
SHL					Amb		
SHL	comp=Z,468nm,1.3s,mb5.1				AMB		
SHL				eS	S	15 45 33.3	+2.5
AGT	Agartala	82.77	296	/iP	P	15 35 47.0	+1.3
DIV	Divide	82.87	21	eP	P	15 35 33.9	-0.2
MAW	comp=Z,1um,0.8s,mb5.7				P		
MAW	Godabo	83.03	334	/iP	P	15 35 34.4	-0.6
HOPS	Hopland	83.07	47	eP	P	15 35 36.4	+0.8
HOPS	comp=Z,189nm,1.1s,mb5.7				eP		
HOPS					pP		
HOPS	comp=Z,5um,20.0s				LR		
NSHM	Saint Helena R	83.22	48	eP	P	15 35 36.0	-0.3
NSHM				eP	pP	15 36 32.0	-0.3
MAW	Mawson	83.28	202	eP	P	15 35 37.0	+0.9
MAW	comp=Z,92nm,0.8s,mb5.5,baz=119,slow=6.2,SNR=87				S		
MAW	comp=Z,4.2nm,1.1s,baz=343,slow=19,SNR=2.5				S		
MAW	Mawson	83.28	202	eP	P	15 35 37.0	+0.9
MAW				S	pmax		
MAW	comp=Z,93nm,0.9s				smax		
MAW	comp=N,4.0nm,1.1s				smax		
MAW	Mawson	83.28	202	eP	P	15 35 36.3	+0.2
MAW	comp=N,267nm,1.2s,mb5.8				P		
LKC	Lake Chabot	83.32	49	eP	P	15 35 37.5	+0.6
LKC				eP	pP	15 36 32.6	-0.2
KHMM	Horse Mountain	83.34	46	eP	P	15 35 38.4	+1.4
SAO	San Andres Ge	83.41	50	eP	P	15 35 37.3	-0.1
SAO	comp=N,67nm,1.0s,mb5.3				eP		
SAO					pP		
SAO	comp=Z,4um,20.0s				LR		
TOA	Tolson	83.42	20	eP	P	15 35 38.0	+1.1
KRMB	Red Mountain	83.48	45	eP	P	15 35 38.0	+0.4
KRMB				eP	pP	15 36 34.0	+0.4
LRV	Little Rabbit	83.61	50	eP	P	15 35 38.7	+0.3
MCK	McKinley	83.71	18	eP	P	15 35 37.5	-0.8
MCK	comp=Z,364nm,1.1s,mb5.0						

MCK	comp=Z,1um,19.0s			LR	LR		
KEBM	Edson Butte	83.74	43	eP	P	15 35 39.6	+0.7
WDC	Whiskeytown Da	84.06	46	eP	P	15 35 39.9	-0.8
WDC	comp=Z,192nm,1.3s,mb5.5				LR		
WDC				eP	pP	15 36 35.8	-0.7
IMA	Indian Mountain	84.18	15	eP	P	15 35 40.9	+0.4
ZAK	Zakamensk	84.23	325	/iP	P	15 35 40.9	+0.2
ZAK				e	pP	15 36 36.8	-0.3
ZAK				e	P	15 45 44.0	
OHCM	Honcuit	84.34	48	eP	P	15 35 41.7	-0.3
OHCM				eP	pP	15 36 37.2	-0.8
OHCM				e	P	15 35 42.7	+0.6
YBHK	Yreka Blue Hor	84.39	45	eP	P	15 36 36.8	-0.3
YBHK	comp=Z,63nm,0.7s,mb5.4,baz=203,slow=2.3,SNR=46				pP		
YBHK				e	pP	15 36 35.9	-2.3
YBHK	Yreka Blue Hor	84.39	45	eP	P	15 35 41.8	-0.4
YBHK	comp=Z,172nm,1.3s,mb5.6				eP		
YBHK				LR	LR		
SIT	Sitka	84.47	28	eP	P	15 35 41.8	-0.4
SIT				eP	pmax		
SIT	comp=Z,130nm,1.0s,mb5.6				pmax		
SIT	Sitka	84.47	28	eP	P	15 35 42.8	+0.6
HUMO	Hull Mountain	84.57	44	eP	P	15 35 42.8	-0.2
HUMO				eP	pP	15 36 38.5	-0.5
IRK	Irkutsk	84.58	327	/iP	P	15 35 42.7	-0.2
IRK	Talaya	84.65	326	/iP	P	15 35 42.7	-0.5
IRK				e	pP	15 36 36.1	-3.2
IRK				e	S	15 39 03.6	
IRK				eS	S	15 45 46.6	-2.5
IRK					pmax		
IRK	comp=Z,624nm,1.9s,mb5.0				MLR		
IRK					MLR		
IRK	comp=Z,1um,19.0s				MLR		
LSA	Lhasa	84.65	302	eP	P	15 35 45.4	+1.6
LSA	Lhasa	84.65	302	eP	P	15 35 45.3	+1.5
LSA	comp=Z,115nm,0.8s,mb5.7				LR		
LSA				LR	LR		
CMB	Columbia Colle	84.66	49	eP	P	15 35 43.3	-0.3
CMB				eP	pP	15 36 36.3	-3.4
CMB				eP	pP	15 36 39.4	-0.2
CMB				eP	P	15 35 43.0	-0.7
CMB	comp=Z,77nm,0.9s,mb5.4				eP		
CMB				LR	pP	15 36 39.0	-0.7
CMB	comp=Z,6um,19.0s				LR		
HSO	Harness Mounta	84.84	43	eP	P	15 35 44.3	-0.1
HSO				ePP	pP	15 36 41.4	+1.0
HSO				e	pP	15 35 43.1	-0.9
HSO	College	84.87	18	eP	P	15 35 40.3	+0.2
HSO				ePP	pP	15 36 40.4	+0.2
HSO				ePP	pmax		
COLA	College	84.87	18	eP	P	15 35 43.0	-1.0
CAL	Calcutta	84.94	294	eP	P	15 35 50.0	+4.6
ILAR	Eielson Array	85.08	18	eP	P	15 35 44.0	-1.1
ILAR	comp=Z,389nm,0.7s,mb5.3,baz=241,slow=5.0,SNR=1189				P		
ILAR				eP	pP	15 36 38.5	-2.7
ILAR	comp=Z,37nm,0.8s,baz=237,slow=5.6,SNR=1.8				pP		
ILAR				PKKP	pP	15 40 55.0	
ILAR	comp=Z,3.6nm,0.9s,baz=287,slow=6.7,SNR=6.7				S		
ILAR				S	S	15 45 48.5	-4.4
ILAR	comp=Z,1.1nm,1.0s,baz=243,slow=4.0,SNR=4.3				PKKP		
ILAR				PKKP	PKKP	15 53 45.7	+3.1
ILAR	comp=Z,3.8nm,0.9s,baz=332,slow=1.1,SNR=6.5				PKPPKP		
ILAR	comp=Z,5.3nm,1.0s,baz=346,slow=2.2,SNR=9.2				PKPPKP		
ILAR	Eielson Array	85.08	18	eP	P	15 35 44.0	-1.1
ILAR				ePP	pP	15 36 38.5	-2.7
ILAR				S	S	15 45 48.6	-4.4
ILAR				S	pmax		
ILAR	comp=Z,389nm,0.7s				pmax		
ILAR	comp=N,37nm,0.						





CRVS		e		15 45 40.0
CTT	Catalca	134.53 316	eP	15 42 25.7 +0.2
BUCI	Bucharest	134.57 321	iP	15 42 28.0 +2.5
ORLT	Orhaneli	134.68 314	eP	15 42 27.0 +1.2
NIE	Niedzica	134.75 330	ePKP	15 42 21.3 -4.3
NIE			e	15 42 27.5
NIE			ePP	15 45 40.6 +3.5
MVH1	Achvaich	134.85 353	eP	15 42 18.6 -7.0
BDFB	Brasilia	134.94 128	PKhKP	15 42 16.4
BDFB	comp=N, 4.2nm, 0.4s, baz=217, slow=1.8, SNR=11		ePKP	15 42 27.8 +1.0
BDFB	comp=N, 11.3nm, 0.9s, baz=210, slow=2.6, SNR=42		SKPbc	15 45 38.5
BDFB	comp=N, 13nm, 0.8s, baz=141, slow=2.4, SNR=4.6		i	15 42 16.4
BDFB	Brasilia	134.94 128	iPKHKK	15 42 27.8
BDFB				
BDFB	comp=Z, 4.0nm, 0.4s		pmax	pmax
BDFB	comp=Z, 11.3nm, 0.9s		pmax	pmax
BDFB	comp=N, 13nm, 0.8s		pmax	pmax
DST	Dursunbey	135.04 314	eP	15 42 19.7 -6.8
JZH	Yambol	135.16 318	eP	15 45 44.5
SMB	Strazhnica	135.18 320	eP	15 45 42.0
ELL	Elmali	135.19 309	eP	15 42 27.8 +0.5
KECS	Kecevo	135.28 329	ePKP	15 42 29.8 +3.2
KECS			e	15 45 42.2
RAC	Raciborz	135.30 332	ePKP(df)	15 42 26.1
RAC			ePKP(df)	15 43 22.5
RAC			PP	15 45 11.8 -7.2
RAC			MLR	16 30 58.6
RAC	comp=N, 2um, 22.2s		ePKIKP	15 42 26.1 -0.5
RAC	Raciborz	135.30 332	ePKIKP	15 43 22.5
RAC			MLR	15 42 26.1
RAC	comp=Z, 2um, 22.2s		MLR	15 42 16.8 -1.0
BDO	Dochfour	135.35 353	eP	15 42 28.2 +1.5
RUE	Ruedersdorf	135.38 337	ePKP	15 45 41.7
RUE			eSKP	15 42 16.2
BSEG	Bad Segeberg	135.41 341	ePKHKK	15 42 23.7 -1.5
MURE	Murefte	135.47 316	eP	15 42 29.3 +2.0
DENT	Denizli	135.48 311	eP	15 42 30.9 +3.5
DNZL	Cakirokul	135.49 311	iP	15 44 41.5
DNZL	Cakirokul	135.49 311	iP	15 44 41.5
DNZL	Cakirokul	135.49 311	iP	15 44 41.5
OKC	Ostrava-Krasne	135.50 332	ePKP	15 42 29.4 +2.4
OKC			ePKP	15 45 42.6
MANT	Manisa	135.54 312	iP	15 42 32.3 +4.9
KPL	Plockton	135.58 354	iP	15 42 17.2 -10
LKKS	Livkavka	135.59 330	ePKP	15 42 30.2 +4.8
LKKS			e	15 45 42.2
SART	Tekirdag	135.59 316	eP	15 42 18.4 -9.0
SART	Tekirdag	135.59 316	eP	15 45 42.2
SART	Tekirdag	135.59 316	eP	15 45 42.2
KSP	Ksiaz	135.60 334	ePKP	15 42 29.6 +2.4
KSP			ePKP	15 42 30.6 +3.1
KSP			e	15 42 29.0 -9.2
KSP			e	15 42 29.2
KSP			ePKP	15 43 25.3
KSP			ePP	15 45 08.0 -2.7
KSP			eSKKS	15 56 54.0
KSP			eSS	15 02 04.0 -0.8
KSB	Sheil Bridge	135.69 354	eP	15 42 17.5 -10
MORC	Moravsky Berou	135.82 332	ePKP	15 42 17.9
MORC			ePKP	15 42 29.8 +2.1
MORC			eSKP	15 45 43.6
AKS	Akhisar	135.92 313	ePKP	15 42 17.1 -6.7
PSZ	Piszkesteto	135.95 328	i	15 42 29.8 +1.9
PSZ			e	15 45 44.2
PSZ	Piszkesteto	135.95 328	ePKP	15 42 23.3 -4.5
DPC	Dobruska-Polom	135.95 333	ePKP	15 42 17.3
DPC			ePKP	15 42 20.0 +0.1
DPC			PP	15 45 09.0 -3.7
DPC			eSKP	15 45 44.0
UPC	Upice	135.97 334	ePKP	15 42 18.5
UPC			ePKP	15 42 29.8 +1.9
UPC			eSKP	15 45 43.3
KRC	Arisaig	136.01 354	eP	15 42 18.0 -10
LPK	Lapske	136.01 315	eP	15 42 20.0 +0.7
TSUM	Tsumeb	136.04 224	ePKP	15 42 17.9 -11
TSUM			LR	15 42 17.9
TSUM	comp=Z, 3um, 21.0s		ePKP	15 42 19.0 -9.3
DIM	Dimitrovgrad	136.04 318	eP	15 45 44.0
DIM	Dimitrovgrad	136.04 318	eP	15 42 32.5 +4.3
VYHS	Vyhne	136.09 330	ePKP	15 45 11.4 -2.3
VYHS			ePP	15 45 44.5
VYHS			ePKHKK	15 45 11.4
VYHS	Vyhne	136.09 330	eP	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
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VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
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VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
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VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
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VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
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VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS			e	15 42 23.5
VYHS			e	15 45 11.4
VYHS			e	15 42 19.8 -8.4
VYHS			ePKP	15 42 32.5 +4.3
VYHS			e	15 45 11.4
VYHS				

Table with columns: Code, Station Name, Az, El, Res, and various status indicators. Includes stations like SPAichingen, BFO, ITM, KEK, etc.

Table with columns: Code, Station Name, Az, El, Res, and various status indicators. Includes stations like AULF, Auriere, COME, etc.

Table with columns: Code, Station Name, Az, El, Res, and various status indicators. Includes stations like PDA, Ponta Delgada, PMAT, etc.

MAN 09 15:30:43.8, 10.41N-126.96E, h545km, mb4.9, ML3.9, MS3.9, SC, Philippine Islands region

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

IDC 09 15:46:47.2,51.0,22.83S-178.89W, mb3.8/3, mb1 4.0/3, mb1mx3.8/1.3, Error ellipse: s-maj=926.0km s-min=152.0km az=86.0, South of Fiji Islands

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

NEIC 09 15:52:42.7, 35.64N-23.00E, h34km, MD3.4(ATH), After ATH. ATH 09 15:52:42.7, 35.64N-23.00E, h34km-2km, MD3.4/6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KYTH Kithira, VLL Vellai, YAM Vamos, ITM Ithomi, THRS Thira Island, THRS Thira Island, THRS Thira Island, KRIS Kristallenia, NPS Neapolis, AGG Agios Georgios, KARP Karpathos, XOR Xorichti, FNA Florina, SRS Serrai.

WAR 09 16:03:57.7, 51.52N-16.03E, h1km, Location given by Polkowice mine, origin time based upon KSP

PRU 09 16:03:57.7, 51.48N-16.03E. NEIC 09 16:03:57.7, 51.36N-15.81E, h5km, ML2.0(BRG), Error ellipse: s-maj=19.9km s-min=7.5km az=200.0

ISC 09 16:03:55.8, 0.5148N-0.05162E, n13, 0.1910/29, Poland

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KSP Ksiadz, UPC Upice, DPC Dobruska-Polom, PVGC Panska Ves, BRG Berggiesshubel, PRU Pruhonice, CLL Colim, MORC Moravsky Berou, KKC Ostrava-Krasne, NKCC Novy Kostel, NKCC Ojcow, KHC Kasperske Hory.

IDC 09 16:10:00.8, 2.0, 1.49N-122.82E, h531km, 318km, mb2.9/3, mb1 2.9/4, mb1mx2.7/16, Error ellipse: s-maj=99.4km s-min=54.3km az=90.0

ISC 09 16:10:00.5, 1.3, 1.5N-0.3, 122.8E-0.9, h550km, n4, 0.0512/4, mb3.4/3, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, SONM Songino Array, MKAR Makanchi Array.

IDC 09 16:17:04.7, 2.2, 1.20N-126.83E, mb3.5/3, mb1 3.7/3, mb1mx3.4/1.4, Error ellipse: s-maj=204.0km s-min=24.6km az=66.0, Northern Molouca Sea

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

IDC 09 16:27:47.3, 0.6, 55.66N-163.09E, mb3.9/14, mb1 4.1/16, mb1mx4.0/25, ML3.9/2, Error ellipse: s-maj=17.5km s-min=12.6km az=176.0

KRSC 09 16:27:48.4, 1.1, 55.54N-163.63E, h21km, 6km, ML4.6 MOS 09 16:27:50.8, 1.1, 55.56N-163.32E, h44km, 6km, 5/3, Error ellipse: s-maj=15.5km s-min=8.2km az=71.3

NEIC 09 16:27:54.4, 1.2, 55.63N-163.05E, h53km, 11km, mb4.3/4, Error ellipse: s-maj=12.3km s-min=7.4km az=126.0

ISC 09 16:27:48.5, 0.3, 55.52N-0.0216359E, n13, h21km, n78, 0.1929/10, mb4.0/18, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KBTR Krutoberegovo, KBG Krutoberegovo, MKZ Mys Kozlova, MKZ Mys Kozlova, MKZ Mys Kozlova, ZLN Zelenaya, ZLN Zelenaya, SVLR Shiveluch, SVLR Shiveluch.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CIRR Tsirik, KLY Klyuchi, KRKR Krestovskiy, KMNR Kamensitaya, KPT Kopyto, TUMR Tumrok, KOZ Kozyrevsk, KOZ Kozyrevsk, SRDR Sredinnyy, ESO Esso.

ISC 09 16:28:17.9, 0.3, 1.71292, Pn, 16 28 17.9 +0.3, 16 28 40.1 +1.1, 16 28 18.1 -1.3, 16 28 39.9 -2.3, 16 28 18.1 -1.3, 16 28 41.2 -1.0, 16 28 19.6 +0.1, 16 28 41.3 -1.1, 16 28 21.4 +0.9, 16 28 45.3 +1.1, 16 28 21.6 +0.5, 16 28 45.3 +1.1, 16 28 22.7 +1.3, 16 28 45.3 +1.2, 16 28 52.4 +1.8, 16 28 52.4 +1.1, 16 28 52.7 +1.7, 16 28 32.2 +0.1

ISC 09 16:28:24.0, 0.8, 2.82240, P, 16 28 24.1 +0.7, 16 29 07.7 +0.5, 16 28 24.0 +0.6, 16 29 08.1 +0.9, 16 28 41.4 +0.5, 16 29 11.4 -5.4, 16 29 37.5 -1.3, 16 29 13.3 -3.5, 16 28 41.6 -0.3, 16 29 20.5 -1.8, 16 29 20.3 -2.0, 16 28 44.1 +0.3, 16 29 24.2 -1.4, 16 28 49.4 +0.4, 16 28 45.4 +0.6, 16 28 49.7 -0.7, 16 28 45.6 +0.8, 16 28 45.7 +0.4, 16 28 45.8 -0.9, 16 28 42.0 -2.8

ISC 09 16:28:24.0, 0.8, 2.82240, P, 16 28 24.1 +0.7, 16 29 07.7 +0.5, 16 28 24.0 +0.6, 16 29 08.1 +0.9, 16 28 41.4 +0.5, 16 29 11.4 -5.4, 16 29 37.5 -1.3, 16 29 13.3 -3.5, 16 28 41.6 -0.3, 16 29 20.5 -1.8, 16 29 20.3 -2.0, 16 28 44.1 +0.3, 16 29 24.2 -1.4, 16 28 49.4 +0.4, 16 28 45.4 +0.6, 16 28 49.7 -0.7, 16 28 45.6 +0.8, 16 28 45.7 +0.4, 16 28 45.8 -0.9, 16 28 42.0 -2.8

ISC 09 16:28:24.0, 0.8, 2.82240, P, 16 28 24.1 +0.7, 16 29 07.7 +0.5, 16 28 24.0 +0.6, 16 29 08.1 +0.9, 16 28 41.4 +0.5, 16 29 11.4 -5.4, 16 29 37.5 -1.3, 16 29 13.3 -3.5, 16 28 41.6 -0.3, 16 29 20.5 -1.8, 16 29 20.3 -2.0, 16 28 44.1 +0.3, 16 29 24.2 -1.4, 16 28 49.4 +0.4, 16 28 45.4 +0.6, 16 28 49.7 -0.7, 16 28 45.6 +0.8, 16 28 45.7 +0.4, 16 28 45.8 -0.9, 16 28 42.0 -2.8

ISC 09 16:28:24.0, 0.8, 2.82240, P, 16 28 24.1 +0.7, 16 29 07.7 +0.5, 16 28 24.0 +0.6, 16 29 08.1 +0.9, 16 28 41.4 +0.5, 16 29 11.4 -5.4, 16 29 37.5 -1.3, 16 29 13.3 -3.5, 16 28 41.6 -0.3, 16 29 20.5 -1.8, 16 29 20.3 -2.0, 16 28 44.1 +0.3, 16 29 24.2 -1.4, 16 28 49.4 +0.4, 16 28 45.4 +0.6, 16 28 49.7 -0.7, 16 28 45.6 +0.8, 16 28 45.7 +0.4, 16 28 45.8 -0.9, 16 28 42.0 -2.8

ISC 09 16:28:24.0, 0.8, 2.82240, P, 16 28 24.1 +0.7, 16 29 07.7 +0.5, 16 28 24.0 +0.6, 16 29 08.1 +0.9, 16 28 41.4 +0.5, 16 29 11.4 -5.4, 16 29 37.5 -1.3, 16 29 13.3 -3.5, 16 28 41.6 -0.3, 16 29 20.5 -1.8, 16 29 20.3 -2.0, 16 28 44.1 +0.3, 16 29 24.2 -1.4, 16 28 49.4 +0.4, 16 28 45.4 +0.6, 16 28 49.7 -0.7, 16 28 45.6 +0.8, 16 28 45.7 +0.4, 16 28 45.8 -0.9, 16 28 42.0 -2.8

ISC 09 16:28:24.0, 0.8, 2.82240, P, 16 28 24.1 +0.7, 16 29 07.7 +0.5, 16 28 24.0 +0.6, 16 29 08.1 +0.9, 16 28 41.4 +0.5, 16 29 11.4 -5.4, 16 29 37.5 -1.3, 16 29 13.3 -3.5, 16 28 41.6 -0.3, 16 29 20.5 -1.8, 16 29 20.3 -2.0, 16 28 44.1 +0.3, 16 29 24.2 -1.4, 16 28 49.4 +0.4, 16 28 45.4 +0.6, 16 28 49.7 -0.7, 16 28 45.6 +0.8, 16 28 45.7 +0.4, 16 28 45.8 -0.9, 16 28 42.0 -2.8

ISC 09 16:28:24.0, 0.8, 2.82240, P, 16 28 24.1 +0.7, 16 29 07.7 +0.5, 16 28 24.0 +0.6, 16 29 08.1 +0.9, 16 28 41.4 +0.5, 16 29 11.4 -5.4, 16 29 37.5 -1.3, 16 29 13.3 -3.5, 16 28 41.6 -0.3, 16 29 20.5 -1.8, 16 29 20.3 -2.0, 16 28 44.1 +0.3, 16 29 24.2 -1.4, 16 28 49.4 +0.4, 16 28 45.4 +0.6, 16 28 49.7 -0.7, 16 28 45.6 +0.8, 16 28 45.7 +0.4, 16 28 45.8 -0.9, 16 28 42.0 -2.8

ISC 09 16:28:24.0, 0.8, 2.82240, P, 16 28 24.1 +0.7, 16 29 07.7 +0.5, 16 28 24.0 +0.6, 16 29 08.1 +0.9, 16 28 41.4 +0.5, 16 29 11.4 -5.4, 16 29 37.5 -1.3, 16 29 13.3 -3.5, 16 28 41.6 -0.3, 16 29 20.5 -1.8, 16 29 20.3 -2.0, 16 28 44.1 +0.3, 16 29 24.2 -1.4, 16 28 49.4 +0.4, 16 28 45.4 +0.6, 16 28 49.7 -0.7, 16 28 45.6 +0.8, 16 28 45.7 +0.4, 16 28 45.8 -0.9, 16 28 42.0 -2.8

ISC 09 16:28:24.0, 0.8, 2.82240, P, 16 28 24.1 +0.7, 16 29 07.7 +0.5, 16 28 24.0 +0.6, 16 29 08.1 +0.9, 16 28 41.4 +0.5, 16 29 11.4 -5.4, 16 29 37.5 -1.3, 16 29 13.3 -3.5, 16 28 41.6 -0.3, 16 29 20.5 -1.8, 16 29 20.3 -2.0, 16 28 44.1 +0.3, 16 29 24.2 -1.4, 16 28 49.4 +0.4, 16 28 45.4 +0.6, 16 28 49.7 -0.7, 16 28 45.6 +0.8, 16 28 45.7 +0.4, 16 28 45.8 -0.9, 16 28 42.0 -2.8

ISC 09 16:28:24.0, 0.8, 2.82240, P, 16 28 24.1 +0.7, 16 29 07.7 +0.5, 16 28 24.0 +0.6, 16 29 08.1 +0.9, 16 28 41.4 +0.5, 16 29 11.4 -5.4, 16 29 37.5 -1.3, 16 29 13.3 -3.5, 16 28 41.6 -0.3, 16 29 20.5 -1.8, 16 29 20.3 -2.0, 16 28 44.1 +0.3, 16 29 24.2 -1.4, 16 28 49.4 +0.4, 16 28 45.4 +0.6, 16 28 49.7 -0.7, 16 28 45.6 +0.8, 16 28 45.7 +0.4, 16 28 45.8 -0.9, 16 28 42.0 -2.8

ISC 09 16:28:24.0, 0.8, 2.82240, P, 16 28 24.1 +0.7, 16 29 07.7 +0.5, 16 28 24.0 +0.6, 16 29 08.1 +0.9, 16 28 41.4 +0.5, 16 29 11.4 -5.4, 16 29 37.5 -1.3, 16 29 13.3 -3.5, 16 28 41.6 -0.3, 16 29 20.5 -1.8, 16 29 20.3 -2.0, 16 28 44.1 +0.3, 16 29 24.2 -1.4, 16 28 49.4 +0.4, 16 28 45.4 +0.6, 16 28 49.7 -0.7, 16 28 45.6 +0.8, 16 28 45.7 +0.4, 16 28 45.8 -0.9, 16 28 42.0 -2.8

ISC 09 16:28:24.0, 0.8, 2.82240, P, 16 28 24.1 +0.7, 16 29 07.7 +0.5, 16 28 24.0 +0.6, 16 29 08.1 +0.9, 16 28 41.4 +0.5, 16 29 11.4 -5.4, 16 29 37.5 -1.3, 16 29 13.3 -3.5, 16 28 41.6 -0.3, 16 29 20.5 -1.8, 16 29 20.3 -2.0, 16 28 44.1 +0.3, 16 29 24.2 -1.4, 16 28 49.4 +0.4, 16 28 45.4 +0.6, 16 28 49.7 -0.7, 16 28 45.6 +0.8, 16 28 45.7 +0.4, 16 28 45.8 -0.9, 16 28 42.0 -2.8

ISC 09 16:28:24.0, 0.8, 2.82240, P, 16 28 24.1 +0.7, 16 29 07.7 +0.5, 16 28 24.0 +0.6, 16 29 08.1 +0.9, 16 28 41.4 +0.5, 16 29 11.4 -5.4, 16 29 37.5 -1.3, 16 29 13.3 -3.5, 16 28 41.6 -0.3, 16 29 20.5 -1.8, 16 29 20.3 -2.0, 16 28 44.1 +0.3, 16 29 24.2 -1.4, 16 28 49.4 +0.4, 16 28 45.4 +0.6, 16 28 49.7 -0.7, 16 28 45.6 +0.8, 16 28 45.7 +0.4, 16 28 45.8 -0.9, 16 28 42.0 -2.8

ISC 09 16:28:24.0, 0.8, 2.82240, P, 16 28 24.1 +0.7, 16 29 07.7 +0.5, 16 28 24.0 +0.6, 16 29 08.1 +0.9, 16 28 41.4 +0.5, 16 29 11.4 -5.4, 16 29 37.5 -1.3, 16 29 13.3 -3.5, 16 28 41.6 -0.3, 16 29 20.5 -1.8, 16 29 20.3 -2.0, 16 28 44.1 +0.3, 16 29 24.2 -1.4, 16 28 49.4 +0.4, 16 28 45.4 +0.6, 16 28 49.7 -0.7, 16 28 45.6 +0.8, 16 28 45.7 +0.4, 16 28 45.8 -0.9, 16 28 42.0 -2.8

ISC 09 16:28:24.0, 0.8, 2.82240, P, 16 28 24.1 +0.7, 16 29 07.7 +0.5, 16 28 24.0 +0.6, 16 29 08.1 +0.9, 16 28 41.4 +0.5, 16 29 11.4 -5.4, 16 29 37.5 -1.3, 16 29 13.3 -3.5, 16 28 41.6 -0.3, 16 29 20.5 -1.8, 16 29 20.3 -2.0, 16 28 44.1 +0.3, 16 29 24.2 -1.4, 16 28 49.4 +0.4, 16 28 45.4 +0.6, 16 28 49.7 -0.7, 16 28 45.6 +0.8, 16 28 45.7 +0.4, 16 28 45.8 -0.9, 16 28 42.0 -2.8

ISC 09 16:28:24.0, 0.8, 2.82240, P, 16 28 24.1 +0.7, 16 29 07.7 +0.5, 16 28 24.0 +0.6, 16 29 08.1 +0.9, 16 28 41.4 +0.5, 16 29 11.4 -5.4, 16 29 37.5 -1.3, 16 29 13.3 -3.5, 16 28 41.6 -0.3, 16 29 20.5 -1.8, 16 29 20.3 -2.0, 16 28 44.1 +0.3, 16 29 24.2 -1.4, 16 28 49.4 +0.4, 16 28 45.4 +0.6, 16 28 49.7 -0.7, 16 28 45.6 +0.8, 16 28 45.7 +0.4, 16 28 45.8 -0.9, 16 28 42.0 -2.8

ISC 09 16:28:24.0, 0.8, 2.82240, P, 16 28 24.1 +0.7, 16 29 07.7 +0.5, 16 28 24.0 +0.6, 16 29 08.1 +0.9, 16 28 41.4 +0.5, 16 29 11.4 -5.4, 16 29 37.5 -1.3, 16 29 13.3 -3.5, 16 28 41.6 -0.3, 16 29 20.5 -1.8, 16 29 20.3 -2.0, 16 28 44.1 +0.3, 16 29 24.2 -1.4, 16 28 49.4 +0.4, 16 28 45.4 +0.6, 16 28 49.7 -0.7, 16 28 45.6 +0.8, 16 28 45.7 +0.4, 16 28 45.8 -0.9, 16 28 42.0 -2.8

ISC 09 16:28:24.0, 0.8, 2.82240, P, 16 28 24.1 +0.7, 16 29 07.7 +0.5, 16 28 24.0 +0.6, 16 29 08.1 +0.9, 16 28 41.4 +0.5, 16 29 11.4 -5.4, 16 29 37.5 -1.3, 16 29 13.3 -3.5, 16 28 41.6 -0.3, 16 29 20.5 -1.8, 16 29 20.3 -2.0, 16 28 44.1 +0.3, 16 29 24.2 -1.4, 16 28 49.4 +0.4, 16 28 45.4 +0.6, 16 28 49.7 -0.7, 16 28 45.6 +0.8, 16 28 45.7 +0.4, 16 28 45.8 -0.9, 16 28 42.0 -2.8

ISC 09 16:28:24.0, 0.8, 2.82240, P, 16 28 24.1 +0.7, 16 29 07.7 +0.5, 16 28 24.0 +0.6, 16 29 08.1 +0.9, 16 28 41.4 +0.5, 16 29 11.4 -5.4, 16 29 37.5 -1.3, 16 29 13.3 -3.5, 16 28 41.6 -0.3, 16 29 20.5 -1.8, 16 29 20.3 -2.0, 16 28 44.1 +0.3, 16 29 24.2 -1.4, 16 28 49.4 +0.4, 16 28 45.4 +0.6, 16 28 49.7 -0.7, 16 28 45.6 +0.8, 16 28 45.7 +0.4, 16 28 45.8 -0.9, 16 28 42.0 -2.8

ISC 09 16:28:24.0, 0.8, 2.82240, P, 16 28 24.1 +0.7, 16 29 07.7 +0.5, 16 28 24.0 +0.6, 16 29 08.1 +0.9, 16 28 41.4 +0.5, 16 29 11.4 -5.4, 16 29 37.5 -1.3, 16 29 13.3 -3.5, 16 28 41.6 -0.3, 16 29 20.5 -1.8, 16 29 20.3 -2.0, 16 28 44.1 +0.3, 16 29 24.2 -1.4, 16 28 49.4 +0.4, 16 28 45.4 +0.6, 16 28 49.7 -0.7, 16 28 45.6 +0.8, 16 28 45.7 +0.4, 16 28 45.8 -0.9, 16 28 42.0 -2.8

ISC 09 16:28:24.0, 0.8, 2.82240, P, 16 28 24.1 +0.7, 16 29 07.7 +0.5, 16 28 24.0 +0.6, 16 29 08.1 +0.9, 16 28 41.4 +0.5, 16 29 11.4 -5.4, 16 29 37.5 -1.3, 16 29 13.3 -3.5, 16 28 41.6 -0.3, 16 29 20.5 -1.8, 16 29 20.3 -2.0, 16 28 44.1 +0.3, 16 29 24.2 -1.4, 16 28 49.4 +0.4, 16 28 45.4 +0.6, 16 28 49.7 -0.7, 16 28 45.6 +0.8, 16 28 45.7 +0.4, 16 28 45.8 -0.9, 16 28 42.0 -2.8

ISC 09 16:28:24.0, 0.8, 2.82240, P, 16 28 24.1 +0.7, 16 29 07.7 +0.5, 16 28 24.0 +0.6, 16 29 08.1 +0.9, 16 28 41.4 +0.5, 16 29 11.4 -5.4, 16 29 37.5 -1.3, 16 29 13.3 -3.5, 16 28 41.6 -0.3, 16 29 20.5 -1.8, 16 29 20.3 -2.0, 16 28 44.1 +0.3, 16 29 24.2 -1.4, 16 28 49.4 +0.4, 16 28 45.4 +0.6, 16 28 49.7 -0.7, 16 28 45.6 +0.8, 16 28 45.7 +0.4, 16 28 45.8 -0.9, 16 28 42.0 -2.8

ISC 09 16:28:24.0, 0.8, 2.82240, P, 16 28 24.1 +0.7, 16 29 07.7 +0.5, 16 28 24.0 +0.6, 16 29 08.1 +0.9, 16 28 41.4 +0.5, 16 29 11.4 -5.4, 16 29 37.5 -1.3, 16 29 13.3 -3.5, 16 28 41.6 -0.3, 16 29 20.5 -1.8, 16 29 20.3 -2.0, 16 28 44.1 +0.3, 16 29 24.2 -1.4, 16 28 49.4 +0.4, 16 28 45.4 +0.6, 16 28 49.7 -0.7, 16 28 45.6 +0.8, 16 28 45.7 +0.4, 16 28 45.8 -0.9, 16 28 42.0 -2.8

ISC 09 16:28:24.0, 0.8, 2.82240, P, 16 28 24.1 +0.7, 16 29 07.7 +0.5, 16 28 24.0 +0.6, 16 29 08.1 +0.9, 16 28 41.4 +0.5, 16 29 11.4 -5.4, 16 29 37.5 -1.3, 16 29 13.3 -3.5, 16 28 41.6 -0.3, 16 29 20.5 -1.8, 16 29 20.3 -2.0, 16 28 44.1 +0.3, 16 29 24.2 -1.4, 16 28 49.4 +0.4, 16 28 45.4 +0.6, 16 28 49.7 -0.7, 16 28 45.6 +0.8, 16 28 45.7 +0.4, 16 28 45.8 -0.9, 16 28 42.0 -2.8

ISC 09 16:28:24.0, 0.8, 2.82240, P, 16 28 24.1 +0.7, 16 29 07.7 +0.5, 16 28 24.0 +0.6, 16 29 08.1 +0.9, 16 28 41.4 +0.5, 16 29 11.4 -5.4, 16 29 37.5 -1.3, 16 29 13.3 -3.5, 16 28 41.6 -0.3, 16 29 20.5 -1.8, 16 29 20.3 -2.0, 16 28 44.1 +0.3, 16 29 24.2 -1.4, 16 28 49.4 +0.4, 16 28 45.4 +0.6, 16 28 49.7 -0.7, 16 28 45.6 +0.8, 16 28 45.7 +0.4, 16 28 45.8 -0.9, 16 28 42.0 -2.8



Table with columns: ACX, ACX, OXX, POHV, Acapulco, Oaxaca, Veracruz, 0.86 253 i P, 2.23 91 i P, 2.57 41 e P, 17 35 25.1 -1.8, 17 35 37.0 -2.1, 17 35 49.0 +2.9, 17 35 47.0 -3.9

JMA 09 17:59:22.0, 2.42, 0.03N-142.57E, h64km, 2km, M3.2, IDC 09 17:59:24.1, 6.9, 42.23N, 143.19E, h102km, 41km, mb3.3/4, mb1 3.3/4, mb1mx3.1/21, Error ellipse: s-maj=72.5km s-min=55.8km az=108.0

ISC 09 17:59:21.9, 0.6, 42.02N, 0.04, 142.54E, 0.05, h66km, 5.5km, n20, 0.054/34, mb3.4/4, 4C-6D, Hokkaido region

Main table for 2004 APR section 1, columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, h, m, s, ISC

IDC 09 18:05:30.4, 0.8, 40.56N, 73.07E, mb4.2/13, mb1 4.4/15, mb1mx4.3/18, ML4.0/2, MS3.1/1, Ms1 3.2/1, ms1mx2.7/28, Error ellipse: s-maj=15.5km s-min=13.9km az=57.0

NEIC 09 18:05:33.2, 4.4, 40.67N, 73.11E, h14km, 26km, mb4.2/9, Error ellipse: s-maj=13.4km s-min=7.0km az=178.0

NEIC Felt at Osh, BUJ 09 18:05:34.3, 41.05N, 73.26E, h14km, mb4.4, mb3.8, ML4.4, Ms3.9, Msz3.8

NNC 09 18:05:35.2, 9.1, 40.68N, 72.77E, h26km, 41km, mpv3.8, Error ellipse: s-maj=62.4km s-min=33.6km az=153.0

MOS 09 18:05:36.9, 0.9, 40.11N, 72.95E, h33km, mb4.4/8, Error ellipse: s-maj=10.6km s-min=7.1km az=97.1

ISC 09 18:05:34.0, 4.0, 40.56N, 0.05, 72.97E, 0.04, h33km, n96, r1916/101, mb4.1/31, MS3.4/3, 6C-9D, Kyrzgzstan

Main table for 2004 APR section 2, columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, h, m, s, ISC

Main table for 2004 APR section 3, columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, h, m, s, ISC

CASC 09 18:05:52.5, 2.8, 10.52N, 86.63W, MD4.2, 6C-4D, Off coast of Costa Rica

Table for CASC 09 18:05:52.5, 2.8, 10.52N, 86.63W, MD4.2, 6C-4D, Off coast of Costa Rica

Table for 2004 APR section 4, columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, h, m, s, ISC

IDC 09 18:13:12.3, 7.7, 16.01S, 176.47W, h432km, 86km, mb3.4/8, mb1 3.6/8, mb1mx3.4/16, Error ellipse: s-maj=62.9km s-min=24.6km az=151.0, Fiji Islands

Main table for 2004 APR section 5, columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, h, m, s, ISC

IDC 09 18:24:02.2, 2.2, 3.64S, 135.38E, mb3.6/2, mb1 3.7/5, mb1mx3.6/2, ML3.2/3, MS3.2/1, Ms1 3.2/1, ms1mx2.8/15, Error ellipse: s-maj=95.2km s-min=27.0km az=78.0

ISC 09 18:24:07.9, 1.4, 3.88S, 0.10, 135.2E, 0.2, h33km, n6, r1910/8, mb3.4/2, MS3.1/1, Irian Jaya region

Main table for 2004 APR section 6, columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, h, m, s, ISC

ZUR 09 18:28:52.8, 47.69N, 9.35E, h25km, ML1.0/9, LEDBW 09 18:28:53.1, 0.0, 47.68N, 9.34E, h24km, 1km, ML1.5, 3.6, Error ellipse: s-maj=0.0km s-min=0.0km az=34.0

ISC 09 18:28:52.9, 0.8, 47.70N, 0.05, 9.31E, 0.06, h31km, 6km, n10, r0933/17, 5C-3D, Germany

Main table for 2004 APR section 7, columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, h, m, s, ISC

CASC 09 18:57:10.4, 0.2, 10.60N, 86.45W, h17km, 10km, MD4.2, 7C-4D, Off coast of Costa Rica

Main table for 2004 APR section 8, columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, h, m, s, ISC

MEX 09 19:00:49.3, 0.9, 18.09N, 102.86W, h16km, 9km, MD4.5

NEIC 09 19:00:51.3, 18.18N, 102.84W, h15km, MD4.5(MEX), After MEX

IDC 09 19:00:58.4, 6.0, 18.55N, 102.10W, h122km, 51km, mb3.5/7, mb1 3.8/8, mb1mx3.6/18, MS3.4/2, Ms1 3.4/2, ms1mx3.0/21, Error ellipse: s-maj=44.3km s-min=22.7km az=57.0

ISC 09 19:00:47.9, 0.7, 18.13N, 0.05, 102.86W, 0.03, h51km, 8km, n48, r1917/1, mb3.9/7, MS3.9/1, Michoacan

Main table for 2004 APR section 9, columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, h, m, s, ISC



Table with columns: Call Sign, Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other technical details. Includes stations like NWAO Narrogin (SRO), STKA Stephens Creek, MAJO Matsuhiro, etc.

Table with columns: Call Sign, Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other technical details. Includes stations like CPUP Villa Florida, NIED 09 21:34:00, JMA 09 21:34:41, etc.

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other technical details. Includes stations like NEIC 09 23:11:08, LDG 09 23:11:10, EMEL Melilla, etc.















Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Cap Rock, Redway, Newport, Tolsona, Auburn Hatcher, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Chengdu, Black Hills, Limon Verde, Cedar Bluff, Yakutsk, Lanzhou, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Corbin, Standing Stone, Binghamton, San Juan, Zalesovo, Makanchi Array, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Paradox Valley, Lajitas, LTX, TXAR.

IDC 10 06:10:51.7-1.0, 39.73N, 143.07E, mb3.6/7, mb1 3.8/9, s-min=20.2km az=110.0

JMA 10 06:10:55.4-0.2, 39.86N, 143.15E, h30km, M3.7

NEIC 10 06:10:59.4-2.5, 39.79N, 143.00E, h54km, 28km, 64/6/1

ISC 10 06:10:55.9-1.1, 39.76N, 143.06E, 0.09, h42km, 12km, n31, o093/36, mb3.7/8, Off east coast of Honshu

Main station list table for the first section, including stations like Tanohata, Miyako 2, Nango, Ohasama, Ichinoseki, etc.

NIED 10 06:14:00.24, 80N, 142.50E, h56km, Mw4.7. Best double couple: M1.11x1016 NP1.08, 89, 858, -1.53. NP2.02, 214, 847, -1.134

MOS 10 06:14:29.6, 1.1, 25.16N, 141.75E, h67km, mb4.9/5, Error ellipse: s-maj=23.2km s-min=8.3km az=107.6

BUI 10 06:14:29.25, 40.0, 141.75E, h41km, mb4.7, mb4.7, Ms4.3, Ms2.0

NEIC 10 06:14:30.4-0.2, 25.21N, 141.76E, mb4.8/36, Error ellipse: s-maj=8.3km s-min=4.4km az=100.0

IDC 10 06:14:30.7-1.0, 25.24N, 141.83E, h62km, 16km, mb4.3/25, mb1 4.5/29, mb1mx3.5/31, MS3.7/12, Ms1 3.7/12, ms1mx3.5/32, Error ellipse: s-maj=15.2km s-min=9.9km az=102.0

ISC 10 06:14:31.2-1.0, 25.20N, 141.71E, 0.04, h178km, 8km, h61km, 3.1km, p-P, n147, o092/152, mb4.6/63, 4C-3D, Volcano Islands region

Main station list table for the second section, including stations like Chichi jima, Matsushiro, Warramunga Arr, etc.

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

CMAR Chiang Mai Arr 40.14 269 P 06 21 19.1 -2.4

SHL Charters Tower 45.23 174 P 06 22 41.2 +2.1

CTA Charters Tower 45.23 174 P 06 22 41.9 -0.7

BILL Bilibino 45.39 13 P 06 22 42.8 -0.4

WBR Tennant Creek 45.43 190 E P 06 22 43.7 -0.5

WB2 Warramunga Arr 45.44 190 E P 06 22 43.8 -0.4

WRA Warramunga Arr 45.44 190 E P 06 22 43.8 -0.6

WRA Warramunga Arr 45.44 190 E P 06 22 43.8 -0.6

WRA Warramunga Arr 45.44 190 E P 06 22 43.8 -0.6

WRA Warramunga Arr 45.44 190 E P 06 22 43.8 -0.6

WRA Warramunga Arr 45.44 190 E P 06 22 43.8 -0.6

FITZ Fitzroy Crossi 45.80 202 E P 06 22 47.5 +0.4

FITZ Fitzroy Crossi 45.80 202 E P 06 22 47.5 +0.4

TIXI Tikisi 47.05 354 E P 06 22 56.4 +0.1

TIXI Tikisi 47.05 354 E P 06 22 56.4 +0.1

TIXI Tikisi 47.05 354 E P 06 22 56.4 +0.1

AS12 Alice Springs 49.16 189 E P 06 23 12.7 -0.6

ASAR Alice Springs 49.16 189 E P 06 23 12.4 -0.9

ASAR Alice Springs 49.16 189 E P 06 23 12.4 -0.9

ASAR Alice Springs 49.16 189 E P 06 23 12.4 -0.9

ASAR Alice Springs 49.16 189 E P 06 23 12.4 -0.9

ASAR Alice Springs 49.16 189 E P 06 23 12.4 -0.9

ASAR Alice Springs 49.16 189 E P 06 23 12.4 -0.9

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ASAR Alice Springs 49.16 189 E P 06 23 12.4 -0.9

ASAR Alice Springs 49.16 189 E P 06 23 12.4 -0.9

ASAR Alice Springs 49.16 189 E P 06 23 12.4 -0.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Newport, Lincnton Mounta, Kangaroo Island, etc.

CMAR Chiang Mai Arr 40.14 269 P 06 21 19.1 -2.4

SHL Charters Tower 45.23 174 P 06 22 41.2 +2.1

CTA Charters Tower 45.23 174 P 06 22 41.9 -0.7

BILL Bilibino 45.39 13 P 06 22 42.8 -0.4

WBR Tennant Creek 45.43 190 E P 06 22 43.7 -0.5

WB2 Warramunga Arr 45.44 190 E P 06 22 43.8 -0.4

WRA Warramunga Arr 45.44 190 E P 06 22 43.8 -0.6

WRA Warramunga Arr 45.44 190 E P 06 22 43.8 -0.6

WRA Warramunga Arr 45.44 190 E P 06 22 43.8 -0.6

WRA Warramunga Arr 45.44 190 E P 06 22 43.8 -0.6

WRA Warramunga Arr 45.44 190 E P 06 22 43.8 -0.6

FITZ Fitzroy Crossi 45.80 202 E P 06 22 47.5 +0.4

FITZ Fitzroy Crossi 45.80 202 E P 06 22 47.5 +0.4

TIXI Tikisi 47.05 354 E P 06 22 56.4 +0.1

TIXI Tikisi 47.05 354 E P 06 22 56.4 +0.1

TIXI Tikisi 47.05 354 E P 06 22 56.4 +0.1

AS12 Alice Springs 49.16 189 E P 06 23 12.7 -0.6

ASAR Alice Springs 49.16 189 E P 06 23 12.4 -0.9

ASAR Alice Springs 49.16 189 E P 06 23 12.4 -0.9

ASAR Alice Springs 49.16 189 E P 06 23 12.4 -0.9

ASAR Alice Springs 49.16 189 E P 06 23 12.4 -0.9

ASAR Alice Springs 49.16 189 E P 06 23 12.4 -0.9

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ASAR Alice Springs 49.16 189 E P 06 23 12.4 -0.9

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ASAR Alice Springs 49.16 189 E P 06 23 12.4 -0.9

IDC 10 06:25:26.1-1.8, 26.00N, 101.61E, mb3.5/2, mb1 3.8/2, mb1mx3.3/16, Error ellipse: s-maj=46.0km s-min=24.9km az=110.0

BUI 10 06:25:28.2, 25.91N, 101.20E, h18km, ML3.5

ISC 10 06:25:25.0-1.4, 25.73N, 100.07-101.29E, 0.06, h10km, 11km, n7, o125/12, mb3.5/2, Yunnan

Main station list table for the third section, including stations like Kunming, Warramunga Arr, etc.

IDC 10 06:26:25.0-0.8, 19.46N, 145.63E, mb4.8, mb1 4.3/8, mb1mx4.0/20, Error ellipse: s-maj=36.9km s-min=17.3km az=108.0

NEIC 10 06:26:27.4-0.6, 19.41N, 145.71E, h10km, mb4.7/1, Error ellipse: s-maj=27.4km s-min=12.4km az=100.0

ISC 10 06:26:25.7-0.7, 19.37N, 145.08E, 0.06, h10km, n14, o094/14, mb3.9/10, Mariana Islands

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





Table with columns for call sign, frequency, power, and other technical details. Includes stations like QIZ, CTA, MDJ, and others.

Table with columns for call sign, frequency, power, and other technical details. Includes stations like MDJ, CN2, YSS, and others.

Table with columns for call sign, frequency, power, and other technical details. Includes stations like NWAO, GAT, and others.







Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like NANT, BDT, NJ2, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like ZE1, ILAR, KMBO, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like GUMT, KLTZ, ELZG, etc.





**ML3.8/3, 3C-1D, Error ellipse: s-maj=50.1km s-min=19.1km az=167.0, Sumbawa region**

Code	Station Name	Δ°	ΔZ°	Phase ID	Time	Res
					h m s	ISC
KEDI	Kedondong	1.04	3511	Op	15 36 05.2	-0.9
KEDI	Rata	1.08	3171	Op	15 35 49.2	-0.0
RATI	Ingas	1.32	3021	Op	15 35 06.1	-0.8
RATI	Ingas	1.32	3021	Op	15 35 52.4	-0.2
INGI	Ingas	1.32	3021	Op	15 36 10.5	-1.3
KELI	Kelakatan	2.19	3061	Op	15 36 03.1	-0.3

**IDC 10 15:36:19.5-1.1, 9.18S, 150.78E, mb4.1/6, mb1 4.2/8, mb1mx4.1/13, ML3.0/2, MS3.9/2, Ms1 3.3/2, ms1mx3.0/19, Error ellipse: s-maj=30.0, 14km s-min=18.6km az=140.0, NEIC 10 15:36:26.9-3.3, 9.25S, 150.65E, h55km, 26km, mb4.2/4, Error ellipse: s-maj=32.6km s-min=13.9km az=105.0, ISC 10 15:36:26.9-3.7, 9.35-0.1, 150.66E, 0.2, h66km, 29km, n19, 0.95R/20, mb3.9/7, Eastern New Guinea region**

Code	Station Name	Δ°	ΔZ°	Phase ID	Time	Res
					h m s	ISC
PMG	Port Moresby	3.36	268	Op	15 37 16.9	-1.3
PMG	Port Moresby	3.36	268	Op	15 37 16.8	-1.4
PMG	Port Moresby	3.36	268	Op	15 37 25.8	+7.6
PMG	Port Moresby	3.36	268	Op	15 37 57.9	+0.8
PMG	Port Moresby	3.36	268	Op	15 38 14.8	+1.8
WAW	Wau	4.27	297	Op	15 37 32.0	+1.0
CTA	Charters Tower	11.51	201	LR	15 41 58.6	
KAKA	Kakadu	18.14	258	Op	15 40 35.3	-0.7
WRAB	Tennant Creek	18.90	234	P	15 40 43.2	-1.6
WB2	Warramunga Arr	18.90	234	P	15 40 44.2	-0.6
WRA	Warramunga Arr	18.90	234	P	15 40 44.6	-0.4
AS12	Alice Springs	21.39	226	P	15 41 12.0	+1.0
ASAR	Alice Springs	21.39	226	P	15 41 11.4	+0.5
STKA	Stevens Creek	23.96	199	P	15 41 38.0	+1.9
STKA	Stevens Creek	23.96	199	P	15 41 38.0	+1.9
FITZ	Fitzroy Crossi	25.72	247	Op	15 51 59.2	
FITZ	Fitzroy Crossi	25.72	247	Op	15 51 53.4	+0.5
SONM	Songino Array	68.99	330	P	15 47 27.9	+0.6
QSPA	South Pole Qui	80.69	180	Op	15 48 33.9	+0.1
MKAR	Makanchi Array	82.27	320	P	15 48 42.9	+0.3
MKAR	Makanchi Array	82.27	320	P	15 48 42.9	+0.3
ILAR	Eielson Array	87.14	22	P	15 49 05.0	-1.4
GERES	GERES Array B	126.60	326	PKPdf	15 55 24.9	+2.1

**MOS 10 15:56:59.2-0.8, 13.14N, 93.32E, h29km, mb5.4/33, MS4.7/17, Error ellipse: s-maj=14.0km s-min=5.7km az=116.5, BUJ 10 15:56:59.6, 12.95N, 93.18E, h42km, mb5.1, mb5.3, Ms5.0, MS2.1**

**HRVD 10 15:57:01.5-0.4, 13.19N, 93.09E, h33km, 1km, MW5.0/42, Centroid moment Tensor Solution. LP body waves: s2,9,c45, Mantle waves: s42,c69. Half duration: 0 Moment tensor: Scale 10<sup>16</sup>Nm; Mr3.59±.22; Mw0.53±.15; Mw0-4.12±.16; Mw-1.02±.22; Mb-0.80±.13; Mbr-2.35±.24; Best double couple: M4.69x10<sup>16</sup> NP1.35±59°; T.431, Plg72°, NP2±0.198°, δ62°, λ99°. Principal axes: T, 4.40, Plg72°, Azm129°; N, 5.8, Plg8°, Azm14°; P, 4.98, Plg16°, Azm281°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.**

**IDC 10 15:57:01.5-1.9, 13.01N, 93.27E, h32km, 13km, mb5.0/19, mb1 5.0/20, mb1mx5.0/21, ML5.1/1, MS4.7/8, Ms1 4.8/8, ms1mx4.4/25 Error ellipse: s-maj=15.9km s-min=9.8km az=48.0, NEIC 10 15:57:01.6-1.9, 13.11N, 93.22E, h34km, 12km, mb5.0/106, MS5.4/97, Error ellipse: s-maj=5.7km s-min=3.7km az=217.0, SYO 10 15:57:01.5, 13.11N, 93.22E, h34km, MB5.0, MS5.4**

**ISC 10 15:56:57.6-0.9, 13.08N, 0.03, 93.19E, 0.02, h18km, 6km, h29km, 1.5km, p-P, n5.04, 0.95R/418, mb5.0/152, MS5.2/115, 54C-15D, Andaman Islands region**

Code	Station Name	Δ°	ΔZ°	Phase ID	Time	Res
					h m s	ISC
PBA	Port Blair	1.48	197	Op	15 57 26.5	+2.9
NNT	Nongplab	6.40	94	P	15 58 35.0	+1.6
BDT	Bhumibol Dam	6.97	53	Pn	15 58 42.5	+1.0
CM31	Chiang Mai Arr	7.70	45	Op	15 58 51.3	-0.3
CMAR	Chiang Mai Arr	7.70	45	Pn	15 58 51.9	+0.2
CMAR	Chiang Mai Arr	7.70	45	Pn	16 00 21.1	+1.9
CMAR	Chiang Mai Arr	7.70	45	LR	16 02 22.6	
CHAT	Chantaburi	8.77	93	P	15 59 07.5	+0.9
NANT	Nan	9.19	51	Op	15 59 15.0	+2.6
VIS	Vishakhapatnam	10.57	297	Op	15 59 29.1	-2.4
VIS	Vishakhapatnam	10.57	297	Op	16 01 17.6	-1.3
VIS	Vishakhapatnam	10.57	297	Op	16 01 22.4	
SHL	Shillong	12.48	355	Op	15 59 54.5	-2.9
SHL	Shillong	12.48	355	Op	15 59 55.5	
SHL	Shillong	12.48	355	Op	16 02 06.2	-1.1
KGD	Kothagudem	12.89	292	Op	16 00 02.9	+0.1
KGD	Kothagudem	12.89	292	Op	16 00 13.5	
SHBG	Sahibganj	13.15	337	Op	16 02 13.9	-1.3
BLSP	Bilaspur	13.86	312	Op	16 00 15.0	-0.7
BLSP	Bilaspur	13.86	312	Op	16 02 32.4	
CUD	Cuddapah	14.09	277	Op	16 00 17.1	-1.6
CUD	Cuddapah	14.09	277	Op	16 02 28.2	
CUD	Cuddapah	14.09	277	Op	16 02 40.7	-1.5
CUD	Cuddapah	14.09	277	Op	16 03 04.0	
CUD	Cuddapah	14.09	277	Op	16 02 08.8	
HYB	Hyderabad	14.77	289	Op	16 00 27.5	-0.2
HYB	Hyderabad	14.77	289	Op	16 00 35.0	
HYB	Hyderabad	14.77	289	Op	16 02 58.0	
HYB	Hyderabad	14.77	289	Op	16 00 22.0	+0.3
KGM	Kluang	14.87	1371	Op	16 00 32.0	+3.0
KMI	Kunming	14.99	36	Op	16 00 33.8	+3.0
KMI	Kunming	14.99	36	Op	16 00 38.3	
KMI	Kunming	14.99	36	Op	16 03 23.2	+6.4
KMI	Kunming	14.99	36	Op	16 09 11.1	
KMI	Kunming	14.99	36	Op	16 09 14.3	
KMI	Kunming	14.99	36	Op	16 12 49.0	+0.7
KMI	Kunming	14.99	36	Op	16 00 33.8	+3.0
KMI	Kunming	14.99	36	Op	16 00 38.3	
KMI	Kunming	14.99	36	Op	16 03 23.2	+6.4
KMI	Kunming	14.99	36	Op	16 09 11.1	
KMI	Kunming	14.99	36	Op	16 09 14.3	
KMI	Kunming	14.99	36	Op	16 12 49.0	+0.7
KMI	Kunming	14.99	36	Op	16 00 33.8	+3.0
KMI	Kunming	14.99	36	Op	16 00 38.3	
KMI	Kunming	14.99	36	Op	16 03 23.2	+6.4
KMI	Kunming	14.99	36	Op	16 09 11.1	
KMI	Kunming	14.99	36	Op	16 09 14.3	
KMI	Kunming	14.99	36	Op	16 12 49.0	+0.7
KMI	Kunming	14.99	36	Op	16 00 33.8	+3.0
KMI	Kunming	14.99	36	Op	16 00 38.3	
KMI	Kunming	14.99	36	Op	16 03 23.2	+6.4
KMI	Kunming	14.99	36	Op	16 09 11.1	
KMI	Kunming	14.99	36	Op	16 09 14.3	
KMI	Kunming	14.99	36	Op	16 12 49.0	+0.7
KMI	Kunming	14.99	36	Op	16 00 33.8	+3.0
KMI	Kunming	14.99	36	Op	16 00 38.3	
KMI	Kunming	14.99	36	Op	16 03 23.2	+6.4
KMI	Kunming	14.99	36	Op	16 09 11.1	
KMI	Kunming	14.99	36	Op	16 09 14.3	
KMI	Kunming	14.99	36	Op	16 12 49.0	+0.7
KMI	Kunming	14.99	36	Op	16 00 33.8	+3.0
KMI	Kunming	14.99	36	Op	16 00 38.3	
KMI	Kunming	14.99	36	Op	16 03 23.2	+6.4
KMI	Kunming	14.99	36	Op	16 09 11.1	
KMI	Kunming	14.99	36	Op	16 09 14.3	
KMI	Kunming	14.99	36	Op	16 12 49.0	+0.7
KMI	Kunming	14.99	36	Op	16 00 33.8	+3.0
KMI	Kunming	14.99	36	Op	16 00 38.3	
KMI	Kunming	14.99	36	Op	16 03 23.2	+6.4
KMI	Kunming	14.99	36	Op	16 09 11.1	
KMI	Kunming	14.99	36	Op	16 09 14.3	
KMI	Kunming	14.99	36	Op	16 12 49.0	+0.7
KMI	Kunming	14.99	36	Op	16 00 33.8	+3.0
KMI	Kunming	14.99	36	Op	16 00 38.3	
KMI	Kunming	14.99	36	Op	16 03 23.2	+6.4
KMI	Kunming	14.99	36	Op	16 09 11.1	
KMI	Kunming	14.99	36	Op	16 09 14.3	
KMI	Kunming	14.99	36	Op	16 12 49.0	+0.7
KMI	Kunming	14.99	36	Op	16 00 33.8	+3.0
KMI	Kunming	14.99	36	Op	16 00 38.3	
KMI	Kunming	14.99	36	Op	16 03 23.2	+6.4
KMI	Kunming	14.99	36	Op	16 09 11.1	
KMI	Kunming	14.99	36	Op	16 09 14.3	
KMI	Kunming	14.99	36	Op	16 12 49.0	+0.7
KMI	Kunming	14.99	36	Op	16 00 33.8	+3.0
KMI	Kunming	14.99	36	Op	16 00 38.3	
KMI	Kunming	14.99	36	Op	16 03 23.2	+6.4
KMI	Kunming	14.99	36	Op	16 09 11.1	
KMI	Kunming	14.99	36	Op	16 09 14.3	
KMI	Kunming	14.99	36	Op	16 12 49.0	+0.7
KMI	Kunming	14.99	36	Op	16 00 33.8	+3.0
KMI	Kunming	14.99	36	Op	16 00 38.3	
KMI	Kunming	14.99	36	Op	16 03 23.2	+6.4
KMI	Kunming	14.99	36	Op	16 09 11.1	
KMI	Kunming	14.99	36	Op	16 09 14.3	
KMI	Kunming	14.99	36	Op	16 12 49.0	+0.7
KMI	Kunming	14.99	36	Op	16 00 33.8	+3.0
KMI	Kunming	14.99	36	Op	16 00 38.3	
KMI	Kunming	14.99	36	Op	16 03 23.2	+6.4
KMI	Kunming	14.99	36	Op	16 09 11.1	
KMI	Kunming	14.99	36	Op	16 09 14.3	
KMI	Kunming	14.99	36	Op	16 12 49.0	+0.7
KMI	Kunming	14.99	36	Op	16 00 33.8	+3.0
KMI	Kunming	14.99	36	Op	16 00 38.3	
KMI	Kunming	14.99	36	Op	16 03 23.2	+6.4
KMI	Kunming	14.99	36	Op	16 09 11.1	
KMI	Kunming	14.99	36	Op	16 09 14.3	
KMI	Kunming	14.99	36	Op	16 12 49.0	+0.7
KMI	Kunming	14.99	36	Op	16 00 33.8	+3.0
KMI	Kunming	14.99	36	Op	16 00 38.3	
KMI	Kunming	14.99	36	Op	16 03 23.2	+6.4
KMI	Kunming	14.99	36	Op	16 09 11.1	
KMI	Kunming	14.99	36	Op	16 09 14.3	
KMI	Kunming	14.99	36	Op	16 12 49.0	+0.7
KMI	Kunming	14.99	36	Op		







Table with columns: Station, Frequency, Band, Mode, Power, Azimuth, Elevation, etc. Includes stations like Ulanbaatar, Songlino Array, ZAK TLY, etc.

Table with columns: Station, Frequency, Band, Mode, Power, Azimuth, Elevation, etc. Includes stations like KSP Ksiaz, CLZ Clausthal, CLM Collin, etc.

Table with columns: Station, Frequency, Band, Mode, Power, Azimuth, Elevation, etc. Includes stations like EMIN Mina Concepcio, EMIN Sierra de Lija, EMIN Espera, etc.







10d 19h

Table with columns: RATI, KEDI, Station Name, Time, Res, ISC. Includes data for Rata, Kedomong, etc.

IDC 10 17:30:49.5,0.9, 24.52Sx176.00W, mb4.3/12, mb1 4.5/14, mb1mx4.4/18, ML4.6/2, MS4.2/6, Ms1 4.2/6, ms1mx3.9/23, Error ellipse: s-maj=39.1km s-min=18.7km az=152.0

BUJ 10 17:30:50.8, 23.91S, 175.78W, h6km, mb5.2, mb5.0

NEIC 10 17:30:51.2, 0.4, 24.44Sx176.12W, h10km, mb5.0/8, Error ellipse: s-maj=12.9km s-min=9.9km az=142.0

ISC 10 17:30:50.2, 0.4, 24.52Sx0.08x176.16W, 0.10, h10km, n43, 1502/40, mb4.6/22, MS4.2/6, 1C-2D, South of Fiji Islands

Main table for 10d 19h section, listing station names, times, and residuals for various seismic events.

IDC 10 17:35:20.6, 1.5, 7.88N-93.97E, mb3.7/5, mb1 3.8/6, mb1mx3.7/15, ML3.5/1, Error ellipse: s-maj=49.8km s-min=27.2km az=57.0

NEIC 10 17:35:21.9, 1.0, 7.87N-93.96E, h10km, Error ellipse: s-maj=25.5km s-min=17.4km az=69.0

ISC 10 17:35:20.7, 1.2, 7.9N, 0.1, 94.2E, 0.2, h10km, n15, 119/15, mb3.8/9, Nicobar Islands region

Table for 10d 19h section, listing station names, times, and residuals for various seismic events.

NEIC 10 17:39:57.8, 38.44N-24.00E, h9km, ML2.5(ATH), After ATH

ATH 10 17:39:57.7, 38.44N-24.01E, h9km, 4km, ML2.6

THE 10 17:40:00.5, 38.51N-24.01E, h20km, ML2.8

ISC 10 17:39:56.8, 1.0, 38.46N, 0.03, 23.98E, 0.10, h9km, n13, 1506/18, 1C, Greece

Table for 10d 19h section, listing station names, times, and residuals for various seismic events.

2004 APR

Table with columns: NSAL, AOS, NAIG, NEO, NAO, XOR, AGG, EVR, OUR, ITM, Station Name, Time, Res, ISC. Includes data for Alonnisos, Nicos Aigina, Neokhori, etc.

NEIC 10 18:03:44.6, 1.0, 33.62Sx178.11W, h10km, Error ellipse: s-maj=32.0km s-min=14.4km az=136.0

IDC 10 18:03:47.2, 3.0, 33.53Sx178.73W, mb3.6/2, mb1 3.9/3, mb1mx3.7/12, ML3.7/1, Error ellipse: s-maj=70.6km s-min=36.1km az=117.0

ISC 10 18:03:45.1, 1.1, 33.85S, 0.1, 178.0W, 0.2, h33km, n8, 893/9, mb3.5/2, South of Kermadec Islands

Table for 2004 APR section, listing station names, times, and residuals for various seismic events.

IDC 10 18:06:58.3, 3.0, 32.29Sx178.24W, mb3.7/2, mb1 4.0/3, mb1mx3.7/13, ML3.3/1, Error ellipse: s-maj=69.7km s-min=36.4km az=115.0

ISC 10 18:07:00.1, 5.8, 32.55S, 0.2, 178.0W, 0.9, h33km, n4, 405/40, mb3.6/2, South of Kermadec Islands

Table for 2004 APR section, listing station names, times, and residuals for various seismic events.

IDC 10 18:12:29.6, 0.9, 56.00Sx26.54W, mb4.0/3, mb1 4.2/3, mb1mx3.9/10, Error ellipse: s-maj=62.0km s-min=31.1km az=64.0, South Sandwich Islands region

Table for 2004 APR section, listing station names, times, and residuals for various seismic events.

NEIC 10 18:22:07.2, 34.26Sx70.94W, h80km, MD3.2(GUC), After GUC

GUC 10 18:22:07.2, 0.7, 34.26Sx70.94W, h80km, 2km, MD3.2, ML3.5, 14C-9D, Chile-Argentina border region

Table for 2004 APR section, listing station names, times, and residuals for various seismic events.

LMEL Las Melosas 0.74 56 11P P 18 22 24.1 +0.6

RCDM Rinconada Maip 0.78 8 11P P 18 22 24.1 +0.1

RCDM Rinconada Maip 0.78 8 11P P 18 22 24.1 +0.1

RCDM Rinconada Maip 0.78 8 11P P 18 22 24.1 +0.1

RCDM Rinconada Maip 0.78 8 11P P 18 22 24.1 +0.1

RCDM Rinconada Maip 0.78 8 11P P 18 22 24.1 +0.1

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RCDM Rinconada Maip 0.78 8 11P P 18 22 24.1 +0.1

RCDM Rinconada Maip 0.78 8 11P P 18 22 24.1 +0.1

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RCDM Rinconada Maip 0.78 8 11P P 18 22 24.1 +0.1

RCDM Rinconada Maip 0.78 8 11P P 18 22 24.1 +0.1

RCDM Rinconada Maip 0.78 8 11P P 18 22 24.1 +0.1

RCDM Rinconada Maip 0.78 8 11P P 18 22 24.1 +0.1

RCDM Rinconada Maip 0.78 8 11P P 18 22 24.1 +0.1

228

IDC 10 18:22:42.9, 5.1, 7.53N-137.06E, mb3.8/4, mb1 3.8/4, mb1mx3.5/18, Error ellipse: s-maj=381.0km s-min=27.9km az=71.0, Western Caroline Islands

Table for 228 section, listing station names, times, and residuals for various seismic events.

IDC 10 18:36:21.5, 1.8, 32.64Sx177.98W, mb4.6/3, mb1 4.8/3, mb1mx4.2/11, MS4.2/2, Ms1 4.2/2, ms1mx3.7/14, Error ellipse: s-maj=56.9km s-min=29.0km az=138.0

NEIC 10 18:36:24.8, 0.6, 32.43Sx178.29W, h10km, mb5.0/9, Error ellipse: s-maj=16.4km s-min=14.2km az=214.0

ISC 10 18:36:24.3, 0.8, 32.66Sx0.06x178.5W, 0.1, h10km, n53, 494/38, mb4.8/11, MS4.2/3, 11C-3D, South of Kermadec Islands

Table for 228 section, listing station names, times, and residuals for various seismic events.

IDC 10 18:42:05.9, 1.0, 56.00Sx26.54W, mb4.0/3, mb1 4.2/3, mb1mx3.9/10, Error ellipse: s-maj=62.0km s-min=31.1km az=64.0, South Sandwich Islands region

ISC 10 18:42:05.9, 1.0, 56.00Sx26.54W, mb4.0/3, mb1 4.2/3, mb1mx3.9/10, Error ellipse: s-maj=62.0km s-min=31.1km az=64.0, South Sandwich Islands region

Table for 228 section, listing station names, times, and residuals for various seismic events.

IDC 10 18:42:05.9, 1.0, 56.00Sx26.54W, mb4.0/3, mb1 4.2/3, mb1mx3.9/10, Error ellipse: s-maj=62.0km s-min=31.1km az=64.0, South Sandwich Islands region

Table for 228 section, listing station names, times, and residuals for various seismic events.

IDC 10 18:42:05.9, 1.0, 56.00Sx26.54W, mb4.0/3, mb1 4.2/3, mb1mx3.9/10, Error ellipse: s-maj=62.0km s-min=31.1km az=64.0, South Sandwich Islands region

ISC 10 18:42:05.9, 1.0, 56.00Sx26.54W, mb4.0/3, mb1 4.2/3, mb1mx3.9/10, Error ellipse: s-maj=62.0km s-min=31.1km az=64.0, South Sandwich Islands region

Table for 228 section, listing station names, times, and residuals for various seismic events.

IDC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

ISC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

ISC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

ISC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

ISC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

ISC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

ISC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

ISC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

ISC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

ISC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

ISC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

ISC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

ISC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

ISC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

ISC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

ISC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

ISC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

ISC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

ISC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

ISC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

ISC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

ISC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

ISC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

ISC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

ISC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

ISC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

ISC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

ISC 10 18:40:25.9, 2.8, 57.00Sx25.75W, mb4.3/1, mb1 4.5/1, mb1mx3.8/10, MS3.8/5, Ms1 3.8/3, ms1mx3.5/14, Error ellipse: s-maj=381.0km s-min=53.5km az=31.0, South Sandwich Islands region

Table with columns: CTA, Charters Tower, Alice Springs, WRA, SNA, VNA3, VNA2, Kangasniemi, FINES, FINESS Array B, etc.

IDC 10 19:10.14.9.3.1, 32.32S-178.18W, mb3.5/2, mb1 3.7/2, mb1mx3.6/12, Error ellipse: s-maj=73.5km, s-min=46.4km, az=121.0, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

IDC 10 19:23.50.51.6.3, 58.58N-70.52E, mb3.7/4, mb1 3.7/6, mb1mx3.5/19, ML3.3/2, Error ellipse: s-maj=44.8km, s-min=28.7km, az=47.0

NNC 10 19:24.21.8.2.3, 37.33N-70.91E, h214km, 20km, mpv3.1, Error ellipse: s-maj=27.9km, s-min=13.6km, az=38.0

ISC 10 19:24.10.1.2.1, 36.4N-10.17E, 0.2, h163km, 23km, n15, +084/19, mb3.4/4, 5C, Hind, Kust, region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

IDC 10 20:00.44.2.0.8, 10.75S-165.60E, mb4.2/13, mb1 4.3/13, mb1mx4.2/19, MS3.7/6, Mst 3.7/6, ms1mx3.5/20, Error ellipse: s-maj=27.9km, s-min=17.4km, az=135.0

NEIC 10 20:00.45.9.0.2, 16.71S-165.59E, h10km, mb4.7/2, Error ellipse: s-maj=19.9km, s-min=11.5km, az=143.0

ISC 10 20:00.47.8.0.6, 10.8S-10.165.5E, 0.1, h33km, n12, +0875/16, mb4.1/14, MS3.7/6, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

JAP 10 20:35.25.4.2, 19.71N-120.41E, h34km, ML3.1

TAP 10 20:35.26.4.0.4, 21.62N-120.90E, h110km

ISC 10 20:35.26.4.2.5, 21.5N-121.1E, 0.3, h34km, n5, +0523/9, Taiwan region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

JMA 10 20:41:09.5.0.2, 24.29N-121.88E, h24km, ML2.3

TAP 10 20:41:11.1.24.33N-121.95E, h5km, ML2.9

ISC 10 20:41:10.0.2.6, 24.3N-121.9E, 0.2, h22km, 17km, n5, +0531/10, Taiwan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

Table with columns: JTJ, Tarama, 2.57 82 P, Pn, 20 41 51.6 +0.4, 20 42 22.0 -0.1

NEIC 10 20:49:29.7, 39.20S-175.85E, h68km, ML3.8(WEL), After WEL

WEL 10 20:49:29.8-0.1, 39.20S-175.84E, h67km, 1km, ML3.7/5, 4C-7D, Error ellipse: s-maj=0.9km, s-min=0.9km, az=0.0, North Island

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

IDC 10 20:56:45.6.3.2, 5.27S-102.59E, mb3.6/7, mb1 3.7/7, mb1mx3.7/14, Error ellipse: s-maj=144.0km, s-min=18.9km, az=56.0

NEIC 10 20:56:58.7.1.2, 4.70S-103.48E, h85km, mb4.5/2, Error ellipse: s-maj=54.6km, s-min=9.7km, az=53.0

ISC 10 20:56:49.9.1.8, 5.1S-103.1E, 0.4, h33km, n11, +0999/10, mb3.6/8, Southern Sumatara

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

NEIC 10 21:07:37.0.2.5, 4.71S-129.55E, h138km, 27km, mb4.2/6, Error ellipse: s-maj=26.4km, s-min=11.5km, az=57.0

IDC 10 21:07:38.0.8.5, 4.73S-129.56E, h146km, 87km, mb3.7/7, mb1 4.0/10, mb1mx3.8/16, Error ellipse: s-maj=61.3km, s-min=19.7km, az=50.0

ISC 10 21:07:38.6.1.7, 4.94S-102.4E, 0.1, h177km, 18km, n31, +1913/37, mb4.2/16, 1C, Banda Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

Table with columns: WRAB, WRA, WRA, WB2, AS12, AS12, ASAR, CTA, STKA, STKA, CMAR, CM31, ENH, ENH, BJT, BJT, LSA, LSA, PKI, PKI, KKN, KKN, DMN, DMN, GKN, GKN, KOLN, KOLN, DAN, DAN, ULN, ULN, SONAR, SONAR, MKM, MKM, ZAL, ZAL, ZAL, ZAL, BRV, BRV, CHKZ, CHKZ

MDD 10 21:24:39.7.1.4, 36.41N-7.77W, h28km, 24km, mb3.5/7, Error ellipse: s-maj=20.6km, s-min=5.6km, az=31.0, PRXIMO

INMG 10 21:24:40.0.0.8, 36.42N-7.77W, h24km, 10km, MD2.9, ML1.9, Error ellipse: s-maj=6.6km, s-min=2.9km, az=31.0

NEIC 10 21:24:40.4, 36.35N-7.78W, h20km, MN2.2(MDD), After MDD

ISC 10 21:24:38.6.0.9, 36.50N-0.05, 7.65W, 0.04, h24km, n28, +0811/51, Strait of Gibraltar

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

NEIC 10 21:26:22.3, 27.91N-15.04W, h25km, MN1.9(MDD), After MDD

MDD 10 21:26:22.7, 28.13N-15.04W, h11km, 7km, mb1g1/8.6, Error ellipse: s-maj=11.4km, s-min=2.0km, az=168.0, PRXIMO, Canary Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.







Table of station data for 10d 23h, including columns for station name, coordinates, and various parameters like SNR and elevation.

Main table of station data for 2004 APR, listing stations like WRA, WRAB, ASAR, etc., with their respective coordinates and parameters.

Table of station data for NEIC and NIED regions, including station names like VACH, TLL, LSCH, etc., and their coordinates.



Table with columns for station name, time, and other details. Includes stations like MAKANCHI Array, SONMG Sogingo Array, ULN Ulanbaatar, etc.

NIED 11 00:42:00, 40.40N, 141.10E, h101km, Mw4.2 Best double couple...
MOS 11 00:42:04.0, 1.5, 40.38N, 141.00E, h90km, mb4.5/17, Error ellipse: s-maj=13.8km s-min=6.3km az=87.4

Near east coast of eastern Honshu

Main table listing seismic stations with columns for Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, and other parameters.

Main table listing seismic stations with columns for YKA, PpP, PpP, Time, Res, ISC, and other parameters.

Main table listing seismic stations with columns for station name, time, and other details. Includes stations like MAKANCHI Array, SONMG Sogingo Array, ULN Ulanbaatar, etc.

SYO 11 01:09:29.4, 18.61S, 175.85W, h244km, MB4.5
NEIC 11 01:09:29.5, 0.2, 18.61S, 175.85W, mb4.5/19, Error ellipse: s-maj=10.9km s-min=6.2km az=143.0

Code Station Name Az Phase ID Time Res ISC

Table listing seismic stations with columns for Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, and other parameters.



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EJIF Jimena Fronter, ELUJ Loures, and EADA Adamuz.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GZT Gaziantep, MYA Malatya, and ELZG Elazig.

BUI 11 02:29:51.8, 54.42S, 118.74W, h10km, mB5.0, Ms5.0, Ms4.8
IDC 11 02:29:51.7, 0.7, 54.76S, 119.15W, mb4.7, mb1 4.6/7, mb1mx4.4/12, MS3.9/12, Ms1 3.9/12, ms1mx3.8/15, Error ellipse: s-maj=40.0km s-min=25.2km az=134.0

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PMSA Palmer Station, QSPA South Pole QUA, and VNA1 Neumayer-Stat.

NEIC 11 02:30:18.4, 35.51N-25.79E, h23km, MD3.3(ATH), After ATH
ATH 11 02:30:18.3, 35.50N-25.82E, h24km, 2km, MD3.3/7
THE 11 02:30:19.2, 35.44N-25.84E, h20km
ISC 11 02:30:18.2, 0.7, 35.45N-25.89E, 0.03-25.89E, 0.06, h17km, 8km, n15, c=71/27, D, Crete

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NPS Neapolis, KRIS Kristallenia, and XRY Thira Island.

IDC 11 02:37:38.3, 0.9, 19.81S-175.12W, mb4.2/6, mb1 4.4/7, mb1mx4.4/16, ML4.4/14, MS4.1/11, Ms1 4.1/11, ms1mx2.8/23, Error ellipse: s-maj=42.4km s-min=21.4km az=142.2
NEIC 11 02:37:45.5, 0.5, 19.89S-175.18W, h50km, mb4.2/4, Error ellipse: s-maj=22.3km s-min=11.5km az=143.0
ISC 11 02:37:41.4, 0.6, 20.1S-175.01W, 0.10, h33km, n18, c=11/118, mb4.2/10, MS3.9/1, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RAR Rarotonga, RAR Rarotonga, and RAR Rarotonga.

Table with columns: CTA, Charters Tower, Azimuth, Phase ID, Time, Res. Includes stations like CTAO Charters Tower, STKA Stephens Creek, and ASAR Alice Springs.

NEIC 11 03:01:29.0, 38.14N-23.19E, h5km, ML2.6(ATH), After ATH
THE 11 03:01:29.0, 38.14N-23.19E, h5km, 3km, ML2.6
MLI 11 03:01:30.7, 38.26N-23.21E, h10km, ML2.9
ISC 11 03:01:28.3, 0.7, 38.19N-20.03-23.23E, 0.04, h2km, 6km, n21, c=63/31, 3D, Greece

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NSAL Nisios Salamina, MPAR Parnis Oros, and ATH Athens Observa.

IDC 11 03:05:32.3, 1.8, 21.92N-143.05E, h268km, 15km, mb3.5/17, mb1 3.7/20, mb1mx3.6/28, Error ellipse: s-maj=17.1km s-min=12.9km az=95.0

NEIC 11 03:05:35.9, 1.9, 21.91N-143.03E, h308km, 19km, mb3.9/4, Error ellipse: s-maj=13.9km s-min=9.3km az=92.2

ISC 11 03:05:31.4, 1.4, 21.89N-108.143E, 0.1, h275km, 11km, n40, c=85/42, mb3.9/23, Mariana Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CBIJ Chichi jima, CBIJ Chichi jima, and CBIJ Chichi jima.

KS15 Wouju Array Si 20.32 323 eP
ASAJ Asahikawa 22.17 359 eP

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRAB Tennant Creek, WRA Warramunga Arr, and ASAR Alice Springs.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RAR Rarotonga, RAR Rarotonga, and RAR Rarotonga.







Table with columns for station code, name, frequency, and various signal quality metrics (e.g., SNR, S/N, etc.). Includes stations like SSE, TAU, UBT, PPI, MAJO, etc.

Table with columns for station code, name, frequency, and various signal quality metrics. Includes stations like URZ, MLZ, RPZ, TIY, PUZ, BJT, BJI, etc.

Table with columns for station code, name, frequency, and various signal quality metrics. Includes stations like SKR, GTA, LSA, LSA, LSA, etc.





Table of race results for 11d 7h, listing various horses and jockeys with their respective times and positions.

Table of race results for 2004 APR, listing various horses and jockeys with their respective times and positions.

Table of race results for 240, listing various horses and jockeys with their respective times and positions.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TROA, DWPF, PCHM, PTOM, etc.

NEIC 11 07:59:15.0, 0.32, 12S:72.10W, h30km, ML3.7(GUC), After GUC.

GUC 11 07:59:15.0-0.9, 32.12S:72.10W, h30km, ML3.7(GUC), MD4.1, ML3.7, 6C-8D, Off coast of central Chile

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PACH, ILCH, PTCH, ROCH, etc.

IDC 11 08:33:52.9-1.1, 60.59S:144.16W, mb3.9/3, mb1 4.1/3, mb1mx3.8/1.1, MS4.2/2, Ms1 4.2/2, Ms1mx4.0/1.3, Error ellipse: s-maj=312.0km s-min=27.9km az=177.0, Southern Pacific Ocean

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like RPZ, URZ, ASAR.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA, LPZA, ESDC, MKAR, BVAR.

LDG 11 08:42:50.7-0.2, 43.11N:1.21W, h6km, Md2.0/2, M1.9/5, Error ellipse: s-maj=3.5km s-min=2.2km az=36.0, NEIC 11 08:42:50.7, 43.11N:1.21W, h6km, ML2.1(STR), ML1.9(LDG), MN1.6(MDD), After LDG.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SJPF, OSSF, OSSF, ORDF, etc.

IDC 11 08:50:43.0-2.0, 3.97S:140.04E, mb3.7/2, mb1 4.0/5, mb1mx3.8/1.3, ML3.5/3, Error ellipse: s-maj=44.6km s-min=31.5km az=78.0, NEIC 11 08:50:47.1, 4.1, 4.0S:140.02E, h25km, mb3.9/2, Error ellipse: s-maj=19.9km s-min=18.2km az=161.0

ISC 11 08:50:50.2-0.4, 4.5E:0.1, 140.1E:0.1, h83km, 21km, n10, r122/14, mb3.2/1, Irian Jaya

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PMG, KAKA, WRAB, WBA, etc.

IDC 11 09:23:03.0-1.7, 0.21N:124.82E, mb3.7/4, mb1 3.8/5, mb1mx3.7/1.5, ML3.6/1, Error ellipse: s-maj=130.0km s-min=24.7km az=65.0, ISC 11 09:23:06.1-1.5, 0.1N:0.2, 124.5E:0.5, h33km, n5, c0540/5, mb3.7/4, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FITZ, WRA, ASAR, STKA, MKAR.

MOS 11 09:23:23.0-3.0, 9.46N:141.44E, h270km, mb3.6/2, Error ellipse: s-maj=34.7km s-min=13.3km az=82.6, JMA 11 09:23:24.0-4.0, 4.66N:141.49E, h276km, 2km, M3.5, NEIC 11 09:23:24.8-0.7, 4.63N:141.47E, h264km, 8km, mb3.5/2, Error ellipse: s-maj=14.3km s-min=8.1km az=117.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FITZ, WRA, ASAR, STKA, MKAR.

n45, c094/64, mb3.2/11, 2D, Hokkaido region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like YJG, JYJ, JSS, JRR, etc.

ISC 11 09:50:21.0, 34.55N:34.77E, h22km, MD3.6, GRAL 11 09:50:23.9-2.8, 34.50N:34.80E, h36km, 837km, MD3.4, NIC 11 09:50:24.8-0.4, 34.50N:34.77E, h25km, ML3.5, MW2.8, NEIC 11 09:50:24.8, 34.56N:34.77E, h29km, ML3.5(NIC), After NIC.

NSSC 11 09:50:25.9, 34.50N:35.18E, h38km, G11 11 09:50:26.0-0.4, 34.08N:34.85E, h5km, 23km, ML2.8/6, Mw2.9/4, ISC 11 09:50:22.1-0.4, 34.50N:0.02, 34.83E:0.03, h56km, 16km, n48, c101/75, 2C-12D, Cyprus region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PHNC, BHL, BHW, etc.

11d 12h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TCHB Talchebab, POPY Paphos, AKMC Akamas, etc.

JMA 11 09:59:25.1, 29.37N, 129.95E, h58km, 1km, M3.5

DC 11 09:59:25.5, 1.9, 29.22N, 130.06E, h52km, 18km, mb3.0/3,

m1 3.2/5, mb1mx3.1/22, ML3.0/2, Error ellipse:

s-maj=40.2km s-min=9.6km az=112.0

NEIC 11 09:59:25.8, -5.29, 129.130, 18E, h67km, 14km, mb3.9/1,

Error ellipse: s-maj=30.1km s-min=12.4km az=115.0

ISC 11 09:59:24.9, 0.4, 29.34N, 0.03, 129.93E, 0.09, h52km, 7km,

n16, c095/27, mb3.1/3, Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JNN Nakanoshima, JNU Nukatsu, JNSU Suzuyama, etc.

DC 11 10:14:26.4, 19.0, 26.61N, 45.45W, mb3.2/3, mb1 3.6/3,

mb1mx3.4/18, Error ellipse: s-maj=434.0km

s-min=117.2km az=154.0, Northern Mid-Atlantic Ridge

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

CASC 11 10:10:10.6, 2.3, 8.31N, 82.86W, h20km, 4km, MD4.1,

3C-5D, Panama-Costa Rica border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DVD David, PTP1 Petroterminal, BRU2 Volcan, etc.

MEX 11 11:00:41.7, 0.5, 15.43N, 95.89W, h9km, 4km, MD3.8, 1C,

Near coast of Oaxaca

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HUIG Huatulco, VHO Vista Hermosa, OMX Oaxaca, etc.

NEIC 11 11:08:50.6, 37.98S, 177.43E, h50km, ML4.0(WEL), After

WEL

WEL 11 11:08:50.7, 0.1, 37.99S, 177.43E, h51km, 1km, ML3.8/7,

3C-2D, Error ellipse: s-maj=0.9km s-min=0.9km az=0.0,

Off east coast of North Island

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

2004 APR

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

DC 11 11:22:53.1, 2.1, 12.65N, 88.33W, h40km, 118km, MD4.1,

ML3.7

DC 11 11:23:06.3, 10.0, 12.65N, 91.41W, mb3.0/3, mb1 3.5/3,

mb1mx3.4/15, Error ellipse: s-maj=285.0km

s-min=124.6km az=32.0

ISC 11 11:22:52.0, 4.0, 12.61N, 0.06, 88.34W, 0.04, h54km, 15km,

n37, c090/64, mb2.9/1, 15C-10D, Off coast of central

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like VSM San Miguel, VSM VSM, CNCH Conchagua, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LCR2 La Lucha 2, LCR2 LCR2, URSC Urasca, etc.

DC 11 11:33:21.3, 3.9, 6.73S, 139.60E, mb3.2/1, mb1 3.7/4,

mb1mx3.5/12, ML3.2/3, Error ellipse: s-maj=111.0km

s-min=35.6km az=97.0, Low Confidence Location

ISC 11 11:33:26.0, 2.9, 6.85, 0.2, 139.2E, 0.5, h33km, n4, c1936/4,

mb3.1/1, Irian Jaya

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

CASC 11 11:34:04.9, 2.6, 8.11N, 82.84W, h26km, 7km, MD3.8,

3C-2D, Panama-Costa Rica border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PTP1 Petroterminal, PTP1 PTP1, DVD David, etc.

DC 11 11:42:42.5, 2.5, 3.25S, 129.35E, mb3.3/2, mb1 3.5/3,

mb1mx3.4/14, ML2.8/1, Error ellipse: s-maj=182.0km

s-min=28.8km az=69.0, Seram

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, etc.

CASC 11 11:44:07.1, 1.9, 8.76N, 84.55W, h36km, 9km, MD4.0,

5C-3D, Off coast of Costa Rica

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LCR2 La Lucha 2, LAJ Bijagual, LAJ LAJ, etc.

DC 11 12:06:32.4, 1.0, 51.47N, 160.42E, h33km, mb4.0/4, Error

ellipse: s-maj=34.6km s-min=19.1km az=98.0

NEIC 11 12:06:37.4, 1.2, 51.86N, 160.35E, mb4.0/1, Error ellipse:

s-maj=28.2km s-min=12.4km az=187.0

KRSC 11 12:06:38.1, 1.3, 52.40N, 160.64E, h12km, 9km, ML4.1

DC 11 12:06:38.1, 1.7, 51.91N, 160.36E, h33km, 5km, mb3.2/9,

mb1 3.5/9, mb1mx3.4/20, ML3.8/1, Error ellipse:

s-maj=54.3km s-min=12.8km az=4.0

ISC 11 12:06:39.2, 0.7, 52.35N, 0.04, 160.79E, 0.05, h34km, 9km,

h31km, 1.9km, p-P, n49, c099/69, mb3.5/10, Off east

coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SPN Mys Shipunski, SPN SPN, NLC NLC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like KOZ Esso, KLY Kluychi, KBTR Krutoberegovo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like FX1 Attu Island-F, YKA Yellowknife Ar, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like NVAR Mina Array Bea, PDAR Pinedale Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like FINES FINESS Array B, NOA NORSTAR Array B, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like AS12 Alice Springs, MKAR Makanchi Array, etc.

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

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

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, etc.

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like YKA Yellowknife Ar, FINES FINESS Array B, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like HFS Hagfors, NOA NORSTAR Array B, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like BUI 11 13:03:38.9, etc.

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

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like NEIC 11 13:29:48.7, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like NEIC 11 13:29:48.7, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like GOU Gould Hall, PMS Palmer South, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like PWA Palmer West, CAHL Cahill, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like KOKA Kosik Island, PMR Palmer, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like PWL Port Wells, GHO Glory Hole Cre, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like CUT Chulitna, KNK Knik Glacier, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like HIN Hinchbrook I, JPK Jack Peak, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like KTH Kantishna Hill, TRF Thorofare Moun, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like THA Tolsona, DOY Denali Highway, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like MCK McKinley, SMRN Smeley River, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like BWN Browne, KAIM Kayak Island, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like PAX Paxson, GLB Gilahina Butte, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like NEA Nenana, DND Donnelly Dome, etc.





Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MTE, PVIS, ERTA, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FITZ, WARR, WRA, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JTK, JAM, JMK, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KAKA, FITZ, WRAB, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like OFUJ, JMK, JIO, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like EMZ, EZAM, ELOB, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like GRR, ECRI, FLN, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like URZ, STKA, ASAR, etc.

NIED 11 16:19:00,38.90N;141.70E,h74km,Mw4.3 Best double couple: M3.17x1015 NP1φs235°,δ80°,λ109° NP2: φs22°,λ122°

IDC 11 16:32:50.8,38.80N;141.73E,mb3.7/8,mb1 4.0/11,mb1mx3.8/24,ML3.6/3 Error ellipse: s-maj=31.2km s-min=18.3km az=103.0

JMA 11 16:19:41.2,38.95N;141.67E,h68km,1km,M3.8 Broadband fault plane solution: P waves. NP1φs58°,δ24°,λ124°. NP2φs201°,δ70°,λ76°. Principal axes: T P62°,Azm90°; N P13°,Azm206°; P P124°,Azm302°; JMA Felt J1.

NIED 11 16:19:43.5,1.6,38.87N;141.66E,h89km±16km,mb4.4/1 Error ellipse: s-maj=19.1km s-min=13.0km az=106.0

NEIC Reverted [1 JMA] In Wate and Miyagi Prefectures. ISC 11 16:19:49.5,5.38,82.21°E,141.76E,0.10,1h72km,4km, n7,φs94/35,mb3.7/9,8C-1D,Near east coast of eastern Honshu

IDC 11 17:08:22.0,22.33S;178.76W,mb3.8/3,mb1 4.1/4,mb1mx3.8/14,ML3.9/1 Error ellipse: s-maj=413.0km s-min=61.8km az=67.0 Low Confidence Depth, South of Fiji Islands

LDG 11 17:53.1,0.1,48.81N;7.14E,h4km,Md2.3,M2.0/8, Error ellipse: s-maj=1.2km s-min=0.8km az=161.0

NEIC 11 17:53.1,48.81N;7.14E,h4km,ML2.0(LDG),ML1.8(STR),After LDG.

BGR 11 17:53.4,0.3,48.82N;7.14E,h10km,ML1.2/2, Error ellipse: s-maj=3.3km s-min=2.2km az=71.0

ISC 11 17:52.0,0.4,48.80N;0.02;7.09E;0.04,h13km±4km,n23,φs84/47,France

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CDF, WLS, WLS, etc.





11d 18h

2004 APR

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

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

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MKAR, MKAR, MKAR, TOA, UBT, DIV, etc.







Table with columns for station name, frequency, power, and other technical details. Includes stations like COP, BAR, STKA, MUD, etc.

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

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



Table with columns for location, time, and status. Includes entries like Petit Puy Mans, Saorge, Aution, etc.

Table with columns for location, time, and status. Includes entries like EPF Esparros, VALF Vaicobollere, Gualf Gualf, etc.

Table with columns for location, time, and status. Includes entries like LIS Sierra Loja, ELOJ Sierra Loja, EROJ Agron, etc.





Table of station data for the 11D 21h section, including station names, coordinates, and various parameters.

Table of station data for the 2004 APR section, including station names, coordinates, and various parameters.

Table of station data for the Eastern New Guinea region, including station names, coordinates, and various parameters.



Error ellipse: s-maj=2.5km s-min=1.5km az=12.0
NEIC 11 21:19:25.6, 43.04N, 0.61W, h5km, ML2.1 (STR),
ML1.7(LDG), MN1.5(MDD), After STR.

MDD 11 21:19:26.0, 43.09N, 0.58W, h7km, 3km, mblg1.4/14,
Error ellipse: s-maj=3.1km s-min=1.3km az=11.0, PRXIMO
ISC 11 21:19:24.6, 0.4, 43.11N, 0.03, 0.57W, 0.02, h15km, 3km,

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ATE Arette, REYF Montagne du Re, ETSF Etsaut, etc.

s-min=151.0km az=76.0, Tonga Islands region

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

BUI 11 21:55:18.8, 40.25N, 76.95E, h20km, ML3.6

NINC 11 21:55:18.7, 1.9, 40.27N, 76.88E, mpv3.1, Error ellipse:
s-maj=13.4km s-min=13.1km az=140.0
ISC 11 21:55:19.3, 2.2, 39.9N, 0.1, 77.2E, 0.2, h20km, n15,

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KSH Kashi, ULHL Ulahol, KZA Kyzart, etc.

ISC 11 21:46:20.2, 26.0, 21.22S, 172.79W, mb4.2/4, mb1 4.3/4,
mb1mx3.8/16, Error ellipse: s-maj=490.0km

ISC 11 22:20:42.0, 1.5, 49.10N, 0.03, 1.66W, 0.03, h14km, 3km,
n19, c089/36, 5D, France

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like KSL, MANT, ELL, VAM, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes NEIC 11 22:26:34.1, 8.41Sx115.84E, h22km, ML3.6(DJA), After DJA, etc.

MOS 11 22:37:59.5 ± 1.2, 42.64N:145.12E, h53km, mb4.4/5, Error ellipse: s-maj=14.9km s-min=8.7km az=91.4

NIED 11 22:38:00, 42.80N:145.00E, h47km, Mw4.1 Best double couple. Mo:1.67x10^15 NP1:35°, 887°, 1.89° NP2:225°, 63°, 1.99°

JMA 11 22:38:01.2, 42.82N:145.02E, h47km, 1km, M4.4 JMA Feil J1

IDC 11 22:38:01.0 ± 0.7, 42.73N:145.15E, h44km, mb3.7/17, mb1 3.9/18, mb1mx3.8/24, ML4.2/1, MS3.3/6, Ms1 3.3/6, ms1mx3.0/27, Error ellipse: s-maj=14.9km s-min=8.5km az=26.0

NEIC 11 22:38:01.2 ± 0.4, 42.80N:145.01E, mb4.4/4, Error ellipse: s-maj=12.6km s-min=7.6km az=130.0

NEIC Recorded [1 JMA] in the Bekkai-Kushiro-Teshikaga area. SKHL 11 22:38:02.3, 42.43N:144.90E, h33km, mb4.9/2

ISC 11 22:37:59.8 ± 0.6, 42.74N:145.04E, h48km, 4km, h40km, 2.4km, p-P, n58, e107/73, mb4.0/21, MS3.4/3

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like JAK, NEM2, JNK, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like KUR, KUR, YSS, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like YKA, JOF, WRA, etc.

IDC 11 22:38:22.6 ± 2.1, 0.28, 03N-84.18E, mb4.1/3, mb1 3.9/4, mb1mx3.5/16, ML3.4/1, Error ellipse: s-maj=477.0km s-min=97.2km az=122.0, Nepal

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like MKAR, FINES, etc.

IDC 11 22:41:41.4 ± 1.4, 19.71N:123.16E, mb3.4/3, mb1 3.7/3, mb1mx3.4/18, 1C, Error ellipse: s-maj=7.2km s-min=28.2km az=67.0, Philippine Islands region

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like CVP, WRA, etc.

KRSC 11 22:48:21.8 ± 0.4, 54.71N-160.68E, h140km, 2km, ML3.9, Near east coast of Kamchatka Peninsula

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

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like SPN, SPN, ESO, etc.

IDC 11 23:06:30.3 ± 1.3, 22.10N:144.88E, mb3.4/6, mb1 3.6/6, mb1mx3.5/20, Error ellipse: s-maj=52.5km s-min=22.9km az=86.0

ISC 11 23:06:41.2 ± 1.2, 22.0N:0.1x144.7E, 0.4, h100km, n6, o54/6, mb3.3/6, Volcano Islands region

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like SONM, WRA, etc.

IDC 11 23:31:04.9 ± 1.0, 72.18N:1.08E, mb3.7/6, mb1 4.0/11, mb1mx3.8/23, ML3.5/5, MS3.2/5, Ms1 3.2/5, ms1mx3.0/22, Error ellipse: s-maj=26.3km s-min=13.8km az=56.0

NEIC 11 23:31:05.0 ± 0.5, 72.21N:1.23E, h10km, mb3.9/2, Error ellipse: s-maj=10.6km s-min=7.3km az=65.0

BER 11 23:31:06.2 ± 3.8, 72.51N:1.03E, ML2.4

ISC 11 23:31:04.7 ± 0.6, 72.21N:0.05E, 1.8E, 2.0, h10km, m29, e1920/28, mb3.7/8, MS3.5/2, Norwegian Sea

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like LOF, Lofoten, TRO, Tromso, etc.

ATH 12 00:00:08.4, 37.30N-20.48E, h18km, MD3.7/4, Ionian Sea

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like VLS, Valsamata, etc.

DJA 12 00:24:32.3 ± 1.0, 10.33S:116.76E, h87km, 20km, MD4.8/3, ML4.4/4, 3C-5D, Error ellipse: s-maj=24.1km s-min=21.8km az=78.0, South of Sumbawa

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like KEDI, Kedomdong, etc.

MOS 12 00:52:39.0 ± 1.1, 49.12N:156.74E, h47km, mb4.2/10, Error ellipse: s-maj=15.0km s-min=7.0km az=80.1

KRSC 12 00:52:40.3 ± 0.6, 49.14N:157.03E, h45km, 19km, ML4.6

NEIC 12 00:52:43.2 ± 0.5, 49.12N:156.47E, mb4.8/4, Error ellipse:



Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like YSS, ASAJ, MAJO, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like DMN, GKN, DANN, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MEX, PNI, CTA, etc.

261 EMIN EGRO El Granado 3.74 314 S Sn 03 47 59.9 -5.6

IDC 12 04:50:36.3, 2.5, 52.07N; 177.69E, h145km, 25km, mb3.4/8, mb1 3.6/9, mb1mx3.3/23, MS3.2/1, Ms1 3.2/1, ms1mx2.7/26, Error ellipse: s-maj=56.7km s-min=22.6km az=12.0

Code Station Name Az AZZ Phase ID Time Res h m s ISC SMY Shemya 2.19 287 Op P 03 51 17.1 +1.2

NIED 12 04:10:00.42, 90N, 145.10E, h44km, Mw3.7 Best double couple: M4.62x10^14 NP1:phi27, delta7, lambda75, NP2:phi242, delta2, lambda121

SKHL 12 04:10:50.0, 2.5, 42.90N; 145.00E, h33km, mb5.0/2, IDC 12 04:10:57.7, 1.4, 45.22N; 144.08E, mb3.7/8, mb1 3.8/8, mb1mx3.6/22, Error ellipse: s-maj=37.2km s-min=19.7km az=147.0

Code Station Name Az AZZ Phase ID Time Res h m s ISC JAK Akkeshi 0.32 293 Op P 04 10 58.9 -0.4

NEIC 12 04:25:31.9, 18.27N-65.79W, h142km, MD3.7(RSPR), After RSPR, RSPR 12 04:25:31.9, 18.27N-65.79W, h142km, 1km, M3.7, 14C-3D, Puerto Rico region

Code Station Name Az AZZ Phase ID Time Res h m s ISC CBYP Canovanas 0.06 273 Op P 04 25 50.2 -1.0

200 APR MGP Maguayo 1.26 258 Op P 04 25 57.7 -1.0

IDC 12 04:43:20.2, 0.9, 25.55N; 96.19E, mb3.8/8, mb1 3.9/9, mb1mx3.8/16, ML3.6/1, Error ellipse: s-maj=51.2km s-min=18.5km az=58.0

Code Station Name Az AZZ Phase ID Time Res h m s ISC IMP Imphal 1.83 252 Op P 04 44 03.0 +5.9

NIED 12 05:15:00.42, 80N, 145.10E, h38km, Mw4.8 Best double couple: M1.84x10^16 NP1:phi33, delta9, lambda85, NP2:phi228, delta2, lambda104

MOS 12 05:15:42.1, 0.9, 42.88N; 145.04E, h50km, mb5.1/45, Error ellipse: s-maj=8.6km s-min=4.9km az=101.7

HRVD 12 05:15:45.5, 0.5, 42.70N; 145.18E, h63km, 3km, MW4.9/52, Centroid moment Tensor Solution: LP body waves: s17, c20; Mantle waves: s52, c74; Half duration: 0 Moment tensor: Scale 10^16Nm; Mrr1, 31.17; Mss-0.24; 16;

Code Station Name Az AZZ Phase ID Time Res h m s ISC JAK Akkeshi 0.29 292 Op P 05 15 52.4 +0.4

NEIC 12 05:15:42.8, 0.4, 42.88N; 0.3, 145.06E, 0.03, h52km, 2km, h4km, 1.3km; p-P, n36e, 0.09/0.412, mb5.0/159, MS4.1/34, 90C-22D, Hokkaido region

Code Station Name Az AZZ Phase ID Time Res h m s ISC JAK Akkeshi 0.29 292 Op P 05 15 52.4 +0.4

JTKR ASAJ Asahikawa 2.17 305 eS S 05 16 25.1 +1.8

ASAJ Asahikawa 2.17 305 PN S 05 16 48.0 +5.1

Code Station Name Az AZZ Phase ID Time Res h m s ISC JTKR ASAJ Asahikawa 2.17 305 eS S 05 16 25.1 +1.8

NEIC 12 05:15:42.8, 0.4, 42.88N; 0.3, 145.06E, 0.03, h52km, 2km, h4km, 1.3km; p-P, n36e, 0.09/0.412, mb5.0/159, MS4.1/34, 90C-22D, Hokkaido region

Code Station Name Az AZZ Phase ID Time Res h m s ISC JTKR ASAJ Asahikawa 2.17 305 eS S 05 16 25.1 +1.8











Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like ATKA Atka Island, SMY Shemya, FX1 Attu Island-F, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like DHMR 12:10:12.45.8-1.3, HAJJ Hajjah, TRBA At Turbah, etc.

IDC 12:10:12.46.3-1.3, 3.61S:140.22E, mb4.0/4, mb1 4.3/7, mb1mx4.0/14, ML3.7/3, MS3.3/3, Ms1 3.3/3, ms1mx2.9/21, Error ellipse: s-maj=37.5km s-min=24.6km az=86.0

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like HAJJ Hajjah, TRBA At Turbah, LBO5, etc.

IDC 12:10:12.46.3-1.3, 3.61S:140.22E, mb4.0/4, mb1 4.3/7, mb1mx4.0/14, ML3.7/3, MS3.3/3, Ms1 3.3/3, ms1mx2.9/21, Error ellipse: s-maj=37.5km s-min=24.6km az=86.0

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like KMB0 Kilima Mbogo, ASAR Alice Springs, WRA Warramunga Arr, etc.

IDC 12:10:58:31.0-1.1, 45.39N:150.16E, h54km, mb4.2/11, Error ellipse: s-maj=14.2km s-min=11.5km az=67.3

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like n64, c075/62, mb4.0/21, 8C-2D, Kuril Islands, KUR Kuril'sk, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like KAK Kakan, DMN Daming, DANN Dangsing, etc.

IDC 12:10:58:31.0-1.1, 45.39N:150.16E, h54km, mb4.2/11, Error ellipse: s-maj=14.2km s-min=11.5km az=67.3

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like KMB0 Kilima Mbogo, ASAR Alice Springs, WRA Warramunga Arr, etc.

IDC 12:10:58:31.0-1.1, 45.39N:150.16E, h54km, mb4.2/11, Error ellipse: s-maj=14.2km s-min=11.5km az=67.3

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like GERES Grafenberg Arr, TXAR Lajitas Array, BDFB Brasilia, etc.

MOS 12:11:00:09.9-1.0, 8.97N:125.91E, h33km, mb5.2/12, Error ellipse: s-maj=26.7km s-min=10.7km az=110.8

MAN 12:11:00:10.5, 8.71N:126.11E, h13km, mb4.9, ML3.9, MS3.9, Error ellipse: s-maj=19.3km s-min=8.7km

HRVD 12:11:00:16.7, 1.3, 8.67N:126.20E, h91km, mb5.1/22, Error ellipse: s-maj=9.6km s-min=4.9km az=73.0

NEIC 12:11:00:16.7, 1.3, 8.67N:126.20E, h91km, mb5.1/22, Error ellipse: s-maj=9.6km s-min=4.9km az=73.0

NEIC Felt (II PIVS) at Butuan, ISC 12:11:00:17.0, 5.82N:102.03E, h51km, mb4.4, h66km, 2.4km, p-P, n202, r123/217, mb4.9/81, MS4.2/29, 21C-5D, Mindanao

NEIC 12:11:00:16.7, 1.3, 8.67N:126.20E, h91km, mb5.1/22, Error ellipse: s-maj=9.6km s-min=4.9km az=73.0

NEIC Felt (II PIVS) at Butuan, ISC 12:11:00:17.0, 5.82N:102.03E, h51km, mb4.4, h66km, 2.4km, p-P, n202, r123/217, mb4.9/81, MS4.2/29, 21C-5D, Mindanao

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like BIPH Bislig, BUTP Butuan, SCPH Surigao, etc.

IDC 12:10:58:31.0-1.1, 45.39N:150.16E, h54km, mb4.2/11, Error ellipse: s-maj=14.2km s-min=11.5km az=67.3

IDC 12:10:58:31.0-1.1, 45.39N:150.16E, h54km, mb4.2/11, Error ellipse: s-maj=14.2km s-min=11.5km az=67.3

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

IDC 12:10:58:31.0-1.1, 45.39N:150.16E, h54km, mb4.2/11, Error ellipse: s-maj=14.2km s-min=11.5km az=67.3











12d 19h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WMQ Urumqi, CMAR Chiang Mai Arr, BVAR Borovoye Array, etc.

12d 15:10:23.8: 1.7, 1.78N:127.72E, mb3.6/4, mb1 3.8/5, mb1mx3.6/15, ML3.6/1, Error ellipse: s-maj=98.1km

12d 15:10:26.5: 1.1, 1.8N:0.3:127.7E:0.6, h33km, n5, o16/15, mb3.5/4, Halmahera

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

JMA 12 15:48:19.6: 0.4, 24.32N:122.66E, h14km, M1.9

TAP 12 15:48:20.9: 24.59N:122.51E, h0km, ML2.6

12d 15:48:17.6: 3.1, 24.6N:0.6:122.6E:0.3, h14km, n4, o49/6, Taiwan region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like YOJ Yonaguni jima, YOJ Yonaguni jima, IRIF Iriomote-Funau, etc.

12d 16:52:03.7: 1.6, 21.61N:143.10E, h307km, 15km, mb3.4/18, mb1 3.6/20, mb1mx3.6/26, Error ellipse: s-maj=14.8km s-min=9.3km az=91.0

NEIC 12 16:52:06.7: 1.2, 21.62N:143.05E, h339km, 13km, mb3.7/2, Error ellipse: s-maj=15.6km s-min=9.6km az=80.0

12d 16:52:03.4: 1.2, 21.61N:0.07:143.1E:0.1, h319km, n3, o674/30, mb3.6/21, Mariana Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CBIJ Chichi jima, GUMU Guam, JHJ Hachijo jima, etc.

12d 16:54:33.5: 3.4, 34.0N:0.1:135.3E:0.3, h55km, 21km, n3, o57/6, 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 ARCES ARCES Array B, JOF Joensuu, KAF Kangaroo Creek, etc.

JMA 12 16:54:34.3: 33.95N:135.36E, h52km, 1km

12d 16:54:33.5: 3.4, 34.0N:0.1:135.3E:0.3, h55km, 21km, n3, o57/6, 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 ARCES ARCES Array B, JOF Joensuu, KAF Kangaroo Creek, etc.

2004 APR

Table with columns: JWM Minabe, JWM Kozaga, JMW Matsushiro, JAT MAT. Includes values like 0.11 171 P, 0.53 143 P, 3.49 42 eS, 16.54 42.3 +0.4, etc.

12d 17:30:03.0: 0.6, 1.7, 3.7S:126.90E, h312km, 69km, mb2.8/4, mb1 3.2/7, mb1mx3.2/14, Error ellipse: s-maj=65.5km

12d 17:29:55.9: 3.4, 7.0S:0.1:127.2E:0.2, h249km, 58km, n10, o19/12, mb3.1/4, 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, etc.

NEIC 12 17:36:58.2: 5.8, 5.8S:147.19E, h148km, 14km, Error ellipse: s-maj=78.0km s-min=31.0km az=207.0

12d 17:36:58.9: 1.9, 5.6S:147.15E, h149km, 24km, mb3.4/4, mb1 3.6/6, mb1mx3.3/15, Error ellipse: s-maj=55.9km

12d 17:36:58.2: 0.2, 5.7S:0.0:147.2E:0.3, h160km, 16km, n11, o5/2, mb3.6/4, Eastern New Guinea region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WAU Wau, PMG Port Moresby, WRAB Tennant Creek, etc.

MEX 12 17:41:02.6: 0.4, 17.85N:97.54W, h70km, 7km, MD3.5, Oaxaca

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like OXX Oaxaca, OXX Oaxaca, ISIM Ciudad Serdan, etc.

HEL 12 18:18:15.7: 0.4, 67.78N:19.89E, ML1.9, ML1.8(BER), Explosion

BER 12 18:18:17.0: 0.3, 67.80N:20.23E, ML1.8, Suspected explosion

12d 18:18:12.7: 0.6, 67.76N:0.04:19.7E:0.1, n12, o16/16/17, Sweden

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KIF Kilpisjarvi, KTK1 Kautokeino, TRO Tromso, etc.

12d 18:26:17.4: 2.0, 2.62S:128.38E, mb3.1/2, mb1 3.5/3, mb1mx3.1/4, ML3.5/1, Error ellipse: s-maj=143.0km

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, MKAR Makanchi Array, etc.

12d 18:59:29.0: 9.4, 22.14S:174.83W, mb3.7/4, mb1 3.9/4, mb1mx3.7/15, Error ellipse: s-maj=218.0km

12d 18:59:29.0: 9.4, 22.14S:174.83W, mb3.7/4, mb1 3.9/4, mb1mx3.7/15, Error ellipse: s-maj=218.0km

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

LDG 12 19:14:16.1: 0.1, 48.34N:6.62E, h10km, Md2.9/4, Ml2.8/19,

270

Error ellipse: s-maj=1.0km s-min=0.8km az=156.0

NEIC 12 19:14:16.1: 48.34N:6.62E, h10km, ML2.8(LDG), ML2.6(STR), ML2.1(SZGRF), After LDG

BGR 12 19:14:18.5: 0.6, 48.45N:6.77E, h10km, ML2.3/4, Error ellipse: s-maj=8.9km s-min=4.4km az=27.0

12d 19:14:13.2: 0.2, 48.32N:0.01:6.57E:0.02, h10km, n50, o15/3/1/10, France

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HAU Haudompre, THEF They Montfort, ECH Echery, etc.

12d 19:21:59.1: 1.2, 30.01N:142.34E, mb3.4/5, mb1 3.6/5, mb1mx3.5/19, Error ellipse: s-maj=45.1km s-min=24.0km

12d 19:22:02.0: 1.2, 30.00N:0.2:142.3E:0.3, h33km, n5, o5/2/5, mb3.4/5, Southeast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SONM Songoing Array, PRU Prunhonic, SGMF Saint Gilles, etc.



Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like PAIG, IZM, KDAG, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like HAOS, Haql, LJU, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like LOR, Lormes, MEZF, etc.













SSE	Sheshan	70.62 317	P	P	04 03 18.6 +2.6
SSE			S	SS	04 12 13.8 +5.1
SSE			SS	SS	04 07 30.4 +4.1
SSE	comp=Z,20nm,0.7s,mb5.2		AMB	AMB	
SSE	comp=Z,159nm,9.5s		AMB	AMB	
SSE	comp=N,229nm,33.9s,MS4.5		LR	LR	
SSE	comp=E,347nm,34.1s,MS4.5		LR	LR	
ASAJ	Asahikawa	70.69 340	P	P	04 03 17.0 +0.8
ASAJ	comp=E,284nm,1.4s,mb5.0,baz=216,slow=8.7,SNR=7.7		P	P	04 03 21.1 +0.2
KIZ	Wonju Array Si	71.33 326	P	P	04 03 21.1 +0.2
QI15	Qiongzong	71.46 300	P	P	04 12 44.6 +7.9
QI2			S	S	
QI2	comp=N,235nm,15.9s,MS4.6		LR	LR	
QI2	comp=E,158nm,19.2s,MS4.6		LR	LR	
QI2	comp=Z,365nm,21.3s,MS4.6		LR	LR	
INCN	Inchon	72.01 325	P	P	04 03 25.3 +1.0
INCN	comp=Z,83nm,1.4s,mb5.5		LR	LR	
INCN	comp=Z,392nm,20.0s,MS4.7		LR	LR	
NJ2	Nanjing	72.73 316	eP	P	04 03 30.9 +0.1
NJ2			S	S	04 12 57.0 +5.9
NJ2			SKS	SKS	04 13 29.0 -6.1
NJ2	comp=Z,30nm,0.7s,mb5.3		AMB	AMB	
NJ2	comp=N,670nm,15.5s,MS5.1		LR	LR	
NJ2	comp=E,420nm,13.1s,MS5.1		LR	LR	
YSS	Yuzh-Sakhalins	73.19 341	eP	P	04 03 30.9 -0.1
YSS			e	S	04 03 45.9 +3.1
YSS			eS	SS	04 17 45.0 +5.0
YSS	comp=N,50nm,1.0s		pmax	pmax	
YSS	comp=Z,90nm,1.0s,mb5.7		pmax	pmax	
YSS	comp=N,500nm,13.0s		smax	smax	
YSS	comp=E,300nm,11.0s		smax	smax	
YSS	comp=Z,400nm,17.0s,MS4.8		MLR	MLR	
YSS	comp=N,400nm,19.0s,MS4.9		MLR	MLR	
YSS	comp=E,400nm,18.0s,MS4.9		MLR	MLR	
YSS	Yuzh-Sakhalins	73.19 341	eP	P	04 03 31.2 +0.2
YSS			LR	LR	
WHN	Wuhan	74.74 313	eP	P	04 03 40.5 +0.2
SMY	Shemya	74.93 3	PFAKE	LR	04 03 50.0 +9.0
SMY			LR	LR	
FX1	Attu Island-F	75.05 2	P	P	04 03 42.1 +0.5
FX1	comp=Z,53nm,0.5s,mb5.7,baz=272,slow=4.5,SNR=22		P	P	
MAW	Attu Island-F	75.05 2	eP	P	04 03 42.0 +0.4
MAW	75.63 202	LR	LR	LR	04 03 48.2
MAW	comp=Z,472nm,18.1s,MS4.8,baz=314,slow=33		P	P	
PET	Petropavlovsk	75.73 353	eP	P	04 03 46.1 +0.6
PET			eS	S	04 14 00.2
PET			eS	S	04 13 28.0 +4.0
PET			ePS	PS	04 14 05.7 +1.0
PET			ePPS	PPS	04 14 20.2 -0.3
PET	comp=Z,38nm,0.9s,mb5.3		pmax	pmax	
PET	comp=Z,262nm,10.2s		pmax	pmax	
PET	comp=Z,34nm,1.1s,mb5.2		pmax	pmax	
PET	comp=Z,154nm,13.7s		pmax	pmax	
PET	comp=E,205nm,11.0s		smax	smax	
PET	comp=N,460nm,12.8s		smax	smax	
PET	Petropavlovsk	75.73 353	eP	P	04 03 44.9 -0.6
PET			LR	LR	
DL2	Dalian	75.75 323	P	P	04 03 46.4 +0.4
DL2	comp=Z,703nm,20.0s,MS5.0		AMB	AMB	
DL2	comp=Z,30nm,1.4s,mb5.0		AMB	AMB	
DL2	comp=Z,160nm,5.4s		LR	LR	
DL2	comp=N,260nm,20.0s,MS4.6		LR	LR	
DL2	comp=E,160nm,18.7s,MS4.6		LR	LR	
KKTK	Khon Kaen	75.86 295	eP	P	04 03 48.0 +1.0
KKTK	comp=Z,34nm,1.0s,mb5.3		P	P	
MDJ	Mudanjiang	76.07 332	P	P	04 03 48.0 +0.3
MDJ			AP	pP	04 03 56.1 0.0
MDJ			PCP	PP	04 03 59.8 -0.3
MDJ			PP	PP	04 06 40.1 -0.1
MDJ			S	S	04 13 32.5 +4.5
MDJ			SCS	SS	04 14 00.3 +3.2
MDJ			SS	SS	04 18 29.3 +5.0
MDJ	comp=Z,113nm,4.6s		AMB	AMB	
MDJ	comp=N,182nm,21.9s,MS4.7		LR	LR	
MDJ	comp=E,324nm,18.8s,MS4.7		LR	LR	
MDJ	comp=Z,483nm,19.4s,MS4.8		LR	LR	
MDJ	Mudanjiang	76.07 332	eP	P	04 03 48.4 +0.8
MDJ	comp=Z,24nm,1.0s,mb5.1		LR	LR	
MDJ	comp=Z,512nm,20.0s,MS4.8		LR	LR	
NNT	Nonplab	76.78 290	P	P	04 03 54.0 +1.8
CN2	Changchun	77.34 329	eP	P	04 03 54.8 +0.1
CN2			AMB	AMB	
GYA	Guiyang	77.92 305	P	P	04 03 58.0 -0.3
GYA	comp=Z,30nm,1.4s,mb5.0		AMB	AMB	
ENH	Enshi	77.96 310	eP	P	04 03 57.9 -0.5
ENH	comp=Z,10.0nm,0.8s,mb4.8		LR	LR	
ENH	comp=Z,58nm,1.1s,mb5.4		LR	LR	
UNV	Unalaska Valle	78.71 14	eP	P	04 04 02.1 +0.1
UNV	comp=Z,570nm,21.0s,MS4.9		P	P	
NANT	Nan	78.81 296	eP	P	04 04 04.0 +0.7
NANT	comp=Z,56nm,1.0s,mb5.5		P	P	
KLR	Kul'dur	78.90 336	eP	P	04 04 03.2 0.0
KLR			eS	S	04 14 07.0 +8.6
KLR			eSS	SS	04 19 06.5 -0.1
BDT	Bhaijutam	79.52 294	eP	P	04 04 08.0 +0.9
BJT	Bhaijutam	79.61 321	eP	P	04 04 07.9 +0.7
BJT	comp=Z,23nm,0.8s,mb5.0		LR	LR	
BJI	Beijing	79.62 321	P	P	04 04 07.4 +0.1
BJI			S	S	04 14 11.8 +5.6
BJI	comp=Z,27nm,0.9s,mb5.2		AMB	AMB	
BJI	comp=N,407nm,18.0s,MS5.0		LR	LR	
BJI	comp=E,467nm,18.0s,MS5.0		LR	LR	
BJI	comp=Z,401nm,19.9s,MS4.8		LR	LR	
CHRT	Chiangrai	80.08 296	eP	P	04 04 11.0 +0.9
CHRT	comp=Z,145nm,0.9s,mb5.9		P	P	
CM31	Chiang Mai Arr	80.12 295	eP	P	04 04 11.9 +1.5
CM31	comp=Z,33nm,0.9s,mb5.0		LR	LR	
CM31	comp=Z,509nm,20.0s,MS4.9		LR	LR	
CMAR	Chiang Mai Arr	80.12 295	P	P	04 04 11.3 +0.9
CMAR	comp=Z,21nm,1.1s,mb5.0,baz=194,slow=4.1,SNR=87		P	P	
CMAR	comp=Z,21nm,0.7s,baz=134,slow=4.2,SNR=23		pP	pP	04 22 53.7
CMAR	comp=Z,0.9nm,0.9s,baz=284,slow=3.6,SNR=5.5		PKKPbc	PKKPbc	
CMAR	comp=Z,1.2nm,0.7s,baz=300,slow=4.0,SNR=6.8		x	x	04 23 10.8
CMAR	comp=Z,188nm,19.5s,MS4.4,baz=120,slow=35		LR	LR	04 39 24.8
CMAR	Chiang Mai Arr	80.12 295	P	P	04 04 11.3 +0.9

CMAR	Kunming	80.25 302	eP	pP	04 04 23.1 +4.2
CMAR			PKKPbc	PKKPbc	04 22 53.7
CMAR			LR	LR	04 39 24.8
CMAR			LR	LR	04 04 12.6 +1.7
CMAR			AP	pP	04 04 20.3 +0.9
CMAR			XP	sP	04 04 24.3 +2.0
CMAR			PP	PP	04 07 14.9 -0.4
CMAR			SKS	SKS	04 14 15.8 +2.8
CMAR			XS	SS	04 14 22.9 -6.9
CMAR			SS	SS	04 14 26.4
CMAR			SS	SS	04 19 26.8 -0.5
CMAR	comp=Z,32nm,1.5s,mb5.0		AMB	AMB	
CMAR	comp=Z,271nm,6.9s		LR	LR	
CMAR	comp=N,264nm,16.2s,MS4.9		LR	LR	
CMAR	comp=E,360nm,19.0s,MS4.9		LR	LR	
CMAR	comp=Z,359nm,23.3s,MS4.7		LR	LR	
CHG	Chiang Mai	80.29 295	eP	P	04 04 12.2 +1.0
CHG	comp=Z,26nm,1.1s,mb5.1		P	P	
SYO	Syowa Base	81.99 196	eP	pP	04 04 17.6 -1.5
SYO			eP	pP	04 04 22.2 -5.4
SYO	Syowa Base	81.99 196	eP	pP	04 04 17.8 -1.5
SYO			eP	pP	04 04 22.3 -5.4
MA2	Magadan	81.35 350	eP	pP	04 04 29.4 +4.0
MA2			ePS	PS	04 15 48.2 +1.0
MA2			eSS	SS	04 20 12.1 +2.1
MA2	comp=Z,800nm,14.0s		pmax	pmax	
MA2	comp=Z,400nm,21.0s,MS4.8		MLR	MLR	
MA2	Magadan	83.15 350	PFAKE	LR	04 04 40.0 +15
MA2	comp=Z,778nm,21.0s,MS5.1		LR	LR	
HIA	Hailar	84.02 330	PFAKE	LR	04 04 40.0 +10
HIA			LR	LR	
LZH	Lanzhou	85.11 312	eP	P	04 04 37.1 +1.4
LZH	comp=Z,425nm,21.0s,MS4.8		AP	pP	04 04 45.6 +1.3
LZH			XP	sP	04 04 50.1 +3.0
LZH	comp=Z,93nm,1.3s,mb5.8		AMB	AMB	
LZH	comp=N,319nm,13.1s		LR	LR	
LZH	comp=Z,392nm,17.3s,MS4.9		LR	LR	
KDAK	Kodiak Island	85.91 19	eP	P	04 04 39.5 +0.2
KDAK	comp=Z,37nm,1.2s,mb5.5		e	LR	04 04 53.4
KDAK			e	LR	04 04 53.4
SNA	Sanae	86.01 182	e	P	04 04 39.8 +0.4
SNA			e	P	04 04 49.5 +1.0
SNA	Sanae	86.01 182	e	S	04 15 14.3 +4.3
SNA			eS	S	04 04 37.7 -1.7
SNA			e	LR	04 04 39.8
SNA			e	LR	04 04 49.5
SNA			e	LR	04 07 56.4
SNA			eS	S	04 15 14.3 +4.3
SNA	Seymchan	86.15 352	eP	P	04 04 40.6 +0.3
SEY			eS	S	04 15 06.3
SEY	comp=N,2um,13.3s		smax	smax	04 15 11.8 +0.3
SEY			smax	smax	
SEY	comp=E,390nm,22.1s		e	P	04 04 43.8 +1.5
VNA3	Neumayer Olymp	86.59 180	e	P	04 04 53.1 +1.1
VNA3			e	P	04 15 17.7 +2.2
VNA3	Neumayer Olymp	86.59 180	eS	P	04 04 41.7 -0.6
VNA3			e	P	04 04 43.8
VNA3			e	P	04 04 53.1
VNA3			e	P	04 08 01.5
VNA3			eS	S	04 15 17.7 +2.2
VNA2	Neumayer-Watz	86.88 181	e	P	04 04 45.4 +1.7
VNA2			e	P	04 04 54.0 +1.0
VNA2	Neumayer-Watz	86.88 181	eS	P	04 15 19.2 +0.8
VNA2			e	P	04 04 43.1 -0.6
VNA2			e	LR	04 04 45.4
VNA2			eS	S	04 04 54.0
VNA2			eS	S	04 08 03.5
VNA2			eS	S	04 15 19.2 +0.8
VNA1	Neumayer-Stat	87.17 181	e	P	04 04 46.6 +1.5
VNA1			e	P	04 04 56.2 +1.1
VNA1	Neumayer-Stat	87.17 181	eS	P	04 15 20.2 -0.9
VNA1			e	P	04 04 44.4 -0.7
VNA1			e	P	04 04 46.6
VNA1			eS	S	04 08 05.2
VNA1			eS	S	04 15 20.2 -0.9
VNA1	San Andreas Ge	87.66 49	PFAKE	LR	04 05 00.0 +12
VNA1			PFAKE	LR	
SAO			PFAKE	LR	
SAO			PFAKE	LR	
HOPS	Hopland	87.69 46	PFAKE	LR	04 05 00.0 +12
HOPS			LR	LR	
RSO	Redoubt South	88.07 18	eP	P	04 04 51.1 +1.4
RSO	comp=Z,944nm,19.0s,MS5.2		LR	LR	
USAH	Ushuaia	88.51 151	LR	LR	04 34 49.1
USAH	comp=Z,676nm,19.5s,MS5.1,baz=205,slow=29		P	P	
MWC	Mount Wilson	89.34 52	eP	P	04 04 54.3 +0.3
WDC	Whiskeytown Da	88.86 45	PFAKE	LR	04 05 00.0 +6.1
WDC			LR	LR	
CMB	Columbia Colle	89.02 48	eP	P	04 04 54.7 -0.1
CMB	comp=Z,781nm,20.0s,MS5.1		LR	LR	
CMB	comp=Z,19nm,1.1s,mb5.3		LR	LR	
CMB	comp=Z,875nm,20.0s,MS5.2		P	P	
YBH	Yreka Blue Hor	89.34 44	P	P	04 04 56.4 +0.2
YBH	comp=Z,6nm,0.6s,mb5.0,baz=147,slow=4.2,SNR=12		P	P	
YBH	Yreka Blue Hor	89.34 44	eP	P	04 04 56.8 +0.7
YBH	comp=Z,27nm,1.4s,mb5.4		LR	LR	
TNA	Tin City	89.38 9	PFAKE	LR	04 05 10.0 +14
TNA			LR	LR	
FIB	Fire Island	89.38 18	PFAKE	LR	04 05 10.0 +14
FIB			LR	LR	
GTA	Gaotai	89.55 313	eP	P	04 04 58.3 +1.1
GTA			AP	pP	04 05 07.1 +1.3
GTA			XP	sP	04 05 10.5 +1.9
GTA			AMB	AMB	
GTA	comp=Z,12nm,1.1s,mb5.1		AMB	AMB	
GTA	comp=Z,135nm,5.7s		LR	LR	
GTA	comp=N,171				

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like YKA, WMOK, MKAR, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like OBN, KAF, FINES, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MOX, SKO, BDL, etc.













SRU			e	pP	11 37 03.0 +0.2
KLR	Kul'dur	80.60 327	eP	P	11 36 37.2 +0.3
JLU	Jordanelle	80.61 43	eP	P	11 36 37.5 +0.2
DAU	Daniels Canyon	80.65 43	eP	pP	11 36 38.2 +0.8
DAU			e	P	11 37 04.4 +0.9
TOA	Tolsona	80.70 13	eP	P	11 36 37.2 0.0
LENM	Lemitar	80.73 51	eP	P	11 36 38.6 +0.6
MCUT	Cornudas Mount	80.88 53	eP	P	11 36 38.5 +0.3
TXCT	comp=Z,2.8nm,1.3s,mb3.9				
TCUT	Toone Canyon	80.90 43	eP	P	11 36 39.0 +0.3
TCUT			e	pP	11 37 04.5 +0.3
BNM	Barren Site	80.98 51	eP	P	11 36 39.5 +0.2
HWUT	Hardware Ranch	81.04 42	eP	P	11 36 38.8 +0.6
SEY	comp=Z,4.9nm,1.0s,mb4.3				
CN2	Changchun	81.09 320	eS	S	11 46 37.9 -1.5
CN2			AMB	AMB	
CN2	comp=Z,30nm,1.1s,mb5.0				
CN2	comp=Z,200nm,3.0s		LR	LR	
CN2	comp=N,300nm,20.0s		LR	LR	
CN2	comp=E,300nm,20.0s		LR	LR	
CN2	comp=Z,300nm,21.0s		LR	LR	
PV10	Paradox Valley	81.16 46	eP	P	11 36 40.2 0.0
LTX	Lajitas	81.26 56	eP	P	11 36 41.1 +0.3
LTX	Lajitas	81.26 56	eP	P	11 36 41.0 +0.2
TXAR	comp=Z,12nm,0.9s,mb4.7,baz=220,slow=6.0,SNR=96				
TXAR			LR	LR	12 04 33.1
TNA	Tin City	81.27 3	eP	P	11 36 40.3 +0.2
PV01	Paradox Valley	81.38 46	eP	P	11 36 41.5 +0.3
ANMO	Albuquerque	81.46 50	eP	P	11 36 41.5 -0.3
ANMO	Albuquerque	81.46 50	eP	P	11 36 42.0 +0.2
GD2L	Guadalupe Mtn	81.88 53	eP	P	11 36 44.4 +0.4
MCMT	McKenzie Canyon	81.90 39	eP	P	11 36 44.6 +0.8
CLNB	Carlsbad	82.28 53	eP	P	11 36 45.9 -0.1
DLBC	Dease Lake	82.28 22	eP	P	11 36 45.9 +0.4
DLBC	comp=Z,0.9nm,0.9s,mb4.2,baz=225,slow=8.8,SNR=7.1				
DLBC	Dease Lake	82.28 22	eP	P	11 36 45.9 +0.4
REDW	Red Top Meadow	82.38 41	eP	P	11 36 45.9 +0.4
REDW			e	pP	11 37 14.1 +1.5
CPXK	Cap Rock	82.60 53	eP	pP	11 36 47.4 -0.3
CPXK			e	pP	11 37 14.3 +0.3
CHMT	Chamberlain Mo	82.76 37	eP	P	11 36 47.4 -0.9
CHMT			e	pP	11 37 12.6 -1.9
QLMT	Earthquake Lak	82.76 40	eP	P	11 36 49.4 +1.1
SEY	Seymchan	82.80 345	eP	pP	11 36 48.9 +0.9
SEY			e	pP	11 37 14.3 +0.5
SEY			e	pmax	11 46 52.1
SEY	comp=N,70nm,1.1s			pmax	
SEY	comp=E,40nm,1.1s			pmax	
SEY	comp=Z,200nm,1.1s,mb5.9			pmax	
COLA	College	82.87 11	eP	P	11 36 47.5 -0.9
COLA			i	pP	11 37 14.0 -0.7
COLA			e	pP	11 37 14.3 +0.3
COLA	College	82.87 11	eP	P	11 36 47.8 -0.6
PDAR	Pinedale Array	82.91 42	eP	P	11 36 48.7 -0.4
PDAR	comp=Z,4.7nm,0.9s,mb4.3,baz=216,slow=2.5,SNR=36				
PDAR			e	pP	11 37 14.6 -0.7
ILAR	Eielson Array	82.96 11	eP	P	11 36 48.0 -0.8
ILAR	comp=Z,1.4nm,1.0s,mb4.8,baz=217,slow=6.1,SNR=63				
ILAR			e	pP	11 37 14.5 -0.6
ILAR	comp=Z,5.8nm,0.9s,baz=225,slow=5.5,SNR=3.9				
ILAR			e	pP	11 39 56.6 -6.3
ILAR	comp=Z,2.5nm,1.1s,baz=225,slow=7.0,SNR=5.1				
ILAR			e	pP	12 05 31.4
IMA	Indian Mountain	83.05 8	eP	P	11 36 49.9 +0.6
BOZ	Bozeman (W)	83.06 39	eP	P	11 36 49.7 0.0
BOZ	comp=Z,5.3nm,0.9s,mb4.4				
BOZ	Lake	83.27 40	eP	P	11 37 14.7 -1.3
LKWY	Lake	83.27 40	eP	P	11 36 53.0 +2.2
LKWY			e	pP	11 37 19.0 +1.9
SDCO	Great Sand Dun	83.37 48	eP	P	11 36 51.1 -0.4
SDCO	comp=Z,11nm,1.1s,mb4.6				
SDCO			e	pP	11 37 15.5 -2.3
HRY	Holter Researc	83.49 38	eP	P	11 36 52.0 +0.2
DAWY	Dawson	83.95 15	eP	pP	11 37 20.6 +0.4
ISCO	Idaho Springs	84.18 46	eP	P	11 36 56.0 +0.4
JCT	Junction City	84.80 56	eP	P	11 36 58.5 -0.3
JCT	comp=Z,9.7nm,0.7s,mb4.8				
BILL	Bilbino	84.86 353	eP	pP	11 36 58.2 0.0
BILL			i	pP	11 37 24.8 +0.2
BILL			i	pP	11 47 15.7
BILL			i	pmax	
BILL	comp=Z,43nm,1.2s,mb5.2			pmax	
BILL	Bilbino	84.86 353	eP	P	11 36 58.3 +0.1
BILL	comp=Z,57nm,1.3s,mb5.3				
BILL			e	pP	11 37 23.9 -0.8
BILL			e	pP	11 37 02.8 +1.2
BJI	Baijiatuu	85.39 314	eP	P	11 37 02.8 +1.2
BJI	comp=Z,37nm,1.2s,mb5.2				
BJI	Beijing	85.40 314	eP	P	11 37 02.8 +1.2
BJI			e	pP	11 47 17.8 +3.8
BJI			S	PS	11 47 29.4 +6.9
BJI			S	PS	11 48 28.6 -5.5
BJI			AMB	AMB	
BJI	comp=Z,27nm,1.3s,mb5.0				
USHA	Ushuaia	85.85 146	eP	P	11 37 04.2 +0.8
USHA	comp=Z,16nm,0.8s,mb5.0,baz=264,slow=6.8,SNR=8.0				
USHA			LR	LR	12 04 29.3
ENH	Enshi	86.72 303	eP	P	11 37 09.2 +1.0
ENH	comp=Z,16nm,0.8s,mb5.0				
RSSD	Black Hills	87.11 43	eP	P	11 37 09.4 -0.5
RSSD	comp=Z,3.4nm,0.8s,mb4.3				
HIA	Hailar	87.33 323	eP	P	11 37 11.0 +0.8
HIA	comp=Z,33nm,1.4s,mb5.1				
MAW	Maxson	87.83 193	LR	LR	12 12 25.6
MAW	comp=Z,130nm,21.7s,baz=225,slow=53				
GYA	Guiyang	87.80 298	iP	P	11 37 15.0 +1.4
GYA			e	pP	11 40 46.8 +4.2
GYA			AMB	AMB	
GYA	comp=Z,20nm,1.0s,mb5.1				
HKT	Hockley	87.83 58	eP	P	11 37 14.1 +0.5
HKT	comp=Z,11nm,1.0s,mb4.8				
CLNS	Chul'man	88.36 331	eP	P	11 37 14.5 -1.0
CLNS	comp=Z,20nm,1.0s,mb5.1				
CLNS	comp=N,8.0nm,1.1s			pmax	
CLNS	comp=E,7.0nm,1.0s			pmax	
XAN	Xi'an	88.47 306	P	P	11 37 17.6 +1.0
XAN			AMB	AMB	
INK	Inuvik	88.80 14	eP	P	11 37 17.2 -0.1
INK	comp=Z,7.6nm,1.0s,mb4.7,baz=208,slow=6.3,SNR=20				
INK			e	pP	11 37 41.9 -2.0
INK	comp=Z,4.2nm,0.9s,baz=225,slow=2.8,SNR=4.6				
INK			LR	LR	12 18 12.3
INK	comp=Z,45nm,18.6s,baz=86,slow=36				
INK	Inuvik	88.80 14	eP	P	11 37 17.7 +0.4
INK	comp=Z,12nm,1.1s,mb4.9				
INK			e	pP	11 37 37.9
HHC	Hu-ho-hao-te	88.95 313	eP	P	11 37 20.5 +1.9
HHC			e	pP	11 40 52.8 +1.4
HHC	comp=Z,24nm,1.0s,mb5.2				
HHC			AMB	AMB	
YAK	Yakutsk	89.30 337	iP	P	11 37 18.3 -1.5
YAK			i	pP	11 37 45.5 -1.0
YAK			i	pP	11 40 49.8
YAK			pmax	pmax	
YAK	comp=Z,25nm,0.8s,mb5.3				
YAK	Yakutsk	89.30 337	eP	P	11 37 18.8 -1.0
YAK	comp=Z,33nm,1.0s,mb5.3				

NST	Nakhon Sawan	90.41 286	P	P	11 37 29.0 +3.0
YKA	Yellowknife Ar	90.68 24	P	P	11 37 25.7 -0.5
YKA	comp=Z,1.8nm,0.9s,mb4.2,baz=239,slow=4.4,SNR=27				
YKA			e	pP	11 37 51.9 -1.1
YKA	comp=Z,4.2nm,1.2s,baz=238,slow=4.5,SNR=3.7				
YKA			LR	LR	12 09 47.4
YKWS	Yellowknife Ar	90.72 23	eP	P	11 37 26.8 +0.4
KMI	Kunming	90.76 296	eP	S	11 37 29.5 +2.0
KMI			AMB	AMB	11 48 21.4 +8.6
KMI	comp=Z,10nm,1.7s,mb4.7				
KMI			LR	LR	
NANT	Nan	90.76 289	iP	P	11 37 28.9 +1.2
BND	Bhumibol Dam	91.89 287	P	P	11 37 34.0 +1.1
SYO	Syowa Base	92.09 191	iP	P	11 37 32.4 -0.2
SYO	Syowa Base	92.09 191	iP	P	11 37 37.6 +4.1
SYO	Syowa Base	92.09 191	iP	P	11 37 58.2 -1.2
SYO	Syowa Base	92.09 191	iP	P	11 37 42.4 -0.2
SYO	Syowa Base	92.09 191	iP	P	11 37 37.6 +4.1
SYO	Syowa Base	92.09 191	iP	P	11 37 58.2 -1.2
SYO	Syowa Base	92.09 191	iP	P	11 37 36.4 +1.8
CM31	Chiang Mai Arr	92.27 288	eP	P	11 37 36.2 +1.6
CMAR	Chiang Mai Arr	92.27 288	eP	P	11 37 36.2 +1.6
CMAR	comp=Z,34nm,1.1s,mb5.5				
CMAR	comp=Z,1.1nm,0.9s,mb5.1,baz=96,slow=2.8,SNR=66				
CMAR			PKKpbc	PKKpbc	11 54 48.8
CMAR	comp=Z,0.3nm,0.8s,baz=287,slow=4.4,SNR=4.4				
CMAR			LR	LR	12 17 16.3
CHG	Chiang Mai	92.37 289	iP	P	11 37 36.2 +1.2
CHG	comp=Z,14nm,1.0s,mb5.1				
VNA3	Neumayer Olymp	92.48 175	iP	P	11 37 37.6 +3.2
VNA3	Neumayer Olymp	92.48 175	iP	P	11 37 38.5 +4.2
VNA3	Neumayer Olymp	92.48 175	iP	P	11 37 40.6 +6.1
VNA3	Neumayer Olymp	92.48 175	iP	P	11 37 45.7 +1.1
VNA3	Neumayer Olymp	92.48 175	iP	P	11 38 03.8 +2.6
SNA4	Sanae	92.51 177	iP	P	11 37 34.2 -0.3
SNA4	Sanae	92.51 177	iP	P	11 37 35.2 +0.7
SNA4	Sanae	92.51 177	iP	P	11 37 42.8 +1.1
SNA4	Sanae	92.51 177	iP	P	11 37 42.8 +1.1
SNA4	Sanae	92.51 177	iP	P	11 37 58.1 -3.2
VNA2	Neumayer-Watz	92.97 176	iP	P	11 37 39.8 +3.2
VNA2	Neumayer-Watz	92.97 176	iP	P	11 37 40.8 +4.2
VNA2	Neumayer-Watz	92.97 176	iP	P	11 37 45.4 +8.8
VNA2	Neumayer-Watz	92.97 176	iP	P	11 37 47.9 +1.1
VNA2	Neumayer-Watz	92.97 176	iP	P	11 38 05.7 +2.2
LZH	Lanzhou	93.07 307	iP	P	11 37 39.0 +1.1
LZH			PP	PP	11 41 25.3 +0.8
LZH			AMB	AMB	
LZH	comp=Z,27nm,1.3s,mb5.4				
LZH			LR	LR	
LZH	comp=N,526nm,15.1s				
VNA1	Neumayer-Stat	93.17 175	iP	P	11 37 41.0 +3.4
VNA1	Neumayer-Stat	93.17 175	iP	P	11 37 42.3 +4.7
VNA1	Neumayer-Stat	93.17 175	iP	P	11 37 46.9 +9.3
VNA1	Neumayer-Stat	93.17 175	iP	P	11 37 49.4 +1.2
CCM	Cathedral Cave	93.98 52	eP	P	11 37 41.7 -0.2
BOD	Bodaibo	94.03 329	eP	P	11 37 43.8 -1.2
ULN	Ulaanbaatar	94.41 318	eP	P	11 37 43.9 -0.1
ULN			e	pP	11 41 33.9
ULN	Ulaanbaatar	94.41 318	eP	P	11 37 44.0 +0.4
ULM	Lac du Bonnet	94.58 39	P	P	11 37 43.9 -0.4
ULM	comp=Z,5.2nm,1.1s,mb4.8				
ULM	comp=Z,2.6nm,0.9s,mb4.7,baz=239,slow=6.9,SNR=5.0				
ULM			LR	LR	12 16 42.8
ULM	comp=Z,26nm,18.4s,slow=33				
ULM	Lac du Bonnet	94.58 39	P	P	11 37 43.9 -0.4
ULM			LR	LR	12 12 42.8
SONM	Songino Array	94.83 314	eP	P	11 37 45.8 +0.2
SONM	comp=Z,0.9nm,0.9s,mb4.2,baz=105,slow=3.8,SNR=6.6				
SONM			PP	PP	11 37 41.3 -6.1
SONM	comp=Z,1.4nm,1.1s,baz=121,slow=7.2,SNR=4.9				
TXI	Tiksi	95.27 344	eP	P	11 37 46.1 -1.0
TXI			i	pP	11 38 13.2 -0.7
TXI			i	pP	11 41 37.1
TXI			e	pmax	
TXI	comp=Z,13nm,1.1s,mb5.3				
TXI			e	pP	11 37 46.7 -0.4
TIUC	Tiksi	95.27 344	eP	P	11 37 46.5 +1.7
TIUC	comp=Z,20nm,1.6s,mb5.3				











0.5nm,0.8s,mb3.2,baz=53,slow=5.4,SNR=3.0

0.4nm,0.8s,baz=354,slow=6.9,SNR=5.9

0.5nm,0.9s,mb3.9,baz=124,slow=3.3,SNR=4.0

MDD 13 16:44:34.2±0.8,41.65N±5.97W,h2km,6km,mbLg1.8/8, Error ellipse: s-maj=6.0km s-min=4.8km az=3.0,PRXIMO INMG 13 16:44:35.3±1.9,41.78N±6.02W,h15km,19km,ML1.8, Error ellipse: s-maj=22.1km s-min=20.3km az=10.0, ISC 13 16:44:32.2±0.8,41.67N±0.03,5.94W±0.04,h5km,4km,n19, ±0.68/27,Spain

NEIC 13 18:03:17.3±0.5,43.83N±105.26W,ML3.5, Error ellipse: s-maj=10.1km s-min=6.6km az=148.0,Suspected Mining explosion.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAR, SONM, ULM, DPC, PRU, GYH, VYHS, GRA1, KHC, ZST, GERES.

Code Station Name Az Az' Phase ID Time Res h m s ISC

Main table for the first section containing station data for various locations like Braganca, Calabor, La Rua, etc.

NEIC 13 18:03:17.6±1.7,43.91N±105.66W,mb3.8,mb1.3,9/7, mbl1mx3.7/19,ML3.6/4, Error ellipse: s-maj=55.7km ±0.9m,7.3km az=147.0

ISC 13 18:03:15.3±0.6,43.85N±0.08±105.2W±0.1,n13,±0.96/12, mb3.9/3, Wyoming

Code Station Name Az Az' Phase ID Time Res h m s ISC

Main table for the second section containing station data for locations like Black Hills, Pinedale Array, etc.

MEX 13 18:52:13.0±1.0,15.58N±93.93W,h34km,83km,MD3.9, Near coast of Chiapas

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table for MEX 13 18:52:13.0±1.0,15.58N±93.93W, listing stations like Matias Romero, Comitan, etc.

ISC 13 18:52:52.8±6.7,4.35S±151.84E,h50km,60km,mb3.6/9, mbl 3.8/10,mb1mx3.7/17,ML2.7/1,MS3.5/2,Ms1 3.5/2, ms1mx2.9/19, Error ellipse: s-maj=44.7km s-min=30.1km az=104.0

ISC 13 18:52:51.8±4.6,4.3S±0.2±151.7E±0.3,h54km,39km,n11, ±0.97/10,mb3.7/19,MS3.8/1, New Britain region

Code Station Name Az Az' Phase ID Time Res h m s ISC

Main table for the third section containing station data for locations like Port Moresby, Warramunga Arr, etc.

ISC 13 16:46:02.7±2.2,12.94S±167.65E,mb3.7/5,mb1 3.8/5, mbl1mx3.7/15, Error ellipse: s-maj=89.3km s-min=30.2km az=132.0

ISC 13 16:46:07.5±2.3,12.9S±0.4±167.4E±0.5,h33km,n6, ±0.34/5,mb3.6/5,Santa Cruz Islands

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table for the fourth section containing station data for Stephens Creek, Alice Springs, etc.

ISC 13 18:06:17.6±1.1,17.78S±173.26W,mb3.7/5,mb1 3.9/5, mbl1mx3.7/16, Error ellipse: s-maj=43.0km s-min=34.3km az=143.0

ISC 13 18:06:21.2±1.2,17.9S±0.3±173.3W±0.3,h33km,n5, ±0.10/15,mb3.7/5,Tonga Islands

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table for the fifth section containing station data for Warramunga Arr, Alice Springs, etc.

MEX 13 18:09:42.6±0.4,19.13N±104.09W,h42km,6km,MD3.8, Near coast of Jalisco

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table for MEX 13 18:09:42.6±0.4,19.13N±104.09W, listing stations like Colima, Colm, etc.

ISC 13 18:12:46.9±2.6,79.78N±21.53E,h15km,55km,MD2.4, ML2.9,ML2.7(NAO)

NAO 13 18:12:45.2±5.9,79.75N±20.96E,ML2.7, Svalbard region

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table for NAO 13 18:12:45.2±5.9,79.75N±20.96E, listing stations like Kingsbay, etc.

ISC 13 18:45:33.0±0.8,14.65S±174.42W,mb4.1/13,mb1 4.4/13, mbl1mx4.3/17,MS3.9/12,Ms1 3.9/12,ms1mx3.8/22, Error ellipse: s-maj=41.7km s-min=17.6km az=140.0

NEIC 13 18:45:36.0±0.5,14.51S±174.56W,h15km,mb4.5/1, Error ellipse: s-maj=26.1km s-min=12.3km az=137.0

ISC 13 18:45:34.0±0.6,14.7S±0.2±174.4W±0.2,h15km,n31, ±0.98/20,mb4.1/14,MS4.0/11, Samoa Islands region

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table for the sixth section containing station data for Rarotonga, Urewera, etc.

ISC 13 19:05:41.2±6.0,36.24N±71.30E,h62km,49km,mb3.8/12, mbl 4.0/14,mb1mx3.8/20,ML3.6/2, Error ellipse: s-maj=18.8km s-min=18.8km az=33.0

BJI 13 19:05:47.2±36.58N±71.62E,h98km,mb4.1, MOS 13 19:05:48.3±1.2,36.64N±71.53E,h128km,mb4.2/13, Error ellipse: s-maj=13.2km s-min=7.3km az=97.6

NEIC 13 19:05:48.8±2.2,36.63N±71.53E,h120km,21km,mb4.2/5, Error ellipse: s-maj=16.0km s-min=11.1km az=49.0

NNC 13 19:05:51.6±4.8,36.93N±69.83E,h128km,43km,mpv4.4, Error ellipse: s-maj=38.0km s-min=36.2km az=15.0

ISC 13 19:05:45.1±0.5,36.41N±0.03±71.44E±0.06,h11km,6km, n84,±1.93/95,mb4.0/19,6C-5D, Afghanistan-Tajikistan border region

Code Station Name Az Az' Phase ID Time Res h m s ISC

Main table for the seventh section containing station data for various locations like Cherat, Chirah Chowk, etc.

DJA 13 16:54:05.7±1.0,9.77S±116.51E,h33km,MD4.6/2, ML3.9/3,4C-3D, Error ellipse: s-maj=21.2km s-min=18.7km az=131.0,Sumbawa region

Code Station Name Az Az' Phase ID Time Res h m s ISC

Table for the eighth section containing station data for KEDI, Rati, etc.

NEIC 13 17:03:11.3±3.3,2.39S±129.35E,h62km,30km, Error ellipse: s-maj=47.2km s-min=20.7km az=66.0

ISC 13 17:03:14.5±3.8,2.53S±129.04E,h66km,35km,mb3.3/3, mbl 3.8/5, mbl1mx3.5/15,ML4.0/2, Error ellipse: s-maj=91.9km s-min=12.4km az=73.0

ISC 13 17:03:11.8±1.1,2.45S±0.1±129.5E±0.4,h66km,n9, ±0.71/11,mb3.6/3,Seram

Code Station Name Az Az' Phase ID Time Res h m s ISC

Main table for the ninth section containing station data for Kakadu, Fitzroy Crossi, etc.

ISC 13 18:45:33.0±0.8,14.65S±174.42W,mb4.1/13,mb1 4.4/13, mbl1mx4.3/17,MS3.9/12,Ms1 3.9/12,ms1mx3.8/22, Error ellipse: s-maj=41.7km s-min=17.6km az=140.0

NEIC 13 18:45:36.0±0.5,14.51S±174.56W,h15km,mb4.5/1, Error ellipse: s-maj=26.1km s-min=12.3km az=137.0

ISC 13 18:45:34.0±0.6,14.7S±0.2±174.4W±0.2,h15km,n31, ±0.98/20,mb4.1/14,MS4.0/11, Samoa Islands region

Code Station Name Az Az' Phase ID Time Res h m s ISC

Main table for the tenth section containing station data for RAR, URZ, STKA, etc.





13d 21h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EADA, ELUO, KSWY, MSU, PV10, PVO1, BART, WIAT, MYR, BDFB, ROSO.

ISK 13:21:47:22.7, 40.75N, 31.64E, h5km, ML4.6

ZUR\_RM 13:21:47:23.0, 40.73N, 31.63E, h12km, Mw4.4/15, Moment

Tensor Solution. s15 Moment tensor: Scale 1019N/m

Mw=0.90; Mw=0.34; Mw=1.24; Mw=0.74; Mw=0.89; Mw=0.22;

Best double couple: Ms=0.01x1015 N/m^2, slip=3.5, 4.77m

NF2: 0.5, 0.81; Principal axes: T=4.77, P=1.77, N=1.77

Azm229; N=-916, Plg81; Azm98; P=4.555, Plg7; Azm320;

NEIC 13:21:47:23.0, 40.73N, 31.63E, h5km, mb4.1/31, ML4.6(ISK)

After ISK.

NEIC Four people injured jumping from buildings in the Bolu Area.

MOS 13:21:47:24.4, 0.9, 40.80N, 31.56E, h10km, mb4.7/3, Error

ellipse: s-maj=6.1km s-min=4.5km az=131.5

IDC 13:21:47:24.1, 0.8, 40.81N, 31.69E, mb4.0/14, mb1.4/2/20,

Error ellipse: s-maj=20.2km s-min=11.0km az=32.0

THE 13:21:47:27.1, 40.76N, 31.51E, h6km, ML4.7

ISC 13:21:47:23.0-1, 40.81N, 0.02, 31.62E, 0.02, h5km, n265,

s112/290, mb4.2/34, MS3.6/6, 14C-ID, Turkey

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists numerous stations like MDU, HENT, SAFT, etc.

2004 APR

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists numerous stations like MALT, MALT, OUN, ANN, etc.

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Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists numerous stations like WTTA, WTTA, HILS, BRG, etc.



Table of radio station data including call signs (e.g., DZM, OUZ, WJCU), frequencies, and other technical details.

Table of radio station data including call signs (e.g., ASAR, FORT, FITZ), frequencies, and other technical details.

Table of radio station data including call signs (e.g., HUMO, NVAR, PAHR), frequencies, and other technical details.





Table with columns for location (e.g., LBTB, KAF, FINES), time (133.07 205), and status (ePKIKP, PKPdf, etc.).

Table with columns for location (e.g., KIS, KIS, KIS), time (01 52 05.7 +2.5), and status (e, pmax, etc.).

Table with columns for location (e.g., SIND, BUD, BUCI), time (148.44 355), and status (e, PKPdf, etc.).











Table with columns for station call letters, frequency, power, and other technical details. Includes stations like NVAR, Qiongzong, AAA, JMW, SCFH, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like LSA, EKSZ, NLU, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like CM31, CMAR, CMAR, etc.







OSFS	Osseles	80.88 348f	eP	P	02 06 17.5 +0.1
MGR	Morigerati	80.89 335	eP	P	02 06 17.6 +0.1
ORDF	Ordari	80.89 348f	eP	P	02 06 17.2 -0.2
LKD	Lekvas	80.90 331	eP	P	02 06 16.9 -0.7
ARG	Arkhangelos	80.91 324	eP	P	02 06 17.0 -0.7
EPF	Espana	80.91 347	eP	P	02 06 17.8 +0.2
EALK	Alkurnuntz	80.95 348	P	P	02 06 18.4 +0.6
REYF	Montagne du Re	80.96 348f	eP	P	02 06 17.5 -0.3
CARF	Carcaeres	81.00 348	eP	P	02 06 20.0 +2.1
MELF	Melles	81.01 347f	eP	P	02 06 18.2 +0.1
SJPF	Stee Jean	81.02 348	eP	P	02 06 19.5 +1.4
SALF	Salau	81.06 346f	eP	P	02 06 18.7 +0.3
FILF	Filols	81.07 345	eP	P	02 06 19.5 +1.1
LARF	Larrau	81.07 348f	eP	P	02 06 19.3 +0.9
SJAF	Saint Jean de	81.09 345f	eP	P	02 06 19.5 +1.0
VJEF	View	81.09 347f	eP	P	02 06 19.8 +1.3
VJON	La Jonquera	81.13 347	eP	P	02 06 20.4 +1.6
RESF	Enes	81.13 347f	eP	P	02 06 20.1 +1.4
ELAN	Lanestosa	81.15 350	P	P	02 06 19.4 +0.7
TDS	Terranova Siba	81.15 334	eP	P	02 06 19.9 +1.0
ETSF	Etsaut	81.15 348	eP	P	02 06 20.1 +1.3
HNTI	Hanita	81.18 318	P	P	02 06 19.2 0.0
HNTI	Hanita	81.18 318	iP	P	02 06 19.2 0.0
EARI	Arriondas	81.25 351	P	P	02 06 19.8 +0.5
EPON	Pontenova	81.38 352	P	P	02 06 20.2 +0.2
VLS	Valsamata	81.42 331	eP	P	02 06 19.5 -0.8
OFRI	Ofer	81.66 318	iP	P	02 06 21.7 0.0
OFRI	Ofer	81.66 318	iP	P	02 06 21.7 0.0
HASS	Wahat al Ahsa'	81.66 303	P	P	02 06 20.7 -1.2
ECRI	Cripan	81.66 349	P	P	02 06 23.0 +1.5
HMDT	Nahal Hemdat	81.78 317	iP	P	02 06 22.6 +0.3
HMDT	Nahal Hemdat	81.78 317	iP	P	02 06 22.6 +0.3
QURS	Qurayt al Mil	81.83 315	P	P	02 06 23.1 +0.6
EMIR	Miracle	81.85 346	P	P	02 06 24.1 +1.6
EMAZ	Mazaricos	81.88 354	P	P	02 06 24.1 +1.4
STS	Santiago	81.92 353	P	P	02 06 23.4 +0.6
GRI	Girifalco	81.92 334	eP	P	02 06 23.5 +0.6
ITMI	Ithomi	81.96 329	eP	P	02 06 22.5 -0.7
SLTI	Salt'i	81.98 317	0	P	02 06 23.0 0.0
EINC	Incio	82.06 353	P	P	02 06 24.4 +0.8
VLI	Veliai	82.09 328	eP	P	02 06 22.0 -1.8
ESAC	San Caprasio	82.30 347	P	P	02 06 26.2 +1.4
ERUA	La Rua	82.31 352	P	P	02 06 26.0 +1.2
AS12	Alice Springs	82.38 206	iP	P	02 06 25.5 -0.1
ASAR	Alice Springs	82.38 206	P	P	02 06 25.6 0.0
ASAR	comp-Z,1.9nm,0.7s,baz=17,slow=4.6,SNR=168		PKP	PKP	02 24 36.5 +4.3
ASAR	comp-Z,4.4nm,1.0s,baz=15,slow=4.5,SNR=8.0		LR	LR	02 24 48.9
ASAR	comp-Z,762nm,19.4s,MSS:1,ba=5.2,slow=37		LR	LR	02 44 41.1
DRGI	Dragot	82.41 317	iP	P	02 06 25.6 0.0
DRGI	Dragot	82.41 317	iP	P	02 06 25.6 0.0
EPOB	Poblet	82.46 346	P	P	02 06 26.9 +1.2
NPS	Neapolis	82.60 326	eP	P	02 06 25.0 -1.5
RAR	Rarotonga	82.65 145	LR	LR	02 34 14.3
RAR	Rarotonga	82.65 145	LR	LR	02 34 14.3
RAR	Rarotonga	82.65 145	LR	LR	02 34 40.0 +1.3
EZAM	Zamario	82.66 354	P	P	02 06 27.8 +1.2
KRIS	Kristallena	82.71 326f	eP	P	02 06 25.9 -1.2
MSI	Messina ING	82.72 334	eP	P	02 06 26.4 -0.6
SO	Samo	82.72 334	eP	P	02 06 27.3 +0.5
ECAL	Calabar	82.72 352	P	P	02 06 27.7 +0.8
IDI	Anovia	82.81 326	P	P	02 06 26.1 -1.4
PBRG	Braganca	82.85 352	eP	P	02 06 28.2 +0.5
PBRG	Braganca	82.85 352	eP	P	02 06 28.2 +0.5
PBRG	Braganca	82.86 352	eP	P	02 06 47.0 +3.1
MTTG	Motta San Giov	82.86 334	eP	P	02 06 28.1 +0.4
ELOB	Lobios	82.90 350	P	P	02 06 27.9 +0.5
XRY	Khrisi	82.93 326	eP	P	02 06 26.0 -2.2
ERTA	Horta de San J	82.95 347	P	P	02 06 29.3 +1.2
EBR	Ebro Roquetas	83.06 346	iP	P	02 06 30.0 +1.3
RTMM	Retamin	83.17 317	P	P	02 06 29.3 -0.1
MASH	Mash'abbe Sade	83.18 317	P	P	02 06 29.4 -0.1
SVTA	Shivta	83.30 317	P	P	02 06 30.1 0.0
CSLB	Castelbuono	83.33 335	P	P	02 06 31.2 +1.1
ETOR	Torres	83.38 348	P	P	02 06 31.5 +1.2
KZIT	Kziot	83.41 317	P	P	02 06 30.6 -0.1
KZIT	Kziot	83.41 317	iP	P	02 06 30.6 -0.1
ZFRI	Zfri	83.42 316	P	P	02 06 30.7 0.0
ZFRI	Zfri	83.42 316	P	P	02 06 30.7 0.0
HLSL	Ha'il	83.44 310	P	P	02 06 31.2 +0.3
PVRL	Vila Real	83.46 353	eP	P	02 06 31.6 +0.9
PVRL	Vila Real	83.46 353	eP	P	02 06 31.4 +0.7
ERC	Erice	83.52 342	P	P	02 06 32.1 +1.2
EMOS	Mosqueruela	83.64 347	P	P	02 06 33.2 +1.7
PRNI	Paran	83.67 316	P	P	02 06 32.2 +0.3
PRNI	Paran	83.67 316	iP	P	02 06 32.2 +0.3
MTGR	Montagna Grand	83.72 336	P	P	02 06 32.9 +1.0
AGST	Augusta-Monte	83.70 334	eP	P	02 06 31.5 -0.4
CRJA	Costa Raja	83.71 336	P	P	02 06 33.7 +1.7
MFNL	Monte Finestre	83.74 336	P	P	02 06 33.5 +1.4
BBSR	BB Station	83.74 339	iP	P	02 06 31.8 -0.5
BBSR	BB Station	83.74 339	iP	P	02 06 31.8 -0.5
BBSR	BB Station	83.74 339	iP	P	02 06 51.1 +2.5
GUD	Guadarrama	83.78 350	P	P	02 06 33.3 +1.0
MMGO	Monte Magaglia	83.85 336	P	P	02 06 33.5 +0.8
CLTB	Caltabellota	83.87 336	eP	P	02 06 33.6 +0.8
CAVT	Castelvetrano	83.88 336	P	P	02 06 34.2 +1.4
MEU	Monte Laura	83.92 335	eP	P	02 06 34.4 +1.3
FZI	Palazzolo	83.96 335	eP	P	02 06 36.9 +0.5
KMTI	Karmit	84.00 317	P	P	02 06 33.5 -0.1
KMTI	Karmit	84.00 317	iP	P	02 06 33.5 -0.1
PVIS	Viseu	84.03 353	eP	P	02 06 34.5 +1.0
PVIS	Viseu	84.03 353	eP	P	02 06 34.3 +0.8
ARSS	Ar Rass	84.03 308	P	P	02 06 33.9 -0.3
MBH	Mount Berech	84.20 316	P	P	02 06 34.9 +0.3
MBH	Mount Berech	84.20 316	iP	P	02 06 34.9 +0.3
AQBJ	Aqaba	84.20 316	P	P	02 06 35.0 +0.4
EIL	Elat	84.29 316	eP	P	02 06 35.2 +0.1
EIL	Elat	84.29 316	iP	P	02 06 35.2 +0.1
MTE	Manteigas	84.32 352	eP	P	02 06 36.1 -1.1
MTE	Manteigas	84.32 352	eP	P	02 06 56.0 +4.7
MTE	Manteigas	84.32 352	eP	P	02 16 57.8 +3.2
MTE	Manteigas	84.32 352	eP	P	02 22 31.4 +3.3
MTE	Manteigas	84.32 352	eP	P	02 29 03.8
MTE	Manteigas	84.32 352	eP	P	02 34 51.4
MTE	Manteigas	84.32 352	eP	P	02 06 35.9 +0.9
MBWA	Marble Bar	84.45 220	P	P	02 06 35.5 -0.6
MBWA	Marble Bar	84.45 220	P	P	02 16 57.3
ALWS	Ihw as Safayha	84.56 316	P	P	02 06 36.9 +0.5
JMOS	Jabal Mogreyh	84.61 315	P	P	02 06 37.2 +0.5
JMOS	Jabal al Moall	84.67 316	P	P	02 06 37.6 +0.6
EIBI	Ibiza	84.71 345	P	P	02 06 39.1 +2.2
ESDC	Sonsecra Array	84.72 350	P	P	02 06 38.0 +1.0
ESDC	Sonsecra Array	84.72 350	P	P	02 06 57.9 +4.6

ESDC	Sonsecra Array	84.72 350	P	P	02 06 38.0 +1.0
ESLA	Sonsecra Array	84.72 350f	eP	P	02 06 38.1 +1.1
ESLA	Sonsecra Array	84.72 350f	eP	P	02 06 55.9 +2.6
ESLA	Sonsecra Array	84.72 350f	eP	P	02 06 55.9 +2.6
HAQS	Haql	84.85 316	P	P	02 06 38.1 +0.3
PCBR	Castelo Branco	84.87 352	eP	P	02 06 38.5 +0.8
PCBR	Castelo Branco	84.87 352	eP	P	02 06 56.6 +2.5
PCBR	Pantelleria	84.89 337	eP	P	02 06 38.4 +0.7
PTOM	Tomar	85.16 353	eP	P	02 06 38.8 +0.9
CCIG	Comitan	85.35 68	iP	P	02 06 39.8 +0.6
EBEN	Beniarda	85.24 347	P	P	02 06 40.8 +1.1
BDAS	Al Bad'	85.33 316	P	P	02 06 41.6 +2.0
ETOB	Tobarra	85.47 348	P	P	02 06 40.4 +0.1
AYUS	'Ayunah	85.48 315	P	P	02 06 42.5 +1.8
EVIA	Vianos	85.59 348	P	P	02 06 42.0 +1.0
ARMA	Armadilla	85.88 190	eP	P	02 06 42.1 +1.8
AFFS	'Affi	85.88 307	eP	P	02 06 43.6 +0.7
EBAD	Badajoz	85.91 352	P	P	02 06 43.8 -0.2
KBRS	Khaybar	85.92 311	P	P	02 06 43.9 +1.0
PLOU	Loures	85.94 354	eP	P	02 06 43.5 +0.3
PLOU	Loures	85.94 354	eP	P	02 06 43.9 +0.3
CAEH	'Ain El Ouahch	85.98 341	P	P	02 07 04.7 +5.3
LPD	Lampedusa	85.99 336	eP	P	02 06 44.0 +0.7
CMAH	Huelas Manchou	86.02 340	P	P	02 06 46.1 +2.7
ADH	Angra Heroismo	86.05 8	LR	LR	02 06 45.0 +1.5
LIS	Lisbon	86.11 354	eP	P	02 35 27.5
EBAN	Banos Encina	86.20 349	P	P	02 06 42.1 -1.7
EVO	Evora	86.21 353	eP	P	02 06 46.0 +1.7
EVO	Evora	86.21 353	eP	P	02 06 45.7 +1.4
EMUR	La Murta	86.22 347	P	P	02 06 46.0 +1.6
MOE	Montemor	86.24 353	eP	P	02 06 45.8 +1.3
MOE	Montemor	86.24 353	eP	P	02 07 06.1 +5.2
MOE	Montemor	86.24 353	eP	P	02 06 45.9 +1.4
EADA	Adamuz	86.28 350	P	P	02 06 45.9 +1.2
EHUE	Huesca	86.41 348	P	P	02 06 46.8 +1.4
CART	Cartagena	86.44 347f	eP	P	02 06 45.3 -0.2
EQES	Quesada	86.47 347f	eP	P	02 06 46.6 +0.9
CASA	Ain Smara	86.56 341	P	P	02 06 46.8 +0.9
ABAM	Alger-Bouzarea	86.63 344	P	P	02 06 47.0 +0.9
EHOR	Hornachuelos	86.68 350	P	P	02 06 48.0 +1.6
PBEJ	Beja	86.70 353	eP	P	02 06 47.7 +1.0
PBEJ	Beja	86.70 353	eP	P	02 06 48.1 +1.3
PBEJ	Beja	86.70 353	eP	P	02 07 08.2 +5.0
SET	Setif	86.81 342	P	P	02 06 48.0 +1.2
ELUQ	Luque	86.84 350	P	P	02 06 47.0 -0.4
EMIN	Mina Concepcio	86.86 352	P	P	02 06 48.6 +1.1
EMIN	Mina Concepcio	86.86 352	P	P	02 06 48.8 +1.2
ECOG	Cogollos-Vega	87.05 349	P	P	02 06 48.4 +1.2
EGRO	El Granado	87.16 352	P	P	02 06 49.7 +1.2
EMHD	Djebel Mahouad	87.23 344	eP	P	02 06 48.9 -0.1
PALC	Alcoutim	87.23 352	eP	P	02 06 50.0 +0.6
PALC	Alcoutim	87.23 352	eP	P	02 06 49.9 +0.5
ELCJ	Sierra Loja	87.24 349	P	P	02 06 50.9 +0.9
PTEO	Sao Teotonio	87.24 353	eP	P	02 06 50.7 +0.9
PTEO	Sao Teotonio	87.24 353	eP	P	02 06 50.3 +0.9
EBER	Eber	87.35 348	P	P	02 06 50.7 +0.9
ECHF	Ech Chlef	87.52 345	P	P	02 06 50.4 +1.2
ELIJ	Sierra de Lija	87.59 350	P	P	02 06 52.0 +2.1
ESPR	Espera	87.69 351	P	P	02 06 53.1 +2.0
YNSB	Yanbu al Bahr	87.74 311	P	P	02 06 53.1 +1.5
EAJR	'Ain N'Sour	87.76 345	P	P	02 06 53.7 +1.6
OJBR	Djebel Berber	88.23 346	P	P	02 06 52.0 +0.1
OJGS	Djebel Gues	88.25 345	P	P	02 06 56.0 +1.8
KAMS	Karamasin	88.26 304	P	P	02 06 56.0 +1.7
ETRT	Tiaret	88.28 345	P	P	02 06 54.0 -0.7
STKA	Stephens Creek	88.67 198	eS	SKS	02 06 55.0 +0.6
STKA	Stephens Creek	88.67 198	eS	SKS	02 17 12.6 -5.8
STKA	Stephens Creek	88.67 198	eS	SKS	02 06 56.4 0.0
STKA	Stephens Creek	88.67 198	eS	SKS	02 06 56.4 0.0
STKA	Stephens Creek	88.67 198	eS		







Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like KASHI, ULHAL, KZAR, etc.

14d 04:33:27.8; 10.0, 36.83N; 71.57E, h85km; 85km, mb3.4/4, mb1 3.5/6, mb1mx3.3/17, ML3.3/2, Error ellipse: s-maj=88.5km s-min=28.6km az=41.0

14d 04:33:38.3; 7.1, 37.61N; 71.32E, h187km; 60km, mpv4.1, Error ellipse: s-maj=84.5km s-min=38.1km az=16.0

14d 04:33:35.4; 3.2, 37.5N; 0.2; 71E; 0.2, h135km; 23km, n17, 0; 89/19, mb3.4/4, C, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like AML, UCH, KZAR, etc.

14d 04:47:53.1; 1.8, 16.64S; 178.20W, mb4.3/4, mb1 4.5/4, mb1mx4.0/14, Error ellipse: s-maj=147.0km s-min=31.7km az=155.0

14d 04:47:57.2; 1.6, 16.2S; 0.9; 178.5W; 0.4, h33km, n7, 0; 15/7, mb4.2/4, 2D, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like STKA, WB2, AS12, etc.

14d 04:56:26.7; 0.7, 16.13S; 69.55W, h211km; 7km, mb4.3/7, Error ellipse: s-maj=13.0km s-min=8.4km az=53.0

14d 04:56:28.0; 1.0, 15.95S; 69.44W, h215km; 7km, mb3.7/10, mb1 3.8/11, mb1mx3.7/18, Error ellipse: s-maj=24.1km s-min=15.6km az=49.0

14d 04:56:26.2; 0.7, 16.12S; 0.08; 69.57W; 0.09, h222km; 6km, n35, 0; 110/32, mb4.1/14, 1D, Peru-Bolivia border region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like LPAZ, LVC, NNA, etc.

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

14d 05:10:38.9; 0.2, 0.76N; 125.86E, mb3.4/3, mb1 3.6/3, mb1mx3.4/13, Error ellipse: s-maj=183.0km s-min=25.9km az=65.0, Northern Molucca Sea

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

14d 05:17:19.8; 1.1, 8.88N; 93.87E, h21km; 4km, mb3.7/7, mb1 3.8/8, mb1mx3.7/16, ML3.7/1, MS2.9/1, Ms1 3.1/1, ms1mx2.7/21, Error ellipse: s-maj=39.4km s-min=19.8km az=57.0

14d 05:17:20.0; 0.9, 8.83N; 93.80E, Error ellipse: s-maj=23.9km s-min=18.1km az=65.0

14d 05:17:18.4; 1.1, 8.9N; 0.1; 93.9E; 0.2, h25km, n13, 0; 8/1, 8km, p-P, n18, 0; 74/18, mb3.8/8, Nicobar Islands region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like CMAR, PKI, DMN, etc.

14d 05:27:00.7; 1.3, 39.66N; 52.35E, h33km, mb4.1/7, Error ellipse: s-maj=14.6km s-min=10.9km az=70.5

14d 05:27:03.9; 2.9, 39.74N; 52.48E, h38km; 31km, mb4.0/2, Error ellipse: s-maj=18.8km s-min=8.2km az=173.0

14d 05:27:04.0; 0.8, 39.75N; 52.50E, h37km; 64km, mb3.6/10, mb1 3.8/11, mb1mx3.7/20, ML4.0/1, Error ellipse: s-maj=34.6km s-min=17.1km az=3.0

14d 05:27:10.8; 3.5, 40.10N; 53.51E, h9km; 43km, Error ellipse: s-maj=36.8km s-min=11.1km az=61.0

14d 05:27:15.6; 0.3, 38.68N; 51.95E, h15km, MD3.8

14d 05:27:02.7; 1.6, 39.82N; 0.08; 52.50E; 0.08, h41km; 18km, n40, 0; 122/48, mb3.7/12, 12C-2D, Caspian Sea

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like DAMV, KIV, AB31, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like KKR, SVE, BRVK, etc.

14d 05:31:34.4; 1.6, 13.41N; 90.43W, h28km; 4km, MD4.1, ML4.1, 7C-7D, Near coast of Guatemala

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like CUSS, IXP, SBLS, etc.

14d 05:47:53.1; 1.3, 39.46N; 77.68E, mpv3.0, Error ellipse: s-maj=13.0km s-min=5.9km az=6.0

14d 05:47:58.4; 3.9, 69N; 77.64E, h10km, ML3.5

14d 05:47:53.8; 3.5, 39.2N; 0.2; 77.8E; 0.1, h10km, n12, 0; 16/12, 5C, Southern Xinjiang

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like KSH, ULHL, KZA, etc.















Table with columns: Station, Time, Res, and various codes. Includes stations like BHW, TCW, NNZ, Nelson, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, and various codes. Includes stations like NB2, LIC, KIC, TCC, etc.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like WMQ, DMN, KAKANI, etc.



Table with columns: RES, Station Name, Time, Res, and various codes. Includes stations like Resolute Bay, Indian Mountain, Inuvik, etc.

Table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like South Pole Qui, El Rosal, CPUP, etc.

Table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like JACH, FCH, PEL, etc.

Table with columns for station name, frequency, and various signal quality metrics. Includes stations like Mys Kozlova, Zelenaya, Kopyto, etc.

Table with columns for station name, frequency, and various signal quality metrics. Includes stations like MCKinley, PMS Palmer South, SML ILAR, etc.

Table with columns for station name, frequency, and various signal quality metrics. Includes stations like Laurance Lake, New Goldendale, Newport, etc.









Table with columns: TEL3, Telica 3, 1.19 327f, eP, P, 18 14 04.9 -0.2, etc.

IDC 14 19:03:57.2:62.0, 21.92S:178.46W, mb4.1/3, mb1 4.3/3, mb1mx3.8/13, 1D, Error ellipse: s-maj=1123.0km s-min=163.1km az=85.0, Fiji Islands region

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

NEIC 14 19:14:36.1:0.6, 16.78S:66.12E, h10km, mb4.1/2, Error ellipse: s-maj=20.4km s-min=14.9km az=123.0

BUI 14 19:14:37.0, 16.80S:66.10E, h10km, mb4.4, Ms4.5, Msz4.2 IDC 14 19:14:37.1-3.7, 16.53S:66.55E, mb3.9/7, mb4.1/7, mb1mx3.9/16, Ms4.3/18, Ms1.4/3.18, ms1mx4.2/22, Error ellipse: s-maj=110.0km s-min=27.6km az=59.0

ISC 14 19:14:34.4:0.6, 17.0S:0.1x66.1E, h10km, n43, s=108/30, mb4.4/17, Ms4.3/19, 7C, Mid-Indian Ridge

Main table of station data for the first section, including stations like KMBBO, LBTB, KOLN, etc.

LDG 14 19:25:31.1:0.1, 46.28N:7.31E, h2km, ML1.7/9, Error ellipse: s-maj=2.0km s-min=0.7km az=90.0

NEIC 14 19:25:31.1, 46.28N:7.31E, h2km, ML1.7(LDG), After LDG.

ZUR 14 19:25:31.6, 46.28N:7.19E, h8km, ML1.0/9

ISC 14 19:25:31.2:0.4, 46.30N:0.02:7.16E:0.03, h8km, n18, s=159/32, 4C-4D, Switzerland

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

Table with columns: DIX, Grande Dixence, 0.28 141, iP, Pg, 19 25 37.3 +0.4, etc.

MOS 14 19:52:00.9:1.0, 51.77N:157.57E, h125km, mb3.5/1, Error ellipse: s-maj=52.5km s-min=20.8km az=55.5

KRSC 14 19:52:00.5:0.8, 51.73N:157.55E, h127km, mb3.3/5, Error ellipse: s-maj=34.0km s-min=14.7km az=162.0

NEIC 14 19:52:02.7:3.1, 51.62N:157.81E, h125km, mb3.3/5, mb1 3.8/7, mb1mx3.4/21, Error ellipse: s-maj=36.4km s-min=16.3km az=156.0

ISC 14 19:52:01.2:0.4, 51.74N:0.05x157.56E:0.09, h127km, mb3.3/5, ms1, s=98/65, mb3.5/6, 1D, Near east coast of Kamchatka Peninsula

Main table of station data for the second section, including stations like PAU, MIPR, GRL, etc.

IDC 14 20:18:02.9:7.0, 25.00N:108.74W, mb3.2/2, mb1 3.7/4, mb1mx3.6/16, ML3.6/1, Error ellipse: s-maj=111.0km s-min=102.7km az=38.0

ISC 14 20:17:56.9:5.2, 24.38N:0.5x108.7W:0.2, h10km, n5, s=105/15, mb3.1/2, Gulf of California

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

PDG 14 20:18:57.8:0.1, 43.01N:17.77E, h8km ROM 14 20:18:57.2:0.3, 43.10N:18.02E, h10km, MD3.3/14, ML3.0/12, Error ellipse: s-maj=2.7km s-min=1.8km az=90.0

NEIC 14 20:18:57.8, 43.01N:17.77E, h8km, MD3.3(ROM), ML3.2(LDG), ML3.0(BUD), ML3.0(PDG), After PDG.

PRU 14 20:18:58.0, 43.10N:18.03E LDG 14 20:19:09.4:0.5, 43.11N:16.87E, h10km, ML3.2/8, Error ellipse: s-maj=12.0km s-min=7.1km az=55.0

ISC 14 20:18:57.3:0.2, 43.07N:0.2x17.77E:0.02, h8km, n80, s=151/135, 13C-7D, Northwestern Balkan Peninsula

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

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

AOS THE Thessaloniki 2.74 45 ePn Sn 20 08 45.8 +0.5

PTL Penteli 2.79 103 ePn Pg 20 08 49.5 -6.4

PAIG Paliouri 2.81 63 ePn Pg 20 08 47.0 +0.8

PAI Veliia 2.83 134 ePn Pg 20 08 52.5 -4.1

PLG Polgyros 2.87 54 ePn Pb 20 08 41.2 -4.2

SOH Sokhos 3.09 46 ePn Sn 20 08 50.9 +0.7

SOH Sokhos 3.09 46 ePn Sn 20 08 50.9 +0.7

KNT Kendrikon 3.10 37 ePn Pn 20 08 50.9 +0.6

GRI Girifalco 3.12 273 ePn Pn 20 08 52.5 +1.9

GRI Girifalco 3.12 273 ePn Pn 20 08 52.5 +1.9

OUR Ouranopolis 3.20 59 ePn Sn 20 08 59.8 +1.2

TDS Teranovoa Siba 3.20 288 ePn Pn 20 08 55.3 +2.1

TDS Skopje 3.34 13 ePn Sn 20 09 35.2 +2.1

SKO Skopje 3.34 13 ePn Sn 20 08 54.0 +0.2

SKO Skopje 3.34 13 ePn Sn 20 08 54.0 +0.2

ORI Oriolo Calabro 3.35 295 ePn Pn 20 09 05.6 +1.6

ULC Ulcinj 3.36 345 ePn Sn 20 08 57.9 +0.3

SRS Serrai 3.42 45 ePn Pn 20 08 55.4 +0.5

SRS Serrai 3.42 45 ePn Pn 20 08 55.4 +0.5

SOI Samo 3.48 261 ePn Pn 20 08 56.3 +0.5

SOI Samo 3.48 261 ePn Pn 20 08 56.3 +0.5

SOI Samo 3.48 261 ePn Pn 20 08 56.3 +0.5

SOI Samo 3.48 261 ePn Pn 20 08 56.3 +0.5

SOI Samo 3.48 261 ePn Pn 20 08 56.3 +0.5

SOI Samo 3.48 261 ePn Pn 20 08 56.3 +0.5

SOI Samo 3.48 261 ePn Pn 20 08 56.3 +0.5

SOI Samo 3.48 261 ePn Pn 20 08 56.3 +0.5

SOI Samo 3.48 261 ePn Pn 20 08 56.3 +0.5

14d 22h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TIG Podgorica, ULICINJ, Berane, Plav, Puka, Divcibare, Monte Sant'Ang, etc.

KRSC 14:20:30:16.9:0.4,55.40N:166.55E,h20km,3km,ML3.8, Komandorski Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BKI Bering, KBTR Kurobregovo, MKZ Mys Kozlova, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CIRR Tsirk, KMNRR Kamenistaya, KPT Kopyto, etc.

NEIC 14:20:41:51.0,44.73N:10.07E,h24km,MD2.4(ROM), ML2.5(GEN),ML2.1(LDG),After GEN.

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

NEIC 14:20:41:53.9:0.4,44.47N:10.04E,9.86E:0.03,h10km,n23, 0593/43, Northern Italy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CODM, GRAM, BACM, VALM, etc.

IDC 14:20:51:41.0,44.5,5.04S:129.73E,h176km,40km,mb2,9/2, mb1.3/3.5,mb1mx3/2.7,Error ellipse: s-maj=70.1km

IDC 14:20:51:43.5:2.2,5.37S:109.129.6E:0.2,h22km,25km, n7,15/25/12,mb3.0/2,Banda Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KAKA Kakadu, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

MDD 14:20:56:31.2:0.5,43.08N:0.26W,h10km,3km,mbL0.4/5, Error ellipse: s-maj=5.2km,s-min=2.2km,az=9.0,PRXIMO

NEIC 14:20:56:31.3:0.4,43.08N:0.22W,h2km,ML2,(STR),After STR.

IDC 14:20:56:30.1:0.9,43.11N:0.07:0.24W:0.04,h10km,n9, 0575/13,Pyrenees

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like REYF Montagne du Re, REYF Montagne du Re, VIEF View, etc.

TRN 14:22:28:7.17,55N:61.14W,h35km,MD3.6,MD3.6(FDF), 1C,Leeward Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CPB Codrington, BPA Boggy Peak, BEG Port Louis, etc.

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mb1mx3.9/13,MS3.8/2,Ms1.3.8/2,ms1mx3.1/14,Error ellipse: s-maj=673.0km,s-min=113.0km,az=84.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, PMG Port Moresby, STKA Stephens Creek, etc.

NEIC 14:21:10:50.8:2.5,4.36S:137.52E,h37km,20km,mb4.1/3, Error ellipse: s-maj=22.3km,s-min=11.4km,az=55.0

IDC 14:21:11:02.7:4.9,4.59S:137.56E,h162km,46km,mb3.5/4, mb1.3/7.8,mb1mx3.6/14,MS3.3/1,Ms1.3.3/1,ms1mx2.9/10, Error ellipse: s-maj=32.6km,s-min=13.7km,az=87.0

IDC 14:21:10:49.0:2.2,4.54S:107.137.3E:0.1,h33km,20km, n16,0158/22,mb3.9/5,Irian Jaya

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KAKA Kakadu, WRAB Tennant Creek, WB2 Warramunga Arr, etc.

IDC 14:21:23:12.9:1.0,46.39N:0.09:15.09E:0.08,n5,0534/6, 2C,Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GROS Grobnik, PDKS Podkum, DBBS Dobrina, etc.

ISK 14:21:24:00.1,40.04N:27.51E,h13km,ML3.4, ATH 14:21:24:02.4,39.96N:27.60E,h46km,MD3.5/4, SOF 14:21:24:03.9,40.33N:27.25E,h10km,MD2.9

IDC 14:21:23:59.0:0.6,40.05N:0.02:27.49E:0.04,h3km,5km, n41,0575/10,3C-2D,Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BNT Bandirima, BALB Balikesir, MRMT Marmara Adasi, etc.

ALT Altintas, KHL Karahalli, SMG Sams, DIM Dimitrovgrad, JMB Yambol, ESKT Eskisehir, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DNZL Cakroluk, DNZL Rozhen, RZN Rozhen, etc.

TRN 14:22:28:7.17,55N:61.14W,h35km,MD3.6,MD3.6(FDF), 1C,Leeward Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CPB Codrington, BPA Boggy Peak, BEG Port Louis, etc.



Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like ESK, KAF, GCL, MUD, FIAO, etc.

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like SUW, COLIM, MOX, WLF, etc.

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like FRB, RES, LBG, WET, etc.





14d 23h

Table with columns for stock symbols (e.g., EHUE, ORU, VAY), company names, prices, and various indicators. Includes sub-sections like '14d 23h' and '14d 23h'.

2004 APR

Table with columns for stock symbols (e.g., INK, INK, INK), company names, prices, and various indicators. Includes sub-sections like '2004 APR' and '2004 APR'.

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Table with columns for stock symbols (e.g., TI2, TI2, TI2), company names, prices, and various indicators. Includes sub-sections like '324' and '324'.







15d 2h

2004 APR

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

ATH 15 00:17:35.8, 38.40N-21.92E, h16km, 4km, MD3, 2/B
NEIC 15 00:17:35.8, 38.40N-21.92E, h16km, MD3, 2(ATH), After ATH.

THE 15 00:17:37.1, 38.41N-22.06E, h10km, ML3, 0
ISC 15 00:17:36.5-0.5, 38.38N-0.03-21.98E, 0.04, h10km, n21, 0.096/28, Greece

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Erytria, Agios Georgios, Levkas, Valsamata, etc.

NEIC 15 00:20:09.7-0.6, 71.13N-7.29W, h10km, ML3, 1(BER), Error ellipse: s-maj=14.0km s-min=6.3km az=2.0

NAO 15 00:20:10.3-2.5, 71.25N-7.74W, ML2, 2
IDC 15 00:20:10.8-1.1, 0.71N-6.65W, mb1 3.5/4, mb1mx3.2/2.1, ML3, 2/4, Error ellipse: s-maj=123.0km s-min=46.4km az=123.0

BER 15 00:20:11.2-1.2, 71.31N-8.09W, h10km, MD3, 1, ML3, 1, ML2, 2(NAO)
ISC 15 00:20:06.7-1.2, 71.14N-0.08-7.1W-0.1, h2km, 11km, n24, 0.110/33, mb3.9/1.4D, Jan Mayen Island region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Jan Mayen East, Jan Mayen West, Jan Mayen, etc.

NAO 15 00:22:31.9-3.1, 71.34N-8.04W, ML2, 6
NEIC 15 00:22:31.7-0.6, 71.05N-7.36W, h10km, mb3.6/1, ML3.5(BER), Error ellipse: s-maj=10.9km s-min=5.9km az=185.0

IDC 15 00:22:33.2-1.7, 70.99N-6.75W, mb3.1/2, mb1 3.6/6, mb1mx3.4/2.1, ML3, 6/4, Error ellipse: s-maj=37.0km s-min=20.3km az=33.0

BER 15 00:22:34.2-1.3, 71.26N-8.07W, h10km, MD3, 4, ML3.5, ML2, 6(NAO)
ISC 15 00:22:29.6-0.4, 70.99N-0.06-7.12W-0.07, h10km, n30, 0.123/42, mb2.9/2.6D, Jan Mayen Island region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Jan Mayen East, Jan Mayen West, Jan Mayen, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Tromso, Moi Rana, Kingsbay, Namsos, etc.

IDC 15 00:36:49.8-9.2, 71.58N-11.21W, mb2.9/1, mb1 3.5/5, mb1mx3.2/2.1, ML3, 1/4, MS3.9/1, Ms1 3.9/1, ms1mx3.2/2, Error ellipse: s-maj=126.0km s-min=53.7km az=129.0

BER 15 00:37:09.9-1.4, 71.23N-7.92W, h10km, MD2, 8, ML3.5
ISC 15 00:37:05.6-0.8, 71.11N-1.0-7.21W, 0.08, h10km, n15, 0.150/19, mb2.6/1.1, MS3.7/1.4D, Jan Mayen Island region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Jan Mayen East, Jan Mayen West, Jan Mayen, etc.

KNET 15 00:45:05.7-0.5, 42.05N-72.26E, h5km, 1km, ml2.3, Error ellipse: s-maj=2.7km s-min=2.4km az=122.0

NNC 15 00:45:05.8-0.1, 41.91N-71.84E, mpv2.9, Error ellipse: s-maj=61.2km s-min=0.8km az=51.0

ISC 15 00:45:04.9-1.1, 42.0N-0.1-72.04E, 0.04, h5km, n17, 0.098/24, 7C-8D, Kyrgyzstan

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

IDC 15 01:11:19.0-1.2, 70.93N-7.37W, mb3.3/4, mb1 3.6/8, mb1mx3.5/2.1, ML3.5/4, MS3.1/1, Ms1 3.2/1, ms1mx2.8/1.6, Error ellipse: s-maj=33.0km s-min=15.1km az=36.0

NAO 15 01:11:20.0-1.0, 71.35N-8.11W, ML2, 6
BER 15 01:11:20.4-1.6, 71.38N-8.67W, h15km, 30km, MD3, 2, ML3.4, ML2.6(NAO)
NEIC 15 01:11:20.2-0.4, 70.95N-7.38W, h10km, mb4.2/5, Error ellipse: s-maj=68km s-min=5.0km az=201.0

ISC 15 01:11:18.6-0.8, 70.85N-0.06-7.2W-0.1, h15km, 6km, n46, 0.128/58, mb3.7/3.4D, Jan Mayen Island region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Jan Mayen East, Jan Mayen West, etc.

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

BER 15 01:23:35.6-0.6, 71.16N-7.58W, h25km, 14km, MD2.9, ML3.6

ISC 15 01:23:35.0-1.8, 71.30N-0.07-8.0W-0.7, h10km, n5, 0.041/9, 1C-4D, Jan Mayen Island region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Jan Mayen West, Jan Mayen East, etc.

IDC 15 01:29:12.0-2.1, 6.53S: 130.57E, mb4.0/2, mb1 4.3/5, mb1mx4.0/1.3, ML4.1/3, Error ellipse: s-maj=75.4km s-min=25.1km az=74.0

NEIC 15 01:29:14.3-1.1, 6.57S: 130.58E, h15km, Error ellipse: s-maj=33.4km s-min=10.6km az=69.0

ISC 15 01:29:22.6-3.0, 7.00S: 0.09-130.5E-0.1, h120km, 33km, n7, 0.152/21, mb3.9/2, Tamibar Island region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Fitzroy Crossi, Tennant Creek, etc.

PRU 15 02:04:55.5, 51.44N: 116.11E
WAR 15 02:04:55.8, 51.45N: 116.07E, ML2.6, Mining Induced
ISC 15 02:04:55.8-1.6, 51.39N-0.07-15.94E-0.07, n9, 0.068/13, Poland

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









Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details for various radio stations.

BER 15 07:21:01.2.0.3, 71.12N x 7.36W, h17km, 2km, M2L2.6, 3D, Jan Mayen Island region

Table listing radio stations in the Jan Mayen Island region, including call signs, names, frequencies, and technical specifications.

NAO 15 07:22:26.4.2.7, 71.29N x 7.89W, M2L2.2

Table listing radio stations in the NAO region, including call signs, names, frequencies, and technical specifications.

Table listing radio stations in the NEIC region, including call signs, names, frequencies, and technical specifications.

NEIC 15 07:24:42.9.0.8, 6.97S, 125.68E, h492km, 12km, mb4.4/12, Error ellipse: s-maj=14.7km, s-min=6.8km, az=61.0

Table listing radio stations in the NEIC region, including call signs, names, frequencies, and technical specifications.

IDC 15 07:44:43.3.2.1, 7.08S, 129.00E, mb3.7/1, mb1 3.9/3, s-min=31.3km, az=67.0, Banda Sea

Table listing radio stations in the IDC region, including call signs, names, frequencies, and technical specifications.

NEIC 15 08:11:28.4, 38.33S, 176.10E, h281km, After WEL

Table listing radio stations in the NEIC region, including call signs, names, frequencies, and technical specifications.

SYO 15 08:19:48.3, 57.70S, 24.99W, h10km, MB4.2

Table listing radio stations in the SYO region, including call signs, names, frequencies, and technical specifications.

Table listing radio stations in the VNAZ region, including call signs, names, frequencies, and technical specifications.

ATH 15 08:23:08.3, 0.4, 23N, 19.80E, h6km, 4km, MD3.2/3

Table listing radio stations in the ATH region, including call signs, names, frequencies, and technical specifications.

JMA 15 08:38:30.3, 0.3, 44.17N x 147.77E, h82km, M3.5, Kuril Islands

Table listing radio stations in the JMA region, including call signs, names, frequencies, and technical specifications.

IDC 15 08:33:11.4, 8.5, 28.51N, 140.25E, h123km, 67km, MB2.7/2, mb1 3.6/5, mb1mx3.3/21, MS3.2/1, Ms1 3.2/1, ms1mx2.3/12

Table listing radio stations in the IDC region, including call signs, names, frequencies, and technical specifications.

NEIC 15 08:34:23.4, 1.5, 14.74S, 75.95W, h49km, 14km, mb3.7/4, Error ellipse: s-maj=21.6km, s-min=8.3km, az=59.0

Table listing radio stations in the NEIC region, including call signs, names, frequencies, and technical specifications.













Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like BGF Bois d'Angland, RJB Bois de Rejaudoux, BAIF Baives, etc.

IDC 15 15:05:06.8: 12.0, 20.17S, 177.87W, h506km, 123km, mb3.2/6, mb1.3/7, mb1mx3.1/16, Error ellipse: s-maj=87.1km s-min=35.5km az=32.0

NEIC 15 15:05:10.2: 5.8, 20.36S, 177.98W, h539km, 70km, mb4.2/1, Error ellipse: s-maj=39.1km s-min=27.7km az=193.0

ISC 15 15:05:06.8: 1.5, 20.25S, 0.2x178.1W, 0.2, h500km, n11, e0570/10, mb3.7/7, Fiji Islands region

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

BGR 15 15:14:59.0: 0.2, 47.55N, 8.73E, h10km, ML2.7/7, Error ellipse: s-maj=2.2km s-min=2.2km az=17.0

LDG 15 15:14:58.0: 0.1, 47.52N, 8.76E, h10km, Md3.0/1, M13.0/24, Error ellipse: s-maj=1.5km s-min=1.2km az=91.0

NEIC 15 15:14:58.7: 47.50N, 8.70E, h13km, ML3.3(VIE), ML3.0(LEDW), ML3.0(LDG), ML2.7(STR), ML2.7(ZUR), After ZUR.

NEIC Felt at Kloten, ZUR 15 15:14:58.7: 47.53N, 8.73E, h13km, ML2.7/9

LEDBW 15 15:14:59.0: 0.3, 47.54N, 8.72E, h12km, 2km, ML3.0, Error ellipse: s-maj=6.0km s-min=2.0km az=168.0

PRU 15 15:07:09, 47.73N, 9.14E, ISC 15 15:14:57.0: 0.2, 47.50N, 0.01, 8.66E, 0.01, h13km, n110, e1847/21, 11C-24D, Switzerland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like FLACH Flaach, FLACH 200nm, 0.2s, ZUR Zurich, etc.

Main table with columns: ZUR Zurich, TRULL Truellikon, WILA Wila, etc. Includes station codes, names, coordinates, and seismic data.

Table with columns: FUORN Ofenpass, SENIN Lac Senin, HDH Heidenheim, etc. Includes station codes, names, coordinates, and seismic data.



NEIC 15 17:16:56.0±0.5, 36.43S-97.25W, h10km, mb4.8/5, Error ellipse: s-maj=30.2km s-min=11.9km az=73.0  
 IDC 15 17:16:59.3±0.5, 35.56S-97.38W, mb4.2/7, mb1 4.4/7, mb1mx4.3/14, MS3.8/6, Ms1 3.8/6, ms1mx3.6/17, Error ellipse: s-maj=144.0km s-min=32.9km az=17.0  
 ISC 15 17:16:54.0±0.6, 36.55S, 0.1x97.3W, 0.3, h10km, n24, e097/19, mb4.3/12, MS3.8/6, 1C-2D, West Chile Rise

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
USHA	Ushuaia	26.93 142	LR	17 30 58.1	
LPZA	La Paz	32.77 60	P	17 30 33.0+0.4	
LPZA	La Paz	32.77 60	P	17 30 33.0+0.4	
LPZA	La Paz	32.77 60	P	17 30 33.0+0.4	
RUPC	Villa Florida	35.35 85	LR	17 35 40.1	
ROSC	El Rosal	46.42 32	LR	17 41 57.5	
BDFB	Brasilia	48.30 78	P	17 25 43.2+5.2	
BDFB	Brasilia	48.30 78	P	17 25 43.2+5.2	
VNA3	Neumayer Olymp	55.14 157	P	17 26 29.6+0.8	
VNA1	Neumayer-Stat	55.72 156	P	17 26 30.3+2.7	
VNA2	Neumayer-Watz	55.94 157	P	17 26 35.5+1.0	
VNDA	Vanda	55.94 157	LR	17 26 35.5+1.0	
SNA4	Sanae	57.16 158	eP	17 27 42.9-0.4	
LTX	Lajitas	65.78 354	eP	17 27 42.8+0.8	
TXAR	Lajitas Array	65.78 354	P	17 27 41.0-1.0	
JCT	Junction City	66.69 358	P	17 27 46.4-1.3	
PWV	Princeton	75.01 13	P	17 28 33.6-4.2	
TPH	Tonopah	76.48 344	eP	17 28 46.8+0.6	
NVAR	Mina Array Bea	77.07 343	P	17 28 49.9+0.5	
PDAR	Pinedale Array	79.67 351	P	17 29 03.5-0.2	
RSSD	Black Hills	80.50 355	eP	17 29 08.3+0.4	
HLID	Halley	81.22 347	eP	17 29 12.2+0.5	
CHMT	Chamberlain Mo	84.29 349	eP	17 29 28.8+1.4	
CHMT	Chamberlain Mo	84.29 349	eP	17 29 28.8+1.4	
ULM	Lac du Bonnet	86.40 1	P	17 29 37.1-0.8	
YKA	Yellowknife Ar	89.66 352	P	17 30 37.7-1.2	
MKAR	Makanchi Array	169.73 2	PKPab	17 38 17.1-0.4	

IDC 15 17:29:08.7±12.0, 36.85S-97.23W, mb4.1/4, mb1 4.5/4, mb1mx4.1/14, MS3.5/2, Ms1 3.4/2, ms1mx3.2/20, Error ellipse: s-maj=341.0km s-min=46.0km az=7.0  
 NEIC 15 17:29:12.9±0.7, 36.37S-97.09W, h10km, mb4.6/2, Error ellipse: s-maj=31.0km s-min=13.9km az=77.0  
 ISC 15 17:29:10.9±0.9, 36.45S, 0.1x97.2W, 0.3, h10km, n11, e027/9, mb4.2/5, MS3.5/2, 2C-1D, West Chile Rise

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
EFI	East Falkland	31.52 131	P	17 35 41.9+6.8	
LPZA	La Paz	32.64 60	P	17 35 45.4+0.2	
LPZA	La Paz	32.64 60	P	17 35 45.4+0.2	
LPZA	La Paz	32.64 60	P	17 35 45.4+0.2	
CUPF	Villa Florida	35.24 85	LR	17 48 05.2	
BDFB	Brasilia	48.18 78	LR	17 56 12.2	
VNA3	Neumayer Olymp	55.18 157	P	17 38 45.6+0.8	
VNA1	Neumayer-Stat	55.76 156	P	17 38 49.5-0.2	
VNA2	Neumayer-Watz	55.97 157	P	17 39 54.1+0.1	
TXAR	Lajitas Array	65.71 354	P	17 39 57.7-0.3	
NVAR	Mina Array Bea	77.02 343	P	17 41 06.1+0.5	
PDAR	Pinedale Array	79.63 351	P	17 41 19.6-0.3	

IDC 15 17:46:46.7±4.4, 13.14N-92.98E, mb3.2/2, mb1 3.4/3, mb1mx3.2/16, ML3.1/1, Error ellipse: s-maj=92.2km s-min=44.6km az=96.0, Andaman Islands region

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
CMAR	Chiang Mai Arr	7.80 47	Pn	17 48 40.5-3.9	
WRA	Warramunga Arr	52.32 128	P	17 56 00.3-2.5	
ASAR	Alice Springs	54.22 132	P	17 56 15.2-1.5	

MAN 15 17:47:05.6±1.4, 9.83N-126.04E, h22km, mb4.4, ML3.2, MS3.0  
 ISC 15 17:47:05.6±1.4, 9.86N, 0.05x126.05E, 0.08, h23km, 10km, n9, e08/1/16, 6C, Mindanao

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
SCPH	Surigao	0.56 262	iP	17 47 16.7+0.1	
SCPH	Surigao	0.56 262	iP	17 47 16.7+0.1	
BUTP	Butuan	0.98 206	eP	17 47 22.9-0.9	
ELUT	Elut	1.20 283	eP	17 47 27.3-0.0	
MSLP	Maasin	1.20 283	eP	17 47 27.3-0.0	
PLP	Palo	1.67 321	eP	17 47 33.4-0.6	
PLP	Palo	1.67 321	eP	17 47 33.4-0.6	
BESP	Borongon	1.83 341	eP	17 47 37.0+0.7	
BESP	Borongon	1.83 341	eP	17 47 37.0+0.7	
TBP	Tagbilaran	2.16 266	eP	17 47 40.8-0.7	
TBP	Tagbilaran	2.16 266	eP	17 47 40.8-0.7	
DCPH	Dipolog City	2.95 245	eP	17 47 51.2-1.1	
CNP	Cataman	2.96 333	eP	17 47 51.8-0.7	
CNP	Cataman	2.96 333	eP	17 47 51.8-0.7	
PAGZ	Pagadian	3.31 233	eP	17 47 58.5+1.2	

GII 15 17:49:07.5±0.2, 31.71N-35.50E, h15km, 1km, ML2.3/9, Mw2.6/6  
 NSSC 15 17:49:10.2±1.3, 31.96N-35.44E, h9km, 4km  
 ISC 15 17:49:06.9±0.7, 31.70N, 0.03x35.58E, 0.08, h17km, 8km, n20, e041/26, 3D, Dead Sea region

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
DRGI	Dragot	0.19 237	Pg	17 49 12.0+0.4	
DSI	Dead Sea	0.21 234	Pg	17 49 12.1+0.2	
MZDA	Masada	0.43 206	Pg	17 49 15.8+0.3	
YTRH	Yatir	0.52 230	Pg	17 49 17.0-0.0	
HMDT	Nahal Hemdat	0.55 355	Pg	17 49 17.9+0.2	
SLTI	Salit	0.71 320	Pg	17 49 20.0+0.4	
SLTI	Salit	0.71 320	Pg	17 49 20.0+0.4	
MASH	Mash'abade	0.97 224	Pg	17 49 25.2+0.3	
RTMM	Retamin	1.00 230	Pg	17 49 25.6+0.3	
TCHB	Talchebab	1.02 19	Pg	17 49 26.0+0.3	
TCHB	Talchebab	1.02 19	Pg	17 49 26.0+0.3	
OFER	Ofer	1.05 332	Pg	17 49 25.6-0.6	
SVTA	Shivta	1.12 227	Pg	17 49 27.3-0.1	
ZFRI	Zifri	1.19 197	Pg	17 49 28.5-0.0	
KZIT	Kziot	1.28 324	Pg	17 49 29.8-0.3	
KZIT	Kziot	1.28 324	Pg	17 49 29.8-0.3	
HNTH	Hanitha	1.43 346	Pn	17 49 32.1-0.1	
HNTH	Hanitha	1.43 346	Pn	17 49 32.1-0.1	
PRNI	Paran	1.43 200	Pn	17 49 32.0-0.2	
KSDI	Kefar Szold	1.49 3	Pn	17 49 33.1-0.0	
BRBR	Barbar	1.74 10	Pn	17 49 36.7-0.0	
BRBR	Barbar	1.74 10	Pn	17 49 36.7-0.0	
KMTI	Karmit	1.92 205	Pn	17 49 36.8-0.3	
QASN	Qassiunt	1.97 18	Pn	17 49 40.2+0.9	
QASN	Qassiunt	1.97 18	Pn	17 49 40.2+0.9	
MBH	Mount Berech	1.98 197	Pn	17 49 39.8-0.4	

NEIC 15 18:10:46.6±37.70S-177.25E, h18km, After WEL  
 WEL 15 18:10:46.7±0.2, 37.71S-177.24E, h116km, 1km, ML3.7/5, 2C, Error ellipse: s-maj=1.1km s-min=1.0km az=0.0, Off east coast of North Island

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
WIZ	White Island	0.18 347	Op	18 11 02.3-0.6	
MARZ	Manawaha	0.53 238	Pn	18 11 04.3-0.2	
MARZ	Manawaha	0.53 238	Pn	18 11 04.3-0.2	
EDRZ	Edgcombce	0.56 225	Pn	18 11 04.8+0.1	
EDRZ	Edgcombce	0.56 225	Pn	18 11 04.8+0.1	
MWZ	Matawai	0.67 160	Pn	18 11 05.4-0.1	
MWZ	Matawai	0.67 160	Pn	18 11 05.4-0.1	
MWZ	Matawai	0.67 160	Pn	18 11 05.4-0.1	
MWZ	Matawai	0.67 160	Pn	18 11 05.4-0.1	
LIHZ	Lichensteins R	0.74 246	Pn	18 11 05.9-0.2	
TGRZ	Tauranga	0.78 268	Pn	18 11 06.1-0.4	

IDC 15 18:12:13.2±2.0, 19.06S-169.17E, mb4.1/6, mb1 4.3/6, mb1mx4.2/13, MS3.5/4, Ms1 3.5/4, ms1mx3.1/17, Error ellipse: s-maj=47.0km s-min=37.3km az=63.0  
 NEIC 15 18:12:14.9±1.8, 19.08S-169.02E, h10km, mb3.9/1, Error ellipse: s-maj=34.9km s-min=20.2km az=95.0  
 ISC 15 18:12:19.3±2.1, 19.34S, 0.09x169.0E, 0.2, h51km, 13km, n14, e084/13, mb4.0/7, MS3.5/4, Vanuatu Islands

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
BKM	Butte a Klehm	1.79 338	Op	18 13 13.3-0.7	
DZM	Mont Dzumac	0.60 220	eP	18 13 13.3-0.7	
DZM	Mont Dzumac	0.60 220	eP	18 13 13.3-0.7	
NOUC	Port Laguerre	3.71 222	eP	18 13 15.8+0.3	
NOUC	Port Laguerre	3.71 222	eP	18 13 15.8+0.3	
CTA	Charters Tower	21.39 264	LR	18 22 52.0	
STKA	Stevens Creek	27.57 238	LR	18 27 55.3	
WRA	Warramunga Arr	32.58 263	P	18 18 48.0-0.2	
ASAR	Alice Springs	32.85 256	eP	18 18 50.6+0.1	
ASAR	Alice Springs	32.85 256	eP	18 18 50.6+0.1	
FITZ	Fitzroy Crossi	40.97 264	P	18 20 00.3+1.4	
VNDA	Vandana	58.33 192	P	18 22 11.7-0.7	
CM31	Chiang Mai Arr	78.30 294	eP	18 24 14.8-1.4	
CMAR	Chiang Mai Arr	78.30 294	P	18 24 16.6+0.4	
SOMN	Songino Array	87.14 323	P	18 25 00.0-0.9	
NVAR	Mina Array Bea	89.06 49	LR	18 58 03.2	

IDC 15 18:44:34.0±0.3, 7.77S-143.41E, mb3.6/3, mb1 4.0/5, mb1mx3.7/15, ML3.6/2, Error ellipse: s-maj=44.5km s-min=27.5km az=87.0  
 NEIC 15 18:44:36.2±1.1, 3.50S-143.38E, h45km, mb4.2/3, Error ellipse: s-maj=19.2km s-min=14.7km az=71.0  
 ISC 15 18:44:44.1±5.0, 4.25S, 0.2x143.6E, 0.2, h106km, 54km, n10, e033/11, mb3.6/4, New Guinea

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
PMG	Port Moresby	6.28 146	Op	18 46 15.9+0.3	
PMG	Port Moresby	6.28 146	Op	18 46 15.9+0.3	

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
WRAB	Tennant Creek	18.07 209	eP	18 48 49.9+0.2	
WB2	Warramunga Arr	18.07 209	eP	18 48 49.5-0.3	
WRA	Warramunga Arr	18.08 209	P	18 48 49.6-0.2	
ASAR	Alice Springs	21.51 205	P	18 49 26.6-0.7	
FITZ	Fitzroy Crossi	22.37 230	eP	18 49 33.7-0.5	
FITZ	Fitzroy Crossi	22.37 230	P	18 49 34.2-0.0	
ULN	Ulanbaatar	69.92 333	eP	18 54 39.9-8.2	
MKAR	Makanchi Array	73.95 321	P	18 55 09.8+0.1	
CHKZ	Chkalov	83.37 325	eP	18 57 00.4-0.2	

IDC 15 18:45:23.6±2.7, 72.79S-179.15W, mb3.7/2, mb1 4.3/4, mb1mx4.0/14, ML4.7/2, Error ellipse: s-maj=64.3km s-min=43.4km az=120.0  
 NEIC 15 18:45:54.0±3.0, 34.51S-178.96E, h170km, 18km, mb4.2/2, Error ellipse: s-maj=35.6km s-min=15.7km az=225.0  
 ISC 15 18:45:40.4±1.4, 33.68S, 0.08x180.0E, 0.1, h107km, 11km, n8, e159/47, mb4.0/4, 1C-2D, South of Kermadec Islands

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
MXZ	Matakaoa Point	4.11 199	Op	18 46 41.8-0.6	
PUZ	Puketiti	4.60 197	P	18 46 45.5+5.4	
PUZ	Puketiti	4.60 197	P	18 46 48.5-0.6	
KUZ	Kuaotunu	4.64 227	P	18 46 45.2+3.4	
MWZ	Matawai	5.05 202	P	18 46 54.9-0.3	
URZ	Urewera	5.13 206	P	18 48 01.4+8.5	
URZ	Urewera	5.13 206	P	18 48 01.4+8.5	
URZ	Urewera	5.13 206	P	1	



Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time Res, h m s, ISC. Includes stations like YANA, JORI, CAYR, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time Res, h m s, ISC. Includes stations like SMRF, MEZF, GIBF, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time Res, h m s, ISC. Includes stations like FINES, JOF, RES, etc.



IDC 15:20:07:01.3:4.5, 19.38S;169.61E, h50km;39km, mb5.1/21, mb1.5/22, mb1mx5.2/22, ML4.7/1, MS5.8/19, MS1.5/8/19, ms1mx5.8/20, Error ellipse: s-maj=16.3km s-min=13.9km az=23.0

ISC 15:20:06:54.3:0.1, 19.38S;0.03;169.61E;0.03, h101km, (h16km;1.8km;P-P), n723, r1901/308, mb5.7/104, MS6.0/145,79C-56P, Vanuatu Islands

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

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

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



PDAR	comp=Z,4.6nm,1.3s,baz=243,slow=3.3,SNR=4.1	PP	PP	20 24 18.6	-3.0
PDAR	comp=Z,0.4nm,0.7s,baz=117,slow=6.0,SNR=3.0	PKKbpc	LR	20 37 08.2	
PDAR	comp=Z,4.4um,20.7s,MS5.9,baz=295,slow=32	L	LR	20 58 24.2	
LTX	Lajitas 96.53 61	eP	P	20 20 27.8	+2.0
LTX	comp=Z,20nm,0.9s,mb5.5	L	LR		
TXAR	Lajitas Array 96.53 61	P	P	20 20 26.3	+0.6
TXAR	comp=Z,0.8nm,0.3s,mb4.6,baz=141,slow=45,SNR=4.1	LR	LR	20 56 57.1	
INK	Inuvik 96.57 18	P	P	20 20 24.3	-0.7
INK	comp=Z,8.3nm,1.0s,mb5.1,baz=226,slow=5.2,SNR=16	PP	PP	20 24 13.3	-8.5
INK	Inuvik 96.57 18	P	P	20 20 24.1	-0.9
INK	comp=Z,121nm,1.6s,mb6.1	P	P	20 20 27.5	+1.2
HYB	Hyderabad 96.59 286	iP	PP	20 24 20.0	-3.7
HYB		eSKS	SKS	20 31 04.0	-2.7
HYB		eS	S	20 31 48.0	+4.2
HYB	Hyderabad 96.59 286	iP	P	20 20 27.5	+1.2
HYB	Urumqi 97.55 314	iP	P	20 20 30.8	+0.8
WMQ		XP	sP	20 20 37.5	+3.3
WMQ		PP	PP	20 24 30.6	+0.3
WMQ		S	SKS	20 31 06.6	-4.6
WMQ		AMS	AMB	20 31 53.4	+2.1
WMQ	comp=Z,42nm,1.5s,mb5.8		AMB	AMB	
WMQ	comp=Z,170nm,12.0s		LR	LR	
WMQ	comp=N,2um,19.0s,MS5.7		LR	LR	
WMQ	comp=E,2um,20.0s,MS5.7		LR	LR	
SDCO	Great Sand Dun 97.72 53	PFAKE	LR	20 20 40.0	+9.1
SDCO	comp=Z,8um,21.0s,MS6.2		LR	LR	
EFI	East Falkland 97.92 152	PFAKE	LR	20 20 40.0	+8.6
EFI	comp=Z,4um,22.0s,MS5.8		LR	LR	
ISCO	Idaho Springs 98.28 51	PFAKE	LR	20 20 40.0	+6.6
ISCO	comp=Z,5um,21.0s,MS6.0		LR	LR	
MNGI	Mangalore 98.64 281	eP	P	20 20 33.4	-2.1
MNGI	comp=Z,4.1nm,1.9s,mb5.6				
DHD	Dharwar 99.24 283	ePdif	PP	20 24 01.9	
DHD		ePP	P	20 20 41.8	+3.5
DHD		eSKKS	P	20 31 53.1	
DHD		e	P	20 38 35.6	
DHD		e	P	20 55 39.4	
PAYG	Puerto Ayora 99.31 94	PFAKE	LR	20 20 50.0	+11
PAYG	comp=Z,2um,20.0s,MS5.6		LR	LR	
JCT	Junction City 100.07 61	PFAKE	LR	20 20 50.0	+8.2
JCT	comp=Z,8um,21.0s,MS6.2		LR	LR	
GOA	Goa 100.33 283f	e	PP	20 24 51.0	-1.1
YKA	Yellowknife Ar 100.63 27	P	P	20 20 43.7	+0.2
YKA	comp=Z,4.5nm,1.0s,baz=252,slow=4.4,SNR=19	PP	PP	20 24 47.4	-6.0
YKA	Yellowknife Ar 100.63 27	P	P	20 37 03.2	
YKA	comp=Z,0.1nm,0.6s,baz=67,slow=2.3,SNR=3.9	PP	PP	20 20 43.7	+0.2
YKA	Yellowknife Ar 100.63 27	P	P	20 24 47.4	-6.0
YKA	comp=Z,0.8nm,0.5s,baz=257,slow=5.2,SNR=6.6	PKKbpc	PP	20 37 03.2	
YKW3	Yellowknife Ar 100.65 27	ePdif	P	20 20 43.9	+0.3
RSSD	Black Hills 100.69 47	P	P	20 20 53.3	+9.1
RSSD	comp=Z,8.0nm,1.2s		MLR	MLR	
RSSD	Black Hills 100.69 47	ePdif	P	20 20 45.8	+1.6
RSSD	comp=Z,990nm,20.0s,MS5.3		PP	PP	
RSSD	Black Hills 100.69 47	ePdif	P	20 24 50.4	-4.0
RSSD	comp=Z,992nm,20.0s,MS5.3		PP	PP	
POO	Poona 101.19 286	eP	P	20 20 46.0	-1.0
WMOK	Wichita Mouna 102.06 57	PFAKE	LR	20 21 00.0	+9.3
WMOK	comp=Z,7um,20.0s,MS6.2		LR	LR	
MKAR	Makanchi Array 102.08 315	P	Pdif	20 20 50.0	-0.4
MKAR	comp=Z,4.3nm,0.6s,baz=96,slow=6.4,SNR=28	PP	PP	20 25 00.5	-4.0
ZAL	Zalesovo 102.44 323	P	P	20 20 51.2	-0.7
ZAL	comp=Z,3.8nm,1.1s,baz=101,slow=6.8,SNR=6.3	PP	PP	20 25 11.4	
ZAL	Zalesovo 102.44 323	iP	Pdif	20 20 51.1	+0.2
ZAL	comp=Z,0.9nm,0.5s,baz=282,slow=5.1,SNR=4.9	PKKbpc	P	20 20 52.0	-0.7
ZAL	Zalesovo 102.44 323	iP	P	20 20 51.0	+1.4
ZAL	comp=Z,1.0nm,0.5s		Pdif	Pdif	
ZAL	Zalesovo 102.44 323	PFAKE	LR	20 20 55.9	-0.9
HKT	Hockley 103.23 63	PFAKE	LR	20 25 16.7	
HKT	comp=Z,2um,20.0s,MS5.7		S	20 32 47.9	+6.5
NVS	Novosibirsk 103.56 324	iP	Pdif	20 20 55.9	-0.9
NVS	comp=Z,33nm,2.0s		Pmax	Pmax	
NVS	comp=N,11nm,1.6s		Pmax	Pmax	
NVS	comp=E,17nm,2.0s		Pmax	Pmax	
NVS	comp=Z,75nm,2.4s		Pmax	Pmax	
NVS	comp=N,13nm,2.0s		Pmax	Pmax	
NVS	comp=E,36nm,2.0s		smax	smax	
NVS	comp=E,164nm,3.6s		smax	smax	
NVS	comp=N,62nm,3.0s				
KURK	Kurchatov 105.36 319	ePKPdif	PP	20 25 16.1	
MIAR	Mourit Ida 106.18 59	ePKP	LR	20 25 22.4	
MIAR	comp=Z,9um,21.0s,MS6.3		PP	PP	
ULM	Lac du Bonnet 107.49 42	PP	PP	20 25 41.9	-3.3
ULM	comp=Z,1.1nm,0.6s,baz=254,slow=7.4,SNR=3.9	ePKPdif	PP	20 25 20.1	
ULM	Lac du Bonnet 107.49 42	ePKPdif	PP	20 25 20.1	
ULM	comp=Z,9um,19.0s,MS6.3		PP	PP	
NNA	Nana 107.52 110	PFAKE	LR	20 25 30.0	
NNA	comp=Z,2um,20.0s,MS5.7		LR	LR	
CCM	Cathedral Cave 108.72 55	PFAKE	LR	20 25 40.0	
CCM	comp=Z,2um,20.0s,MS5.6		LR	LR	
OXF	Oxford 109.54 59	PFAKE	LR	20 25 40.0	
OXF	comp=Z,8um,22.0s,MS6.3		LR	LR	
FCC	Fort Churchill 109.60 33	ePKP	PP	20 25 24.0	
JFWS	Jewell Farm 110.24 50	PFAKE	LR	20 25 40.0	+11
JFWS	comp=Z,11um,22.0s,MS6.4		LR	LR	
CHKZ	Chkalovo 110.66 321	PKIKP	PKPdif	20 25 28.6	-1.4
CHKZ	Chkalovo 110.66 321	ePKPdif	PKPdif	20 25 28.1	-1.8
PLAL	Pickwick Lake 110.71 59	PFAKE	LR	20 25 40.0	+9.4
PLAL	comp=Z,8um,20.0s,MS6.3		LR	LR	
BRVK	Borovyoye 110.81 320	ePKIKP	PKPdif	20 25 28.6	-1.7
WWT	Waverly 111.09 58	PFAKE	LR	20 25 40.0	+8.8
WWT	comp=Z,4um,20.0s,MS6.0		LR	LR	
LRL	Lakeview Retre 111.26 61	PFAKE	LR	20 25 40.0	+8.4
LRL	comp=Z,7um,21.0s,MS6.2		LR	LR	
WCI	Wyandotte Cave 112.60 56	PFAKE	LR	20 25 40.0	+5.9
WCI	comp=Z,6um,20.0s,MS6.2		LR	LR	
LPAZ	La Paz 113.08 118	PKKbpc	PP	20 26 35.4	
LPAZ	comp=Z,1.0nm,0.8s,baz=16,slow=14,SNR=3.6	PKIKP	PKPdif	20 25 34.7	-0.9
LPAZ	La Paz 113.08 118	MLR	MLR	20 25 33.4	-2.2
LPAZ	comp=Z,1um,19.0s		ePKPdif	ePKPdif	
LPAZ	La Paz 113.08 118	ePKPdif	ePKPdif	20 25 33.4	-2.2

LPAZ	comp=Z,1um,19.0s,MS5.4	LR	LR		
GOGA	Godfrey 114.24 61	PFAKE	LR	20 25 50.0	+13
GOGA	comp=Z,7um,20.0s,MS6.3		LR	LR	
AAM	Ann Arbor 115.01 52	PFAKE	LR	20 25 50.0	+11
AAM	comp=Z,7um,20.0s,MS6.3		LR	LR	
DWPF	Disney 115.18 67	PFAKE	LR	20 25 50.0	+11
DWPF	comp=Z,1um,20.0s,MS5.5		LR	LR	
ACSO	Alum Creek Sta 115.37 54	PFAKE	LR	20 25 50.0	+10
ACSO	comp=Z,7um,20.0s,MS6.2		LR	LR	
CPUP	Villa Florida 115.66 133	PKP	PKPdif	20 25 39.0	-1.4
CPUP	comp=Z,1.2nm,0.8s,baz=223,slow=2.9,SNR=2.0	PKKbpc	PP	20 36 15.7	
CPUP	Villa Florida 115.66 133	PKIKP	MLR	20 25 38.5	-1.9
CPUP	comp=Z,810nm,20.0s		PKP	PKPdif	
CPUP	Villa Florida 115.66 133	PKP	PKPdif	20 25 39.0	-1.4
CPUP	comp=Z,812nm,20.0s,MS5.3		PKP	PKPdif	
CPUP	Sverdlovsk 116.37 325f	iPKIKP	PKPdif	20 25 38.2	-2.9
CPUP		e	e	20 36 29.0	
CPUP		e	e	20 43 00.0	
CPUP		e	e	20 47 13.0	
CPUP	comp=Z,40nm,2.0s		Pmax	Pmax	
NHSC	New Hope 116.94 62	PFAKE	LR	20 25 50.0	+7.2
NHSC	comp=Z,8um,22.0s,MS6.3		LR	LR	
ARU	Arti 117.55 324	iPKIKP	PKPdif	20 25 41.1	-2.2
ARU	comp=N,2um,20.0s,MS6.0		MLR	MLR	
ARU	comp=E,3um,20.0s,MS6.0		MLR	MLR	
ARU	comp=Z,3um,20.0s,MS6.0		MLR	MLR	
ARU	Arti 117.55 324	ePKPdif	LR	20 25 40.0	-3.1
ARU	comp=Z,3um,20.0s,MS6.0		MLR	MLR	
ERPA	Erie 117.72 52	PFAKE	LR	20 25 50.0	+6.0
ERPA	comp=Z,7um,19.0s,MS6.3		LR	LR	
MCWV	Mont Chateau 117.74 55	PFAKE	LR	20 25 50.0	+5.9
MCWV	comp=Z,7um,20.0s,MS6.3		LR	LR	
SSPA	Standing Stone 119.27 54	PFAKE	LR	20 26 00.0	+13
SSPA	comp=Z,6um,20.0s,MS6.2		LR	LR	
KBS	Kingsbay 119.50 355	ePP	PP	20 27 04.2	-5.9
KBS	comp=Z,5um,23.0s	eSS	SS	20 36 56.9	
KBS		AMS	AMS	20 43 28.2	-1.5
KBS		AMS	AMS	21 08 07.5	
KBS	Kingsbay 119.50 355	PFAKE	LR	20 26 00.0	+13
KBS	comp=Z,2um,24.0s,MS5.6		LR	LR	
CBN	Corbin 119.60 57	PFAKE	LR	20 26 00.0	+12
CBN	comp=Z,2um,20.0s,MS5.7		LR	LR	
SUR	Sutherland 120.50 211	ePKPdif	PKPdif	20 25 49.4	-0.3
SUR	comp=Z,6um,21.0s,MS6.2		PKPdif	PKPdif	
BINY	Binghamton 120.70 52	PFAKE	LR	20 26 00.0	+10
BINY	comp=Z,8um,21.0s,MS6.3		LR	LR	
FRB	Frobisher Bay 121.13 26	PKP	PKPdif	20 25 46.8	-3.3
FRB	comp=Z,4.2nm,0.8s,baz=217,slow=2.3,SNR=4.8	PP	PP	20 27 19.1	-2.1
FRB	comp=Z,5.3nm,0.8s,baz=309,slow=5.6,SNR=4.1	PP	PP	20 27 19.1	-2.1
NCB	Newcomb 121.92 50	ePKPdif	PKPdif	20 25 46.0	-6.1
NCB	comp=Z,12um,19.0s,MS6.6		PKPdif	PKPdif	
DAG	Danmarks Havn 122.42 2f	iP	PKPdif	20 25 49.5	-2.8
DAG	comp=Z,7.8nm,1.2s		PKPdif	PKPdif	
DAG	Danmarks Havn 122.42 2f	ePKIKP	PKPdif	20 25 49.5	-2.8
DAG	comp=Z,8.0nm,1.2s		MLR	MLR	
DAG	comp=Z,6um,23.0s,MS6.1		MLR	MLR	
BJO	Bjornoya 122.57 351	ePP	PP	20 27 27.2	-4.0
BJO	AMS	AMS	AMS	21 24 54.3	
LBNH	Lisbon 123.55 49	PFAKE	LR	20 26 00.0	+4.7
LBNH	comp=Z,10um,22.0s,MS6.4		LR	LR	
LBTB	Lobate 123.67 220	PKIKP	PKPdif	20 25 53.5	-2.5
LBTB	comp=Z,3um,21.0s,MS6.0		PKPdif	PKPdif	
LBTB	Lobate 123.67 220	ePKPdif	LR	20 25 53.3	-2.7
LBTB	comp=Z,3um,21.0s,MS6.0		PKPdif	PKPdif	
LVZ	Lovozero 123.90 341	ePKIKP	PKPdif	20 25 54.5	-0.9
LVZ	comp=Z,5.2nm,0.8s,baz=330,slow=1.3,SNR=12	eSS	SSS	20 44 24.8	-1.4
LVZ		eSSS	SSS	20 48 57.2	-5.6
LVZ	comp=Z,2um,15.0s,MS6.0		MLR	MLR	
HRV	Harvard-Oak R 123.97 51	PFAKE	LR	20 26 10.0	+14
HRV	comp=Z,2um,17.0s,MS5.9		LR	LR	
HRV	comp=Z,761nm,19.0s,MS5.4		PKPdif	PKPdif	
APA	Apatity 124.48 341f	iPKIKP	PKPdif	20 25 56.2	-0.3
APA		iP	PS	20 27 38.0	
APA		ePPS	PPS	20 37 41.0	+2.4
APA		eSSS	SSS	20 39 11.0	+1.8
APA		ePmax	Pmax	20 49 03.0	-8.5
APA	comp=N,500nm,6.0s		Pmax	Pmax	
APA	comp=E,600nm,6.0s		MLR	MLR	
APA	comp=Z,2um,21.0s,MS5.8		PKPdif	PKPdif	
HASS	Wahat al Ahsa' 124.48 288	P	PKPdif	20 25 56.1	-1.5
HASS	Schefferville 124.81 36	PKP	PKPdif	20 25 53.9	-3.5
HASS	comp=Z,6.8nm,0.9s,baz=308,slow=3.4,SNR=7.4	ePKPdif	PKPdif	20 25 53.7	-3.7
SCHO	Schefferville 124.81 36	ePKPdif	PKPdif	20 25 53.7	-3.7
SCHO	comp=Z,20um,20.0s,MS6.8		PKP	PKPdif	
ARCES	ARCCESS Array B 125.29 345	PKP	PKPdif	20 25 54.8	-3.2
ARCES	comp=Z,5.2nm,0.8s,baz=330,slow=1.3,SNR=12	ePKPdif	PKPdif	20 25 56.0	-2.5
PECR	Pechory 125.42 326	ePKPdif	PKPdif	20 25 56.0	-2.5
PECR	comp=Z,4um,25.0s,MS6.0		MLR	MLR	
PECR	comp=N,2um,18.0s		MLR	MLR	
PECR	comp=E,2um,18.0s		MLR	MLR	
MAK	Makhachkala 126				

15d 20h

Table with columns for station name, frequency, power, and other technical details. Includes stations like MBH Mount Berech, HAQS Haql, KIS Kishinev, etc.

15d 20h 2007 APR

Table with columns for station name, frequency, power, and other technical details. Includes stations like GERES GERESS Array B, WTSB Wintersjygg, HPO Haverah Park, etc.

15d 20h 2007 APR

Table with columns for station name, frequency, power, and other technical details. Includes stations like LDF La Druitiere, BOB Bobbio (Colli), LOR Lormes, etc.

15d 20h 2007 APR 19.7575 169.42E, mb4.3/6, mb1 4.5/7, Error ellipse: s-maj=37.5km

NEIC 15d 20h 2007 APR 19.695S 169.61E, h10km, mb4.7/3, Error ellipse: s-maj=24.4km s-min=22.3km az=99.0

ISC 15d 20h 2007 APR 19.4S-10.1E, h10km, mb2.0, h10km, n18, s105/16, mb4.4/9, 1C-1D, Vanuatu Islands

Table with columns for station name, frequency, power, and other technical details. Includes stations like NOC Port Laguerre, URZ Ure, RPZ Rata Peaks, etc.







Table with columns: Name, RA, Dec, Mag, Type, and other parameters. Includes entries like Weaver Farm, Sisk, Penmaenmawr, etc.

Table with columns: Name, RA, Dec, Mag, Type, and other parameters. Includes entries like Sta Anna Valdi, Imperia, Saint Agoulin, etc.

Table with columns: Name, RA, Dec, Mag, Type, and other parameters. Includes entries like IDC 15 20:47:14.1, NEIC 15 20:47:15.5, etc.



Table with columns: Code, Station Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like Muntele Rosu, Lusaka, Joensuu, etc.

Table with columns: Code, Station Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like La Frestelle, La Druitiere, Syowa Base, etc.

Table with columns: Code, Station Name, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like RDF, UMR, Umm Al-Rimmam, etc.











M4.3/6, Error ellipse: s-maj=26.6km s-min=3.6km az=124.0
HRVD 15 22:34:10.2-0.9, 19.02S:169.87E, h25km,2km, MW5.0/25, Centroid moment Tensor Solution. LP body waves: s8,c8; Mantle waves: s2s,c28; Half duration: 0 Moment tensor: Scale 1016Nm; M1r-4.50; 77; Mw0.88; 56; Mw3.62; 74; Mw2.56; 60; Mw0.34; 40; Mw0.07; 71; Best double couple: M4.61x1016 NP1.91; 845; 1.59; NP2: 0.331; 652; 1.118; Principal axes: T 3.69, Plg47; Azm80; N 1.83, Plg21; Azm348; P -5.52, Plg68; Azm179; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 15 22:34:10.2-0.7, 19.31S:169.53E, h10km, mb4.8/12, MS4.7/2 Error ellipse: s-maj=14.6km s-min=13.8km az=208.0

ISC 15 22:34:12.5-1.7, 19.52S:0.07-169.5E, 0.1, h33km, 13km, n45, r131/38, mb4.5/19, 3C-1D, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like Butte a Klehm, DZM, ZM, etc.

ZUR 15 22:41:45.9, 45.76N, 6.97E, h6km, ML1.8/7 LDG 15 22:41:46.0-0.1, 45.71N, 6.95E, h5km, ML2.6/25, Error ellipse: s-maj=1.8km s-min=1.0km az=97.0

NEIC 15 22:41:46.4, 45.76N, 6.82E, h5km, ML2.6(LDG), ML2.7(STR), ML2.8(GEN), After STR.

ISC 15 22:41:43.8-0.2, 45.72N, 6.84E, 0.02, h5km, n61, r123/115, 4C-6D, France

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like LPL, LAG, LAG, etc.

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

NEIC 15 22:43:04.9-4.1, 27.12S:178.26W, h269km, 34km, Error ellipse: s-maj=93.7km s-min=33.4km az=105.0

ISC 15 22:40:20.7-1.9, 33.33S:0.2-179.6E, 0.3, h359km, 15km, n38, r102/41, 4C, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like MXZ, MXZ, PUZ, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like MKZ, MKZ, TUMR, etc.

IDC 15 22:51:03.5-0.6, 27.34N:140.72E, h371km, 11km, mb3.4/7, mb1.3/5.8, mb1mx3.2/20, Error ellipse: s-maj=42.1km s-min=11.1km az=77.0

JMA 15 22:51:07.4-0.2, 27.73N:141.02E, h353km, M4.0, 4.0km, 0.3, 0.27, 40M, 0.09, 140.7E, 0.3, h378km, 11km, n26, r117/31, mb3.4/9, 1D, Bonin Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like CBIJ, CBIJ, JHHJ, etc.

IDC 15 22:52:26.2-1.7, 0.3S:128.17E, mb3.3/1, mb1.3/3.7, mb1mx3.4/11, ML3.1/2, Error ellipse: s-maj=131.0km s-min=32.0km az=65.0, Banda Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like WRA, WRA, ASAR, etc.

BUI 15 23:02:08.2, 8.61N:93.77E, h22km, mb5.1, mb4.8, Ms4.7, Ms2.5

HRVD 15 23:02:10.0-0.5, 8.85N-94.15E, h18km, 3km, MW5.0/48, Centroid moment Tensor Solution. LP body waves: s2,c2; Mantle waves: s48,c73; Half duration: 0 Moment tensor: Scale 1016Nm; M1r-1.57; 31; Mw-1.14; 15; Mw2.70; 25; Mw-2.26; 69; Mw1.75; 15; Mw-1.33; 49; Best double couple: M3.9x1016 NP1.9; 163; 840; 1.156; NP2.9; 54; 875; 1.433; Principal axes: T 4.19, Plg21; Azm177; N 1.55, Plg36; Azm223; P -3.63, Plg47; Azm33; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

SYO 15 23:02:10.8, 8.84N:93.92E, h10km, mb4.9/34, Error ellipse: s-maj=6.9km s-min=5.7km az=63.0

MOS 15 23:02:11.1, 0.0-0.2, 8.84N:93.92E, h10km, mb4.9/34, Error ellipse: s-maj=17.3km s-min=7.2km az=112.1

IDC 15 23:02:12.6-0.6, 8.83N-94.00E, h28km, 3km, mb4.2/17, mb1.4/3/18, mb1mx4.2/21, ML4.8/1, MS4.2/11, Ms4.1/3/11, ms1mx0.2/4, Error ellipse: s-maj=22.8km s-min=11.3km az=59.0

ISC 15 23:02:13.1-1.2, 8.81N-0.04-93.96E, 0.03, h30km, 3km, h32km, 1, 3km, pp-P, n186, r099/189, mb4.8/79, MS4.3/22, 5C-5D, Nicobar Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like NHT, NHT, NST, etc.

KRSK 15 22:49:23.6-0.3, 54.77N:160.92E, h125km, 3km, ML3.8,



15d 23h

Table with columns: GRF, Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like NORRAR Subarra, NORRAR Array B, etc.

BUI 15 23:14:17.8, 8.69N, 93.84E, h23km, mb4.5, Ms4.7, Msz4.2
NEIC 15 23:14:19.2, 0.4, 8.87N, 93.96E, h10km, mb4.6/13, Error ellipse: s-maj=1.2km s-min=6.9km az=65.0

IDC 15 23:14:21.1, 0.7, 8.89N, 94.06E, h24km, mb3.8, Ms3.8/13,
ms1 3.9/14, mb1mx3.9/19, ML4.3/1, MS3.8/1, Ms1.4/0.1,
ms1mx3.9/20, Error ellipse: s-maj=33.0km s-min=12.3km az=59.0

ISC 15 23:14:19.0, 0.6, 8.78N, 0.07, 93.95E, 0.07, h26km,
h26km, 7km, pP-P, n53, d0885/53, mb4.3/30, 1C-1D,

Nicobar Islands region

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

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Table with columns: NAY, Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like Al-Naaiem, Mutribah, Umm Al-Ruwaisa, etc.

NAO 15 23:26:57.0, 2.6, 67.80N, 20.66E, ML2.0
BER 15 23:26:58.5, 3.6, 67.82N, 20.46E, ML2.0(NAO),

ISC 15 23:28:53.0, 0.7, 67.70N, 0.05, 20.6E, 0.1, n6, c1F02/9,

Table with columns: Code, Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like KTK1, ARA0, ARA0, etc.

IDC 15 23:30:17.6, 2.7, 11.71N, 86.34W, h77km, 19km, mb3.9/8,
mb1 3.9/8, mb1mx3.7/19, Error ellipse: s-maj=28.9km

CASC 15 23:30:18.4, 0.3, 1.9, 11.53N, 86.49W, h58km, 13km, MD4.2,
ML5.1, mb4.4(NEIC),

NEIC 15 23:30:18.4, 0.3, 1.9, 11.53N, 86.49W, h87km, 3km, mb4.4/5,
MD4.2(CASC), Error ellipse: s-maj=10.4km s-min=3.7km az=54.0

ISC 15 23:30:17.5, 0.2, 11.63N, 0.04, 86.39W, 0.03, h87km, 3km,
n92, d0998/121, mb4.2/14, 24C-27D, Near coast of

Nicaragua

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

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Table with columns: ICR, Station Name, Time, Res, Phase ID, ISC, h, m, s, ISC. Includes stations like Volcan Irazu, La Lucha 2, San Vicente, etc.

BUI 15 23:32:17.8, 8.64N, 93.89E, h26km, mb4.8, mb4.6, Ms4.4, Ms4.1,

NEIC 15 23:32:19.1, 0.3, 8.85N, 93.98E, h10km, MB4.8

IDC 15 23:32:20.7, 0.7, 8.78N, 93.94E, h24km, 3km, mb4.0/13,
mb1 4.2/14, mb1mx4.1/20, ML4.5/1, MS4.1/12, Ms1.4/0.1/12,
ms1mx3.9/23, Error ellipse: s-maj=32.4km s-min=12.6km az=59.0

ISC 15 23:32:20.7, 1.3, 8.81N, 0.06, 94.05E, 0.05, h37km, 10km,
h25km, 2.4km, pP-P, n115, d1900/110, mb4.6/44, MS4.1/15,

3C-4D, Nicobar Islands region

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















16d 2h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BLA, WMOK, WVT, MNTX, MIAR, MYNC, PLAL, OXF, GOGA, NHSC, LRAL, TXAR, JCT, HKT, BDFB, DWPF, MTP, HJMP, SJG, MGP, CPUP, PCRV, LPAZ, LPZ, NNA, NNA.

CASC 16:02:06:53.7-1.9, 14.29N-91.69W, h70km, 14km, MD3.8, ML3.6, 3C-2D, Guatemala

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FUG, TER, POG, PCG, IXG, IXP, CUSS, RBDL, RTR, SBL, SNJE, BOQS, LFU, LCVS, SNVI.

IDC 16:02:12:34.7-1.0, 8.66N-93.82E, h26km, 4km, mb3.7/8, s-maj=46.8km s-min=19.2km az=53.0

NEIC 16:02:12:36.2-0.9, 8.91N-93.92E, mb4.1/1, Error ellipse: s-maj=22.3km s-min=17.0km az=71.0

ISC 16:02:12:33.4-1.0, 8.8N-101.93E, 0.2, h27km, h27km, 1.4km, p-P, n14, c=77/12, mb3.8/8, Nicobar Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMAR, LSA, MKAR, ZAL, BVAR, CHZK, WRA, WRA, ASAR, FINES, ARCES, GERES, HFS, HFS, NOA, NOA.

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WEL 16:02:14:09.6-0.3, 38.66S-178.57E, h23km, 1km, ML3.6/5, 3C-1D, Error ellipse: s-maj=2.3km s-min=0.9km az=90.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PUK, KOK, MWZ, MXZ, BKZ, TUZ, NGZ, CNZ, FWZ, TSZ, HIZ, MRZ, MTW, THZ, KHZ, MQZ.

IDC 16:02:17:39.9-1.2, 8.87N-93.74E, h26km, 4km, mb3.4/7, mb1.3/8, mb1mx3.5/17, ML4.1/1, Error ellipse: s-maj=38.4km s-min=21.7km az=58.0

NEIC 16:02:17:41.0-0.9, 9.00N-93.77E, Error ellipse: s-maj=23.2km s-min=17.2km az=68.0

ISC 16:02:17:38.3-1.2, 8.9N-102.93E, 0.2, h27km, h27km, 1.8km, p-P, n62, c=98/49, mb3.5/7, Nicobar Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMAR, MKAR, MKAR, SONM, ZAL, ZAL, BVAR, CHZK, WRA, ARCES, ARCES, GERES, GERES, NOA, NOA, LPGA, LPGA, LPGA, ILAR, ILAR, INK, INK, TXAR, CPUP, CPUP.

BUI 16:02:18:27.9-0.8, 7.0N-93.79E, h39km, mb4.7, IDC 16:02:18:29.6-0.6, 8.85N-93.99E, h26km, 3km, mb3.9/13, mb1.4/0, 14, mb1mx4.0/19, ML4.4/1, Error ellipse: s-maj=26.7km s-min=11.8km az=63.0

MOS 16:02:18:30.3-0.4, 9.12N-93.79E, h31km, mb4.4/5, Error ellipse: s-maj=35.4km s-min=13.3km az=98.1

NEIC 16:02:18:30.2-0.3, 8.88N-93.94E, mb4.7/11, Error ellipse: s-maj=10.1km s-min=5.5km az=64.0

ISC 16:02:18:27.8-0.5, 8.82N-107.93E, 0.1, h27km, h27km, 0.9km, p-P, n62, c=98/59, mb4.3/25, Nicobar Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CM31, CMAR, SHL, PKI, PKI, PKI, GUN, GUN, GUN, DMN, DMN, DMN, KKN, KKN, KKN, LSA, LSA, GKN, GKN, KOLN, KOLN, DANN, DANN, DANN, BJI, BJI.

comp=Z, 1.4nm, 1.2s, mb4.7, 39.13 347 P P 02 25 54.8 0.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MKAR, MKAR, SONM, SONM, SONM, SONM, KURK, KURK, KURK, KURK, KURK, KURK, ZAL, ZAL, ZAL.

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comp=Z, 5.8nm, 0.7s, baz=215, slow=5.6, SNR=8.4, MUN Mundaring 45.80 153 eP P 02 26 58.1 +8.7

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KLBR, NVS, NVS, NVAO, NVAO, NVAO, VOSK, VOSK, BVAR, BVAR, BVAR, CHZK, CHZK, CHZK, WRA, WRA, WRA, ASAR, ASAR, ASAR, ARU, ARU, FINES, FINES, FINES, ARCES, ARCES, ARCES, ARCES, GERES, GERES, NB2, NB2, NOA, NOA, NOA, NOA, LPGA, LPGA, LPGA, ILAR, ILAR, ILAR, INK, INK, INK, TXAR, TXAR, CPUP, CPUP, CPUP.

comp=Z, 1.3nm, 0.9s, baz=304, slow=4.0, SNR=6.3, ARU Art 71.90 337 P P 02 27 57.6 -1.2

comp=Z, 1.2nm, 0.8s, mb4.0, baz=198, slow=4.6, SNR=2.5, FINES FINES Array B 58.53 32 P P 02 29 49.1 -0.7

comp=Z, 1.2nm, 0.6s, mb4.0, baz=90, slow=7.6, SNR=7.8, FINES FINES Array B 71.80 332 P P 02 29 49.1 -0.6

comp=Z, 1.6nm, 0.8s, baz=104, slow=1.7, SNR=6.3, ARCES ARCES Array B 74.32 340 P P 02 30 13.0 +1.2

comp=Z, 1.7nm, 0.8s, mb4.0, baz=135, slow=1.7, SNR=5.4, ARCES ARCES Array B 74.32 340 P P 02 30 13.0 +1.2

comp=Z, 1.3nm, 0.8s, baz=102, slow=6.0, SNR=1.6, ARCES ARCES Array B 74.32 340 P P 02 30 04.1 -0.2

comp=Z, 1.0nm, 0.6s, mb3.9, baz=79, slow=6.8, SNR=9.5, GERES GERES Array B 77.00 318 P P 02 30 20.4 +0.4

comp=Z, 1.4nm, 0.7s, baz=135, slow=1.9, SNR=6.3, NB2 NORARS Subarra 78.82 331 P P 02 30 29.2 -0.5

comp=Z, 0.8nm, 0.6s, mb3.8, baz=94, slow=5.0, NOA NORARS Array B 78.82 331 P P 02 30 29.3 -0.5

comp=Z, 0.8nm, 0.6s, mb3.8, baz=92, slow=5.5, SNR=4.4, NOA NORARS Array B 78.82 331 P P 02 30 38.6 +0.2

comp=Z, 0.7nm, 0.7s, baz=92, slow=5.5, SNR=2.3, NOA NORARS Array B 78.82 331 P P 02 30 39.3 -0.5

comp=Z, 1.3nm, 0.9s, mb4.5, SNR=5.4, LPGA La Plagne 81.83 315 eP P 02 30 46.5 +0.5

comp=Z, 0.8nm, 0.8s, mb4.0, SNR=3.1, BPL Montbardonn 81.87 314 eP P 02 30 46.8 +0.5

comp=Z, 0.5nm, 0.8s, mb4.0, baz=298, slow=3.6, SNR=5.3, SMF Signal de Mont 83.74 316 eP P 02 31 55.0 -0.9

comp=Z, 0.5nm, 0.8s, mb4.0, baz=298, slow=3.6, SNR=5.3, ILAR Eielson Array 93.94 22 P P 02 31 45.0 +1.9

comp=Z, 0.2nm, 0.7s, baz=324, slow=5.3, SNR=2.2, ILAR Inuvik 96.14 16 P P 02 31 54.3 +0.2

comp=Z, 1.0nm, 0.8s, mb4.3, baz=232, slow=4.1, SNR=4.1, INK Inuvik 96.14 16 P P 02 31 07.1 -1.1

comp=Z, 3.0nm, 1.2s, baz=223, slow=4.9, SNR=2.7, INK Lajitas Array 138.44 23 pPKP P 02 38 04.8

comp=Z, 0.1nm, 0.5s, baz=331, slow=0.3, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 1.1nm, 0.8s, baz=233, slow=6.3, SNR=3.1, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 21.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

comp=Z, 0.2nm, 0.9s, 0.6s, baz=107, slow=7.9, SNR=2.2, CPUP Villa Florida 147.63 234 PKPbc PKP P 02 38 12.6 -0.2

IDC 16 02:49:58.5, 1.8, 28.11N-54.21E, mb3.8/12, mb1 4.0/12, mb1mx3.9/20, Error ellipse: s-maj=42.5km s-min=23.3km az=4.0

NEIC 16 02:50:05.3, 1.1, 28.18N-54.18E, h50km, Error ellipse: s-maj=28.1km s-min=16.2km az=191.0

THR 16 02:50:07.0, 1.2, 28.70N-54.50E, MD3.9

ISC 16 02:50:03.4, 1.5, 28.40N-05.53, 77E, 0.10, h41km, 15km, n40, +192/42, mb3.7/12, Southern Iran

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

NEIC 16 02:51:17.4, 17.61N-101.41W, h26km, MD3.8(MEX), After MEX.

MEX 16 02:51:12.7, 0.7, 17.52N-101.82W, h6km, 5km, MD3.9, 2D, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists seismic stations for Guerrero region.

JMA 16 03:07:28.1, 34.97N-135.53E, h13km, M3.6 Broadband fault plane solution: P waves. Principal axes: T P49, N P2, 234, 866, 134, NP1 axes: T P49, Azm192, N P39, Azm32, P P10, Azm294.

JMA 16 03:07:27.8, 0.6, 34.97N-0.03, 135.53E, 0.04, h11km, 5km, n10, +030/20, 2C-6D, Near south coast of western Honshu

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists seismic stations for Honshu region.

GUC 16 03:12:32.0, 0.6, 28.03S-70.61W, h81km, 4km, MD4.3, ML4.6

SYO 16 03:12:32.5, 27.90S-71.25W, h32km, MB4.6

NEIC 16 03:12:32.5, 0.3, 27.90S-71.25W, mb4.6, 5km, ML4.6(GUC), Error ellipse: s-maj=9.7km s-min=4.9km az=85.0

IDC 16 03:12:32.4, 0.7, 27.95S-71.18W, h29km, 4km, mb4.1/9, s-maj=27.5km s-min=19.1km az=67.0

ISC 16 03:12:32.1, 1.1, 27.87S-03.71, 27W, 0.09, h28km, 9km, h30km, 1.1km, pp-P, n55, +191/55, mb4.5/17, 1C-5D, Near coast of northern Chile

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists seismic stations for Chile region.

comp=N, 7um, 0.3s TLL Tololo Astrono 2.33 170 eP Pn 03 13 08.8 +1.4

OVCH Ovalle 2.73 179 eP S 03 13 12.8 -0.4

CMCH Combarbala 3.03 176 eP S 03 13 20.6 -0.7

CPN1 Cerro Paranal 3.32 14 eP S 03 13 20.3 -1.3

comp=E, 2um, 0.6s ILCH Illapel 3.75 179 eP Pn 03 13 27.1 -0.6

ILCH Illapel 3.75 179 eP S 03 14 08.1 -3.4

PEL Peldehue 5.28 175 eP S 03 13 46.8 -2.6

MDZ Mendoza 5.42 158 eP S 03 13 54.4 +3.1

MDZ Mendoza 5.42 158 eP S 03 14 16.7 -0.5

FLCH Farellones 5.50 171 eP S 03 15 13.1 +2.1

FLCH Cerro Calan 5.54 174 eP S 03 14 49.3 -6.3

CLCH Las Melosas 6.03 172 eP S 03 13 50.7 -0.2

ARE Arequipa 11.36 359 eP S 03 15 04.0 -10

LPAZ La Paz 11.89 15 eP P 03 15 18.3 -2.7

LPAZ La Paz 11.89 15 eP P 03 15 18.2 -2.8

Villa Florida 12.52 86 eP P 03 15 27.5 -1.9

CPUP Villa Florida 12.52 86 eP P 03 15 30.3 +0.9

BDFB Brasilia 24.74 65 eP P 03 17 50.8 0.0

USHA Ushuaia 27.02 176 eP P 03 18 11.7 +0.1

VNA3 Neumayer Olymp 54.82 160 eP P 03 22 00.7 +1.1

VNA1 Neumayer-Stat 55.09 159 eP P 03 22 01.9 +0.3

VNA2 Neumayer-Watz 55.19 159 eP P 03 22 04.7 +0.6

SNA4 Sanae 57.04 159 eP P 03 22 15.1 -0.5

GSPA South Pole Qui 62.35 180 eP P 03 22 52.3 +0.3

JCT Junction City 64.10 333 eP P 03 23 04.5 +0.2

PLAL Pickwick Lake 64.50 345 eP P 03 23 07.7 -1.1

TXAR Lajitas Array 64.78 329 eP P 03 23 13.9 -1.6

TXAR Lajitas Array 64.78 329 eP P 03 23 09.1 +0.4

TXAR Lajitas Array 64.78 329 eP P 03 23 09.1 +0.4

WVW Waverly 65.54 345 eP P 03 23 12.3 -1.2

FVM French Village 67.92 344 eP P 03 23 28.0 -0.6

SYO Syowa Base 71.33 159 eP P 03 23 35.8 -1.3

LIC Lamto 72.27 73 eP P 03 23 55.2 -0.2

KIC Kusan Boka 72.50 72 eP P 03 23 57.6 0.0

SDCO Great Sand Dun 72.73 332 eP P 03 23 58.9 +1.1

HWUT Hardware Ranch 75.33 330 eP P 03 24 31.5 +0.9

PDAR Pinedale Array 78.63 332 eP P 03 24 32.2 +1.1

PDAR Pinedale Array 78.63 332 eP P 03 24 42.4 +2.5

PDAR Pinedale Array 78.63 332 eP P 03 24 32.2 +1.1

PDAR Pinedale Array 78.63 332 eP P 03 24 42.4 +2.5

MAW Mawson 78.86 164 eP P 03 24 32.2 +0.5

NVAR Mina Array Base 79.28 324 eP P 03 24 35.9 +1.2

ULM Lac du Bonnet 80.78 344 eP P 03 24 42.6 +0.2

HLID Halley 81.36 330 eP P 03 24 47.4 +1.8

SCHO Schefferville 82.45 3 eP P 03 24 51.2 +0.2

VKOR Wild Horse Val 82.45 327 eP P 03 24 51.7 +0.4

YKA Yellowknife Ar 96.48 341 eP P 03 25 57.8 +0.1

YKA Yellowknife Ar 96.48 341 eP P 03 25 57.8 +0.1

ASAR Alice Springs 123.30 208 eP P 03 26 07.6 +0.9

ASAR Alice Springs 123.30 208 eP P 03 25 57.8 +0.1

ASAR Alice Springs 123.30 208 eP P 03 26 07.6 +0.9

ASAR Alice Springs 123.30 208 eP P 03 26 07.6 +0.9

ASAR Alice Springs 123.30 208 eP P 03 26 07.6 +0.9

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ASAR Alice Springs 123.30 208 eP P 03 26 07.6 +0.9

ASAR Alice Springs 123.30 208 eP P 03 26 07.6 +0.9

LSA Lhasa 20.94 353 eP P 04 01 15.1 -0.1

LSA Lhasa 20.94 353 eP P 04 01 22.7 -0.8

GKN Gorkha 21.03 336 eP P 04 01 16.4 +0.2

DANN Dangsing 21.10 335 eP P 04 01 24.0 +1.1

MKAR Makanchi Array 39.14 347 eP P 04 03 59.0 0.0

MKAR Makanchi Array 39.14 347 eP P 04 04 06.3 -1.2

SOMN Songoing Array 40.26 13 pP P 04 04 17.4 +0.6

ZAL Zalesovo 45.59 352 eP P 04 04 51.9 +0.4

ZAL Zalesovo 45.59 352 eP P 04 04 59.9 -0.1

BVAR Borovoye Array 48.06 341 eP P 04 05 10.3 -0.6

BVAR Borovoye Array 48.06 341 eP P 04 05 21.0 +1.5

CHKZ Chkalovo 48.54 342 eP P 04 05 14.0 -0.3

CHKZ Chkalovo 48.54 342 eP P 04 05 22.3 -0.9

WRA Warramunga Arr 48.91 126 eP P 04 05 18.4 +0.4

WRA Warramunga Arr 48.91 126 eP P 04 05 26.1 -0.4

ASAR Alice Springs 50.61 130 eP P 04 05 38.2 -1.4

FINES FINESS Array B 71.82 332 eP P 04 07 53.7 -0.7

FINES FINESS Array B 71.82 332 eP P 04 08 02.2 -0.7

ARCES ARCES Array B 74.34 340 eP P 04 08 07.7 -0.9

ARCES ARCES Array B 74.34 340 eP P 04 08 17.7 +0.2

ARCES ARCES Array B 74.34 340 eP P 04 08 27.6 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

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GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

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GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

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GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

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GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

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GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

GERES GERES Array B 77.05 318 eP P 04 04 37.4 +0.2

BUI 16 04:05:52.8, 38.44N-74.88E, h33km, ML3.9

NEIC 16 04:05:56.5, 1.5, 38.78N-75.09E, h10km, mb4.1/1, Error ellipse: s-maj=25.8km s-min=15.1km az=147.0

MOS 16 04:05:57.3, 1.3, 38.85N-75.16E, h26km, mb4.3/1, Error ellipse: s-maj=26.2km s-min=9.9km az=95.4

NINC 16 04:05:57.2, 3.3, 39.00N-75.29E, h13km, 22km, mpv3.6, Error ellipse: s-maj=37.9km s-min=10.8km az=3.0

IDC 16 04:06:03.7, 10.0, 39.14N-75.13E, h45km, 61km, mb3.4/7, mb1 3.6/10, mb1mx3.5/19, ML3.3, 0.9, Error ellipse: s-maj=108.0km s-min=26.1km az=2.0

ISC 16 04:05:59.1, 1.38, 63N-0.09, 75.25E, 0.08, h33km, n31, +194/33, mb3.5/12, Southern Xinjiang

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists seismic stations for Xinjiang region.

KSH Kashi 1.05 32 eP P 04 06 13.4 -1.9

KSH Kashi 1.05 32 eP P 04 06 28.5 -0.5

KSH Kashi 1.05 32 eP P 04 06 28.5 -0.5

KSH Kashi 1.05 32 eP P 04 06 28.5 -0.5

KSH Kashi 1.05 32 eP P 04 06 28.5 -0.5

KSH Kashi 1.05 32 eP P 04 06 28.5 -0.5

KSH Kashi 1.05 32 eP P 04 06 28.5 -0.5

KSH Kashi 1.05 32 eP P 04 06 28.5 -0.5

KSH Kashi 1.05 32 eP P 04 06 28.5 -0.5

KSH Kashi 1.05 32 eP P 04 06 28.5 -0.5

KSH Kashi 1.05 32 eP P 04 06 28.5 -0.5

KSH Kashi 1.05 32 eP P 04 06 28.5 -0.5

KSH Kashi 1.05 32 eP P 04 06 28.5 -0.5

KSH Kashi 1.05 32 eP P 04 06 28.5 -0.5

KSH Kashi 1.05 32 eP P 04 06 28.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like PDAR, NEW, HVU, HWUT, LNOR, DPW, SPUT, SPURT, HAWA, DDU, RSSD, ULM, YKA, YKA, YKA.

NAO 16 04:23:17.42,6.67,77N-20.62E,ML2.0
HEL 16 04:23:18.5,0.2,67.87N-20.29E,ML1.9,ML1.9(UPP),
ML1.9(BER),Explosion
BER 16 04:23:18.8,12.0,67.86N-20.28E,ML1.9,ML2.0(NAO),
Suspected explosion
ISC 16 04:23:14.0,0.5,67.72N,0.03,20.02E,0.08,n19,0172/29,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like Sweden, KIF, KIF, KTK1, KTK1, SGF, MOI, MOR8, ARAO, ARAO, ARAO, STOK, KEV, KEV, KEV, OUL, OUL, OUL, MSF, MSF, NSS, NSS, KJN, KJN, KJN, VAF, VAF, APAO, APAO, APAO, FIAO, FIAO, FIAO, HFS, HFS, HFS, HFS.

CASC 16 04:36:19.0,2.1,14.21N,84.63W,h34km,288km,MD4.1,
ML3.2,TD,Nicaragua

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like PYTN, COFN, WILN, WILN, MGAN, MGAN, TICN, TICN, APON, APON, CONN, CRZC, CRZC, FORT, FORT, TRTC, PRS1, LAJ, LAJ, JICR, JICR, URSC, LCR2, LCR2.

MEX 16 04:43:58.5,1.1,16.79N-93.97W,h148km,11km,MD4.2
IDC 16 04:43:58.2,1.3,16.40N-94.45W,h175km,9km,mb3.5/9,
mb1.3,7/11,mb1mx3.5/19,Error ellipse: s-maj=23.9km
s-min=15.3km az=49.0
NEIC 16 04:43:56.0,0.4,16.75N,0.06,93.96W,0.03,h153km,3km,
n28,0598/41,mb3.8/9,1C-1D,Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like CMIG, CMIG, CMIG, CMX, SCX, TUIG, TUIG, CCIG, CCIG, EVV, HUIG, HUIG, OXX, OXX, VHO, VHO, POHV, POHV, ISM, ISM, PPM, PPM, PPM, PPM.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like PPM, ACX, ACX, TEIG, TEIG, TEIG, TXAR, TXAR, WMOK, NVAR, LPZA, YKA, YKA, YKA, DLBC, CPUP, INK, INK, INK, ILAR, NB2, NOA, ARCES, FINES, ARCES.

IDC 16 04:54:44.8,2.1,48.74S,124.02E,mb3.9/6,mb1.4,1/7,
mb1mx4.1/10,ML2.6/1,MS3.9/6,Ms1.3.8/6,ms1mx3.7/11,
Error ellipse: s-maj=48.0km s-min=26.2km az=92.0
NEIC 16 04:54:46.0,0.7,48.83S,124.27E,h10km,mb4.4/4,
MS4.0/1,Error ellipse: s-maj=27.5km s-min=11.5km
az=95.0
ISC 16 04:54:44.6,0.7,48.83S,0.08,124.2E,0.3,h10km,n18,
0125/14,mb3.9/8,MS3.8/7,Western Indian-Antarctic
Isla

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like NWAO, FORT, STKA, STKA, STKA, AS12, AS12, ASAR, ASAR, WRA, WRA, FITZ, VVND, VVND, CTA, MPA, QSPA, SNAE, CMAR, CMAR, SONM, YKA, YKA, YKA.

IDC 16 05:28:24.3,1.6,50.20N,87.93E,mb3.2/1,mb1.3.8/4,
mb1mx3.5/19,ML3.5/3,Error ellipse: s-maj=20.0km
s-min=9.5km az=103.0
NNC 16 05:28:08.3,0.3,7.49,88N,87.60E,mpv3.7,Error ellipse:
s-maj=29.5km s-min=20.3km az=86.0
ISC 16 05:28:24.1,1.4,50.20N,0.06,88.0E,0.2,h10km,n7,
0116/12,mb3.3/1,4C-2D,Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like ZAL, ZAL, ZAL, ZAL, MK31, MK31, MKAR, MKAR, MKAR, KURK, KURK, KURK, BVAR, BVAR, BVAR, SONM, YKA, YKA.

IDC 16 05:38:39.6,1.8,9.28N-93.56E,h29km,6km,mb3.6/8,
mb1.3.8/9,mb1mx3.7/11,ML3.9/1,MS3.3/2,Ms1.3.5/2,
ms1mx2.9/21,Error ellipse: s-maj=40.9km s-min=27.9km
az=54.0
NEIC 16 05:38:40.4,1.1,9.24N-93.72E,h30km,mb4.2/5,Error
ellipse: s-maj=26.0km s-min=16.3km az=54.0
BUJ 16 05:38:41.0,8.79N,94.69E,h45km,mb4.3
ISC 16 05:38:37.1,1.9,9.2N,0.1,93.7E,0.1,h30km,
h30km,2.4km,pp-P,mb4,01508/24,mb3.8/9,MS3.7/1,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like Nicobar Islands region, CMAR, CMAR, CMAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like CMAR, PUKI, PUKI, DMN, DMN, LSA, LSA, GKN, KOLN, DANN, CD2, CD2, MKAR, MKAR, SONM, SONM, KURK, ZAL, ZAL, BVAR, BVAR, BRVK, CHKZ, WRA, WRA, ARCES, ARCES, GERES, NOA, NOA.

IGQ 16 05:52:12.5,1.01S,78.41W,h9km,1km,mb4.0,11C-9D,
Error ellipse: s-maj=1.2km s-min=0.4km az=1.6,
Equador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like PISA, MARY, TAMB, VCI, NAS1, RUN2, JUVI, CUSU, ANTI, RETU, PATA, ARRY, IGUA, ANTI, CGGP, GGP, PINO, YANA, YANA, CAYR, CAYA, CONE, AZU1, AZU1, COTA.

IDC 16 06:02:42.8,2.1,16.73S,178.17W,mb3.6/4,mb1.4/0.4,
mb1mx3.7/14,Error ellipse: s-maj=128.0km s-min=27.8km
az=152.0
ISC 16 06:02:46.7,2.3,16.6S,0.9,178.3W,0.5,h33km,n4,
0011/4,mb3.6/4,Fiji Islands region

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

NEIC 16 06:35:25.9,0.7,0.31N,122.63E,h150km,mb3.9/2,Error
ellipse: s-maj=68.5km s-min=11.4km az=65.0
IDC 16 06:35:30.2,14.0,0.1,13N,122.31E,h192km,156km,
mb3.4/6,mb1.3/6,mb1mx3.4/16,ML4.3/1,Error ellipse:
s-maj=121.0km s-min=22.4km az=61.0
ISC 16 06:35:24.2,0.8,0.1N,0.3,122.1E,0.5,h150km,n11,
0051/11,mb3.7/6,Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like FITZ, FITZ, WRA, WRA, WB2, ASAR, STKA, STKA, SONM, MKAR, ZAL.

CASC 16 07:17:54.2,1.3,13.31N,89.55W,h67km,8km,MD3.9,
ML3.7,2C-12D,El Salvador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like SNET, SNET, BOOS, BOOS, PICS, PICS, SBL, SBL, SNJE, SNJE, LFRS, LFRS, RTR, RTR, ISM, ISM, LBRS, LBRS, CUSC, CUSC, CUSS.



Table with columns: RBDL, Robledal, 0.81 351j, eP, P, 07 18 10.6 +0.3, etc.

NEIC 16 07:43:14.8.3.9, 19.94N-95.57E, h2km, 28km, Error ellipse: s-maj=36.8km s-min=7.9km az=218.0

ISC 16 07:43:20.6.5.2, 20.15N-95.96E, h46km, 58km, mb3.6/6, mb1 3.8/7, mb1mx3.6/16, ML3.6/1, MS3.4/3, Ms1 3.4/3, ms1mx3.1/21, Error ellipse: s-maj=128.0km s-min=18.5km az=57.0

ISC 16 07:43:13.1.0.6, 20.04N.0.10.95.64E, 0.07, h8km, n25, s128/33, mb3.9/6, MS3.4/3, 1D, Myanmar

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC

ISC 16 07:50:18.3.6.4, 22.18Sx178.46W, mb3.9/4, mb1 4.1/4, mb1mx3.9/14, Error ellipse: s-maj=176.0km s-min=101.7km az=143.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC

BJI 16 07:51:24.5, 42.96N-88.67E, h24km, ML3.6, 3D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC

ISC 16 08:02:40.5.3.6, 3.64N-94.09E, mb3.6/2, mb1 3.8/3, mb1mx3.5/16, ML3.9/1, Error ellipse: s-maj=122.0km s-min=35.2km az=62.0, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC

NEIC 16 08:11:18.1.2.2, 57.71N, 10.67E, h10km, ML1.8 (BER), Error ellipse: s-maj=30.2km s-min=8.0km az=176.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC

Table with columns: HFS, comp=Z, 0.4nm, 0.3s, baz=212, slow=19, SNR=27, etc.

NOA comp=Z, 0.7nm, 0.3s, baz=190, slow=16, SNR=3.9

NOA comp=Z, 1.2nm, 0.3s, baz=94, slow=5.8, SNR=5.9

NOA NORSAR Array B 3.23 4 Pn Pn 08 12 10.7 +1.8

NOA comp=Z, 0.4nm, 0.3s, baz=247, slow=23, SNR=8.0

ARCS ARCESS Array B 13.39 23 Pn P 08 14 26.2 -3.4

ARCS ARCESS Array B 13.39 23 Pn P 08 14 26.2 -3.3

NOA comp=Z, 0.4nm, 0.3s, baz=247, slow=23, SNR=8.0

ARCS ARCESS Array B 13.39 23 Pn P 08 14 26.2 -3.4

ARCS ARCESS Array B 13.39 23 Pn P 08 14 26.2 -3.3

NOA comp=Z, 0.4nm, 0.3s, baz=247, slow=23, SNR=8.0

ARCS ARCESS Array B 13.39 23 Pn P 08 14 26.2 -3.4

ARCS ARCESS Array B 13.39 23 Pn P 08 14 26.2 -3.3

NOA comp=Z, 0.4nm, 0.3s, baz=247, slow=23, SNR=8.0

ARCS ARCESS Array B 13.39 23 Pn P 08 14 26.2 -3.4

ARCS ARCESS Array B 13.39 23 Pn P 08 14 26.2 -3.3

NOA comp=Z, 0.4nm, 0.3s, baz=247, slow=23, SNR=8.0

ARCS ARCESS Array B 13.39 23 Pn P 08 14 26.2 -3.4

ARCS ARCESS Array B 13.39 23 Pn P 08 14 26.2 -3.3

NOA comp=Z, 0.4nm, 0.3s, baz=247, slow=23, SNR=8.0

ARCS ARCESS Array B 13.39 23 Pn P 08 14 26.2 -3.4

ARCS ARCESS Array B 13.39 23 Pn P 08 14 26.2 -3.3

NOA comp=Z, 0.4nm, 0.3s, baz=247, slow=23, SNR=8.0

ARCS ARCESS Array B 13.39 23 Pn P 08 14 26.2 -3.4

ARCS ARCESS Array B 13.39 23 Pn P 08 14 26.2 -3.3

NOA comp=Z, 0.4nm, 0.3s, baz=247, slow=23, SNR=8.0

ARCS ARCESS Array B 13.39 23 Pn P 08 14 26.2 -3.4

ARCS ARCESS Array B 13.39 23 Pn P 08 14 26.2 -3.3

NOA comp=Z, 0.4nm, 0.3s, baz=247, slow=23, SNR=8.0

ARCS ARCESS Array B 13.39 23 Pn P 08 14 26.2 -3.4

ARCS ARCESS Array B 13.39 23 Pn P 08 14 26.2 -3.3

NOA comp=Z, 0.4nm, 0.3s, baz=247, slow=23, SNR=8.0

ARCS ARCESS Array B 13.39 23 Pn P 08 14 26.2 -3.4

ARCS ARCESS Array B 13.39 23 Pn P 08 14 26.2 -3.3

NOA comp=Z, 0.4nm, 0.3s, baz=247, slow=23, SNR=8.0

ARCS ARCESS Array B 13.39 23 Pn P 08 14 26.2 -3.4

ARCS ARCESS Array B 13.39 23 Pn P 08 14 26.2 -3.3

NOA comp=Z, 0.4nm, 0.3s, baz=247, slow=23, SNR=8.0

ARCS ARCESS Array B 13.39 23 Pn P 08 14 26.2 -3.4

ARCS ARCESS Array B 13.39 23 Pn P 08 14 26.2 -3.3

NOA comp=Z, 0.4nm, 0.3s, baz=247, slow=23, SNR=8.0

ARCS ARCESS Array B 13.39 23 Pn P 08 14 26.2 -3.4

ARCS ARCESS Array B 13.39 23 Pn P 08 14 26.2 -3.3

Table with columns: PMG, 0.4nm, 0.3s, baz=170, slow=22, SNR=1.4, etc.

WAW Wau 17.60 280 eP P 08 31 38.4 +2.6

CTA Charters Tower 19.54 240 jP P 08 31 59.7 +0.7

CTA Charters Tower 19.54 240 P P 08 31 59.5 +0.5

CTA Charters Tower 19.54 240 P P 08 31 59.6 +0.6

CTA Charters Tower 19.54 240 P P 08 31 59.2 +0.2

ARMA Armadale 22.68 209j eP P 08 32 32.8 -1.6

ARMA Armadale 22.68 209j eP P 08 32 32.8 -1.6

CNB Canberra Magne 27.82 207 eP P 08 33 19.4 -0.3

CNB Canberra Magne 27.82 207 eP P 08 33 19.4 -0.3

STKA Stephens Creek 29.53 222 eP P 08 33 30.0 0.0

STKA Stephens Creek 29.53 222 eP P 08 33 30.0 0.0

STKA Stephens Creek 29.53 222 eP P 08 33 30.0 0.0

STKA Stephens Creek 29.53 222 eP P 08 33 30.0 0.0

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STKA Stephens Creek 29.53 222 eP P 08 33 30.0 0.0

STKA Stephens Creek 29.53 222 eP P 08 33 30.0 0.0















Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Butte a Klehm, Mont Dzumac, Port Laguerre, Rabaul, Port Moresby, Wau, Charters Tower, Armadale, Urewera, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like HRY Holter Researc, PDAR Pinedale Array, MKAR Makanchi Array, MKAR Yellowknife Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like STKA Stephens Creek, ATKA Atka Island, Igitkin Island, Great Sitkin M, etc.



Table with columns for station code, name, frequency, power, and other technical details. Includes stations like NVL, QIZ, QIONGZHONG, KODIAK ISLAND, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like ANMO, ALBUQUERQUE, MAGADAN, etc.

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



Table of astronomical observations for 16d 18h, listing stations like BRG, Muntele Rosu, and various codes and times.

Table of astronomical observations for 2004 APR, including NEIC and ISC data for stations like URZ, RAR, PMG, and others.

Table of astronomical observations for 376, listing stations like REDW, AHID, QLMT, and various codes and times.





Table with columns for city names (e.g., Hyderabad, Lhasa, Gurgaon), coordinates, and various status codes (e.g., pP, sP, pP, pP).

Table with columns for city names (e.g., MDJ, JASL, ULN, SONM), coordinates, and various status codes (e.g., AMB, AMB, LR, LR).

Table with columns for city names (e.g., YAK, YAK, YAK, YAK), coordinates, and various status codes (e.g., iS, S, iS, S).



Azm104°; N-.084, Plg59°, Azm347°; P-.766, Plg27°, Azm202°;  
 INMG 16 19:23:25.1±1.1, 37.67N-1.39W, h10km, 2km, ML3.9 Error ellipse: s-maj=2.9km s-min=1.6km az=130.0  
 MDD 16 19:23:25.4±0.2, 37.70N-1.41W, h4km, 2km, mBL3.8/3.0, Error ellipse: s-maj=2.8km s-min=1.8km az=163.0  
 PRXIMO IV LA PINILLA III-IV UELAS LORCA III ALEDO ALHAMA DE MURCIA III BULLAS CABEZO DE TORRES III CAADA DE GALLEGO CARTAGENA III CORVERA CUEVAS DE REYLLÓ III FUENTE LAMO LA ATALAYA III N MORATA MULA III MURCIA ZIGA Y LA JUNCOZA III EL PALMAR SANGONERA LA VERDE II N OVARA II MOLINA DE SEGURA PUERTO LUMBRERAS II LA N I GUILAS N CALASPARRA LA PACA PUNTA DE CALNEGRE I PURIAS TORRE PACHECO  
 MDD EMS: IV TOTANA EL N.  
 IDC 16 19:23:25.8±1.6, 37.84N-1.27W, mb3.8/1.1, mb1 4.1/13, mb1mx3.9/24, ML3.8/2, Error ellipse: s-maj=40.9km s-min=16.7km az=18.0  
 NEIC 16 19:23:25.2, 37.67N-1.38W, mb3.9/3, ML4.0(LDG), ML3.5(STR), MN3.7(MDD), After MDD.  
 NEIC Feit [V] at Ganuelas, La Pinilla, Lorca and Totana; [III] at Aledo, Alhama de Murcia, Bullas, Cabezo de Torres, Caada de Gallego, Cartagena, Convera, Cuevas de Reyillo, El Palmar, Fuente-Alamo, La Atalaya, La Juncoza, Mazarron, Morata, Mula, Murcia, Sangonera la Verde and Zuniga; [II] at Cehegin, Huerca/Overa, La Union, Molina de Segura and Puerto Lumbreras; [I] at Aguilas, Albujon, Calasparra, Calnegre, La Paca and Torre-Pacheco.  
 LDG 16 19:23:28.1±0.4, 37.82N-1.56W, h10km, M4.0/7, Error ellipse: s-maj=9.4km s-min=3.7km az=165.0  
 ISC 16 19:23:23.1±0.4, 37.83N-0.02-1.54W, 0.02, h2km, 2km, n162, s150/245, mb3.8/1.1, 5C-5D, Spain

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	ISC
EMUR	La Murta	0.24	87	↑Pg	19 23 29.0	+1.1	
EMUR	2μm, 0.1s, SNR=18			Lg	19 23 31.7		
CART	Cartagena	0.49	120	↑Pg	19 23 31.7	-1.2	
CART	Cartagena	0.49	120	ePg	19 23 31.9	-1.1	
ETOB	Tobarra	0.81	360	↑Pg	19 23 42.9	+3.6	
ETOB	376nm, 0.3s, SNR=61			Lg	19 23 56.2		
ETOB	Tobarra	0.81	360	↑Pg	19 23 42.9	+3.6	
ETOB	Huescar	0.83	269	↑Pg	19 23 57.0		
EHUE	134nm, 0.3s, SNR=23			Lg	19 23 56.1		
ENIJ	Nijar	1.01	212	↑Pg	19 23 43.3	0.0	
EVIA	Vianos	1.10	317	↑Pg	19 23 48.5	+3.3	
EVIA	121nm, 0.1s, SNR=18			Lg	19 24 06.8		
EQES	834nm, 1.1s, SNR=7.9			Lg	19 23 49.6	+2.3	
EQES	Quesada	1.21	269	↑Pg	19 24 08.1		
EQES	124nm, 0.2s, SNR=57			Lg	19 24 08.1		
EBEN	Beniarja	1.35	50	↑Pn	19 23 48.7	-0.4	
EBEN	89nm, 0.4s, SNR=18			Lg	19 24 09.3		
EBER	Berja	1.42	229	↑Pg	19 23 50.7	-0.8	
EBER	136nm, 0.3s, SNR=18			Lg	19 24 10.5		
EQUE	Qentar	1.63	248	↑Pg	19 23 56.0	+0.3	
EQUE	20nm, 0.7s, SNR=7.9			Lg	19 24 18.9		
ECOG	Cogollos-Vega	1.70	252	↑Pg	19 23 57.8	+0.7	
ECOG	34nm, 0.2s, SNR=33			Lg	19 24 21.2		
EBAN	Banos Encina	1.80	281	↑Pn	19 23 58.1	+2.6	
EBAN	465nm, 0.3s, SNR=18			Lg	19 24 37.7		
EBAN	Banos Encina	1.80	281	↑Pn	19 24 23.1	+3.9	
EBAN	1μm, 0.6s, SNR=14			Lg	19 24 06.8		
ERON	Agron	1.98	246	↑Pg	19 23 58.1	+2.6	
ERON	402nm, 0.7s, SNR=18			Lg	19 24 24.3	+5.1	
ERON	92nm, 0.4s, SNR=6.2			Lg	19 24 02.0	-0.5	
ERON	Agron	1.98	246	↑Pg	19 24 30.3		
ERON	171nm, 0.4s, SNR=34			Lg	19 24 02.0	-0.5	
ELUO	Luque	2.18	264	↑Pn	19 24 28.6		
ELUO	239nm, 0.5s, SNR=8.3			Lg	19 24 02.0	+2.0	
ELUO	Luque	2.18	264	↑Pn	19 24 38.1		
ELUO	20nm, 0.2s, SNR=20			Lg	19 24 38.1		
ELOJ	Sierra Loja	2.19	253	↑Pn	19 24 37.7		
ELOJ	58nm, 0.4s, SNR=15			Lg	19 24 04.3	+3.4	
USTO	Oran	2.24	159	↑P	19 24 37.7		
EADA	Adamuz	2.42	279	↑Pn	19 24 04.0	+2.3	
EADA	26nm, 0.2s, SNR=13			Lg	19 24 06.0	+1.7	
EADA	168nm, 0.4s, SNR=14			Lg	19 24 12.0	+0.6	
EADA	143nm, 0.4s, SNR=5.3			Lg	19 24 36.7	+1.7	
EADA	255nm, 0.2s, SNR=9.9			Lg	19 24 46.6		
EADA	Adamuz	2.42	279	↑Pn	19 24 06.0	+1.7	
EADA	98nm, 0.3s, SNR=9			Lg	19 24 12.9	+1.5	
EADA	Adamuz	2.42	279	↑Pn	19 24 36.7	+1.7	
EADA	255nm, 0.2s, SNR=9.9			Lg	19 24 46.6		
EIBI	Ibiza	2.56	61	↑Pn	19 24 05.1	-1.2	
EIBI	94nm, 0.3s, SNR=20			Lg	19 24 33.8	-4.6	
OTSS	Djebel Tessaia	2.62	166	↑Pn	19 24 37.7		
ESDC	Sonsec Array	2.64	315	↑Pn	19 24 04.3	+3.4	
ESDC	12nm, 0.3s, baze=129, slow=13, SNR=11			Lg	19 24 10.4	+3.0	
ESDC	98nm, 0.3s, baze=130, slow=16, SNR=30			Lg	19 24 17.6	+1.8	
ESDC	299nm, 0.3s, baze=132, slow=30, SNR=9.4			Lg	19 24 53.4		
ESDC	Sonsec Array	2.64	315	↑Pn	19 24 09.3	+1.9	
ESDC	6.9nm, 0.3s, baze=128, slow=13, SNR=92			Lg	19 24 16.6	+0.8	
ESDC	baze=131, slow=16, SNR=7.9			Lg	19 24 53.2		
ESDC	325nm, 0.3s, baze=134, slow=30, SNR=12			Lg	19 24 53.2		
ESDC	Sonsec Array	2.64	315	↑Pn	19 24 09.3	+1.9	
ESDC	6.9nm, 0.3s, baze=128, slow=13, SNR=92			Lg	19 24 18.0	+2.2	
EMOS	Mosqueruela	2.66	18	↑Pn	19 24 52.9		
EMOS	4.4nm, 0.2s, SNR=20			Lg	19 24 04.3	+1.6	
EMOS	414nm, 0.5s, SNR=74			Lg	19 24 15.9	-0.3	
EMOS	82nm, 0.4s, SNR=6.0			Lg	19 24 53.1		
EMOS	Mosqueruela	2.66	18	↑Pn	19 24 05.0	+2.8	
EMOS	4.4nm, 0.2s, SNR=20			Lg	19 24 15.9	-0.3	
EMOS	414nm, 0.5s, SNR=74			Lg	19 24 53.1		
EMOS	82nm, 0.4s, SNR=6.0			Lg	19 24 53.1		
OJBR	Djebel Berber	2.71	145	↑Pn	19 24 04.3	+3.4	
EMEL	Melilla	2.77	205	↑Pn	19 24 06.0	+2.4	
EHOR	Hornachuelos	2.94	271	↑Pn	19 24 07.5	-1.8	
EHOR	34nm, 0.1s, SNR=7.9			Lg	19 24 13.2	+1.5	
EHOR	54nm, 0.5s, SNR=6.7			Lg	19 24 21.1	-0.5	
EHOR	71nm, 0.4s, SNR=12			Lg	19 24 21.1	-0.5	
EHOR	72nm, 0.2s, SNR=9.0			Lg	19 25 01.9		
OJGS	Djebel Guires	2.96	141	↑Pn	19 24 22.0	+1.0	
ETOR	Torete	3.01	353	↑Pn	19 24 15.2	+2.5	
ETOR	8.2nm, 0.2s, SNR=81			Lg	19 24 23.6	+0.4	
ETOR	226nm, 0.3s, SNR=11			Lg	19 24 51.3	+1.5	
ETOR	69nm, 0.5s, SNR=7.9			Lg	19 24 25.8		
ETOR	195nm, 0.5s, SNR=7.4			Lg	19 25 05.8		

ETOR	Torete	3.01	353	↑Pn	19 24 15.2	+2.5	
ETOR	Torete	3.01	353	↑Pn	19 24 23.6	+0.4	
ETOR	Torete	3.01	353	↑Pn	19 24 51.3	+1.5	
ELIJ	Sierra de Lija	3.19	255	↑Lg	19 24 17.3	+2.0	
ELIJ	6.0nm, 0.2s, SNR=11			Lg	19 24 20.5		
ELIJ	44nm, 0.4s, SNR=16			Lg	19 24 24.8	-2.0	
ELIJ	114nm, 0.6s, SNR=9.5			Lg	19 25 09.8		
ELIJ	Sierra de Lija	3.19	255	↑Pn	19 24 17.3	+2.0	
ELIJ	44nm, 0.4s, SNR=16			Lg	19 24 24.8	-2.0	
ELIJ	114nm, 0.6s, SNR=9.5			Lg	19 25 11.8		
LIJA	Lijar	3.21	254	↑Pn	19 24 17.0	+1.4	
REAL	Reales	3.22	246	↑Pg	19 24 27.0	-0.4	
ROQU	Roquetas	3.38	27	↑ePn	19 24 19.6	+0.9	
EJIF	Jimena Fronter	3.43	247	↑Pn	19 24 19.6	+0.9	
ERTA	Horta de San J	3.44	24	↑Pn	19 24 20.0	+1.1	
ERTA	46nm, 0.4s, SNR=24			Lg	19 24 21.8	+2.7	
GUD	Guadarrama	3.46	325	↑Pn	19 24 31.8	-0.4	
GUD	14nm, 0.3s, SNR=7.9			Lg	19 25 08.8		
GUD	17nm, 0.4s, SNR=15			Lg	19 25 02.0	+0.7	
GUD	222nm, 0.4s, SNR=13			Lg	19 25 20.8		
GUD	106nm, 0.2s, SNR=7.9			Lg	19 24 17.5	-1.7	
GUD	Guadarrama	3.46	325	↑Pn	19 24 32.9	+0.7	
GUD	106nm, 0.2s, SNR=7.9			Lg	19 25 05.2	+3.8	
GUD	17nm, 0.4s, SNR=15			Lg	19 25 17.6		
GUD	222nm, 0.4s, SNR=13			Lg	19 25 17.7		
GUD	106nm, 0.2s, SNR=7.9			Lg	19 24 21.5	+0.8	
ESPR	Espera	3.57	256	↑Pn	19 24 32.6	-1.8	
ESPR	8.8nm, 0.3s, SNR=11			Lg	19 25 21.7		
ESPR	129nm, 0.6s, SNR=7.9			Lg	19 25 21.7		
ESPR	88nm, 0.4s, SNR=4.8			Lg	19 24 23.8	+3.1	
ESPR	Espera	3.57	256	↑Pn	19 25 23.8		
GIBL	Gibalbin	3.67	256	↑Lg	19 25 25.0		
ESAC	San Casprasio	3.97	12	↑Pn	19 24 28.3	+2.0	
ESAC	19nm, 0.2s, SNR=14			Lg	19 25 35.1		
ESAC	300nm, 0.4s, SNR=13			Lg	19 24 40.3	-2.1	
ESAC	322nm, 0.4s, SNR=5.0			Lg	19 25 35.1		
EPOB	Poble	4.06	29	↑Pn	19 24 28.2	+0.6	
EPOB	13nm, 0.4s, SNR=16			Lg	19 24 41.0	-3.1	
EPOB	11nm, 0.5s, SNR=7.9			Lg	19 24 28.6	+1.0	
EMIN	Mina Conception	4.06	271	↑Pn	19 24 41.8	-2.4	
EMIN	3.5nm, 0.2s, SNR=33			Lg	19 25 15.4	-1.2	
EMIN	33nm, 0.6s, SNR=7.9			Lg	19 25 38.2		
EMIN	133nm, 1.3s, SNR=7.9			Lg	19 24 27.7	0.0	
EMIN	Mina Conception	4.06	271	↑Pn	19 25 13.6	-3.0	
EMIN	33nm, 0.6s, SNR=7.9			Lg	19 25 35.5		
EMIN	133nm, 1.3s, SNR=7.9			Lg	19 24 33.4	+0.9	
EMIN	Mina Conception	4.06	271	↑Pn	19 24 48.2	-2.7	
EMIN	33nm, 0.6s, SNR=7.9			Lg	19 25 24.7	-0.4	
EMIN	133nm, 1.3s, SNR=7.9			Lg	19 25 50.5		
EMIN	Mina Conception	4.06	271	↑Pn	19 24 32.8	+0.3	
EMIN	33nm, 0.6s, SNR=7.9			Lg	19 25 24.7	-0.4	
EMIN	133nm, 1.3s, SNR=7.9			Lg	19 25 47.3		
EMIN	Mina Conception	4.06	271	↑Pn	19 24 35.1	+0.4	
EMIN	33nm, 0.6s, SNR=7.9			Lg	19 25 27.3	-1.8	
EMIN	133nm, 1.3s, SNR=7.9			Lg	19 24 34.5	-0.3	
EMIN	Mina Conception	4.06	271	↑Pn	19 25 27.3	-1.8	
EMIN	33nm, 0.6s, SNR=7.9			Lg	19 24 34.5	-0.3	
EMIN	133nm, 1.3s, SNR=7.9			Lg	19 25 27.3	-1.8	
EMIN	Mina Conception	4.06	271	↑Pn	19 24 37.1	+0.1	
EMIN	33nm, 0.6s, SNR=7.9			Lg	19 25 31.3	-1.9	
EMIN	133nm, 1.3s, SNR=7.9			Lg	19 24 37.1	+0.1	
EMIN	Mina Conception	4.06	271	↑Pn	19 24 37.1	+0.1	
EMIN	33nm, 0.6s, SNR=7.9			Lg	19 25 31.3	-1.9	
EMIN	133nm, 1.3s, SNR=7.9			Lg	19 24 37.1	+0.1	
EMIN	Mina Conception	4.06	271	↑Pn	19 24 37.1	+0.1	
EMIN	33nm, 0.6s, SNR=7.9			Lg	19 25 31.3	-1.9	
EMIN	133nm, 1.3s, SNR=7.9			Lg	19 24 37.1	+0.1	
EMIN	Mina Conception	4.06	271	↑Pn	19 24 37.1	+0.1	
EMIN	33nm, 0.6s, SNR=7.9			Lg	19 25 31.3	-1.9	
EMIN	133nm, 1.3s, SNR=7.9			Lg	19 24 37.1	+0.1	
EMIN	Mina Conception	4.06	271	↑Pn	19 24 37.1	+0.1	
EMIN	33nm, 0.6s, SNR=7.9			Lg	19 25 31.3	-1.9	
EMIN	133nm, 1.3s, SNR=7.9			Lg	19 24 37.1	+0.1	
EMIN	Mina Conception	4.06	2				

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res. Includes stations like SCHQ Schefferville, MKAR Makanchi Array, YKA Yellowknife A, etc.

ATH 16 19:30:10.4, 36.90N, 23.22E, h18km, 3km, MD3.4/8, ML3.2
NEIC 16 19:30:10.4, 36.90N, 23.22E, h18km, ML3.2(ATH), After ATH.

THE 16 19:30:11.6, 36.95N, 23.19E, h10km, ML3.3
ISC 16 19:30:10.8-0.5, 36.91N-0.04, 23.19E-0.04, h10km, n25, c065/29, 1C, Southern Greece

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

WEL 16 19:37:31.2, 0.6, 36.64N, 178.29E, h20km, 3km, ML3.5/1,
1D, Error ellipse: s-maj=4.9km s-min=3.3km az=90.0,
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.

MOS 16 19:39:19.3, 0.8, 41.80N, 140.88E, h141km, mb4.0/1, Error
ellipse: s-maj=30.0km s-min=17.2km az=122.3

JMA 16 19:39:22.4, 0.1, 41.93N, 140.97E, h142km, 1km, M3.1
NEIC 16 19:39:23.0, 5.2, 41.92N, 140.87E, h154km, 48km, mb4.2/2,
Error ellipse: s-maj=18.5km s-min=12.3km az=139.0

ISC 16 19:39:20.7, 0.4, 41.89N, 0.04, 140.97E-0.06, h149km, 2km,
n34, c084/46, mb3.8/11, Hokkaido region

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res. Includes stations like JKB Kayabe, JYM2 Yakumo 2, JOT Ohata, etc.

ASAJ Asahikawa 2.53 28 P P 19 40 02.8 -1.5
2.6nm, 0.3s, baz=252, slow=13, SNR=6.8

HIA Hailar 16.56 304 P P 19 40 04.5 -0.7
1.7nm, 0.4s, mb4.1, baz=76, slow=28, SNR=10

MAR Makanchi Array 41.41 297 P P 19 46 53.6 +0.1
0.8nm, 0.6s, mb3.5, baz=76, slow=8, SNR=10

KUR Kurchatov 42.80 304 P P 19 47 03.9 -0.8
Eielson Array 45.64 35 P P 19 47 22.8 +0.9

GUN Gumba 46.54 271 eP P 19 47 35.4 +0.6
12nm, 0.7s, mb4.6

CHKZ Chkatovo 46.84 310 eP P 19 47 36.5 -0.3
KKN Kakani 47.05 271 eP P 19 47 39.1 +0.3

DMN Daman 47.27 271 eP P 19 47 40.8 +0.2
DANN Danging 47.88 273 eP P 19 47 45.9 +0.6

KOLN Koldanda 48.31 272 eP P 19 47 48.8 +0.2
2.6nm, 0.7s, mb4.4

ARC ARCESS Array B 59.35 338 P P 19 49 06.9 -1.8
2.7nm, 1.0s, mb4.0, baz=53, slow=9, SNR=3.4

FINES FINES Array B 64.38 331 P P 19 49 24.7 -1.4
3.8nm, 1.1s, mb4.1, baz=57, slow=8, SNR=16

FINES FINES Array B 64.38 331 P P 19 49 41.2 -1.0
HFS Hagfors 68.54 335 P P 19 50 13.6 -0.9

NEIC 16 19:53:20.7, 2.1, 15.62S, 167.96E, h185km, 16km, mb4.4/3,
Error ellipse: s-maj=19.4km s-min=11.2km az=215.0

ISC 16 19:53:22.3, 6.1, 15.65S, 167.89E, h195km, 53km,
mb3.7/11, mb 1 3.9/11, mb 1mx3.8/19, Error ellipse:
s-maj=30.6km s-min=15.2km az=48.0

ISC 16 19:57:19.8, 1.3, 15.87S, 0.09, 167.9E-0.1, h186km, 9km,
n33, c115/35, mb4.2/4, 5C, Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res. Includes stations like DZM Mont Dzumac, ARMA Armaidale, PORT Port Laguerre, etc.

WBR2 Warramunga Arr 32.20 257 P P 19 59 30.4 -2.2
WRAB Tennant Creek 32.20 257 P P 19 59 31.4 -2.2

WRA Warramunga Arr 32.21 257 P P 19 59 30.8 -1.9
0.9nm, 0.3s, mb4.0, baz=78, slow=6, SNR=77

AS12 Alice Springs 32.93 251 eP P 19 59 37.6 -1.2
5.8nm, 0.4s, mb4.7, baz=78, slow=8, SNR=173

ASAR Alice Springs 32.93 251 P P 19 59 37.7 -1.1
1.8nm, 0.8s, baz=78, slow=8, SNR=2.1

FORT Fortm 0.7s, mb5.0 39.36 240 eP P 20 00 19.6 +1.9
77nm, 0.6s, mb5.0

FITZ Fitzroy Crossi 40.46 260 eP P 20 00 41.9 0.0
8.4nm, 0.3s, mb4.8

NWA Narrogin (SRO) 48.80 240 eP P 20 01 47.2 -0.9
1.3nm, 0.7s, mb3.9, baz=74, slow=5, SNR=11

VNDA Vanda 61.94 181 eP P 20 03 20.8 -0.8
GSPA South Pole Qui 74.36 180 eP P 20 04 38.2 0.0

CMAR Chatter Mat Arr 75.90 294 P P 20 04 49.1 +1.1
5.1nm, 0.7s, mb4.2, baz=134, slow=4, SNR=9.3

ULN Ulanbaatar 83.26 324 eP P 20 05 27.1 +0.4
SONM Songino Arr 83.62 323 P P 20 05 29.2 +0.6

SONM Songino Arr 83.62 323 P P 20 06 15.7 +1.3
0.4nm, 0.5s, mb3.4, baz=162, slow=7, SNR=6.6

ILAR Eielson Array 87.23 18 P P 20 05 44.4 -1.4
0.2nm, 0.5s, mb3.2, baz=24, slow=4, SNR=4.3

SNAA Snares 92.64 181 P P 20 06 10.4 -0.6
VNA3 Neumayer Olymp 93.29 181 P P 20 06 14.6 +0.6

VNA2 Neumayer-Watz 93.56 182 P P 20 06 16.3 +1.1
VNA1 Neumayer-Stat 93.86 181 P P 20 06 12.8 -3.7

ARCES ARCESS Array B 121.32 345 PKP PKP 20 11 51.1 +0.7
0.8nm, 0.5s, baz=45, slow=1, SNR=10

SOF 16 19:54:48.2, 0.4, 52N-27.26E, h2km, MD2.8
ISK 16 19:54:49.6, 0.4, 42N-27.12E, h5km, MD3.1

THE 16 19:54:51.9, 0.4, 38N-27.08E, h3km
ISC 16 19:54:49.8-0.6, 40.42N-0.02, 27.10E-0.03, h4km, 5km,
n37, c086/50, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res. Includes stations like MRMT Marmara Adasi, BNT Bandirma, EZN Ezine, etc.

KRSC 16 20:08:51.4, 0.9, 53.53N, 167.44E, h40km, 9km, ML4.5
MOS 16 20:08:52.3, 1.3, 53.40N, 167.16E, h41km, mb4.4/1, Error
ellipse: s-maj=26.0km s-min=15.7km az=29.2

ISC 16 20:08:54.0-0.9, 53.44N-0.04, 167.04E-0.09, h40km, n41,
c096/71, Komandorsky Islands region

BKI Bering 1.88 341 Op P 20 09 22.4 -1.2
260nm, 0.7s

MKZ Mys Kozlova 3.33 292 P P 20 09 45.4 0.0
MKZ Mys Kozlova 3.33 292 I S P 20 10 23.8 -0.4

KBTR Krutoberegovo 3.70 320 P P 20 09 48.4 -2.2
KBTR Krutoberegovo 3.70 320 eS P 20 10 29.7 -3.8

KBTR Krutoberegovo 3.70 320 eS P 20 10 48.4 -2.2
KBTR Krutoberegovo 3.77 320 eS P 20 10 35.9 +0.4

SPN Mys Shipunski 4.23 268 P P 20 09 58.1 0.0
SPN Mys Shipunski 4.23 268 I S P 20 10 45.7 -1.2

TUMR Tumrok 4.44 297 eP P 20 10 01.7 +0.6
TUMR Zelenaya 4.44 308 I P P 20 10 52.0 +0.8

CIRR Tsrirk 4.52 309 eP P 20 10 02.8 +0.5
CIRR Tsrirk 4.52 309 eS P 20 10 54.6 +0.2

KMNR Kamenistaya 4.59 303 eP P 20 10 02.9 -0.3
KMNR Shiveluch 4.59 316 eP P 20 10 04.7 +1.4

NLC Nalytchevo 4.62 270 eP S 20 10 04.1 +0.6
NLC Nalytchevo 4.62 270 eS S 20 10 04.1 +0.4

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res. Includes stations like NLC Nalytchevo, KRKR Krestovoy, KLY Klyuchi, etc.

SDLR Sedlovina 4.93 271 I P P 20 10 07.8 +0.3
KZYR Kozzyrevsk 4.91 305 P S 20 10 08.4 +0.7

UGLO Uglovaya 4.93 271 I P P 20 10 08.6 +0.5
SMAR Somma 4.94 271 eP P 20 10 08.4 +0.7

AVH Avacha 4.98 271 eP S 20 11 06.1 +0.3
KOK Koryaka 5.04 272 I P P 20 10 09.9 +0.4

PET Petropavlovsk 5.06 269 P S 20 10 10.3 +0.5
PET Petropavlovsk 5.06 269 P S 20 10 07.9 +0.1

PET Petropavlovsk 5.06 269 eS S 20 11 07.9 +0.1
PET Petropavlovsk 5.06 269 ePN S 20 10 10.3 +0.5

comp=Z, 47nm, 0.4s pmax pmax 20 11 08.4 +0.6
comp=N, 49nm, 0.5s smax smax 20 11 07.9 +0.1

comp=E, 116nm, 0.6s smax smax 20 11 10.0 +0.3
SRDR Sredniny 5.12 307 eP P 20 11 09.2 -1.0

RUS Russkaya 5.25 262 P S 20 11 12.5 -0.1
RUS Russkaya 5.25 262 eS S 20 11 11.0 -1.8

KRMR Karymshinskiy 5.40 267 eP S 20 10 15.2 +0.6
KMRM Karymshinskiy 5.40 267 eS S 20 11 15.6 -0.8

GNL Ganaly 5.43 276 eP S 20 10 15.9 +0.9
GNL Ganaly 5.43 276 eS S 20 11 16.6 -0.5

ESO Esso 5.44 301 eP S 20 10 14.9 -0.3
ESO Esso 5.44 301 eS S 20 11 13.4 -4.1

comp=E, 30nm, 0.5s smax smax 20 10 16.5 +0.7
GRL Gorelyy 5.49 264 eP P 20 11 17.8 -0.8

GRL Gorelyy 5.49 264 eS S 20 11 23.6 +1.1
MIPR Malaya Ipe'ka 6.34 264 eP P 20 10 38.3 +0.5

PAU Puzhetka 6.56 257 eP P 20 10 31.3 +0.4
SKR Severo-Kuril's 7.28 252 ePN P 20 10 38.9 -2.0

ALID Alaid 7.52 255 eP P 20 10 43.4 -1.0
0.8nm, 0.5s, baz=45, slow=1, SNR=10

IDC 16 20:16:06.7, 2.0, 67.08N, 31.58E, mb1 3.1/4,
mb1mx3.0/17, ML2.8/4, Error ellipse: s-maj=22.7km
s-min=8.5km az=84.0

NAO 16 20:16:08.1, 1.0, 67.00N, 30.87E, ML2.9
HEL 16 20:16:08.6, 0.4, 66.93N, 31.16E, h7km, 2km, ML2.7,
ML2.9(NAO)

BER 16 20:16:08.8, 4.5, 66.95N, 31.03E, ML2.9(NAO)
ISC 16 20:16:05.4-0.5, 66.85N-0.02, 31.0E-0.1, h7km, n29,
c180/63, Baltic Seas - Belarus - Northwestern Russia

APA0 Apatity Array 1.08 44 eP P 20 16 27.1 0.0
APA0 Apatity Array 1.08 44 eS P 20 16 39.5 -0.7

APA0 Apatity Array 1.08 44 P P 20 16 27.1 0.0
baz=225, slow=18 Lg 20 16 39.5

MSF Maaseika 1.23 221 eP P 20 16 33.1 +4.6
MSF Maaseika 1.23 221 eS P 20 16 49.3 +4.8

SGF Sodankyl 1.85 291 eP P 20 16 41.7 +3.8
SGF Sodankyl 1.85 291 eS P 20 17 05.2 +3.5

OUL Oulu 2.74 232 eP P 20 16 55.4 +4.8
OUL Oulu 2.74 232 eS P 20 17 28.3 +3.9

KJN Kaajani 3.10 208 eP P 20 16 50.7 +5.0
KJN Kaajani 3.10 208 eS P 20 17 07.0 +3.7

KEV Kevo 3.28 305 eP P 20 16 59.2 +0.9
KEV Kevo 3.28 305 eS P 20 17 36.3 -1.7

ARA0 ARCESS Array S 3.39 325 P P 20 17 00.8 -1.9
baz=141, slow=16 Sn 20 17 38.6 -2.3

ARA0 ARCESS Array S 3.39 325 P P 20 17 48.8 -1.0
baz=128, slow=22 Lg 20 17 48.8

ARA0 ARCESS Array S 3.39 325 P P 20 17 00.8 +0.9
baz=143, slow=22 Lg 20 17 48.8

ARA0 ARCESS Array B 3.39 325 P P 20 17 38.6 -2.3
0.9nm, 0.3s, baz=136, slow=14, SNR=14, SNR=70

ARA0 ARCESS Array B 3.39 325 P P 20 17 48.8 +1.5
eS P 20 17 00.7 +0.8

ARCES ARCESS Array S 3.39 325 P P 20 17 39.9 -1.0
3.0nm, 0.3s, baz=135, slow=22, SNR=5.5 Sn 20 17 39.9 -1.0

ARCES ARCESS Array S 3.39 325 P P 20 17 49.5 -0.7
9.8nm, 0.3s, baz=141, slow=25, SNR=17 Lg 20 17 49.5

JOF Joensuu 3.95 178 eP P 20 17 08.7 +0.9
JOF Joensuu 3.95 178 eS P 20 17 54.1 -0.9

JOF Joensuu 3.95 178 eS P 20 17 11.9 -4.9
JOF Joensuu 3.95 178 eS P 20 17 16.1 +1.7

KIF Kilpisjarvi 4.42 304 eP P 20 18 05.9 +0.9
KIF Kilpisjarvi 4.42 304 eS P 20 17 21.6 +4.1

SUF Sumiainen 4.64 209 eP P 20 18 12.1 -5.6
SUF Sumiainen 4.64 209 eS P 20 18 37.0 -0.8

comp=Z, 20nm, 0.5s MSG MSG 20 17 29.0 +4.0
KAF Kangasniemi 5.17 205 eP P 20 18 26.1 +0.3

KAF Kangasniemi 5.17 205 eS P 20 18 49.9 +7.8
KAF Kangasniemi 5.17 205 eS P 20 18 51.5

VAF Ylistaro 5.21 227 eP P 20 17 26.7 +1.0
VAF Ylistaro 5.21 227 eS P 20 18 28.3 +1.5

VRO Tromso 5.29 307 eP P 20 17 26.6 -0.2
VRO Tromso 5.29 307 eS P 20 17 31.8 +3.5

KEF Keuruu 5.39 212 eP P 20 18 32.1 +0.7
KEF Keuruu 5.39 212 eS P 20 18 50.5 +5.1

FINA0 FINES Array S 5.84 204 eP P 20 17 37.0 +2.5
FINA0 FINES Array S 5.84 204 eS P 20 18 41.5 +1.0

FINA0 FINES Array S 5.84 204 eS P 20 19 09.9 -1.0
baz=18, slow=14 Sn 20 17 37.8 +3.3

FINA0 FINES Array S 5.84 204 eS P 20 18 42.6 +0.1
baz=20, slow=28 Lg 20 19 02.8

FINES FINES Array B 5.84 204 P P 20 17 37.8 +3.3
baz=21, slow=28 Lg 20 18 42.6 +0.1

comp=Z, 0.3nm, 0.3s, baz=25, slow=14, SNR=16 Sn 20 18 45.3 +2.8

FINES FINES Array B 5.84 204 P P 20 18 45.3 +2.8
comp=Z, 0.3nm, 0.3s, baz=26, slow=22, SNR=9.6 Lg 20 19 13.6

comp=Z, 3.0nm, 0.3s, baz=27, slow=26, SNR=11 Pn 20 17 43.7 -0.4
VJF Virojoki 6.52 195 eP P 20 18 57.2 -2.3

VJF Virojoki 6.52 195 eS P 20 19 30.5 -1.2
VJF Virojoki 6.52 195 eS P 20 19 30.5 -1.2

PVF Pernaja 6.73 202 eP P 20 19 03.9 -0.8
PVF Pernaja 6.73 202 eS P 20 19 37.3 -1.2

comp=Z, 5.2nm, 0.4s MSG MSG 20 19 42.5

LOF Lotofen 6.83 289 eS P 20 19 40.4 -1.2
MEF Metsahovi 7.28 207 eP P 20 19 55.6 +0.9

MEF Metsahovi 7.28 207 eS P 20 19 55.5 -1.0
MEF Metsahovi 7.28 207 eS P 20 19 54.3 -1.3

MEF Metsahovi 7.28 207 eS P 20 19 58.5

comp=Z, 4.5nm, 0.4s MSG MSG 20 19 58.5

NSS Namfors 8.19 262 eS P 20 20 25.9 -1.2
HFS Hagfors 10.23 237 P P 20 20 35.6 +0.1

baz=41, slow=14 Sn 20 20 27.3 -4.2
HFS Hagfors 10.23 237 eS P 20 21 24.3

baz=42, slow=28 Lg 20 21 24.3

baz=65, slow=37 Lg 20 21 24.3

HFS Hagfors 10.23 237 eP P 20 20 27.3 -4.2

HFS Hagfors 10.23 237 eS P 20 21 24.3

HFS Hagfors 10.23 237 eS P 20 21 24.3

HFS Hagfors 10.23 237 Pn P 20 21 35.6 +0.1









Table with columns for station name, frequency, power, and signal quality. Includes stations like ANN, SZAC, CTKT, etc.

Table with columns for station name, frequency, power, and signal quality. Includes stations like MRLR, GSPA, OUR, etc.

Table with columns for station name, frequency, power, and signal quality. Includes stations like VKA, Vienna, DPC, etc.

16d 21h

comp=Z,logA/T=1.4,m5.6

Table with columns for station call letters, frequency, and other identifiers. Includes stations like MOX, KMOX, MOTA, GR1, NSS, KBS, YKA, etc.

2004 APR

Table with columns for station call letters, frequency, and other identifiers. Includes stations like YKA, YKA, YKA, Rikutea, East Falkland, etc.

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Table with columns for station call letters, frequency, and other identifiers. Includes stations like Waterville, SADO, SADO, SADO, Jewell Farm, etc.







Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HWUT Hardware Ranch, REDV Red Top Meadow, ULM Lac du Bonnet, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KIWK Kapiti Island, MTW Mount Morrison, CAW Cannon Point, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MKAR Makanchi Array, ZAL 2.4nm,0.8s,mbz=146, etc.

IDC 17 00:18:39.3±0.5, 38.455±176.9E, h144km, 3km, mb4.1/7, mb1 4.2/8, mb1mx4.1, 1/4.1, Error ellipse: s-maj=19.6km s-min=14.4km az=127.0

WEL 17 00:18:41.7±0.2, 38.005±176.69E, h133km, 1km, ML5.5/7, Error ellipse: s-maj=1.3km s-min=1.1km az=90.0

NEIC 17 00:18:41.3, 37.98S±176.68E, h138km, mb4.4/1, After WEL

NEIC Felt in the Bay of Plenty area, ISC 17 00:18:39.1±0.3, 38.16S±176.81E, h155km, 3km, n159, ±129/152, mb4.2/8, 19C-2D, North Island

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like EDRZ Edgecumbe, MARZ Manawatu, TAZ Tarawera, etc.

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

NEIC 17 00:24:33.1±2.2, 5.38S±102.27E, mb4.6/4, Error ellipse: s-maj=99.1km s-min=12.8km az=53.0

IDC 17 00:24:35.0±1.7, 5.21S±102.61E, h45km, 5km, mb3.7/8, mb1 3.8/8, mb1mx3.7/15, Error ellipse: s-maj=77.9km s-min=12.2km az=55.0

ISC 17 00:24:30.5±1.6, 5.5S±102.1E, 0.4, h45km, h45km±8km, pP-p, n17, ±104/16, mb4.2/12, Southern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, WRA Warramunga Arr, etc.

MOS 17 00:37:22.8±1.0, 36.62N±71.84E, h73km, mb4.3/4, Error ellipse: s-maj=16.3km s-min=8.8km az=112.2

NINC 17 00:37:28.0±1.7, 36.75N±71.54E, h115km, 73km, mpv4.4, Error ellipse: s-maj=58.7km s-min=46.6km az=27.0

IDC 17 00:37:30.0±0.5, 36.64N±71.72E, h123km, 52km, mb3.5/11, mb1 3.7/14, mb1mx3.6/20, Error ellipse: s-maj=22.4km s-min=16.1km az=5.0

BUI 17 00:37:30.4, 36.60N±72.20E, h160km, mb4.1 SMLA

NEIC 17 00:37:30.5±0.5, 36.58N±72.22E, h160km, mb4.2/10, Error ellipse: s-maj=13.4km s-min=7.1km az=224.0

ISC 17 00:37:25.0±1.5, 36.50N±71.03E, h103km, 7km, n65, ±181/76, mb3.9/15, 2C-4D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like CEP Cherat, CHCP Chirah Chowk, SHBD Sheikh Budin, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NB2 NORSAR Subarra, NOA NORSAR Array B, VAE Valgarnera, etc.

IDC 17 00:44:35.6:1.6, 4.81S: 102.98E, mb4.0/11, mb1 4.2/11, mb1mx4.1/16, Error ellipse: s-maj=81.2km s-min=14.5km az=53.0

NEIC 17 00:44:37.0:0.5, 4.59S: 103.24E, h10km, mb4.6/2, Error ellipse: s-maj=26.8km s-min=6.8km az=52.0

ISC 17 00:44:35.9:0.9, 4.65S: 0.2, 103.2E: 0.2, h10km, n20, -0.67/19, mb4.1/13, Southern Sumaterra

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.

WAR 17 00:48:07.4, 50.25N: 18.90E, ML2.2, Mining Induced

NEIC 17 00:48:07.6: 1.1, 50.24N: 18.92E, h5km, Error ellipse: s-maj=17.5km s-min=9.0km az=204.0

PRU 17 00:48:08.2, 50.27N: 18.79E

ISC 17 00:48:05.0: 0.8, 50.30N: 0.06, 18.83E: 0.04, n11, t192/18, Poland

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

BUI 17 01:04:27.4, 30.20N: 68.10E, h10km, mb4.4, Ms4.9

NEIC 17 01:04:27.4: 0.9, 30.22N: 68.06E, h10km, mb4.6/4, Error ellipse: s-maj=21.2km s-min=6.2km az=209.0

IDC 17 01:04:27.9: 1.2, 30.48N: 67.93E, mb3.9/11, mb1 4.1/12, mb1mx4.0/19, ML3.3/9.1, MS3.7/5, Ms1 3.7/5, ms1mx3.3/30, Error ellipse: s-maj=36.0km s-min=18.6km az=49.0

MOS 17 01:04:30.7: 1.5, 30.42N: 68.10E, h33km, mb4.3/1, Error ellipse: s-maj=16.3km s-min=11.4km az=106.1

NNC 17 01:04:35.3: 2.4, 30.83N: 67.99E, h19km, mb2.229km, Error ellipse: s-maj=147.3km s-min=99.5km az=3.0

ISC 17 01:04:28.2: 2.2, 30.49N: 0.05, 68.25E: 0.04, h14km, 14km, n6, t192/67, mb3.8/14, MS3.6/5, T, C, Pakistan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JASL Jaisalmer, AJM Ajmer, KHET Khetri, etc.

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

IDC 17 01:19:26.0: 2.4, 5.11S: 102.92E, h36km, 6km, mb3.7/8, mb1 3.9/8, mb1mx3.7/15, MS3.5/2, Ms1 3.6/2, ms1mx3.0/21, Error ellipse: s-maj=105.0km s-min=13.8km az=56.0

NEIC 17 01:19:27.1: 1.8, 4.70S: 103.44E, mb4.4/2, Error ellipse: s-maj=87.3km s-min=9.5km az=54.0

ISC 17 01:19:37.1: 1.3, 2.95S: 0.4, 106.2E: 0.5, h38km, h38km, 3.8km, p-P, n19, t150/18, mb4.2/14, MS3.4/2, Southern Sumaterra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CM31 Chiang Mai Arr, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

IDC 17 01:28:32.0: 0.6, 5.47S: 147.97E, h99km, 4km, mb4.4/13, mb1 4.7/16, mb1mx4.6/18, MS3.3/4, Ms1 3.3/4, ms1mx3.0/21, Error ellipse: s-maj=17.8km s-min=11.1km az=84.1

MOS 17 01:28:35.0: 0.7, 5.58S: 147.74E, h144km, mb3.8/6, Error ellipse: s-maj=19.0km s-min=11.4km az=84.1

BUI 17 01:28:37.3: 5.90S: 147.29E, h145km, mb4.9, mb4.8

NEIC 17 01:28:37.0: 3.0, 6.15S: 147.91E, h149km, 5km, mb4.6/7, Error ellipse: s-maj=7.8km s-min=6.3km az=102.0

ISC 17 01:28:35.0: 0.3, 5.55S: 0.04, 147.87E: 0.06, h139km, h139km, 2.6km, p-P, n68, t192/66, mb4.6/27, 7C-1D, Eastern New Guinea region

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

LDG 17 01:21:19.8: 0.1, 45.70N: 6.90E, h2km, Md2.6/2, Ml2.6/23, Error ellipse: s-maj=2.8km s-min=1.5km az=86.0

NEIC 17 01:21:19.8: 45.70N: 6.90E, h2km, Ml2.7(GE), Ml2.6(LDG), Ml2.0(ZUR), After LDG

ZUR 17 01:21:19.8: 45.75N: 6.98E, h10km, Ml2.0/9

ISC 17 01:21:17.6: 0.2, 45.73N: 0.01, 6.81E: 0.02, h3km, 3km, n53, t190/97, 8C-5D, France

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

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

IDC 17 01:28:32.0: 0.6, 5.47S: 147.97E, h99km, 4km, mb4.4/13, mb1 4.7/16, mb1mx4.6/18, MS3.3/4, Ms1 3.3/4, ms1mx3.0/21, Error ellipse: s-maj=17.8km s-min=11.1km az=84.1

MOS 17 01:28:35.0: 0.7, 5.58S: 147.74E, h144km, mb3.8/6, Error ellipse: s-maj=19.0km s-min=11.4km az=84.1

BUI 17 01:28:37.3: 5.90S: 147.29E, h145km, mb4.9, mb4.8

NEIC 17 01:28:37.0: 3.0, 6.15S: 147.91E, h149km, 5km, mb4.6/7, Error ellipse: s-maj=7.8km s-min=6.3km az=102.0

ISC 17 01:28:35.0: 0.3, 5.55S: 0.04, 147.87E: 0.06, h139km, h139km, 2.6km, p-P, n68, t192/66, mb4.6/27, 7C-1D, Eastern New Guinea region

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

LDG 17 01:21:19.8: 0.1, 45.70N: 6.90E, h2km, Md2.6/2, Ml2.6/23, Error ellipse: s-maj=2.8km s-min=1.5km az=86.0

NEIC 17 01:21:19.8: 45.70N: 6.90E, h2km, Ml2.7(GE), Ml2.6(LDG), Ml2.0(ZUR), After LDG

ZUR 17 01:21:19.8: 45.75N: 6.98E, h10km, Ml2.0/9

ISC 17 01:21:17.6: 0.2, 45.73N: 0.01, 6.81E: 0.02, h3km, 3km, n53, t190/97, 8C-5D, France

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

LDG 17 01:21:19.8: 0.1, 45.70N: 6.90E, h2km, Md2.6/2, Ml2.6/23, Error ellipse: s-maj=2.8km s-min=1.5km az=86.0

NEIC 17 01:21:19.8: 45.70N: 6.90E, h2km, Ml2.7(GE), Ml2.6(LDG), Ml2.0(ZUR), After LDG

ZUR 17 01:21:19.8: 45.75N: 6.98E, h10km, Ml2.0/9

ISC 17 01:21:17.6: 0.2, 45.73N: 0.01, 6.81E: 0.02, h3km, 3km, n53, t190/97, 8C-5D, France

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

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

GUC 1701:33:43.6, 0.7, 4.28S, 73.88W, h44km, 4km, ML4.2
ISC 17:01:33:47.2, 1.0, 4.14S, 0.06:73.8W, 0.2, h25km, 15km, n6,
c1:06:10, 3C-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 Temuco, Chillan, Neumayer Olymp, etc.

BUI 17 02:38:29.4, 2.20S, 170.00E, h10km, mb4.8
NEIC 17 02:38:29.4, 0.2, 2.27S, 170.01E, h10km, mb4.7, Error
ellipse: s-maj=15.6km, s-min=9.6km, az=174.0

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

NEIC 17 02:58:55.0, 0.8, 2.16N, 95.70E, Error ellipse:
s-maj=33.3km, s-min=14.4km, az=67.0
ISC 17 02:58:55.1, 1.6, 2.43N, 95.86E, h2km, 4km, mb4.0/7,
mb1.4/1.8, mb1mx3.8/17, ML4.1/1, Error ellipse:
s-maj=9.9km, s-min=19.9km, az=56.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SONM Songino Array, KURK Kurchat, ZAL Zalesovo, etc.

SYO 17 03:01:23.8, 20.17s, 65.15W, h333km, MB4.1, NEIC 17 03:01:23.8, 20.17s, 65.15W, h333km, 7km, mb4.1/7, Error ellipse: s-maj=13.9km s-min=6.6km az=48.0

ISC 17 03:01:23.8, 20.17s, 65.15W, 0.09, h341km, gkm, n45, e190/43, mb4.3/19, 7C, Southern Blower

Main table of station data for the first section, including stations like LPAZ La Paz, ARE Arequipa, CPUP Villa Florida, etc.

DC 17 03:06:54.6, 41.0, 46.41N, 150.33E, h581km, 333km, mb2.6/4, mb1 2.7/4, mb1mx2.4/21, Error ellipse: s-maj=659.0km s-min=164.9km az=151.0, Kuril Islands

Table of station data for the second section, including stations like SONM Songino Array, MKAR Makanchi Array, BVAR Borovoye Array, etc.

DJA 17 03:12:41.5, 1.2, 8.67S, 116.32E, h33km, MD4.8/3, ML3.7/1, 2C-1D, Error ellipse: s-maj=37.3km s-min=13.4km az=135.0, Sumbawa region

Table of station data for the third section, including stations like KEDI Kedondong, RATI Rata, INGI Ingas, etc.

INMG 17 03:23:14.7, 0.8, 36.34N, 8.35W, ML2.0, Error ellipse: s-maj=5.4km s-min=3.0km az=59.0

MDD 17 03:23:14.2, 1.6, 36.29N, 8.43W, h8km, 7km, mb1g1.6/3, Error ellipse: s-maj=16.3km s-min=7.8km az=41.0, PRXIMO

NEIC 17 03:23:15.3, 36.22N, 8.43W, h20km, MN1.5(MDD), After MDD

ISC 17 03:23:12.6, 1.2, 36.30N, 0.05x8.37W, 0.06, h8km, n21, e151/42, West of Gibraltar

Table of station data for the fourth section, including stations like PTEO Sao Teotonio, RATI Rata, INGI Ingas, etc.

Table of station data for the fifth section, including stations like EGRO El Granado, EGRO El Granado, PBEJ Beja, etc.

NEIC 17 03:35:24.5, 0.3, 0.02S, 71.59W, h48km, MD3.5(GUC), After GUC

GUC 17 03:35:24.5, 0.3, 0.02S, 71.59W, h48km, 3km, MD3.5, ML2.9, 3C-1D, Near coast of central Chile

Table of station data for the sixth section, including stations like LSCH La Serena, LSCH La Serena, OVCH Ovalle, etc.

THE 17 03:38:37.7, 39.15N, 30.03E, h10km, ML4.6, ISK 17 03:38:40.4, 39.14N, 29.48E, h7km, MD4.0, ML4.1

DC 17 03:38:40.9, 1.2, 39.34N, 29.33E, mb3.5/5, mb1 3.7/10, mb1mx3.6/23, ML3.6/4, Error ellipse: s-maj=29.9km s-min=17.6km az=60.0

NEIC 17 03:38:43.2, 0.7, 39.19N, 29.46E, h15km, mb3.9/10, ML4.3(7HE), Error ellipse: s-maj=9.4km s-min=7.8km az=96.0

ISC 17 03:38:40.7, 0.6, 39.15N, 0.02, 29.46E, 0.02, h8km, 5km, n102, e98/94, mb3.5/7, 8C, Turkey

Table of station data for the seventh section, including stations like ALT Altintas, DST Dursunbey, KHL Karahalli, etc.

DC 17 04:13:04.8, 1.4, 34.73S, 109.11W, mb3.9/3, mb1 4.3/3, mb1mx3.9/16, MS3.5/1, Mst 3.6/1, ms1mx3.2/20, Error ellipse: s-maj=53.0km s-min=38.7km az=166.0

NEIC 17 04:13:06.2, 0.8, 34.72S, 109.09W, h10km, mb4.3/9, Error ellipse: s-maj=21.8km s-min=17.3km az=74.0

ISC 17 04:13:07.0, 8.34, 34.85S, 0.1, 109.3W, 0.3, h10km, n14, e18/18/12, mb4.0/6, MS3.5/1, 2D, Southern East Pacific Rise

Table of station data for the eighth section, including stations like LPAZ La Paz, LPAZ La Paz, CPUP Villa Florida, etc.

Table of station data for the ninth section, including stations like THR6 Thira Island, AOS Alonissos, CTKT Corum, etc.

PRU 17 03:59:48.5, 51.47N, 16.16E, PAR 17 03:59:49.1, 51.48N, 16.11E, ML2.6, Mining Induced

NEIC 17 03:59:50.9, 1.9, 51.36N, 15.94E, h5km, Error ellipse: s-maj=1.2km s-min=0.7km az=205.0

ISC 17 03:59:45.9, 1.2, 51.50N, 0.06, 16.11E, 0.06, n12, e109/24, Poland

Table of station data for the tenth section, including stations like KSP Ksiaz, KSP Ksiaz, UPC Ujpec, etc.

DC 17 04:13:04.8, 1.4, 34.73S, 109.11W, mb3.9/3, mb1 4.3/3, mb1mx3.9/16, MS3.5/1, Mst 3.6/1, ms1mx3.2/20, Error ellipse: s-maj=53.0km s-min=38.7km az=166.0

NEIC 17 04:13:06.2, 0.8, 34.72S, 109.09W, h10km, mb4.3/9, Error ellipse: s-maj=21.8km s-min=17.3km az=74.0

ISC 17 04:13:07.0, 8.34, 34.85S, 0.1, 109.3W, 0.3, h10km, n14, e18/18/12, mb4.0/6, MS3.5/1, 2D, Southern East Pacific Rise

Table of station data for the eleventh section, including stations like LPAZ La Paz, LPAZ La Paz, CPUP Villa Florida, etc.

NEIC 17 04:24:20.8, 0.3, 90.92S, 71.68W, h28km, ML3.5(GUC), After GUC

GUC 17 04:24:20.8, 0.3, 90.92S, 71.68W, h28km, 4km, MD3.8, ML2.5, 5C-1D, Near coast of central Chile









Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include SOC, comp=Z,10.0nm,0.7s, comp=N,6.0nm,0.4s, etc.

NEIC 17 04:41:34.5, 32.28S, 71.80W, h12km, ML3.1 (GUC), After GUC.

GUC 17 04:41:34.5, 0.3, 32.28S, 71.80W, h12km, 2km, MD3.6, ML3.1, 11C-3D, Near coast of central Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include PACH, PACH, PTCH, PTCH, IHA, IHA, ILCH, ILCH, etc.

IDC 17 04:48:34.9, 0.7, 24.31S, 175.95W, mb4.3/16, mb1 4.5/18, mb1mx4.5/21, ML4.6/2, Error ellipse: s-maj=27.2km s-min=16.2km az=151.0

BUI 17 04:48:36.3, 24.30S, 175.90W, h10km, mb5.0, Msz5.2

NEIC 17 04:48:36.3, 0.3, 24.34S, 175.94W, h10km, mb4.8/11, Error ellipse: s-maj=13.9km s-min=9.4km az=140.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include URZ, RAR, RPZ, CTA, STKA, STKA, PMG, PMG, ASAR, ASAR, WRB, WRB, WRA, WRA, VNA, VNA, VNA, VNA, VNA, VNA, etc.

IDC 17 04:50:47.5, 27.0, 19.10S, 173.85W, mb4.2/4, mb1 4.3/4, mb1mx3.8/16, Error ellipse: s-maj=499.0km s-min=149.9km az=74.0, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include CTA, STKA, ASAR, WRA, etc.

ROM 17 05:14:14.5, 0.4, 38.72N, 17.13E, h10km, MD3.8/3, ML3.7/16, Error ellipse: s-maj=5.2km s-min=2.3km az=90.0

LDG 17 05:14:14.8, 0.8, 38.77N, 17.44E, h10km, Mb5.1/7, Ms3.6/6, Error ellipse: s-maj=44.3km s-min=21.4km az=35.0

IDC 17 05:14:14.3, 0.1, 39.02N, 16.76E, mb3.9/9, mb1 4.0/15, mb1mx3.9/26, ML4.0/6, MS3.8/3, Ms1 3.9/3, ms1mx3.6/22, Error ellipse: s-maj=17.5km s-min=16.0km az=147.0

NEIC 17 05:14:14.6, 38.72N, 17.13E, h10km, mb3.9/10, MD4.1(PDG), MD3.8(ROM), After ROM.

PDG 17 05:14:15.1, 0.7, 38.83N, 17.12E, h20km, 2km MOS 17 05:14:15.3, 1.6, 38.96N, 17.30E, h10km, mb4.5/5, Error ellipse: s-maj=19.7km s-min=9.2km az=70.7

THE 17 05:14:18.8, 38.74N, 16.99E, h20km, ML4.5

ISC 17 05:14:15.0, 0.2, 38.95N, 0.02, 16.93E, 0.02, h10km, n207, s1943/244, mb4.0/12, MS4.0/5, 8C-11D, Southern Italy

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include SOI, SOI, SOI, SOI, SOI, SOI, etc.

MEU Monte Soro 2.03 241 ePN Pn 05 14 50.3 +1.1

MEU Monte Soro 2.03 241 ePN Pn 05 14 50.3 +1.0

MEU Monte Soro 2.03 241 ePN Pn 05 14 50.3 +1.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include PZI, VAE, VAE, VAE, VAE, VAE, etc.

17d 5h

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

2004 APR

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Yellowknife Ar, Alice Springs, etc.

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Table with columns: Station Name, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Neumayer-Watz, Neumayer-Stat, etc.

CMCH Combarbala 3.39 200 JIP P 05 43 37.3 -0.9
CMCH comp=E,268nm,0.5s AMP

NEIC 17 05:52:45.7, 35.04N-4.14W, MG3.4(MDD), After MDD,
MDD 17 05:52:45.7, 35.04N-4.14W, h21km, 2.7km, mb3.6/7,
Error ellipse: s-maj=29.6km s-min=9.0km az=10.0,

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

INMG 17 06:07:48.0, 3.4, 36.14N-8.45W, h26km, 4km, ML1.8, Error
ellipse: s-maj=5.1km s-min=2.9km az=77.0

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

NEIC 17 06:13:01.8, 1.0, 20.49S, 168.63E, h10km, Error ellipse:
s-maj=24.2km s-min=17.3km az=151.0

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

IDC 17 06:47:38.6, 1.3, 3.52S, 144.40E, mb3.6/5, mb1 3.8/6,
s-min=21.6km az=105.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like PIAM, WRAB, WB2, etc.

NEIC 17 07:15:24.7, 1.2, 29.71N-81.05E, h10km, mb4.1/1, Error
ellipse: s-maj=27.6km s-min=13.2km az=215.0

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

JOSI eS AML 07 16 07.7 -4.2
JOSI AML 07 16 15.1

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

MEX 17 07:29:43.3, 1.3, 16.02N-97.19W, h16km, 1.3km, MD3.9
NEIC 17 07:29:43.4, 16.04N-97.20W, h16km, MD3.9(MEX), After
MEX

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

NEIC 17 07:31:51.0, 1.6, 5.59S, 148.12E, h201km, 13km, mb4.7/1,
Error ellipse: s-maj=39.5km s-min=18.2km az=122.0

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

IDC 17 07:48:03.9, 2.9, 10.86S, 166.08E, h27km, 18km, mb4.9/19,
mb1 5.0/20, mb1 mx3.0/21, ML3.7/1, MS4.8/16, Ms1 4.8/16,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like WB2, WRA, AS12, etc.

MOS 17 07:48:04.5, 1.2, 10.81S, 165.88E, h33km, mb5.5/13,
MS4.8/5, Error ellipse: s-maj=13.1km s-min=11.8km
az=87.8

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

CTA Charters Tower 20.95 242 eP P 07 52 48.6 +1.7

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

CTA Charters Tower 20.95 242 eP P 07 52 48.6 +1.8

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

CTA Charters Tower 20.95 242 eP P 07 52 48.6 +1.8

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

CTA Charters Tower 20.95 242 eP P 07 52 48.6 +1.8

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







ISC 17 07:51:27.3:1.1, 5.75r:0.2, 104.3E:0.3, h33km, n27, 0898/15, mb4.5/10, MS4.6/1, 1C, Southern Sumatra

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like FITZ, CMAR, WRA, WRAB, OZH, AS12, ASAR, WHN, STKA, KS15, MKAR, BVAR, CHKZ, FINES, YKA, WMOK, LTX, TXAR, ACSO, BDFB, WCI, JCT, MIAR, WWT, PLAL.

NEIC 17 08:38:39.2, 28.94S:71.16W, h41km, MD3.6(GUC), After GUC.

GUC 17 08:38:39.2, 28.94S:71.16W, h41km, MD3.6, ML3.0, 3C-1D, Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like VACH, LSCH, TLL, OVCH, CPCH, CMCH.

NAO 17 08:40:26.5:2.0, 71.20N:6.99W, BER 17 08:40:28.1:1.1, 71.15N:6.96W, h3km:24km, MD3.5, ML3.7

NEIC 17 08:40:28.3, 71.06N:6.94W, MD3.5(BER), After BER. ISC 17 08:40:29.0:5.5, 71.01N:0.1:6.49W, h0.83km, n14, 0886/18, 4C, Jan Mayen Island region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like JNE, JNW, JMJC, JMI, LOF, STOK, TRO, MORB, KBS, NSS, ARAO, HFS, FIAO.

ISC 17 08:55:43.4:1.1, 10.185S:175.49W, mb4.1/3, mb1 4.3/3, mb1mx3.9/14, 2D, Error ellipse: s-maj=362.0km s-min=66.9km az=131.0, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like WRA, ASAR, VNA3, SONM.

NEIC 17 09:06:05.1, 31.99S:71.59W, h25km, ML2.4(GUC), After GUC.

GUC 17 09:06:05.1, 31.99S:71.59W, h25km, MD3.5, ML2.4, 2C, Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ILCH, PTCH.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like PTCH, CMCH, PEL, FCH, TLL.

IDC 17 09:14:36.6:2.0, 0.71S:136.36E, mb3.7/4, mb1 3.9/5, mb1mx3.7/14, ML3.6/1, MS3.1/1, Ms1 3.1/1, ms1mx2.6/17, Error ellipse: s-maj=72.3km s-min=23.7km az=79.0

NEIC 17 09:14:38.1:1.3, 0.71S:136.40E, h10km, mb4.0/1, Error ellipse: s-maj=44.0km s-min=14.8km az=80.0

ISC 17 09:14:36.1:1.9, 0.75S:0.2:136.4E:0.4, h10km, n9, 0840/8, mb3.8/3, MS2.9/1, Irian Jaya region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like WRAB, WB2, WRA, FITZ, TGY, AS12, ASAR, STKA, MKAR.

ATH 17 09:30:24.3, 38.69N:20.56E, h15km:1km, MD3.5/6, NEIC 17 09:30:24.3, 38.69N:20.56E, h15km, MD3.5(ATH), After ATH.

THE 17 09:30:26.7, 38.69N:20.57E, h10km, ML3.2, ISC 17 09:30:23.1:1.1, 38.58N:0.03:20.40E:0.08, h4km:8km, n18, 0199/24, 1C, Greece

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like LKD, VLS, IGT, JAN, EJV, KEK, MEV, AGG, ITM, LIT, XOR, FNA, VLI, AOS, GRG, PAIG, KNT, OUR.

NEIC 17 09:41:40.7, 30.86S:71.79W, h29km, ML2.8(GUC), After GUC.

GUC 17 09:41:40.7, 30.86S:71.79W, h29km, MD3.5, ML2.8, 5C-1D, Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like OVCH, GYA, CMCH, ILCH, LSCH, TLL, PTCH.

IDC 17 09:51:01.9:1.6, 14.84S:177.49W, mb3.8/7, mb1 4.0/7, mb1mx3.9/15, Error ellipse: s-maj=102.0km s-min=20.8km az=148.0

ISC 17 09:51:13.0:1.4, 14.9S:0.6:177.6W:0.4, h100km, n7, 0834/7, mb3.6/7, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like STKA, WRA, ASAR, FITZ, NVAR, ILAR, TXAR.

BUI 17 10:56:37.5, 11.46N:144.37E, h70km, mb5.1, mb4.9, MD4.5, MS24.7

IDC 17 10:56:37.0:0.5, 12.23N:143.95E, mb4.6/25, mb1 4.7/25, mb1mx4.7/27, MS4.1/22, Ms1 4.1/22, ms1mx4.0/29, Error ellipse: s-maj=20.5km s-min=11.0km az=83.0

MOS 17 10:56:41.6:1.0, 12.09N:143.76E, h48km, mb5.0/11, Error ellipse: s-maj=23.6km s-min=9.5km az=109.1

HRVU 17 10:56:46.0:0.5, 12.19N:143.74E, h75km:4km, MW5.0/32, Centroidal Moment Tensor Solution, LP body waves, s/22; Mantle waves: s39, c64; Half duration: 0. Moment tensor: Scale 10^19Nm; Mr:3.62E+13; Mw:4.05E+17; M0:0.43E+21; M0:0.25E+16; Mw:1.09E+13; Mw:0.33E+11; Best double couple: M3.99x10^16 NP1:250°, 644°, λ80°. NP2:30°, 84°, 647°, λ100°. Principal axes: T:3.67, P:4.37, N:6.4, P:4.37, Azm257°; P-4.3, P:1.3, Azm167°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 17 10:56:46.0:0.2, 12.15N:143.76E, h70km, mb5.0/30 Error

ellipse: s-maj=7.7km s-min=5.5km az=93.0, ISC 17 10:56:43.5:1.4, 12.11N:104.143.72E:0.05, h6km:12km, h65km:2.9km, pp-P, n134, 0898/134, mb4.8/75, 1C-5D, South of Mariana Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like JOW, JHJ, PMG, TGY, JNU, MAT, KAKA, SSE, NJ2, ASAJ, CTA, WRAB, WRA, QIZ, MDJ, YSS, FITZ, CN2, ENSH, AS12, ASAR, BJT, GYA, HHC, DZM, KMI, CD2, ARMA, LZH, STKA, FOR, ULN, SONM, GAT.





Table with columns: JHR, Hokyryu, Time, Res, etc. Rows include JHR, JRY, JRY.

NEIC 17 12:10:52.0,3.2,20.63S:178.60W,h590km,41km,mb4.2/6, Error ellipse: s-maj=29.1km s-min=15.6km az=178.0

IDC 17 12:10:52.6,5.0,20.67S:178.56W,h596km,61km,mb3.2/9, mb1.3/10,mb1mx3.1/5, Error ellipse: s-maj=42.4km s-min=21.2km az=172.0

ISC 17 12:10:51.1,0.6,20.65S:178.7W,0.1,h590km,n26, o#86/20,mb3.9/14,2D,Fiji Islands region

Main table for the first section with columns: Code, Station Name, Az, AzT, Phase ID, Time, Res, etc. Includes stations like URZ, CTA, CTAO, STKA, etc.

NIED 17 12:39:00,20.70N,122.60E,h59km,Mw4.0. Best double couple: M1.23x10^15 NP1.9x50^0, delta^0, 1.132^0. NP2.7x169^0, delta^0, 1.41^0

JMA 17 12:39:51.2,0.4,20.67N:122.60E,h1km,M4.1 IDC 17 12:40:08.4,7.6,20.88N:121.58E,h124km,64km,mb3.1/5, mb1.3/4,mb1mx3.1/8,MS2.9/2,MS1.2/9,ms1mx2.7/14, Error ellipse: s-maj=6.7km s-min=31.1km az=155.0

ISC 17 12:39:52.7,1.9,20.50N,0.1,122.5E,0.2,h47km,24km,n15, o#511/18,mb3.5/5,Philippine Islands region

Main table for the second section with columns: Code, Station Name, Az, AzT, Phase ID, Time, Res, etc. Includes stations like HATJ, YOJ, JYU, etc.

ORF 17 12:39:18.0,23.65S:179.89E,h30km,mb6.5 BUJ 17 12:40:14.7,23.21S:179.51W,h541km,mb5.2,mb5.4 MOS 17 12:40:15.7,0.9,23.56S:179.99E,h544km,mb5.7/6, Error ellipse: s-maj=14.9km s-min=13.2km az=119.3

NEIC 17 12:40:15.6,0.1,23.68S:179.98W,mb5.3/49, Error ellipse: s-maj=5.4km s-min=2.7km az=112.0 SYO 17 12:40:15.6,23.68S:179.98W,h543km,MB5.3 HRVD 17 12:40:15.6,0.2,23.66S:179.92W,h551km,1km, MW5.6/73,Centroid moment tensor Solution. LP body waves: s73,c120; Hall duration: 155 Moment tensor: Scale 1.017Nm; Mr=2.36e-05; Mw=1.62e-09; Mo=1.21e-09; Mn=0.42e-10; Mv=0.78e-08; Ms=1.55e-09; Best double couple: M1.68x10^17 NP1.0x127^0, delta^0, 1.111^0; NP2: delta^0, 331^0, delta^0, 79^0; Principal axes: P:2.41,Plig17, Azm53^0; N:54,Plig10^0; Azm146^0; P-2.94,Plig70^0, Azm265^0; nsta1 refers to body waves, cutoff=40s

IDC 17 12:40:16.8,0.4,23.69S:179.97E,h547km,3km,mb5.0/24, mb1.5/0/26,mb1mx5.0/26 Error ellipse: s-maj=8.9km s-min=6.0km az=160.0

ISC 17 12:40:15.3,0.1,23.72S:0.02,179.96E,0.03,h544km, h544km,1.0km,pp-P,n880,o1911/405,mb5.3/95,91C-155D, South of Fiji Islands

Main table for the third section with columns: Code, Station Name, Az, AzT, Phase ID, Time, Res, etc. Includes stations like BKM, DZM, DZM, etc.

Main table for the middle section with columns: Code, Station Name, Az, AzT, Phase ID, Time, Res, etc. Includes stations like WTAZ, TGRZ, TGRZ, etc.

Main table for the right section with columns: Code, Station Name, Az, AzT, Phase ID, Time, Res, etc. Includes stations like CTA, CTA, CTA, etc.

Table with columns for location, time, and status. Includes entries like Guinayangan, Boac, San Jose, Hachijo jima, Coron, Batast, etc.

Table with columns for location, time, and status. Includes entries like Shenyang, Changchun, Tungsten Hill, Yreka Blue Hor, etc.

Table with columns for location, time, and status. Includes entries like KMI, KMI, KMI, Waterville, Nelson Butte, etc.



Table with columns for call sign, name, frequency, and other details. Includes entries like HAQS Haql, ESXK Eskdalemir, TAYVS Tayyib Ism, etc.

Table with columns for call sign, name, frequency, and other details. Includes entries like PVCC Panska Ves, KHL Karahallii, JMB Yambol, etc.

Table with columns for call sign, name, frequency, and other details. Includes entries like STU Siskak, FUR Furstenfeldbr, LANF Langenberg, etc.









ELDT	Eldivan	73.96 313	i P	P	13 13 19.1 +1.0
PSN	Presentis	74.03 318	i P	P	13 13 19.0 +0.6
PSN	Presentis	74.03 318	i P	P	13 13 19.0 +0.6
VYHS	Vyhne	74.08 326	i P	P	13 13 19.0 +0.6
VYHS			eP	pP	13 14 49.0 +0.7
PSZ	Piszkesteto	74.15 325	i P	P	13 13 19.4 +0.5
PSZ			eP	pP	13 14 49.7 +1.0
GZT	Gaziantep	74.15 308	i P	P	13 13 20.3 +1.2
KOLL	Kolacno	74.18 327	i P	P	13 13 19.7 +0.6
KBD	Kabd	74.22 296	eP	pP	13 14 50.2 +1.3
VRAC	Vranov	74.23 328	i P	P	13 13 19.9 +0.5
SDCO	Great Sand Dun	74.25 51	i P	P	13 13 20.4 +0.7
PRU	Pruhonice	74.39 330	i P	P	13 13 20.3 +0.1
PRU			eP	pP	13 14 49.7 -0.4
PRU			ePP	pP	13 13 20.3 +0.1
PRU			ePP	pP	13 14 49.7 -0.4
QRN	Al-Qurain	74.39 295	eP	P	13 13 20.5 -0.1
QRN			Amb	AMB	13 13 21.2
WST	Witteveen	74.40 336	eP	P	13 13 20.4 +0.2
RIT	Umme Al-Ruweis	74.41 297	eP	P	13 13 20.2 -0.6
RUC1			Amb	AMB	13 13 22.0
BCT			Amb	AMB	13 13 21.3 +0.4
BUC1	Bucharest	74.48 320	i P	P	13 13 21.3 +0.5
RDF	Al-Radif	74.48 296	eP	P	13 13 21.1 -0.1
RDF			Amb	AMB	13 13 23.0
KRUC	Krusov	74.51 328	P	P	13 13 21.3 +0.4
AVNO	Avonca	74.51 311	i P	P	13 13 21.6 +0.4
SCHT	Schefferville	74.70 19	i P	P	13 13 21.1 -0.8
SCHO	Schefferville	74.70 19	i P	P	13 13 20.9 -1.0
ANTO	Ankara	74.75 313	P	P	13 13 23.4 +0.9
PRD	Provincia	74.77 318	P	P	13 13 23.0 +0.5
MOX	Moxa	74.80 332	i P	P	13 13 22.3 -0.2
MOX			pmax	pmax	13 13 23.2 -0.2
MOX			eP	pP	13 13 22.3 -0.2
SRO	Srobarova	74.84 326	eP	P	13 13 23.6 +0.8
BUD	Budapest	74.84 326	eP	P	13 13 23.4 +0.6
NKC	Novy Kostel	74.88 331	i P	P	13 13 22.9 -0.1
HST	Hendek	74.96 314	i P	P	13 13 22.7 -0.9
ZENT	Zsint	74.98 327	eP	P	13 13 24.3 +0.7
PKSN	Nyarlorinc	75.00 325	eP	P	13 13 24.4 +0.7
WTSB	Winterswijk	75.11 335	i P	P	13 13 23.9 -0.3
WTSB			eP	pP	13 13 24.4 +0.1
PKSY	Kunszentmiklos	75.17 325	eP	P	13 13 25.0 +0.4
PKSC			eP	pP	13 13 25.1 +0.5
VKA	Vienna	75.21 328	i P	P	13 13 24.6 +1.5
GALL	Galloway	75.27 343	eP	P	13 13 24.5 -0.6
GALI			Amb	AMB	13 13 28.6
TUCO	Tucuman	75.30 58	eP	P	13 13 26.4 +0.7
GCL	Cushendall	75.36 344	i P	P	13 13 24.9 -0.7
GCL			Amb	AMB	13 13 26.6
SZH	Strazhica	75.38 319	i P	P	13 13 26.0 +0.1
SZH			eP	pP	13 13 26.6 +0.4
KHC	Kaszchperk Hory	75.44 330	i P	P	13 13 26.6 +0.4
KOBT			eP	pP	13 14 55.8 -0.5
CHBC	Iskenderun	75.47 308	i P	P	13 13 27.3 +0.7
GECC	GERESS Array S	75.65 330	eP	P	13 13 27.3 0.0
GECC			pmax	pmax	13 13 27.3 0.0
GERES	GERESS Array S	75.65 330	eP	P	13 13 27.3 0.0
GERES			eP	pP	13 13 27.1 -0.2
GERES			eP	pP	13 14 57.0 -0.5
GERES			eP	pP	13 14 57.0 -0.5
GERES			eP	pP	13 14 57.0 -0.5
WET	Wetzell	75.67 330	eP	P	13 13 27.9 +0.5
WET			eP	pP	13 14 58.1 +0.5
WET			eP	pP	13 13 27.9 +0.5
WET			eP	pP	13 13 27.9 +0.5
WET			eP	pP	13 14 58.1 +0.5
PVK	Pavlikeni	75.68 319	i P	P	13 13 28.2 +0.6
PVK			eP	pP	13 13 28.2 +0.6
JMB	Yambol	75.71 318	i P	P	13 13 28.0 +0.2
JMB			eP	pP	13 13 28.0 +0.2
GRA1	Grafenberg Arr	75.75 331	eP	P	13 13 28.4 +0.5
GRF			eP	pP	13 14 58.7 +0.7
GRF			eP	pP	13 13 28.4 +0.5
GRF			eP	pP	13 14 58.7 +0.7
HASS	Wahat al Ahsa	75.80 292	eP	P	13 13 28.2 -0.5
ANMO	Albuquerque	75.80 54	eP	P	13 13 29.7 +1.2
ANMO			eP	pP	13 13 29.5 +1.0
PKS9	Tamas	75.87 326	eP	P	13 13 28.4 -0.2
ESKT	Esikskair	75.98 314	i P	P	13 13 28.9 +0.2
PKSM	Moragy	76.04 325	i P	P	13 13 28.9 -0.7
GMM	Mits of Mourne	76.11 343	i P	P	13 13 28.4 -1.4
MOA	Molin	76.30 329	i P	P	13 13 31.2 +0.2
URST	Uludağ	76.34 315	i P	P	13 13 31.8 +0.4
ALDA	Arzberg	76.35 328	i P	P	13 13 31.6 +0.3
RHK1	Bakonya	76.36 325	i P	P	13 13 31.1 -0.2
RHK1			eP	pP	13 15 01.5 -0.2
HGN	Heimangroev	76.43 335	i P	P	13 13 31.2 -0.4
HGN			eP	pP	13 13 31.6 0.0
DGM	Dimitrovgrad	76.52 319	i P	P	13 13 32.5 +0.2
SIND	Sindeldorf	76.57 332	eP	P	13 13 32.2 -0.2
SIND			eP	pP	13 13 32.2 0.0
TOD	Tromm	76.60 333	eP	P	13 13 32.6 0.0
TOD			eP	pP	13 13 32.5 -0.1
DMUB	Kingscourt	76.62 344	i P	P	13 13 32.5 -0.1
BOLS	Bolevace	76.75 322	eP	P	13 13 32.2 -0.7
ABH	Alteburg	76.78 334	i P	P	13 13 33.2 0.0
ABH			eP	pP	13 13 33.2 -0.1
PLD	Plodiv	76.85 319	i P	P	13 13 34.0 -0.1
PLD			eP	pP	13 13 34.0 -0.1
KDZ	Kurdzhali	76.89 318	i P	P	13 13 35.0 +0.7
KDZ			eP	pP	13 13 35.0 +0.7
PERS	Pernice	77.02 328	i P	P	13 13 35.2 +0.2
PERS			eP	pP	13 15 05.7 +0.3
PERS			eP	pP	13 13 35.2 +0.2
PERS			eP	pP	13 15 05.7 +0.3
GROS	Grobnik	77.03 327	i P	P	13 13 35.0 0.0
HHD	Heidenheim	77.05 331	eP	P	13 13 34.8 -0.2
HHD			eP	pP	13 13 34.9 -0.1
RUP	Ruppelstein	77.05 334	eP	P	13 13 35.0 0.0
RUP			eP	pP	13 13 34.9 -0.1
FUR	Furstenfeldbru	77.06 331	eP	P	13 13 35.5 +0.4
FUR			eP	pP	13 13 35.5 +0.4
KTD	Kalmit	77.07 333	eP	P	13 13 35.1 -0.1
KTD			eP	pP	13 13 35.2 -0.1
DLF	Lyons Farm	77.12 323	i P	P	13 13 36.0 +0.4
VTS	Vitosha	77.12 320	i P	P	13 13 36.0 +0.4
VTS			eP	pP	13 13 36.0 +0.4
GRUS	Gruzen	77.12 323	i P	P	13 13 35.5 -0.1
RZN	Rozhen	77.18 319	i P	P	13 13 36.0 +0.1
RZN			eP	pP	13 13 36.0 +0.1
ALU	Alexandroupoli	77.20 317	eP	P	13 13 35.6 -0.4
STU	Stuttgart	77.21 332	i P	P	13 13 35.7 -0.3

DCN	Croghan	77.22 344	eP	P	13 13 35.0 -0.9
RDO	Rodhopi	77.24 318	P	P	13 13 36.8 +0.6
DVS	Divocine	77.25 323	eP	P	13 13 35.1 -1.1
KBA	Koelnbreinspr	77.329 329	i P	P	13 13 36.9 +0.5
DOBS	Dobruša	77.337 327	i P	P	13 13 36.3 -0.2
OBKA	Obir	77.33 328	i P	P	13 13 36.7 0.0
GWF	Givet	77.34 335	i P	P	13 13 36.2 -0.4
WLF	Walferdange	77.35 334	eP	P	13 13 36.4 -0.2
GOLS	Golise	77.36 327	i P	P	13 13 36.8 0.0
GOLS			eP	pP	13 13 37.3 0.0
LBG	Lerchenberg	77.43 332	eP	P	13 13 37.2 +0.1
BUCH	Bad Urach	77.44 332	eP	P	13 13 37.6 +0.4
ISP	Isparita	77.45 313	P	P	13 13 39.5 +2.0
ARMA	Armidale	77.45 175	eP	P	13 13 39.3 +1.7
LANF	Langenberg	77.46 333	eP	P	13 13 37.3 0.0
LEGS	Legarie	77.53 327	eP	P	13 13 37.6 -0.1
PKK	Podkum	77.54 327	eP	P	13 13 37.7 -0.1
JFWS	Jewell Farm	77.55 39	i P	P	13 13 36.6 -1.3
BAIF	Baives	77.56 336	eP	P	13 13 37.4 -0.4
BAIF			eP	pP	13 13 37.8 -0.2
CRES	Creslevic ost	77.58 327	P	P	13 13 37.8 -0.5
MENF	Mencas	77.66 337	eP	P	13 13 37.8 -0.5
WATA	Walderalm	77.67 330	i P	P	13 13 39.0 +0.5
MMB	Musomiste	77.70 319	i P	P	13 13 39.0 +0.3
MMB			eP	pP	13 13 39.0 +0.3
WTTA	Wattenberg	77.72 330	i P	P	13 13 39.4 +0.7
KSU1	Kansas State U	77.72 45	i P	P	13 13 38.0 -0.9
LJU	Ljubljana	77.74 328	i P	P	13 13 38.4 -0.5
LJU			eP	pP	13 13 39.5 +0.5
KKB	Krupnik	77.76 320	i P	P	13 13 39.5 +0.5
KKB			eP	pP	13 13 39.7 +0.5
STR	Strasbourg	77.82 333	eP	P	13 13 39.7 +0.5
MOTA	Moosalm	77.83 330	i P	P	13 13 39.7 +0.5
GUT	Gutenstein	77.85 332	eP	P	13 13 39.6 +0.2
PTCC	Patenco-Chiusa	77.86 328	eP	P	13 13 38.8 -0.7
UBR	Uberuh	77.87 331	eP	P	13 13 39.5 0.0
BFO	Black Forest	77.87 332	eP	P	13 13 39.4 -0.1
BFO			eP	pP	13 13 39.4 -0.1
BFO			eP	pP	13 13 39.4 -0.1
FVI	Forni Avoltri	77.89 329	eP	P	13 13 38.9 -0.7
SGTA	Sankt Jurin	77.90 330	i P	P	13 13 40.3 +0.6
MANT	Manisa	77.91 314	i P	P	13 13 39.9 +0.1
SPAK	Spaichingen	77.93 332	eP	P	13 13 40.1 +0.3
SPAK			eP	pP	13 13 40.2 +0.7
FOIC	Foio	77.93 332	eP	P	13 13 39.0 -1.1
VOY	Vojsko	77.98 328	eP	P	13 13 39.5 -0.8
GMYA	Gemona	78.01 328	eP	P	13 13 39.5 -0.8
CEY	Cerknica	78.04 327	i P	P	13 13 40.0 -0.4
WLS	Welschbruch	78.10 333	eP	P	13 13 40.7 0.0
CDF	Champ du Fer	78.13 333	i P	P	13 13 40.8 -0.1
PKS	Podkum	78.13 333	i P	P	13 13 40.8 -0.1
PJEV	Pjevlja	78.13 323	i P	P	13 13 41.8 +0.8
SRS	Serrai	78.14 319	eP	P	13 13 40.8 -0.3
CSS	Crodromos	78.21 309	i P	P	13 13 41.6 0.0
SIBS	Singen-Sch Ber	78.22 332	eP	P	13 13 41.8 +0.3
LIBP	Limbürg	78.26 333	eP	P	13 13 41.6 0.0
LIBD			eP	pP	13 13 42.3
DAVA	Damuels	78.29 331	i P	P	13 13 42.1 +0.4
DNZL	Donzelle	78.30 314	i P	P	13 13 42.7 +0.7
IVAV	IVAV	78.30 322	i P	P	13 13 42.5 +0.6
TRI	Trieste	78.30 328	eP	P	13 13 41.0 -0.9
SLE	Schleitheim	78.31 332	i P	P	13 13 41.6 -0.3
KIZ	Kirchzarten	78.33 333	eP	P	13 13 41.7 -0.3
ECH	Echery	78.34 333	eP	P	13 13 42.0 0.0
FELD	Feldbach	78.34 333	eP	P	13 13 42.7 +0.7
ASF	Jabal al Asfar	78.36 305	i P	P	13 13 43.8 +1.3
SKO	Skopje	78.39 321	i P	P	13 13 43.1 +0.7
VAY	Vay	78.42 320	i P	P	13 13 43.1 +0.5
UPM	Unac-Piva	78.43 323	i P	P	13 13 42.5 -0.1
WILA	Wila	78.49 332	i P	P	13 13 42.9 +0.1
PVY	Plav	78.50 322	i P	P	13 13 43.2 +0.2
KDAG	Bornova	78.60 315	i P	P	13 13 43.6 0.0
ZUR	Zür	78.64 307	eP	P	13 13 43.7 +0.1
HNTI	Hanita	78.64 307	eP	P	13 13 44.8 +0.9
SULZ	Sulz-Chescheas	78.65 332	i P	P	13 13 43.7 0.0
MOF	Molkenrain	78.67 333	eP	P	13 13 43.3 -0.5
THEF	They Montfort	78.68 334	eP	P	13 13 43.8 0.0
MEZF	Maltziers Jvi	78.72 335	i P	P	13 13 44.1 -0.1
NKY	Niksic	78.72 323	i P	P	13 13 43.8 -0.4
CTI	Castel Tesino	78.76 329	eP	P	13 13 43.7 -0.6
HAU	Haudoumpere	78.77 333	i P	P	13 13 44.0 -0.3
HNF					



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LSA Lhasa, SONMG Soging Array, MKAR Makanchi Array, etc.

NEIC 17 13:31:58.8, 57.86N, 154.94W, h72km, After AEIC.
ISC 17 13:31:57.2, 1.57, 85N, 0.08, 155.05W, 0.1, h79km, 6km,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CAHL Cahill, KABR Katmai Barrier, KJL Kejulik, etc.

NEIC 17 13:33:44.7, 1.8, 30, 11S, 176.70W, h39km, 20km, mb4.8/1,
Error ellipse: s-maj=23.5km s-min=-11.3km az=147.0,

ISC 17 13:34:00.6, 1.5, 31.04S, 0.08, 177.6W, 0.2, h156km, 16km,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PUZ Puketiti, URZ Urewera, KNZ Kokohu, etc.

TAP 17 13:50:19.8, 23.83N, 121.62E, h40km, ML3.2
JMA 17 13:50:19.4, 0.5, 23.75N, 121.72E, h64km, M2.5

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YOJ Yonaguni jima, IRIF Iriomote-Funau, etc.

NNC 17 14:12:46.2, 179.0, 37.94N, 72.34E, h180km, 999km,
mpv3.7, Error ellipse: s-maj=2995.5km s-min=1787.1km

ISC 17 14:12:43.8, 3.0, 37.8N, 0.2, 72.1E, 0.1, h64km, n8,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AMU Almayash, UCH Uchtor, KZA Kyzart, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TKM2 Tokmak 2, AB31 Akbulak array.

BUI 17 14:13:23.4, 5.0, 10N, 87.52E, h9km, mb4.9, mb4.6, ML5.0,
Ms4.5, Ms2.4
IDC 17 14:13:23.6, 0.5, 50.08N, 87.82E, mb4.4/20, mb1 4.6/23,

NEIC 17 14:13:25.7, 0.2, 50.06N, 87.67E, h10km, mb4.7/28, Error
ellipse: s-maj=4.9km s-min=2.4km az=218.0

ISC 17 14:13:24.2, 0.2, 50.04N, 0.02, 87.60E, 0.03, h10km,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KTNR Kaitanak, ELDR Elanda, UKR Ust'-Kan, etc.

MOY Mordovsk, ZAK Zakamensk, CHKZ Chkalovo, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CHKZ Chkalovo, BVAO Borovoye Array, etc.

AB31 Akbulak array, 17.89 278, 17.89 278 P P 14 17 35.7 +1.1

AB31 Akbulak array, 17.89 278 P P 14 17 35.6 +1.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LZH Lanzhou, LSH Lhasa, etc.

AB31 Akbulak array, 17.89 278 P P 14 17 35.7 +1.1

AB31 Akbulak array, 17.89 278 P P 14 17 35.6 +1.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ARU Arti, HHC Hui-ho-hao-te, etc.

HHC Hui-ho-hao-te, 19.09 110 P P 14 17 48.8 -0.5

HHC Hui-ho-hao-te, 19.09 110 P P 14 17 48.8 -0.5

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HHC Hui-ho-hao-te, HHC Hui-ho-hao-te, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LSA Lhasa, HIA Hailar, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like THW Thame Wai, SBDP Sheikh Budin, etc.

AB31 Akbulak array, 17.89 278 P P 14 17 35.7 +1.1

AB31 Akbulak array, 17.89 278 P P 14 17 35.6 +1.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like XAN Xi'an, BJI Beijing, etc.

CD2 Chengdu, 22.63 142 P S 14 18 25.5 -0.9

CD2 Chengdu, 22.63 142 P S 14 18 25.5 -0.9

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CD2 Chengdu, DMN Daman, etc.

PKI Pulchoki, 22.50 185 P P 14 18 25.1 -0.1

PKI Pulchoki, 22.50 185 P P 14 18 25.1 -0.1

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CD2 Chengdu, CD2 Chengdu, etc.

CD2 Chengdu, 22.63 142 P S 14 18 25.5 -0.9

CD2 Chengdu, 22.63 142 P S 14 18 25.5 -0.9

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CLNS Chul'man, CLNS Chul'man, etc.

CLNS Chul'man, 23.00 58 P P 14 18 31.9 +2.1

CLNS Chul'man, 23.00 58 P P 14 18 31.9 +2.1

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CLNS Chul'man, CLNS Chul'man, etc.

CLNS Chul'man, 23.00 58 P P 14 18 31.9 +2.1

CLNS Chul'man, 23.00 58 P P 14 18 31.9 +2.1

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SHL Shillong, ENH Enshi, etc.

SHL Shillong, 24.66 171 P P 14 18 48.5 +2.3

SHL Shillong, 24.66 171 P P 14 18 48.5 +2.3

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

YAK Yakutsk, 25.77 132 P P 14 18 55.1 -1.0

YAK Yakutsk, 25.77 132 P P 14 18 55.1 -1.0

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

SNY Shenyang, 26.13 94 P P 14 19 01.8 +1.9

SNY Shenyang, 26.13 94 P P 14 19 01.8 +1.9

Table of astronomical observations for 17d 15h, listing objects like OBN, KIV, KS15, SSE, etc., with their coordinates and observation details.

Table of astronomical observations for 2000 APR, listing objects like YKW3, YKA, DLBC, FCC, etc., with their coordinates and observation details.

Table of astronomical observations for 2000 APR, listing objects like VNA3, VNA2, VNA1, etc., with their coordinates and observation details.









17d 15h

Table with columns for station name, frequency, power, and other technical details. Includes stations like MZLS Mizel, SOKR Solikamsk, SOKR comp=Z,220nm,1.2s,mb5.9, etc.

2004 APR

Table with columns for station name, frequency, power, and other technical details. Includes stations like OBN Obninsk, AVNT Avonos, BOYT Boyabat, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like Ostrava-Krasne, Hull Mountain, Yellowknife Ar, etc.

GEC2	eSP	SP	16 26 49.2 +6.9
GEC2	GERESS Array S 111.72 320	ePKiP	PKP Pdf 16 16 44.0 +1.9
GEC2	GERESS Array S 111.72 320	ePdif	Pdf 16 12 47.4 +0.9
GEC2	ePKP	PKP Pdf	16 16 44.0 +1.9
GEC2	eSP	SP	16 17 32.0 +1.2
GEC2	eSP	SP	16 26 49.2 +6.9
GERES	GERESS Array B 111.72 320	Pdif	Pdf 16 12 46.5 0.0
comp-Z,1.7nm,1.1s,baz=93,slow=1.9,SNR=9			
GERES	comp-Z,2.1nm,0.9s,baz=90,slow=1.3,SNR=50	PKiP	16 16 44.1
comp-Z,5.1nm,0.8s,SNR=8.4			
GERES	comp-Z,1.9nm,0.8s,baz=243,slow=3.0,SNR=11	PKKbPbc	16 20 36.9
GERES	comp-Z,3.1nm,0.9s,baz=236,slow=4.8,SNR=9.1	PKP	16 27 48.4
GERES	GERESS Array B 111.72 320	P	Pdf 16 12 46.5 0.0
GERES	comp-Z,2.0nm,1.1s	pmax	pmax
GERES	comp-Z,2.1nm,0.9s	pmax	pmax
GERES	comp-N,5.0nm,0.8s	pmax	pmax
GERES	GERESS Array B 111.72 320	Pdif	Pdf 16 12 46.5 0.0
GERES	PKP Pdf	PKP Pdf	16 16 44.1 +2.0
GERES	PKKbPbc	PKKbPbc	16 27 38.9
GERES	PKKbPbc	PKKbPbc	16 27 48.4
KHC	Kasperske Hory 111.72 320	ePKP	PKP Pdf 16 16 43.8 +1.7
NEW	Newport 111.73 41	PKiP	PKP Pdf 16 16 44.7 +2.5
NEW	Newport 111.73 41	ePKP	PKP Pdf 16 16 44.4 +2.2
LJU	Ljubljana 111.81 317	iPKiP	PKP Pdf 16 16 44.7
LJU	Wild Horse Val 111.90 47	ePKP	PKP Pdf 16 16 45.7 +3.1
WOR	Wild Horse Val 111.90 47	ePKP	PKP Pdf 16 16 45.9 +2.8
MUD	Monsted U'grnd 112.06 328	iP	PKP Pdf 16 17 33.0 0.0
comp-N,37nm,1.3s			
WET	Wetzell 112.17 320	ePKiP	PKP Pdf 16 16 45.0 +2.0
WET	ePKiP	PKP Pdf	16 26 53.0
VOY	Vojsko 112.25 317	ePKiP	PKP Pdf 16 12 50.3 +1.3
VOY	ePKiP	PKP Pdf	16 26 50.0
BSEG	Bad Segeberg 112.30 326	eP	PKP Pdf 16 26 50.0
BSEG	eP	PKP Pdf	16 26 50.0
BSEG	Bad Segeberg 112.30 326	ePKiP	PKP Pdf 16 16 45.3 +2.1
BSEG	ePKiP	PKP Pdf	16 12 50.3 +1.3
BSEG	ePKiP	PKP Pdf	16 26 50.0
BSEG	ePKiP	PKP Pdf	16 26 50.0
KBA	Koelnbreinsper 112.37 318	iPKP	PKP Pdf 16 16 44.8 +1.3
CNSN	Cassano Irpino 112.46 311	eP	PKP Pdf 16 16 45.4 +1.6
ROBS	Robbia 112.46 317	ePKiP	PKP Pdf 16 16 45.6
PTCC	Patocco-Chiusa 112.53 317	ePKP	PKP Pdf 16 16 45.8 +2.0
MOX	Moxa 112.55 322	iP	Pdf 16 12 51.0 +0.9
comp-N,logA/T=1.1			
MOX	Moxa 112.55 322	ePKP	PKP Pdf 16 16 46.0 +2.3
MOX	ePKP	PKP Pdf	16 17 41.0 +3.9
MOX	ePKKs	PKKs	16 27 21.0
MOX	L	17 08 15.0	
MOX	Moxa 112.55 322	Pdif	Pdf 16 12 51.0 +0.9
MOX	pmax	pmax	
MOX	comp-Z,18nm,1.6s	ePKiP	PKP Pdf 16 16 45.7 +2.0
MOX	Moxa 112.55 322	ePKiP	PKP Pdf 16 16 45.7 +2.0
MOX	comp-Z,17nm,1.1s	MLR	MLR
MOX	comp-Z,300nm,21.0s	eP	Pdf 16 12 51.0 +0.9
MOX	Moxa 112.55 322	ePKP	PKP Pdf 16 16 45.7 +2.0
MOX	ePKP	PKP Pdf	16 18 13.0
MOX	eL	LR	16 27 21.3
comp-Z,300nm,21.0s			
MTUM	Tungsten Hills 112.77 53	ePKP	PKP Pdf 16 16 47.7 +3.2
MTUM	Mina Array Bea 112.81 51	Pdif	Pdf 16 12 55.7 +4.1
comp-Z,2.9nm,0.9s,baz=248,slow=4.1,SNR=13			
NVAR	comp-Z,10nm,1.0s,baz=252,slow=0.6,SNR=28	PKKbPbc	16 16 47.5
NVAR	comp-Z,3.1nm,0.9s,baz=264,slow=4.8,SNR=3.5	PP	PP 16 17 32.2 -7.3
NVAR	comp-Z,3.2nm,0.6s,baz=100,slow=5.6,SNR=1.8	PKKbPbc	16 27 35.6
NVAR	comp-Z,4.1nm,0.9s,baz=101,slow=6.2,SNR=1.3	PKKbPbc	16 27 43.8
NVAR	comp-Z,1.9nm,0.8s,baz=106,slow=6.6,SNR=4.2	PKKs	16 31 30.1
NVAR	Mina Array Bea 112.81 51	Pdif	Pdf 16 12 55.7 +4.1
NVAR	PKP Pdf	PKP Pdf	16 16 47.5 +2.9
NVAR	PKP Pdf	PKP Pdf	16 17 32.2 -7.3
NVAR	PKP Pbc	PKP Pbc	16 27 35.6
NVAR	PKKbPbc	PKKbPbc	16 27 43.8
NVAR	PKKs	PKKs	16 40.1
CP12	Carpinone 112.85 312	eP	PKP Pdf 16 16 47.7 +3.1
FVI	Forni Avoltri 112.86 318	eP	PKP Pdf 16 16 46.2 +1.8
GRA1	Grafenberg Arr 113.06 321	ePKP	PKP Pdf 16 16 48.8 +2.0
GRA1	ePP	PP	16 17 43.6 +2.4
GRA1	eSP	SP	16 26 59.8 +4.4
comp-Z,400nm,21.3s			
GRF	Grafenberg Arr 113.06 321	ePKiP	PKP Pdf 16 16 46.8 +2.0
GRF	eSP	SP	16 17 43.6
GRF	MLR	MLR	16 26 59.8 +4.4
comp-Z,400nm,21.3s			
SDI	San Donato 113.20 312	eP	PKP Pdf 16 16 47.0 +1.8
BMN	Battle Mountai 113.30 49	ePKiP	PKP Pdf 16 16 48.6 +3.1
BMN	Battle Mountai 113.30 49	ePKiP	PKP Pdf 16 16 48.0 +2.3
FUR	Furstenfeldbru 113.45 319	ePKiP	PKP Pdf 16 17 47.1 +1.3
FUR	eSP	SP	16 27 04.7 +5.7
WTTA	Wattenberg 113.46 318	iPKP	PKP Pdf 16 16 47.5 +1.9
ARV	Arcevia 113.46 314	eP	PKP Pdf 16 16 48.4 +2.6
WATA	Valderiva 113.48 319	iPKP	PKP Pdf 16 16 47.3 +1.6
NRCA	Norcia 113.48 314	eP	PKP Pdf 16 16 47.8 +2.0
FSSB	Fossombrone 113.54 314	eP	PKP Pdf 16 16 48.5 +2.7
WALA	Wateron Lakes 113.58 39	ePKP	PKP Pdf 16 16 48.0 +2.0
DAC	Darwin (Calif) 113.69 54	ePKiP	PKP Pdf 16 16 50.0 +3.6
DAC	Darwin (Calif) 113.69 54	ePKP	PKP Pdf 16 16 49.5 +3.1
TPH	Tonopah 113.71 52	ePKiP	PKP Pdf 16 16 48.9 +3.4
TPH	Tonopah 113.71 52	ePKP	PKP Pdf 16 16 49.3 +3.0
TPH	ePP	PP	16 17 41.1 -4.9
SQTA	Sankt Quirin 113.75 319	iPKP	PKP Pdf 16 16 48.0 +1.8
CTI	Castel Tesino 113.76 317	eP	PKP Pdf 16 16 48.5 +2.2
MOTA	Moosalm 113.78 319	iPKP	PKP Pdf 16 16 47.9 +1.6
MNS	Montasola 113.89 313	eP	PKP Pdf 16 16 48.2 +1.5
HDH	Heidenheim 114.02 320	eP	PKP Pdf 16 16 47.9 +1.2
SFI	Santa Sofia 114.14 315	eP	PKP Pdf 16 16 49.9 +2.8
SIND	Sindelford 114.17 321	eP	PKP Pdf 16 16 48.5 +1.5
PGD	Poggio Sodo 114.24 315	eP	PKP Pdf 16 16 49.7 +2.4
UBR	Uberuh 114.34 319	eP	PKP Pdf 16 16 49.0 +1.6
VMG	Vicchio 114.50 319	iPKP	PKP Pdf 16 16 48.2 +1.2
SEI	Scarpiera 114.45 315	eP	PKP Pdf 16 16 49.7 +1.9
BRMO	Bormio 114.50 318	eP	PKP Pdf 16 16 49.9 +2.2
TOD	Tromm 114.58 322	eP	PKP Pdf 16 16 49.3 +1.5
TOD	Tromm 114.58 322	ePKP	PKP Pdf 16 16 49.0 +1.2
BUCH	Bad Urach 114.60 320	eP	PKP Pdf 16 16 49.4 +1.5
DAVA	Damuel 114.60 319	iPKP	PKP Pdf 16 16 49.9 +2.0
STU	Stuttgart 114.60 321	PKiP	PKP Pdf 16 16 49.9 +2.0
STU	Stuttgart 114.60 321	ePKP	PKP Pdf 16 16 49.5 +1.6
CHMT	Chamberlain Mo 114.61 42	ePKP	PKP Pdf 16 16 49.6 +1.6
HLH	Hailey 114.69 45	eP	PKP Pdf 16 16 51.4 +3.2
DAVOX	Davos 114.74 318	ePKP	PKP Pdf 16 16 50.1 +1.8
comp-Z,2.1nm,0.7s,baz=147,slow=1.8,SNR=23			
DAVOX	comp-Z,4.0nm,0.8s,baz=154,slow=1.9,SNR=3.6	SKiP	16 20 12.4
DAVOX	comp-Z,7.5nm,0.8s,baz=239,slow=1.7,SNR=6	PKKbPbc	16 27 28.7
DAVOX	comp-Z,3.5nm,0.7s,baz=5.4,slow=22,SNR=3.6	PKKbPbc	16 27 35.3
DAVOX	Davos 114.74 318	ePKP	PKP Pdf 16 16 50.1 +1.8
DAVOX	PKKbPbc	PKKbPbc	16 27 28.7
DAVOX	PKKbPbc	PKKbPbc	16 27 35.3
GUT	Gutenstein 114.86 320	eP	PKP Pdf 16 16 49.7 +1.3
LBG	Lerchenberg 114.89 321	eP	PKP Pdf 16 16 50.0 +1.5
GSLC	Giucola 114.92 316	eP	PKP Pdf 16 16 51.1 +2.5
WTSB	Winterswijk 114.98 324	ePKP	PKP Pdf 16 16 50.5 +2.0
BDI	Bagni Di Lucca 114.98 315	eP	PKP Pdf 16 16 49.4 +0.6
PFO	Pinyon Flat Ob 115.00 56	PKiP	PKP Pdf 16 16 52.1 +3.0
PFO	Pinyon Flat Ob 115.00 56	ePKP	PKP Pdf 16 16 51.8 +2.7
SPAK	Spaichingen 115.06 320	eP	PKP Pdf 16 16 50.0 +1.2
SPAK	Spaichingen 115.06 320	PKP	PKP Pdf 16 16 50.1 +1.3
MAIM	Maim 115.09 315	P	PKP Pdf 16 16 49.1 +0.2

VALM	115.15 316	P	PKP Pdf 16 16 50.3 +1.2
GRAM	115.24 316	P	PKP Pdf 16 16 51.0 +1.8
ABH	Alteburg 115.27 322	eP	PKP Pdf 16 16 50.8 +1.6
BFO	Black Forest 115.28 320	ePKiP	PKP Pdf 16 16 50.3 +1.1
BACM	115.29 316	eSP	PKP Pdf 16 27 20.9 +4.4
LANF	Langenberg 115.41 321	PKP	PKP Pdf 16 16 51.2 +1.8
CODM	115.42 316	P	PKP Pdf 16 16 50.4 +0.8
MCMT	McKenzie Canyo 115.46 44	ePKP Pdf	PKP Pdf 16 16 52.2 +2.5
BOB	Bobbio (Coli) 115.59 316	eP	PKP Pdf 16 16 51.9 +2.0
HRV	Holter Researc 115.60 41	ePKP Pdf	PKP Pdf 16 16 51.6 +1.8
RUP	Ruppstein 115.62 320	eP	PKP Pdf 16 16 51.6 +1.9
FELD	Feldberg 115.64 320	PKP	PKP Pdf 16 16 51.3 +1.4
FELD	Feldberg 115.64 320	PKP	PKP Pdf 16 16 51.0 +1.1
KIZ	Kirchzarten 115.66 320	eP	PKP Pdf 16 16 51.0 +1.0
VAI	Varese 115.74 318	eP	PKP Pdf 16 16 51.6 +1.4
LDFO	Landroff 115.80 320	eP	PKP Pdf 16 16 51.7 +0.9
LDFO	Varese 115.88 55	ePKP Pdf	PKP Pdf 16 16 53.9 +3.2
CDF	Champ du Feu 115.92 321	iPKiP	PKP Pdf 16 16 51.6 +1.2
comp-Z,32nm,1.0s			
HGN	Heimansgroeve 115.92 323	ePKP	PKP Pdf 16 16 51.7 +1.4
comp-Z,14nm,1.1s			
GENL	Genova Univeris 116.02 316	P	PKP Pdf 16 16 50.8 +0.1
BOZ	Bozeman (W) 116.05 43	PKiP	PKP Pdf 16 16 53.1 +2.3
BOZ	Bozeman (W) 116.05 43	ePKP Pdf	PKP Pdf 16 16 53.0 +2.3
EBS	Echery 116.06 320	PKP	PKP Pdf 16 16 51.9 +1.0
BCH	Bachelblauen 116.08 320	eP	PKP Pdf 16 16 51.8 +1.0
BCH	Bachelblauen 116.08 320	PKP	PKP Pdf 16 16 51.8 +1.0
WLF	Walferdange 116.19 322	PKiP	PKP Pdf 16 16 53.4 +2.5
WLF	Walferdange 116.19 322	ePKP Pdf	PKP Pdf 16 16 52.7 +1.8
MOF	Molkenrain 116.20 320	PKP	PKP Pdf 16 16 52.1 +1.1
MCGN	Macugnaga 116.24 318	eP	PKP Pdf 16 16 53.6 +2.5
PCP	Pian Castagno 116.27 316	eP	PKP Pdf 16 16 54.9 +1.9
HVU	Hansel Valley 116.30 47	PKiP	PKP Pdf 16 16 54.0 +2.7
HVU	Hansel Valley 116.30 47	ePKP Pdf	PKP Pdf 16 16 53.8 +2.5
HVU	ePP	PP	16 18 00.0 -4.0
BGU	Big Grassy Moe 116.32 48	ePKP Pdf	PKP Pdf 16 16 53.9 +2.5
ORO	Oropa 116.34 318	eP	PKP Pdf 16 16 52.8 +1.5
HINF	Hinterflaun 116.39 320	iPKiP	PKP Pdf 16 16 52.6 +1.3
comp-Z,92nm,0.9s			
USHA	Ushuaia 116.39 169	PKP	PKP Pdf 16 16 52.4 +1.2
comp-Z,10nm,0.6s,baz=219,slow=1.6,SNR=11			
QLMT	Quehqueque Lak 116.42 43	ePKP Pdf	PKP Pdf 16 16 54.4 +2.9
PLG	Piancastagnaio 116.50 314	iPKiP	PKP Pdf 16 16 53.9 +1.8
comp-Z,121nm,1.0s			
LOMF	Lomont 116.56 320	PKP	PKP Pdf 16 16 53.1 +1.4
LINF	Finale Ligure 116.60 316	P	PKP Pdf 16 16 52.7 +0.8
HAU	Haudompre 116.64 320	iPKiP	PKP Pdf 16 16 53.4 +1.6
comp-Z,122nm,1.1s			
SPUT	South Promonto 116.65 47	ePKP Pdf	PKP Pdf 16 16 54.7 +2.7
WRH	Wright River 116.79 49	ePKP Pdf	PKP Pdf 16 16 53.6 +1.5
THEF	The Fort 116.80 321	PKP	PKP Pdf 16 16 53.1 +0.9
ROB	Roburert 116.81 316	P	PKP Pdf 16 16 53.1 +0.9
GIVF	Givet 116.83 323	iPKiP	PKP Pdf 16 16 54.2 +2.1
comp-Z,43nm,0.7s			
IMI	Imperia 116.91 316	P	PKP Pdf 16 16 53.2 +0.8
LSD	Ceresole Reale 116.94 318	P	PKP Pdf 16 16 53.4 +1.9
MONE	Monesi 116.95 316	P	PKP Pdf 16 16 53.8 +1.3
RSP	Reno Superiore 116.97 317	P	PKP Pdf 16 16 53.1 +0.6
NEGI	Negi 117.05 316	P	PKP Pdf 16 16 53.7 +1.0
BHR	Bricherasco 117.06 317	P	PKP Pdf 16 16 52.3 -0.4
SGE	Saorge 117.11 316	PKP	PKP Pdf 16 16 52.6 +1.4
ENR	Entracas 117.14 316	P	PKP Pdf 16 16 52.0 0.0
STV2	Anna di Valdie 117.20 316	P	PKP Pdf 16 16 53.0 0.0
STV	Sta Anna Valdi 117.20 316	P	PKP Pdf 16 16 53.1 +0.1
LPG	La Plagne 117.20 318	iPKiP	PKP Pdf 16 16 55.2 +2.3
comp-Z,97nm,0.9s			
LPL	La Plagne 117.21 318	iPKiP	PKP Pdf 16 16 55.1 +2.1
BAIF	Baives 117.21 323	iPKiP	PKP Pdf 16 16 54.9 +2.1
comp-Z,78nm,1.1s			
HWB	Hardware Ranch 117.22 47	ePKP Pdf	PKP Pdf 16 16 55.4 +2.3
SUSP	Sospel 117.23 317	iPKiP	PKP Pdf 16 16 54.6 +1.6
comp-Z,155nm,1.1s			
AHD	Auburn Hatcher 117.24 46	ePKP Pdf	PKP Pdf 16 16 56.0 +2.9
REDW	Red Top Meadow 117.25 45	ePKP Pdf	PKP Pdf 16 16 55.9 +2.9
REDW	eSKP Pdf	PKP Pdf	16 20 19.8
NRH	North Lily Min 117.26 49	ePKP Pdf	PKP Pdf 16 16 56.5 +2.7
WUWY	Wally Ulrich 117.27 45	ePKP Pdf	PKP Pdf 16 16 56.6 +3.2
PZZ	Prazzo 117.27 317	P	PKP Pdf 16 16 53.1 0.0
CABF	La Chapelne 117.28 319	iPKiP	PKP Pdf 16 16 55.2 +2.1
comp-Z,67nm,0.5s			
MEZF	Maltieres J'vi 117.28 321	iPKi	





Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like JTK Tokunoshima, JAM Amaki Oshima, JNU Nakatsue, etc.

LDG 17 17:00:04.0, 4.0, 14.40S, 167.80E, h10km, Mb4.3/1
SYO 17 17:00:25.0, 14.56S, 167.33E, h183km, Mb4.3
NEIC 17 17:00:25.0, 14.56S, 167.33E, Mb4.3/7, Error ellipse:
s-maj=11.4km, s-min=9.3km, az=114.0

IDC 17 17:00:25.0, 8.1, 146.66S, 167.22E, h183km, 6km, mb3.9/18,
mb1.4/18, mb1mx4.0/21, MS2.7/1, Ms1 2.7/1,
ms1mx2.5/25, Error ellipse: s-maj=13.9km, s-min=10.2km,
az=143.0

ISC 17 17:00:23.0, 1.2, 14.63S, 0.08, 167.27E, 0.08,
h174km, 1.1km, h190km, 0.0km, p-P, n111, i, f120/43,
mb4.2/19, 30C-2D, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like BKM Butte a Klehm, DZM Mont Dzumac, PMG Port Moresby, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like JOF Joensuu, KAF Kangasniemi, FINES FINES Array B, etc.

JMA 17 17:06:02.9, 0.2, 23.49N, 122.06E, h64km, M2.3
ELP 17 17:06:02.1, 23.52N, 121.95E, h26km, 1km, ML2.9
ISC 17 17:06:02.7, 2.3, 23.5N, 0.3, 122.1E, 0.1, h72km, 57km, n6,
e032/12, Taiwan region

WEL 17 17:08:03.9, 0.4, 37.09S, 177.30E, h170km, 4km, ML3.5/4,
1D, Error ellipse: s-maj=7.4km, s-min=4.0km, az=90.0

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

Table with columns: KHZ Kahutara, DSZ Denniston Nort, LTZ Lake Taylor, etc.

TAP 17 17:14:13.1, 25.07N, 121.64E, h142km, ML3.7
JMA 17 17:14:15.3, 0.2, 24.87N, 121.82E, h148km, M2.7
ISC 17 17:14:15.4, 2.2, 25.0N, 0.5, 121.9E, 0.2, h144km, 35km, n6,
e024/11, Taiwan

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

IDC 17 17:32:08.5, 1.3, 11.54N, 142.50E, mb3.7/6, mb1 4.0/6,
mb1mx3.7/17, Error ellipse: s-maj=42.8km, s-min=31.0km,
az=123.0

NEIC 17 17:32:10.3, 0.8, 11.70N, 142.46E, h10km, Error ellipse:
s-maj=31.3km, s-min=16.5km, az=92.0
ISC 17 17:32:08.5, 0.9, 11.7N, 0.1, 142.4E, 0.2, h10km, n10,
e094/10, South of Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like KS15 Wonju Array Si, WRAB Tennant Creek, etc.

NNC 17 17:33:30.1, 4.7, 50.17N, 87.30E, mpv3.4, Error ellipse:
s-maj=37.0km, s-min=21.3km, az=73.0

ISC 17 17:33:25.7, 3.6, 50.2N, 0.1, 87.6E, 0.3, h10km, n3, e250/6,
3C-3D, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like MK31 Makanchi Array, MK31 Yellowknife Arr, etc.

IDC 17 17:33:46.9, 3.0, 35.05S, 179.11W, mb4.1/4, mb1 4.2/6,
mb1mx4.0/15, ML3.7/2, Error ellipse: s-maj=61.1km,
s-min=37.5km, az=114.0

ISC 17 17:33:52.4, 2.3, 35.9S, 0.2, 178.4W, 0.2, h112km, 20km,
n13, e191/17, mb4.0/4, East of North Island

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

WRA Warramunga Arr 44.23 278 P
FITZ Fitzroy Crossi 52.21 218 P
FINES FINES Array B 150.09 336 PKPbc PKPdf

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

ISK 17 17:51:47.6, 39.91N, 40.84E, h5km, MD3.8
ISC 17 17:51:49.2, 0.5, 39.95N, 0.05, 40.88E, 0.04, h5km, n18,
e180/23, 2C, Turkey

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

ISK 17 17:54:22.9, 36.61N, 36.51E, h14km, MD3.0
NSSS Fitzroy Crossi 22.7, 36.59N, 36.69E, h20km, 1km
ISC 17 17:54:20.8, 0.7, 36.47N, 0.04, 36.50E, 0.06, h14km, n9,
e184/16, Jordan - Syria region

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









Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Borovoye Array, Karatay Array, Makanchi Array, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Abtuluk array, Lor, SSF, etc.

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

NEIC 17:20:23.38.2.0.8, 37.48N; 73.57E, h10km, mb4.4/2, Error ellipse: s-maj=23.2km s-min=9.9km az=43.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Karatay Array, DANN KOLN, GKN, etc.

LDG 17:20:56:05.9.0.1, 46.28N; 7.20E, h2km, Md2.3/2, ML2.2/15, Error ellipse: s-maj=2.4km s-min=1.2km az=82.0

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

LDG 17:20:56:05.5, 46.28N; 7.19E, h8km, ML1.5/10, Error ellipse: s-maj=1.2km s-min=0.7km az=82.0

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

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

TAP 17:21:02:50.6, 24.07N; 122.54E, h15km, 1km, ML2.8, Error ellipse: s-maj=13.0km s-min=4.1km az=133.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Yonaguni jima, Iriomote-Funau, etc.

TAP 17:21:06:13.2, 24.07N; 122.58E, h17km, 1km, ML3.6, Error ellipse: s-maj=13.0km s-min=4.1km az=133.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Yonaguni jima, Iriomote-Funau, etc.

IDC 17:21:28:02.6:31.0, 20.12S; 179.77W, mb3.9/4, mb1 4/1, 4,

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

ISK 17:21:47:42.0, 41.67N; 33.41E, h9km, MD3.5, ML3.3, Error ellipse: s-maj=583.0km s-min=143.5km az=86.0

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

NEIC 17:21:56:33.9, 13.0, 18.16N; 146.53E, h119km, Error ellipse: s-maj=18.4km s-min=7.3km az=86.0

ISC 17:21:56:27.8-0.7, 18.24N; 0.07; 146.6E, 0.2, h33km, n25, Error ellipse: s-maj=30.8km s-min=17.2km az=69.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JOW, TGY, PMG, WRAB, etc.

NEIC 17:22:15:20.8:6.4, 16.03S; 167.86E, h226km, 56km, mb4.4/6, Error ellipse: s-maj=38.5km s-min=16.0km az=47.0

IDC 17:22:15:24.2:2.7, 16.30S; 167.75E, h246km, 64km, mb3.6/7, Error ellipse: s-maj=19.0km s-min=4.4km az=44.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Butte a Klehm, Charters Tower, etc.

ISC 17:22:15:16.4:1.8, 16.3S; 0.2; 167.8E, 0.2, h181km, 9km, n19, Error ellipse: s-maj=18.0km s-min=4.4km az=44.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Butte a Klehm, Charters Tower, etc.





Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ARCES ARCES Array B, NOA NORSAR Array B, HFS Hagfors, etc.

NEIC 18 01:23:41.6:1.6, 71.79N:1.07E, mb3.1/2, mb1 3.5/6, mb1mx3.3/21, ML2.9/4, MS2.7/1, Ms1 2.8/1, ms1mx2.0/18, Error ellipse: s-maj=30.0km s-min=20.2km az=47.0

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

GUC 18 01:43:25.9:0.9, 32.49S:71.31W, h41km, 1km, MD4.5, ML4.6

NEIC 18 01:43:25.9, 32.49S:71.31W, h41km, MB4.6/3, MD4.5(GUC), Alter GUC

NEIC 18 01:43:26.0:1.0, 32.43S:71.18W, h37km, 6km, mb3.5/4, mb1 3.8/6, mb1mx3.7/13, ML4.0/2, MS3.1/2, Ms1 3.1/2, ms1mx2.9/11, Error ellipse: s-maj=29.8km s-min=25.7km az=92.0

ISC 18 01:43:25.9:0.3, 32.48S:0.02:71.37W, 0.05, h51km, 4km, h37km, 2.1km, P-P, n59, o592/71, mb4.0/7, MS3.4/1, 8C-14D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PACH Papudo, ROCH El Roble, IHA Instituto Hidr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LMEL Las Melosas, CACH El Canelo, CICH Cipreses, etc.

DJA 18 01:48:50.8:0.9, 9.50S:115.44E, h27km, 31km, MD5.1/4, ML3.9/2, 4D, Error ellipse: s-maj=29.5km s-min=10.1km az=179.0, South of Bali

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like INGI Ingsan, RATI Rata, KEDI Kedomdong, etc.

MAN 18 01:49:53.3, 15.34N:120.05E, h3km, mb4.3, ML3.1, MS2.9, 3C-1D, Luzon

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SCZP Santa Cruz, PCPH Palayan, LUBP Lubang, etc.

ISC 18 01:54:13.7:0.7, 15.25S:173.29W, mb4.2/12, mb1 4.5/13, mb1mx4.4/21, ML5.0/1, MS4.1/2, Ms1 4.4/12, ms1mx3.3/17, Error ellipse: s-maj=37.3km s-min=15.3km az=135.0

NEIC 18 01:54:15.6:0.3, 15.21S:173.39W, h10km, mb4.7/9, MS4.4/1, Error ellipse: s-maj=16.0km s-min=6.9km az=141.0

BJI 18 01:54:16.3, 15.52S:172.63W, h40km, mb5.2, mb5.0, MS4.9, MS4.4

ISC 18 01:54:14.0:1.0, 15.25S:0.1:173.4W, 0.1, h10km, (h12km, 5km, P-P), n70, e1802/43, mb4.4/22, MS4.5/15, 1C-2D, Tonga Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like RAR Rarotonga, RPT Papeete, TBI Tui, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AS12 Alice Springs, ASAR Alice Springs, CBJ Chichi jima, etc.

ISC 18 01:56:25.9:0.7, 15.19S:173.48W, mb4.2/12, mb1 4.4/12, mb1mx4.3/20, MS4.3/1, Ms1 4.2/1, ms1mx3.5/18, Error ellipse: s-maj=17.4km s-min=17.2km az=131.0

NEIC 18 01:56:27.0:0.4, 15.15S:173.46W, h10km, mb4.5/3, Error ellipse: s-maj=17.8km s-min=8.9km az=130.0

ISC 18 01:56:25.0:0.5, 15.25S:0.1:173.5W, 0.1, h10km, n26, o74/22, mb4.2/14, MS4.3/1, Tonga Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like URZ Urewera, RPZ Rata Peaks, CTA Charters Tower, etc.











Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like URZ Urewera, STKA Stephens Creek, WB2 Warramunga Arr, etc.

IDC 18 04:39:47.7±0.8, 12.55N:144.87E, mb3.9/11, mb1 4.1/11, mb1mx4.0/19, MS3.4/1, Ms1 3.4/1, ms1mx2.8/30, Error ellipse: s-maj=30.2km s-min=16km az=101.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SAPN Saipan, PMG Port Moresby, WRAB Tennant Arr, etc.

IDC 18 04:49:30.8±0.9, 56.37S:24.49W, mb3.9/4, mb1 4.1/4, mb1mx3.9/12, Error ellipse: s-maj=36.6km s-min=26.8km az=40.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, etc.

MDD 18 04:55:50.5±1.7, 36.99N:11.00W, h19km, 50km, mb3.8/12, Error ellipse: s-maj=58.4km s-min=9.8km az=53.0, PRXIMO

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PTEO Sao Teotonio, MOE Montemor, PBEJ Beja, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ESPR 1.8nm, 0.2s, SNR=18, MTE Manteigas, PVIS Visu, etc.

IDC 18 05:31:43.2±0.8, 24.35S:176.2W, 0.2, h15km, n8, ±0.83/8, mb4.1/7, MS3.6/1, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KEDI Kedondong, RATI Ratu, RATI Ingot, etc.

IDC 18 05:31:41.0±2.7, 25.00S:175.84W, mb4.0/5, mb1 4.3/5, mb1mx4.0/13, MS3.7/1, Ms1 3.7/1, ms1mx3.0/17, Error ellipse: s-maj=184.0km s-min=26.8km az=161.0

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

IDC 18 05:59:55.9±3.4, 30.31S:138.56E, mb1 2.9/3, mb1mx2.9/10, ML2.3/3, Error ellipse: s-maj=84.3km s-min=13.7km az=45.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like STKA Stephens Creek, STKA Baring Head, OTW Orongorongo Stn, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MTW Kapiti Island, KIWI Blackbirch Sta, BSWZ Mangatoinaka R, etc.

ISK 18 06:30:35.6±0.4, 66.6N:33.01E, h7km, MD3.4, ML3.5, ISK 18 06:30:35.7±0.6, 40.66N:0.03, 33.02E:0.04, h1km±6km, n19, ±0.871/26, 3C, Turkey

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ELDT Eldivan, CANT Cankiri, CANT Safranbolu, etc.

JMA 18 06:38:00.1±0.3, 44.02N:148.11E, M4.0, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like NEM2 Nemuro 2, JRA Rausu, JNK Nakash, etc.

NEIC 18 06:44:37.9±0.2, 32.04S:68.70W, h150km, MD3.2(GUC), After GUC

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PTCH Petorca, CMCH Combarbala, RCDM Rinconada Maip, etc.

IDC 18 06:55:41.8±25.0, 23.26S:173.87W, mb3.8/4, mb1 4.0/4, mb1mx3.8/14, Error ellipse: s-maj=460.0km s-min=143.4km az=79.0, Tonga Islands region

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

NIED 18 07:14:00.42±60N, 143.50E, h74km, Mw3.7 Best double couple: Ms3.61x10^14 NP1±354°, 387°, λ60°. NP2±258°, 333°, λ74°

JMA 18 07:14:06.2±0.1, 42.55N:143.46E, h59km±1km, M3.6

ISC 18 07:14:05.6±1.1, 42.55N:143.46E, h66km±9km, n13, ±0.64/23, 6C-2D, Hokkaido region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like JCH Churui, JOB Onbets, JOB Erimo, etc.

IDC 18 07:45:30.7±2.4, 4.80S:130.05E, mb3.7/1, mb1 3.8/3, mb1mx3.8/12, ML3.4/2, Error ellipse: s-maj=163.0km s-min=29.1km az=70.0, Banda Sea

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

LDG 18 08:23:35.3.0.1, 47.69N, 8.89E, h10km, Md2.9/2, ML2.8/16, Error ellipse: s-maj=2.0km s-min=1.8km az=98.0

NEIC 18 08:23:35.1, 47.70N, 8.90E, h23km, ML2.9(FUR), ML2.8(LDG), ML2.6(ZUR), ML2.3(VIE), After ZUR.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like INGI Ingas, RATI Rata, KEDI Kedondong, KELI Kelakatan.

Code Station Name Az Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like STEIN Stein am Rhein, WEIN Weingarten, FLACH Flach, WILA Wila.

NEIC 18 08:07:39.3.2.2, 19.69S, 169.37E, h85km, 17km, mb4.2/2, Error ellipse: s-maj=21.2km s-min=14.9km az=202.0

ISC 18 08:07:45.5.10.0, 19.88S, 169.25E, h135km, 94km, mb3.9/6, mb1.4, 0.07, mb1mx3.8/15, MS4.1/1, Ms1.4/1.1, ms1mx2.6/16, Error ellipse: s-maj=51.6km s-min=23.5km az=16.0

ISC 18 08:07:41.3.1.2, 19.95S, 0.06, 169.2E, 0.1, h108km, 9gkm, n25, r1914/26, mb4.1/6, 2C-3D, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ZUR Zurich, KAMOR Kamor, GUT Guttenstein, SPAK Spaichingen.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BKM Butte a Klehm, DZM Mont Dzumac, NOUC Port Laguerre, ARMA Armidale, CTX Charters Tower.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ZUR Zurich, KAMOR Kamor, GUT Guttenstein, SPAK Spaichingen, SULZ Sulz-Chesische.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like STKA Stephens Creek, WBA Warramunga Arr, WRAB Tennant Creek, WRA Warramunga Arr, AS12 Alice Springs.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KAMOR Kamor, FELD Feldberg, FELD Feldberg, FELD Feldberg, KIZ Kirchzarten.

SOF 18 08:16:29.0, 39.88N, 23.78E, h10km, MD2.8, ATH 18 08:16:31.5, 39.99N, 23.73E, h43km, MD3.2/3, TH 18 08:16:32.6, 39.93N, 23.82E, h6km, ML3.0, ISC 18 08:16:31.3, 0.5, 39.93N, 0.02, 23.85E, 0.03, h8km, 4gkm, n28, r0586/39, Aegean Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PAIG Paliouri, OUR Ouranopolis, AOS Alonnissos, XOR Xorichiti, LOS Limnos, SOH Sokhos, THE Thessaloniki, LIA Litinos Island, LIT Litinos, SRS Serrai, KNT Kendrikon, AGG Agios Georgios, GRG Griva, MMB Musomiste, RZN Rozhen, ALN Alexandroupoli, KKB Krupnik, MEV Metsovon, FNA Florina, KDZ Kardhali, DIM Dimitrovgrad, PGB Panagyurishte, VIT Vitosa, IGT Igoumenitsa, LKD Levkas.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MSG Mellingen, PLONS Plons, BFO Black Forest, BFO Black Forest, MUO Muotathal, DAVA Damuels, DAVA Damouhels, BUCH Bad Urach, BUCH Bad Urach, UBR Ubrerruh, UBR Ubrerruh, LLL Linth-Limmern, APL Alpach, BNALP Bannalp, BALST Balsthal, BBS Basel-Blauen, LBG Lerchenberg, LBG Lerchenberg, LBG Lerchenberg, HASLI Hasliberg, HASLI Hasliberg, STU Stuttgart.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, TXAR Lailtas Array, BGR 18 08:23:35.4, 0.2, 47.71N, 8.88E, h20km, ML2.5/5, Error ellipse: s-maj=2.2km s-min=1.1km az=11.0, LEDBW 18 08:23:35.2, 0.2, 47.69N, 8.88E, h22km, 2km, ML2.9, Error ellipse: s-maj=4.0km s-min=4.0km az=97.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BNALP Bannalp, BALST Balsthal, BBS Basel-Blauen, LBG Lerchenberg, LBG Lerchenberg, HASLI Hasliberg, HASLI Hasliberg, STU Stuttgart.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like STU Stuttgart, BOURR Bourgnon, MOF Molenrain, HDH Heidenheim, FUSIO Fusio, WLS Weichenbruch, ECH Echery, ECH Echery, CDF Champ du Feu, HINF Hinterfeld, LOMF Lomont, LOMF Lomont, MOTA Moosalm, SOTA Sankt Quirin, FUR Furstendelbru, FUR Furstendelbru, SIND Sindeldorf, SIND Sindeldorf, SIND Sindeldorf, WATA Walderalm, WATA Walderalm, WTTA Wattenberg, WTTA Wattenberg, THEF They Montfort, THEF They Montfort, CABB La Chapelle, CABB La Chapelle, RYFY Refroy, GRFO Grafenberg, GRFO Grafenberg, GRFO Grafenberg, GRFO Grafenberg, MEZF Maizieres J'vi, MEZF Maizieres J'vi, WET Wettzell, WET Wettzell, WET Wettzell, WET Wettzell, KBA Koelnbreinsper, MBDF MBD, GECC GERESS Array S, GECC GERESS Array S, GECC GERESS Array S, GECC GERESS Array S, MOX Moxa, MOX Moxa, ORIF Oris-en-Rattie, ORIF Oris-en-Rattie, SMF Signal de Mont, SMF Signal de Mont, MOA Mollin, MOA Mollin, SSF Saint Saugle, SSF Saint Saugle, AVF Avril sur Loir, AVF Avril sur Loir, VIVF Saint-Julien-I, VIVF Saint-Julien-I, TCF Toulx Ste Croi, TCF Toulx Ste Croi.

ISC 18 09:01:19.4.2.6, 6.66S, 129.20E, mb4.0/2, mb1.4, 3/4, mb1mx4.0/11, ML4.0/2, Error ellipse: s-maj=153.0km s-min=28.6km az=64.0, ISC 18 09:01:39.9.3.4, 7.95S, 1.1, 128.3E, 0.1, h225km, 41km, n7, r0563/11, mb3.7/2, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, WRA Warramunga Arr, WBA Warramunga Arr, AS12 Alice Springs, ASAR Alice Springs, CMAR Chiang Mai Arr, MKAR Makanchi Array, BGR 18 09:33:57.6, 25.0, 2017S, 171.47W, mb4.2/4, mb1.4, 3/4, mb1mx3.8/17, Error ellipse: s-maj=465.0km s-min=153.0km az=75.0, Tonga Islands region













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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like QSPA, MAJO, MAT, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like HIA, ILAR, ILAR, REDW, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BSD, GZT, KBRB, etc.

18d 17h



Table with columns: YANA, Yana, 2.27 345, Pn, 18 40 25.6 +3.4, etc.

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

IDC 18 19:08:30.2, 3.5, 47.46N, 156.28E, mb3.5/5, mb1 3.8/5, mb1mx3.5/19, Error ellipse: s-maj=98.0km s-min=30.2km az=176.0

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

IDC 18 19:28:30.6, 0.9, 47.36N, 156.22E, mb3.6/10, mb1 3.9/10, mb1mx3.7/20, Error ellipse: s-maj=30.9km s-min=19.4km az=178.0

IDC 18 19:28:33.0, 0.9, 47.4N, 156.2E, 0.2, h33km, n10, 0.955/10, mb3.6/10, East of Kuril Islands

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

NNC 18 19:40:48.8, 3.7, 39.94N, 63.22E, h5km, 12km, mpv3.7, Error ellipse: s-maj=29.9km s-min=5.9km az=38.0

IDC 18 19:40:53.7, 0.9, 40.14N, 62.99E, mb3.9/12, mb1 4.1/14, mb1mx4.0/20, ML, 4.2/2, Error ellipse: s-maj=19.8km s-min=15.5km az=156.0

MOS 18 19:40:57.9, 0.9, 40.54N, 63.16E, h33km, mb4.1/1, Error ellipse: s-maj=18.8km s-min=10.8km az=85.5

NEIC 18 19:40:57.9, 0.8, 40.27N, 63.03E, h25km, mb4.0/3, Error ellipse: s-maj=18.7km s-min=16.0km az=161.0

IDC 18 19:40:53.4, 0.7, 40.46N, 63.02E, 0.0, h5km, n37, 0.1507/38, mb3.8/12, 6C-2D, Northwestern Uzbekistan

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

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

NEIC 18 19:50:44.6, 2.4, 41.31S, 153.49E, h124km, 12km, mb4.2/2, Error ellipse: s-maj=34.7km s-min=19.6km az=80.0

IDC 18 19:50:46.8, 1.2, 4.44S, 153.47E, h135km, 9km, mb3.6/9, mb1 3.8/11, mb1mx3.7/16, Error ellipse: s-maj=27.7km s-min=13.8km az=118.0

IDC 18 19:50:44.3, 1.8, 4.35S, 0.1, 153.4E, 0.2, h133km, 14km, n18, 0.0573/19, mb3.7/9, 3C, New Ireland region

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

NEIC 18 20:10:27.9, 1.6, 19N, 98.50W, h23km, MD4.1 (MEX), After MEX.

MEX 18 20:10:29.7, 1.1, 16.44N, 98.44W, h13km, 8km, MD4.1

IDC 18 20:10:27.4, 0.8, 16.36N, 0.06, 98.44W, 0.03, h35km, 14km, n32, 0.0999/25, Near coast of Guerrero

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

PDG 18 20:10:41.3, 0.2, 40.53N, 19.83E, h8km

TIR 18 20:10:43.5, 40.96N, 20.27E, h1km, ML2.7

THE 18 20:10:45.7, 40.99N, 20.25E, h10km, ML3.2

NEIC 18 20:10:45.2, 0.5, 40.93N, 20.34E, h5km, n38, MD2.9 (PDG), Error ellipse: s-maj=10.4km s-min=5.5km az=60.0

ATH 18 20:10:46.8, 40.87N, 20.41E, h5km, MD3.3/5

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

JMA 18 20:18:20.1, 26.50N, 129.86E, h45km, M3.1

IDC 18 20:18:23.6, 1.6, 27.29N, 129.29E, mb3.6/3, mb1 3.7/3, mb1mx3.4/18, Error ellipse: s-maj=31.0km s-min=25.2km az=165.0

IDC 18 20:18:20.1, 0.6, 26.50N, 0.04, 129.85E, 0.04, h45km, n14, 0.082/23, mb3.6/1, Ryukyu Islands

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

NIED 18 20:21:00.26, 50N, 129.90E, h32km, Mw4.0, Best double couple: M1.07x10^15 NP1.9x121°, 889°, 145°. NP2.3x10^15, 845°, 179°

JMA 18 20:21:44.3, 0.1, 26.50N, 129.87E, h43km, M3.6

NEIC 18 20:21:47.6, 0.6, 26.53N, 129.74E, Error ellipse: s-maj=16.7km s-min=10.7km az=79.0

IDC 18 20:21:47.9, 0.8, 26.49N, 129.75E, h38km, 7km, mb3.2/9, mb1 3.5/10, mb1mx3.4/20, ML3.3/1, MS2.6/1, Ms1 2.6/1, ms1mx2.3/18, Error ellipse: s-maj=25.5km s-min=14.0km az=62.0

IDC 18 20:21:43.9, 1.8, 26.51N, 0.04, 129.83E, 0.03, h26km, 14km, h33km, 1.4km, pp-P, n25, 0.088/35, mb3.4/9, Ryukyu Islands

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

Code, Station Name, Az, Az', Phase ID, Time, Res, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HATJ Hatsumajima, KJRS Kuro-shima, IRIF Iriomote-Funau, etc.

MOS 18 22:20:37.4, 1.1, 41.86N, 135.90E, h341km, mb3.9/2, Error ellipse: s-maj=24.9km s-min=15.4km az=106.3

NEIC 18 22:20:39.9, 0.9, 41.78N, 135.95E, h354km, 10km, mb3.8/8, Error ellipse: s-maj=11.9km s-min=9.5km az=174.0

IDA 18 22:20:39.1, 5.4, 41.81N, 135.94E, h341km, 15km, mb3.9/12, mb 1.3, 18, mb 1mx3, 4/22, Error ellipse: s-maj=13.7km s-min=12.1km az=167.0

JMA 18 22:20:41.0, 0.3, 41.84N, 136.27E, h386km, 4km, M3.4, Error ellipse: s-maj=13.7km s-min=12.1km az=167.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JOSH Okushiri-Mats, JSH Shimam, JSK Shakotan, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, NOUC Port Laguerre, NOUC Port Laguerre, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AS12 Alice Springs, ASAR Alice Springs, FORT Forrest, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ILAR Eielson Array, ANMO Albuquerque, MCMT McKenzie Canyon, etc.







ISC 19 00:04:36.5±0.8, 44.20N,0.04-128.83W,0.09, h10km, n74, ±104.77, mb3.6/7, MS3.3/4, Off coast of Oregon

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

ZUR 19 00:39:03.8, 46.30N, 7.25E, h2km, ML 1.4/5, LDG 19 00:39:04.9±0.2, 46.28N, 7.27E, h2km, Md1.9/2, Ml1.8/8, Error ellipse: s-maj=0.4km s-min=3.0km az=109.0

NEIC 19 00:39:04.9, 46.28N, 7.27E, h2km, ML 1.8(LDG), ML 1.4(ZUR), After LDG.

ISC 19 00:39:03.5±0.7, 46.33N, 0.02-7.19E, 0.05, h10km, 7km, n15, ±0.64/23, 2C, Switzerland

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Lists seismic stations for the Switzerland event.

ISC 19 00:49:20.7±0.9, 55.90S, 29.12W, mb3.9/4, mb1.4/1, mb1mx3.9/11, Error ellipse: s-maj=49.1km s-min=23.8km az=60.0

NEIC 19 00:49:26.3±1.1, 55.70S, 27.85W, h63km, 34km, mb4.4/1,

Error ellipse: s-maj=56.5km s-min=12.9km az=66.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Lists seismic stations for the South Sandwich Islands region event.

ISC 19 00:49:24.6±1.4, 55.75S, 0.3-27.8W, 0.8, h63km, n11, ±0.82/9, mb4.0/5, 1C-3D, South Sandwich Islands region

ISC 19 00:56:11.5±0.3, 22.69N, 0.02-121.28E, 0.02, h25km, 2km, n75, ±101/122, mb3.4/8, MS3.0/1, 12C-5D, Taiwan region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Lists seismic stations for the Taiwan region event.

comp=Z.66nm, 19.2s, baz=234, slow=37

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Lists seismic stations for the 19d 1h event.

ISC 19 01:14:48.0±1.8, 8.85S, 122.28E, mb3.8/2, mb1.4/0.4, mb1mx3.8/11, ML3.8/2, Error ellipse: s-maj=217.0km

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Lists seismic stations for the Flores region event.

ATH 19 01:15:13.4, 39.22N, 21.54E, h25km, 3km, MD2.8/3

NEIC 19 01:15:13.4, 39.22N, 21.54E, h25km, MD2.8(ATH), After ATH.

THE 19 01:15:15.1, 39.24N, 21.57E, h7km, ML 2.5

ISC 19 01:15:13.7±0.4, 39.24N, 0.03-21.55E, 0.03, h7km, n17, ±0.99/22, Greece

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Lists seismic stations for the Greece event.

ISK 19 01:31:29.6, 37.92N, 26.94E, h6km, MD3.2

ATH 19 01:31:29.6, 37.92N, 26.94E, h10km, MD3.1/3

ISC 19 01:31:29.8±0.7, 38.15N, 0.04-26.61E, 0.05, h10km, n15, ±19.2/30, 1C, Aegean Sea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Lists seismic stations for the Aegean Sea event.

PGC 19 01:42:37.9, 50.58N, 130.48W, h10km, MLsn3.7/1, West of Vancouver Island, British Columbia

NEIC 19 01:42:37.0, 50.58N, 130.48W, h10km, ML3.7(PGC), After PGC.

ISC 19 01:42:41.8±1.8, 50.79N, 129.93W, mb3.4/2, mb1.3/8.8, mb1mx3.6/21, ML3.4/6, MS3.0/3, M1.3/0.3, ms1mx2.8/17, Error ellipse: s-maj=26.6km s-min=11.6km az=77.0

ISC 19 01:42:38.2±0.5, 50.78N, 0.03-130.20W, 0.06, h10km, n73, ±109/93, mb3.4/2, 3C-1D, Vancouver Island region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Lists seismic stations for the Vancouver Island region event.



Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, Residual Error. Includes stations like HJH2 Mitsune, HJH Hachijo jima, BSO1 Boso, etc.

IDC 19 04:47:05.6-4.3, 30.12Sx178.07W, mb3.8/2, mb1 4.0/2, m=1mx3.6/12, Error ellipse: s-maj=198.0km s-min=65.7km az=160.0, Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, Residual Error. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, FINES FINES Array B, etc.

ATH 19 04:49:43.9, 38.05N-27.18E, h43km, 5km, MD3.2/3 ISK 19 04:49:45.9, 38.04N-26.68E, h15km, MD3.1

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, Residual Error. Includes stations like SMG Samos, IZM Izmir, KDAG Bornova, etc.

NEIC 19 04:56:31.1, 18.48N-68.83W, h163km, MD3.7(RSPR), After RSPR

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, Residual Error. Includes stations like LSP Las Mesas, MGP Maguayo, LRS Lares, etc.

ISC 19 05:06:10.2-2.1, 38.19N-0.05-26.6E:0.1, h10km, n7, a1510/14, Aegean Sea

CASC 19 05:09:33.5-2.1, 14.37N-92.15W, h93km, 11km, MD4.8, ML5.2, MW5.5, mb5.0(NEIC)

ms1mx4.2/18, Error ellipse: s-maj=23.5km s-min=11.2km az=52.0 SYO 19 05:09:39.4, 14.31N-91.76W, h40km, MB5.0, MS4.2

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, Residual Error. Includes stations like JAT Jato, FUG Fuego 3, TER Terranova, etc.

ISC 19 05:09:37.3-0.3, 14.23N-0.04-91.87W-0.02, h42km, 3km, h41km, 8km, pp-P, n22n, f124/295, mb4.9/69, MS4.2/60, 23C-13D, Guatemala

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, Residual Error. Includes stations like PYN Penolaya, TEL3 Telica, LEON Leon, etc.

MASN Masaya, APON Apoyo, PNIG Pinotepa, PNIG Pinotepa, CONN Concepcion, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, Residual Error. Includes stations like LSP Las Mesas, MGP Maguayo, LRS Lares, etc.

ISC 19 05:06:10.2-2.1, 38.19N-0.05-26.6E:0.1, h10km, n7, a1510/14, Aegean Sea

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, Residual Error. Includes stations like IZM Izmir, KDAG Bornova, KDAG Bornova, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, Residual Error. Includes stations like SJS Escuela Geolog, SJS SJS, TRTC Tortuguero, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, Residual Error. Includes stations like JAT Jato, FUG Fuego 3, TER Terranova, etc.

ISC 19 05:09:37.3-0.3, 14.23N-0.04-91.87W-0.02, h42km, 3km, h41km, 8km, pp-P, n22n, f124/295, mb4.9/69, MS4.2/60, 23C-13D, Guatemala

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, Residual Error. Includes stations like PYN Penolaya, TEL3 Telica, LEON Leon, etc.

MASN Masaya, APON Apoyo, PNIG Pinotepa, PNIG Pinotepa, CONN Concepcion, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, Residual Error. Includes stations like LSP Las Mesas, MGP Maguayo, LRS Lares, etc.

ISC 19 05:06:10.2-2.1, 38.19N-0.05-26.6E:0.1, h10km, n7, a1510/14, Aegean Sea

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Residual, Residual Error. Includes stations like IZM Izmir, KDAG Bornova, KDAG Bornova, etc.

Table of meteorological data for stations 1-100, including station name, coordinates, and various parameters like elevation and frequency.

Table of meteorological data for stations 101-200, including station name, coordinates, and various parameters like elevation and frequency.

Table of meteorological data for stations 201-300, including station name, coordinates, and various parameters like elevation and frequency.

NEIC 19 05:15:45.7, 1.8, 3.45S; 151.49E, h371km, 15km, mb3.9/3, Error ellipse: s-maj=36.6km s-min=19.1km az=114.0

MOS 19 05:18:57.0, 1.1, 51.28N; 156.37E, h129km, mb3.8/5, Error ellipse: s-maj=35.0km s-min=16.6km az=75.6











Table of station data for 19d 8h, including call signs, frequencies, and signal quality indicators.

Table of station data for 2004 APR, including call signs, frequencies, and signal quality indicators.

Table of station data for 450, including call signs, frequencies, and signal quality indicators.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ZSPA, ZRND, ZAWK, ZMIAW, ILAR, ILAR, COLA, COLA, IMA, KDKA, KDKA, MKAR, WMQ, WMQ, WMQ, WMQ, YAK, YAK, TBI, TBI, TBI, TBI, LSA, LSA, SONM, SONM, SONM, HIA, HIA, PET, PET, LZH, LZH, LZH, LZH, LZH, LZH, CMAR, XAN, XAN, BJI, BJI, BJI, BJI, KMI, KMI, KMI, CN2, CN2, COCO, COCO, MDJ, MDJ, MDJ, MDJ, MDJ, MDJ, MDJ, MDJ, MDJ, MDJ, ENH, ENH, INCN, INCN, NJ2, NJ2, NJ2, NJ2, QIZ, QIZ, QIZ, QIZ, SSE, SSE, SSE, MAJO, MAJO, TOO, TOO, FORT, FORT, STKA, STKA, STKA, FITZ, FITZ, AS12, AS12, ASAR, ASAR, ASAR, WRA, WRA, WRAB, WRAB.

2004 APR

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like WRA, ASAR, SONM, MKAR, ILAR, YKA, FINES, KRSC, MOS, OSSR, KBG, KBTB, KBTB, SVLR, SVLR, KLY, KLY, CIRR, CIRR, ZLN, ZLN, SRDR, SRDR, BKI, BKI, KPT, KPT, KOZ, KOZ, KMN, KMN, ESO, ESO, TUMR, TUMR, MKZ, MKZ, SEY, SEY, SPN, SPN, GNL, GNL, SDLR, SDLR, AVH, AVH, KOK, KOK, UGLR, UGLR, PET, PET, RUS, RUS, ILAR, ILAR, ILAR, ILAR, BOD, BOD, YKA, YKA, YKA, MKAR, PDAR, TXAR, TXAR, WRA, WRA.

19d 11h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like URZ, URZ, RAR, RAR, RPZ, CTA, STKA, PMG, ASAR, WB2, WRAB, WRA, WRA, VNA, VNA, VNA, GSPA, YBH, NVAR, TXAR, TXAR, CMAR, YKA, JTT, JTT, NAH, NAH, JKE, JKE, JAGN, JAGN, JOW, JOW, JOW, JOW, JIH, JIH, JIGS, JIGS, JTK, JTK, JMZ, JMZ, JAM, JAM, JNU, JNU, ASAJ, ASAJ, SONM, SONM, MKAR, MKAR, WRA, WRA, ASAR, ASAR, STKA, STKA, STKA, YKA, YKA, NOA, NOA, NEIC, GUC, MDZ, MDZ, MDZ, JACH, JACH, JACH, JACH, PTCH, PTCH, PTCH, CMCH, CMCH, CMCH, ILCH, ILCH, ILCH, FCH, FCH, FCH, PEL, PEL, PEL, ROCH, ROCH, TLL, TLL, TLL, CLCH, CLCH, CLCH, PACH, PACH, PACH, PACH, RCDM, RCDM, RCDM, RCDM, LMEL, LMEL, LMEL, TACH, TACH, TACH, CHCH, CHCH, CHCH, CACH, CACH, CACH, SFDO, SFDO.



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

NEIC 19 12:20:34.7±1.0, 24.57N±122.06E, h72km±11km, Error ellipse: s-maj=19.6km s-min=15.1km az=196.0

TAP Felt II J at Nanau

JMA 19 12:20:35.0±0.3, 24.77N±122.13E, h67km, M3.0

IDC 19 12:20:36.8±4.7, 24.63N±122.26E, h91km±46km, mb3.1/5,

s-min=18.4km az=70.0

ISC 19 12:20:34.6±3.2, 24.68N±122.09E±0.02, h73km±3km,

m6.9, m0.72/121, mb3.2±5, 10D, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TWC, ILA, TWB1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TWQ1, WDT, SMLT, etc.

MOS 19 12:26:21.7±2.1, 55.80N±110.42E, h18km, mb4.2/1, 1C,

Error ellipse: s-maj=47.5km s-min=29.2km az=137.2,

Lake Baykal region

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

IDC 19 12:50:05.2±1.7, 0.92S±127.34E, mb3.4/4, mb1 3.6/5,

mb1mx3.4/14, ML2.9/1, Error ellipse: s-maj=103.0km,

s-min=24.1km az=68.0

ISC 19 12:50:08.3±1.6, 1.05±0.2, 127.2E±0.5, h33km, n5, ±1914/5,

mb3.6/3, Halmahera

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

TIF 19 13:13:44.5, 42.42N±43.50E, h11km, Mpv3.6, 1C,

Western Caucasus

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

MKAR Makanchi Array 57.90 326 P P 14 14 38.2 -2.7

0.2nm, 0.5s, baz=125, slow=7.4, SNR=3.9

PRU 19 14:05:26.9, 50.10N±18.45E

WAR 19 14:05:27.4, 50.06N±18.42E, ML2.3, Mining Induced

NEIC 19 14:05:27.0±2.0, 50.04N±18.46E, h5km, Error ellipse:

s-maj=22.0km s-min=13.6km az=53.0

ISC 14:05:26.3±0.6, 50.11N±0.04±18.45E±0.04, n9, ±1909/17,

Poland

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

IDC 19 14:44:41.9±1.3, 5.61S±152.21E, mb3.9/7, mb1 4.2/8,

mb1mx4.0/15, ML3.2/1, MS3.7/2, Ms1 3.7/2, ms1mx3.1/13,

Error ellipse: s-maj=54.5km s-min=18.9km az=125.0,

NEIC 19 14:44:49.1±1.7, 5.54S±151.92E, h5km, 15km, Error

ellipse: s-maj=37.7km s-min=30.0km az=124.0

ISC 19 14:44:47.6±2.2, 5.65±0.2, 152.1E±0.2, h54km, 17km, n16,

±1504/15, mb3.8/7, MS4.3/1, New Britain region

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

MAN 19 14:56:47.2, 10.53N±125.09E, h1km, mb3.9, ML2.7, MS2.3,

4C, Leyte

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

ATH 19 15:27:12.6, 40.73N±27.90E, h19km, MD4.0/10, ML4.3

MOS 19 15:27:15.2±0.9, 40.66N±27.62E, h10km, mb4.2/4, Error

ellipse: s-maj=7.0km s-min=4.7km az=106.1

ZUR\_RM 19 15:27:16.0, 61.1N±27.70E, h2km, Mw4.1/11, Moment

Tensor Solution: s11 Moment tensor: Scale 1015Nm;

Mm-0.41; Mm-1.45; Mm-1.85; Mm-0.36; Mm-0.29;

Mm-0.19; Best double couple: M1: 74x1015 NPI h39°;

380°±15°; NP2: 311°±87°; λ=170°; Principal axes: T

1.88g; P1g4°; Azm85°; N=298; P1g72°; Azm188°; P=1.59,

Plg18°; Azm354°;

SOF 19 15:27:16.6, 40.74N±27.53E, h10km, MD3.6

NEIC 19 15:27:16.6, 40.61N±27.70E, h16km, mb4.1/8, ML4.5(SIK),

ML4.3(ATH), After ISK.

ISK 19 15:27:16.6, 40.61N±27.70E, h16km, MD4.0, ML4.1

THE 19 15:27:18.4, 40.57N±27.71E, h20km, ML4.1

IDC 19 15:27:20.1±2.8, 40.61N±27.46E, h44km±32km, mb3.3/7,

mb1 3.6/9, mb1mx3.5/20, ML3.7/3, MS3.1/1, Ms1 3.1/1,

ms1mx2.5/13, Error ellipse: s-maj=38.6km s-min=26.3km

az=75.0

ISC 19 15:27:17.0±0.4, 40.66N±02.27±64E±0.02, h25km±4km,

n145, ±0.95/159, mb3.7/9, MS3.0/1, 10C-7D, Turkey

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











19d 23h

Table with columns: STKA, Stephens Creek, 79.83 184 P, comp=2.0,5m,0.5s,mb3.1,baz=23,slow=7.7,SNR=3.6

TAP 19 20:42:02.8, 24.80N, 122.00E, h4km, 1km, ML2.8

JMA 19 20:42:03.4, 0.3, 24.96N, 122.06E, h4km, M2.1

ISC 19 20:42:02.3, 2.6, 25.2N, 122.122E, 0.2, h4km, n5, 0.946/8,

Table with columns: Code, Station Name, A, AZ, Phase ID, Time, Res, ISC

IDC 19 20:52:12.8, 10.0, 17.12S, 178.97W, h491km, 136km,

NEIC 19 20:52:18.9, 1.0, 17.33S, 179.04W, h570km, mb4.4/1,

ISC 19 20:52:18.0, 1.6, 17.35S, 179.1W, 0.4, h570km, n14,

Table with columns: Code, Station Name, A, AZ, Phase ID, Time, Res, ISC

NEIC 19 21:02:32.8, 3.8, 0.11N, 123.47E, h168km, 37km, mb4.1/3,

IDC 19 21:02:34.1, 4.2, 0.06N, 123.36E, h178km, 38km, mb3.7/9,

ISC 19 21:02:33.2, 6.1, 0.0N, 0.2, 123.3E, 0.3, h187km, 61km, n17,

Table with columns: Code, Station Name, A, AZ, Phase ID, Time, Res, ISC

IDC 19 21:34:33.1, 6.8, 24.18S, 177.12W, h105km, 67km, mb3.9/7,

NEIC 19 21:34:34.4, 2.5, 24.25S, 177.08W, h122km, 24km, mb4.5/2,

ISC 19 21:34:31.9, 2.8, 24.2S, 0.1, 177.2W, 0.1, h109km, 28km,

Table with columns: Code, Station Name, A, AZ, Phase ID, Time, Res, ISC

2004 APR

Table with columns: STKA, LR, LR, 21 54 38.8

ISK 19 21:42:18.8, 38.11N, 26.59E, h4km, MD3.4, ML3.5

THE 19 21:42:20.3, 38.27N, 26.67E, h10km

Code Station Name A AZ Phase ID Time Res ISC

Table with columns: Code, Station Name, A, AZ, Phase ID, Time, Res, ISC

WEL 19 21:55:50.5, 0.5, 36.81S, 177.44E, h198km, 40km, ML3.6/1,

Code Station Name A AZ Phase ID Time Res ISC

Table with columns: Code, Station Name, A, AZ, Phase ID, Time, Res, ISC

IDC 19 22:14:04.5, 2.5, 18.54S, 177.03W, mb3.8/3, mb1 4.0/3,

Code Station Name A AZ Phase ID Time Res ISC

Table with columns: Code, Station Name, A, AZ, Phase ID, Time, Res, ISC

IDC 19 22:19:14.0, 5.2, 12.20S, 166.88E, mb3.8/4, mb1 3.9/4,

ISC 19 22:19:37.7, 4.5, 12.9S, 0.2, 166.7E, 0.5, h211km, 56km, n6,

Table with columns: Code, Station Name, A, AZ, Phase ID, Time, Res, ISC

NIED 19 22:57:00, 26.50N, 129.90E, h5km, Mw4.2 Best double

458

JMA 19 22:57:41.9, 0.1, 26.51N, 129.87E, h45km, M3.7

NEIC 19 22:57:45.0, 4.0, 26.57N, 129.75E, Error ellipse:

IDC 19 22:57:45.3, 0.7, 26.61N, 129.78E, h34km, 5km, mb3.7/15,

ISC 19 22:57:41.1, 1.7, 26.55N, 0.04, 129.82E, 0.04, h2km, 13km,

Table with columns: Code, Station Name, A, AZ, Phase ID, Time, Res, ISC

SONM Songoing Array 50.99 318 P P 23 03 32.7 -0.7

WRA Warramunga Arr 46.42 174 P P 23 06 08.2 -0.3

ASAR Alice Springs 50.85 175 P P 23 06 37.4 +0.4

BVAR Borovoye 51.06 318 P P 23 06 44.1 +0.7

STKA Stephens Creek 59.17 168 P P 23 07 43.3 +0.2

ILAR Eielson Array 63.48 28 P P 23 08 01.1 -1.7

INK Inuvik 68.03 23 P P 23 08 40.7 -0.1

NOA Norton Array 79.65 334 P P 23 09 48.4 +0.1

MLR Muntele Rosu 80.51 316 P P 23 09 54.7 +1.5

PDAR Pinedale Array 92.02 39 P P 23 10 21.3 +1.4

MOS 19 23:00:38.9, 1.1, 34.05N, 26.06E, h24km, mb4.5/8, Error

CSEM 19 23:00:40.4, 34.31N, 26.35E, h26km, mb4.5

ZUR\_RM 19 23:00:42.34, 16N, 26.16E, h45km, Mw4.8/18, Moment

NEIC 19 23:00:42.5, 0.6, 34.16N, 26.15E, h28km, 5km, mb4.4/6/1,

THE 19 23:00:43.8, 24.31N, 26.04E, h14km, ML4.2

IDC 19 23:00:44.2, 34.36N, 26.15E, h36km, 6km, MD4.2/20,

Code Station Name A AZ Phase ID Time Res ISC

Table with columns: Code, Station Name, A, AZ, Phase ID, Time, Res, ISC

Table with columns: Call Sign, Name, Frequency, Mode, and other parameters. Includes stations like AKMC Akamas, AOS Alonissos, ALFC Alevga, etc.

Table with columns: Call Sign, Name, Frequency, Mode, and other parameters. Includes stations like KIS comp=N,1um,13.0s, KIS comp=N,2um,14.0s, etc.

Table with columns: Call Sign, Name, Frequency, Mode, and other parameters. Includes stations like ORIF comp=Z,536nm,21.8s, BRG Berggiesshobel, etc.









Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SSD Sandimen, CHN4 Tsoushan, CHN1 Nanshi, etc.

PRU 20 04:07:23.9, 51.46N, 16.11E
WAR 20 04:07:24.0, 51.48N, 16.07E, ML2.7, Mining Induced
NEIC 20 04:07:26.7, 51.29N, 15.91E, h5km, ML2.3(VIE), Error ellipse: s-maj=27.0km s-min=8.4km az=218.0

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

NIED 20 04:11:00, 42.20N, 144.40E, h11km, Mw4.4 Best double couple: M4.21x10^15 N1:140, P1:163, S1:64, lambda1. NP2:53, 85, lambda2.
SKHL 20 04:11:02.5, 4.3, 42.00N, 144.10E, h40km, 9km, mb5.7/2, ms4.1/3
MOS 20 04:11:05.3, 0.9, 42.19N, 144.33E, h37km, mb4.8/16, Error ellipse: s-maj=13.2km s-min=6.8km az=77.4

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JOB Onbets, JAK Akkeshi, JCH Churui, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YUK Yuzh-Kuril'sk, YUK comp=Z, 5um, 0.8s, YUK comp=N, 3um, 1.0s, etc.

YSS Yuzh-Sakhalins 4.87 347 eP P 04 12 18.0 -0.6
YSS 04 12 31.8
YSS 04 13 13.0 -1.5
YSS 04 13 18.7

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YSS comp=E, 150nm, 1.0s, YSS erx, rx, etc.

MAJO Matushiro 7.43 222 ePN Pmax pmax 04 12 53.0 -1.6
MAJO Matushiro 7.43 222 eP P 04 12 53.0 -1.6
MAJO Matushiro 7.43 222 eS S 04 12 53.1 -1.5
MAJO Matushiro 7.43 222 ePN Pmax pmax 04 12 53.0 -1.6

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

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NJ2 comp=N, 830nm, 19.0s, MS4.3, NJ2 comp=E, 610nm, 18.8s, MS4.3, etc.

IMA Indian Mountain 41.06 33 eP Pmax 04 18 47.6 +0.2
IMA Indian Mountain 41.06 33 eP P 04 18 47.6 +0.3
RSD Redout South 41.45 42 eP P 04 18 50.5 -0.1
MCK McKinley 43.07 37 eP Pmax 04 19 03.7 0.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MCK McKinley, PMR Palmer, PMR Palmer, etc.

PKI Pulchoki 48.41 273 eP P 04 19 52.8 -3.0
ZRNK Zrnok 48.72 310 eP P 04 19 55.8 -0.6
DMN Daman 48.81 273 eP P 04 19 55.4 -2.0
GKN Gorkha 49.95 274 eP P 04 19 58.9 +0.5

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





Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KHZ Kahutara, DSZ Denniston, etc.

JSN 20 07:10:29.6,0.9, 17.58N,76.87W, MD3.8, 4C-6D, Jamaica region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PCJ Portland Cotta, HOJ Hope, etc.

IDC 20 07:12:29.7, 1.7, 32.22S, 177.73W, mb3.6/3, mb1 3.9/5, mb1mx3.8/15, ML3.9/2, MS4.1/2, Ms1 4.2/2, Ms1 4.2/2, Ms1 4.2/2, Error ellipse: s-maj=53.6km s-min=25.6km az=144.0

NEIC 20 07:12:31.4, 0.2, 32.14S, 177.73W, h10km, Error ellipse: s-maj=26.8km s-min=12.6km az=145.0

ISC 20 07:12:28.4, 1.1, 32.4S, 0.1, 177.6W, 0.2, h10km, n7, 015016/6, mb3.6/3, MS4.2/2, South of Kermadec Islands

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

NEIC 20 07:17:33.1, 0.5, 26.23S, 177.21W, mb5.1/3, Error ellipse: s-maj=12.6km s-min=12.6km az=173.0

IDC 20 07:17:33.5, 0.2, 26.08S, 177.35W, h90km, 7km, mb3.9/10, mb1 4.1/10, mb1mx4.1/13, MS3.7/4, Ms1 3.7/4, ms1mx3.3/19, Error ellipse: s-maj=34.7km s-min=18.0km az=159.0

ISC 20 07:17:32.1, 0.5, 26.3S, 0.1, 177.4W, 0.1, h93km, h93km, 2.3km, pp-P, n32, 0599/25, mb4.3/12, 1C-4D, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like RAR Rarotonga, CTA Charters Tower, etc.

ISC 20 08:15:55.1, 3.1, 17.3S, 0.2, 178.0W, 0.2, h33km, n8, 0543/8, mb4.3/6, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like URZ Urewera, STKA Stephens Creek, etc.

IDC 20 07:39:27.6, 7.3, 5.20S, 153.93E, h132km, 55km, mb3.5/6, mb1 3.7/7, mb1mx3.5/15, Error ellipse: s-maj=51.8km s-min=32.5km az=75.0

ISC 20 07:39:27.4, 5.5, 5.3S, 0.2, 154.0E, 0.3, h146km, 42km, n7, 0599/8, mb3.6/6, New Ireland region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PMG Port Moresby, WRA Warramunga Arr, etc.

IGQ 20 08:09:59.7, 1.195, 80.99W, h12km, 29km, mb4.3, 5C-4D, Error ellipse: s-maj=28.0km s-min=5.3km az=167.1, Near coast of Ecuador

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CUPA Cupa, IGUA Igua, etc.

JMA 20 08:13:24.6, 26.53N, 129.89E, h46km, M3.4, IDC 20 08:13:24.4, 1.4, 26.34N, 129.53E, mb3.4/4, mb1 3.6/5, mb1mx3.4/10, ML3.3/1, Error ellipse: s-maj=38.8km

ISC 20 08:13:24.7, 2.1, 26.55N, 0.0, 129.85E, 0.04, h32km, 18km, n17, 0599/27, mb3.4/4, Ryukyu Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JMW Minamidaito 2, JMW Kunigami, etc.

IDC 20 08:15:51.9, 1.6, 17.17S, 177.96W, mb4.1/5, mb1 4.4/5, mb1mx4.0/15, Error ellipse: s-maj=47.9km s-min=31.0km az=152.0

ISC 20 08:15:55.1, 3.1, 17.3S, 0.2, 178.0W, 0.2, h33km, n8, 0543/8, mb4.3/6, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like URZ Urewera, STKA Stephens Creek, etc.

IDC 20 08:17:49.5, 0.9, 28.83N, 94.30E, mb3.8/8, mb1 4.0/9, mb1mx3.9/17, MS2.9/1, Ms1 3.1/1, ms1mx2.6/22, Error ellipse: s-maj=54.8km s-min=15.8km az=60.0

NEIC 20 08:17:53.6, 4.3, 28.91N, 94.46E, h27km, 33km, mb4.1/3, Error ellipse: s-maj=17.3km s-min=10.1km az=51.0

ISC 20 08:17:51.3, 0.3, 28.87N, 0.6, 94.39E, 0.07, h27km, n25, 0578/31, mb3.0/5, Eastern Xizang-India border region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like LSA Lhasa, KLN Shillong, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ULN Ulanbaatar, KUR Kurchatov, etc.

JMA 20 08:26:13.9, 0.3, 43.99N, 147.98E, M4.5, MOS 20 08:26:14.8, 1.1, 3.4, 70N, 148.02E, h67km, mb3.8/1, Error ellipse: s-maj=39.8km s-min=28.7km az=137.1

IDC 20 08:26:17.5, 4.4, 44.52N, 148.07E, h80km, 41km, mb3.2/5, mb1 3.4/6, mb1mx3.2/21, ML3.6/1, Error ellipse: s-maj=84.0km s-min=28.6km az=163.0

ISC 20 08:26:13.8, 1.2, 44.41N, 0.09, 148.1E, 0.1, h64km, 11km, n21, 0194/30, mb3.5/5, 1D, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KUR Kuril'sk, KUR Kurchatov, etc.

JMA 20 08:13:24.6, 26.53N, 129.89E, h46km, M3.4, IDC 20 08:13:24.4, 1.4, 26.34N, 129.53E, mb3.4/4, mb1 3.6/5, mb1mx3.4/10, ML3.3/1, Error ellipse: s-maj=38.8km

ISC 20 08:13:24.7, 2.1, 26.55N, 0.0, 129.85E, 0.04, h32km, 18km, n17, 0599/27, mb3.4/4, Ryukyu Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NEM Nemuro 2, JRA Rausu, etc.

NIED 20 09:30:35.90N, 141.60E, h23km, Mw4.1, Best double couple: M1.52x10^19 Np1.6x10^19, 0.82x, 1.86x, NP2.26x223, 0.9x, 1.14x

IDC 20 09:32:26.8, 0.7, 35.89N, 141.54E, mb3.9/11, mb1 4.0/14, s-min=15.5km az=98.0

MOS 20 09:32:29.5, 1.1, 35.78N, 141.63E, h33km, mb4.4/2, Error ellipse: s-maj=19.3km s-min=11.4km az=41.4

JMA 20 09:32:29.0, 3.3, 35.90N, 141.61E, h33km, 4km, M3.7, BUJ 20 09:32:29.3, 85.80N, 141.50E, h41km, mb4.4

NEIC 20 09:32:29.1, 5.3, 35.78N, 141.55E, h42km, 12km, mb4.5/6, Error ellipse: s-maj=12.2km s-min=10.3km az=108.0

ISC 20 09:32:30.8, 1.0, 35.86N, 0.0, 141.57E, 0.09, h40km, 7km, n49, 0588/54, mb4.1/16, 2C, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CHQ Chosi, CHQ Hitachi, etc.



Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Bias, Elevation Bias, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation. Includes stations like Gorkha, Chiang Mai Arr, Urumqi, etc.

NIED 20 09:34:00.35, 90N, 141.50E, h26km, Mw4.4. Best double couple...
IDC 20 09:34:01.4-0.5, 35.85N, 141.53E, mb4.1/17, mb1 4.3/21, mb1mx4.3/26, ML4.0/4, MS3.7/3, Ms1 3.7/3, ms1mx3.3/22, Error ellipse: s-maj=19.0km s-min=13.1km, az=101.0

JMA 20 09:34:06.2-1.3, 35.91N, 141.50E, h51km, mb4.6/6, Error ellipse: s-maj=19.1km s-min=10.5km, az=127.5
BJI 20 09:34:07.4-1.3, 35.90N, 141.50E, h40km, mb4.6
NEIC 20 09:34:07.4-1.3, 35.86N, 141.46E, h41km, 11km, mb4.8/12, Error ellipse: s-maj=10.3km s-min=6.9km, az=92.0
ISC 20 09:34:05.6-0.8, 35.83N, 141.49E, 0.07, h44km, 6km, h32km, 3.3km, pP-P, n67, e0967/4, mb4.4/30, MS3.9/1, 4C, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Bias, Elevation Bias, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation. Includes stations like Chosi, Hitachi, Ysato, Boso, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Bias, Elevation Bias, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation. Includes stations like Gorkha, Dangsing, KAKA, KOLDANDA, etc.

IDC 20 09:45:31.5-0.9, 3.99S, 134.81E, mb4.1/5, mb1 4.4/10, mb1mx4.3/15, MS3.9/5, MS3.9/6, Ms1 3.9/6, ms1mx3.4/21, Error ellipse: s-maj=4.1km s-min=1.7km, az=63.0
NEIC 20 09:45:37.6-1.4, 4.07S, 134.82E, h42km, 18km, mb4.5/6, Error ellipse: s-maj=12.8km s-min=10.3km, az=58.0
ISC 20 09:45:36.4-2.5, 4.23S, 134.7E, 0.1, h52km, 25km, n24, c116/24, mb4.4/8, MS4.0/3, 1C, Irian Jaya region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Bias, Elevation Bias, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation. Includes stations like Port Moresby, Tennant Creek, Warramunga Arr, etc.

IDC 20 10:53:57.5-13.0, 14.20N, 90.72W, mb3.4/2, mb1 3.7/3, mb1mx3.5/16, ML3.3/1, Error ellipse: s-maj=269.0km s-min=106.3km, az=5.0
MEX 20 10:53:59.5-0.4, 13.49N, 91.83W, h14km, 237km, MD4.3
CASC 20 10:54:03.5-2.5, 14.05N, 92.03W, h67km, 22km, MD4.0, ML4.1, MW4.2
ISC 20 10:54:01.4-1.4, 13.70N, 90.62E, 0.03, h18km, 10km, n21, c198/35, mb3.4/2, 1C-3D, Off coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Bias, Elevation Bias, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation. Includes stations like Jato, Pacaya, Ixapaco, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Bias, Elevation Bias, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation. Includes stations like BBDL, RTR, SBL, etc.

IDC 20 10:59:49.5-4.8, 38.82N, 141.65E, h62km, 43km, mb3.3/7, mb1 3.6/8, mb1mx3.4/21, ML3.2/1, Error ellipse: s-maj=26.9km s-min=22.4km, az=154.0
JMA 20 10:59:51.5, 38.82N, 141.58E, h75km, 1km, M3.4
NEIC 20 10:59:52.3-2.2, 38.85N, 141.63E, h88km, 24km, Error ellipse: s-maj=25.7km s-min=23.2km, az=116.0
ISC 20 10:59:50.0-0.6, 38.83N, 141.68E, 0.04, h82km, 4km, n23, c081/36, mb3.5/7, 5C, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Bias, Elevation Bias, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation. Includes stations like Ofunato, Ichinoseki, Ouri, etc.

NEIC 20 11:02:24.1-0.5, 24.17N, 141.44E, h160km, Error ellipse: s-maj=27.3km s-min=12.1km, az=95.0
IDC 20 11:02:24.1-0.5, 24.20N, 141.50E, h168km, 11km, mb3.6/10, mb1 3.9/11, mb1mx3.6/20, Error ellipse: s-maj=24.7km s-min=11.7km, az=95.0
ISC 20 11:02:23.7-1.4, 24.17N, 141.44E, 0.2, h173km, 13km, n16, c083/14, mb3.9/11, 2C, Volcano Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Bias, Elevation Bias, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation. Includes stations like Chichi jima, CBJU, WRA, etc.

IDC 20 11:21:15.2-1.2, 11.24N, 143.39E, mb3.6/7, mb1 3.8/7, mb1mx3.7/19, Error ellipse: s-maj=35.2km s-min=27.7km, az=109.0
NEIC 20 11:21:12.2-0.3, 11.19N, 143.35E, h14km, 22km, Error ellipse: s-maj=30.4km s-min=19.1km, az=117.0
ISC 20 11:21:19.5-2.9, 11.21N, 143.3E, 0.2, h42km, 28km, n9, c075/9, mb3.6/7, 2D, near Mariana Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Bias, Elevation Bias, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation. Includes stations like GUMO, WRA, CHIANG, etc.







Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NORSTAR Subarra, NOA NORSTAR Array B, etc.

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

NEIC 20 14:13:31.0, 5.3, 1.6, 0.03Sx176.28W, h375km, 53km, mb4.0/2, Error ellipse: s-maj=25.7km s-min=18.1km az=150.0

ISC 20 14:13:30.3, 3.7, 16.1S, 0.2, 176.4W, 0.2, h379km, 38km, n21, c096/14, mb3.7/11, Fiji Islands region

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

PLV 20 14:22:39.5, 0.9, 22.36N, 103.25E, MD3.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DHV Doan Hung, BAV Ba Vi, etc.

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

JMA 20 14:56:51.4, 0.3, 23.88N, 121.69E, h61km, ML3.9

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

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

ISC 20 14:59:25.2, 8.8, 44.68Sx121.34E, mb3.3/3, mb1 3.6/3, s-min=54.4km az=157.0, South of Australia

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

ISC 20 15:33:18.7, 1.3, 6.95S, 128.38E, mb3.9/3, mb1 4.5/6, mb1mx4.2/12, ML4.4/3, Error ellipse: s-maj=59.3km

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

DJA 20 15:31:03.6, 0.9, 8.93S, 114.54E, h108km, 77km, MD4.7/4, ML4.0/2, 8D, Error ellipse: s-maj=30.9km s-min=11.5km

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

ISC 20 15:33:18.7, 1.3, 6.95S, 128.38E, mb3.9/3, mb1 4.5/6, mb1mx4.2/12, ML4.4/3, Error ellipse: s-maj=59.3km

NEIC 20 15:33:24.0, 0.6, 7.65S, 127.89E, h145km, Error ellipse: s-maj=26.8km s-min=8.4km az=64.0

ISC 20 15:33:35.4, 3.8, 7.85, 0.2, 127.9E, 0.1, h178km, 43km, n13, c085/17, mb4.0/5, Banda Sea

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

ISC 20 15:41:21.9, 27.0, 22.57S, 172.77W, mb3.8/4, mb1 4.0/4, mb1mx3.7/16, Error ellipse: s-maj=503.0km

s-min=159.5km az=77.0, Tonga Islands region

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

NEIC 20 15:53:59.0, 8.4, 33.27S, 179.01W, h10km, Error ellipse: s-maj=24.0km s-min=19.7km az=81.0

ISC 20 15:53:59.0, 8.4, 33.27S, 179.01W, h80km, 75km, mb3.5/2, mb1 3.8/3, mb1mx3.6/13, ML3.6/1, Error ellipse: s-maj=62.3km s-min=42.9km az=13.0

ISC 20 15:53:53.8, 3.2, 33.75S, 0.1x178.9W, 0.2, h57km, 24km, n18, c15/17, mb3.7/2, 6C, South of Kermadec Islands

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

ISC 20 15:57:32.1, 1.3, 4.37N, 127.54E, mb4.0/6, mb1 4.1/6, mb1mx3.9/17, Error ellipse: s-maj=74.7km s-min=18.7km

ISC 20 15:57:56.8, 1.1, 4.1N, 0.2, 127.5E, 0.3, h250km, n11, c071/11, mb3.9/9, Talaud Islands

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

NEIC 20 16:35:40.9, 0.7, 15.13N, 146.03E, h106km, 4km, mb4.5/4, Error ellipse: s-maj=17.1km s-min=7.7km az=97.0

ISC 20 16:35:42.0, 12.0, 15.12N, 146.07E, h141km, 111km, mb3.8/10, mb1 3.9/10, mb1mx3.8/18, Error ellipse: s-maj=30.2km s-min=16.9km az=82.0

ISC 20 16:35:39.7, 0.8, 15.08N, 0.05, 146.0E, 0.1, h107km, 4km, n10, n22, c082/26, mb4.2/14, 4C, Mariana Islands

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

Table with columns: MKAR, Makanchi Array, 61.16 315 P, P, 16 45 45.1 0.0

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

Table with columns: RTR, El Retiro, 5.98 126 eP, P, 17 45 47.4 +0.9

LDG 20 17:26:07.8:0.8, 15.265x:167.68E, h10km, Mb4.6/2, Error ellipse: s-maj=78.0km s-min=44.4km az=179.0

ISC 20 17:38:55.4:2.0, 47.11N:0.2:153AE:0.2, h55km, 17km, n9, c076/11, mb3.5, Kuril Islands

TEIG Tepich, 6.63 64 P, P, 17 45 55.0 -0.4

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

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

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

ISC 20 17:26:22.4:1.2, 15.765S:0.08:167.56E:0.09, h141km, 10km, n67, c1909/33, mb4.1/15, 2C-2D, Vanuatu Islands

HLW 20 17:44:13.9, 23.14N:37.24E, h25km, Mb3.0

TXAR Lajitas Array, 14.42 327 P, P, 17 47 40.3 +2.4

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

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

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

MEX 20 17:44:20.9:1.4, 17.33N:94.74W, h144km, 9km, MD5.2

HRVD 20 17:44:20.8:0.2, 17.50N:94.63W, h146km, 1km, MW5.4/7/3, Centroid moment tensor solution. LP body waves:

JSC Jenkinsville, 20.60 33 eP, P, 17 48 47.4 -1.5

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

MOS 20 17:44:27.7:1.1, 17.91N:94.44W, h199km, mb4.8/7, Error ellipse: s-maj=23.8km s-min=11.0km az=93.8

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

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

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

MOS 20 17:38:56.4:1.3, 47.22N:153.18E, h62km, mb4.0/1, Error ellipse: s-maj=46.0km s-min=20.2km az=57.7

ISC 20 17:39:00.2:5.0, 47.12N:153.27E, h81km, 46km, mb3.2/5, mb1 3.5/6, mb1mx3.3/21, ML3.3/1, Error ellipse: s-maj=42.6km s-min=21.7km az=116.0

PCRV Puerto La Cruz, 30.00 314 eP, P, 17 50 18.2 +1.7

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

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

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





Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like CMAR, HYB, KLB, etc.

MDD 20 17:45:07.9-4.7, 35.27N-9.19W, h34km, 86km, mbLg2, 1/B, Error ellipse: s-maj=55.7km s-min=19.3km az=37.0, PRXIMO

INMG 20 17:45:09.0-0.8, 35.45N-9.10W, h10km, ML1.9, Error ellipse: s-maj=13.3km s-min=8.6km az=103.0

ISC 20 17:45:08.7-2.0, 35.53N-0.10, 8.87W-0.09, h10km, n11, c=675/18, West of Gibraltar

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like PTEO, PALC, EGRO, etc.

HLW 20 17:52:28.7, 23.10N-37.22E, h1km, Mb3.8

SN5N 20 17:52:32.0, 23.40N-37.29E, Mb4.1, Error ellipse: s-maj=15.7km s-min=12.7km az=87.0

ISC 20 17:52:30.6-0.4, 23.31N-0.05, 37.09E-0.05, h1km, n52, c=1059/49, mb3.9/14, MS3.8/8, 11C, Red Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like YNBS, HSHL, HAGS, etc.

NEIC 20 19:04:53.8, 31.21S-69.28W, h150km, MD3.6(GUC), After GUC

GUC 20 19:04:53.8-0.7, 31.21S-69.28W, h150km, 12km, MD3.6, ML3.6, 1C-2D, San Juan Province

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like CMCH, TLL, PTOCH, etc.

HLW 20 19:06:54.8, 23.17N-37.17E, h10km, Mb3.0

SN5N 20 19:06:55.8, 23.34N-37.29E, Mb3.2, Error ellipse: s-maj=19.4km s-min=12.9km az=107.3

ISC 20 19:06:54.3-3.4, 23.27N-0.07, 37.12E-0.07, h8km, 29km, n18, c=675/17, 7C, Red Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like YNBS, HSHL, HAGS, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like YNBS, LTHS, LTHS, etc.

BUI 20 18:10:17.0, 32.87N-121.32E, h12km, ML3.6, 1C, Southeastern China

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like SSE, SSE, SSE, etc.

WHN 20 18:13:23.1-1.7, 31.28S-178.71W, mb3.4/2, mb1 3.7/2, s-min=59.4km az=157.0, Kermadec Islands region

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

ISC 20 18:19:26.4-4.6, 29.52S-177.84W, mb3.7/3, mb1 3.9/3, s-min=70.3km az=159.0, Kermadec Islands

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

JMA 20 18:56:22.6-0.3, 23.51N-121.65E, h73km, M2.5

TAP 20 18:56:22.5, 23.53N-121.60E, h27km, ML3.1

ISC 20 18:56:22.0-2.4, 23.63N-0.4, 121.60E-0.2, h98km, 35km, n6, c=051/12, Taiwan

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like YOJ, YONAGI, etc.

NEIC 20 19:04:53.8, 31.21S-69.28W, h150km, MD3.6(GUC), After GUC

GUC 20 19:04:53.8-0.7, 31.21S-69.28W, h150km, 12km, MD3.6, ML3.6, 1C-2D, San Juan Province

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like CMCH, TLL, PTOCH, etc.

DLHM 20 19:47:20.5-1.5, 12.32N-44.77E, h2km, 39km, MD3.6, ML3.4, 3D, Western Arabian Peninsula

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like TRBA, TRBA, TRBA, etc.

ISC 20 20:01:47.9-2.0, 3.83S-177.97E, mb3.9/6, mb1 4.2/6, s-min=22.8km az=139.0, Gilbert Islands region

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

NEIC 20 19:29:11.8-0.7, 24.02N-142.16E, mb4.8/1, Error ellipse: s-maj=35.6km s-min=16.5km az=100.0

ISC 20 19:29:09.9-0.9, 23.96N-0.07, 142.2E-0.3, h55km, region

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

NEIC 20 19:30:03.5-1.1, 8.00S-119.90E, h146km, 12km, mb4.3/3, Error ellipse: s-maj=18.1km s-min=7.2km az=213.0

ISC 20 19:30:09.7-2.1, 8.04S-120.15E, h209km, 20km, mb3.7/5, s-min=3.8/7, mb1 3.8/7, mb1 3.8/7, Error ellipse: s-maj=35.7km s-min=9.9km az=53.0

DJA 20 19:30:11.7-1.0, 6.47S-119.48E, h33km, MD4.8/3, ML5.2/1, Error ellipse: s-maj=56.7km s-min=20.4km az=154.0

ISC 20 19:30:03.1-1.5, 7.95S-0.1, 120.01E-0.09, h162km, 16km, n21, c=193/37, mb4.1/4, 7C-2D, Flores Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like KEDI, KEDI, KEDI, etc.

WRA 20 19:30:03.1-1.5, 7.95S-0.1, 120.01E-0.09, h162km, 16km, n21, c=193/37, mb4.1/4, 7C-2D, Flores Sea

ISC 20 19:44:44.0-4.1, 30.16S-178.33W, mb3.9/3, mb1 4.1/3, s-min=62.1km az=161.0, Kermadec Islands

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

DLHM 20 19:47:20.5-1.5, 12.32N-44.77E, h2km, 39km, MD3.6, ML3.4, 3D, Western Arabian Peninsula

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like TRBA, TRBA, TRBA, etc.

ISC 20 20:01:47.9-2.0, 3.83S-177.97E, mb3.9/6, mb1 4.2/6, s-min=22.8km az=139.0, Gilbert Islands region

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



081/23, mb4.1/18, Bougainville - Solomon Islands region

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

IDC 20 21:16:36.61, 0.42, 71N:84.13E, mb3.6/6, mb1 3/7/10, mb1mx3.7/20, ML3.3/4, Error ellipse: s-maj=39.1km s-min=11.6km az=65.0

MOS 20 21:16:39.1, 0.8, 42.71N:83.90E, h33km, mb4.0/1, Error ellipse: s-maj=55.2km s-min=11.4km az=107.9

BUI 20 21:16:39.4, 1.5, 42.69N:83.91E, h50km, ML3.9, Error ellipse: s-maj=25.3km s-min=11.2km az=50.0

NEIC 20 21:16:43.0, 1.5, 42.75N:83.80E, h51km, 14km, Error ellipse: s-maj=25.3km s-min=11.2km az=50.0

NNC 20 21:16:49.1, 2.9, 43.69N:83.71E, mpv3.1, Error ellipse: s-maj=39.1km s-min=22.0km az=75.0

ISC 20 21:16:39.3, 2.1, 42.68N:0.07, 83.48E, 0.08, h15km, 13km, n22, i=568/32, mb3.4/6, 3C-3D, Northern Xinjiang

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

MOS 20 21:41:31.0, 0.8, 32.97N:39.23W, h10km, mb5.6/49, MS4.7/29, Error ellipse: s-maj=6.8km s-min=5.3km az=136.6

IDC 20 21:41:31.0, 0.5, 32.92N:39.32W, mb4.7/23, mb1 4.9/23, mb1mx4.9/23, MS4.8/20, Ms1 4.8/20, ms1mx4.8/20, Error ellipse: s-maj=15.7km s-min=12.0km az=134.0

HRVD 20 21:41:32.7, 0.2, 33.06N:39.34W, h12km, MW5.3/73, Centroid moment Tensor Solution. LP body waves:

2004 APR

s38, c48, Mantle waves: s73 c142; Half duration: 1st1 Moment tensor: Scale 1071Nm; Mw=0.39t; Mw=0.77z; Mw=0.04t; Mw=0.49t; Mw=0.20t; Mw=0.20t; Best double couple: Mw=1.5x1017 NP1: 0.218°, 840°, 1.96°. NP2: 30°, 850°, 1.85°. Principal axes: T1=18, P1g84°, Azm265°; N=-06, P1g4°, Azm33°; P=1.12, P1g5°, Azm124°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. BUI 20 21:41:32.7, 0.3, 33.00N:39.30W, h10km, mb5.6, mb5.4, Ms5.2, Ms2.0

NEIC 20 21:41:32.7, 0.1, 32.96N:39.29W, h10km, mb5.2/144, MS5.1/73, Error ellipse: s-maj=4.1km s-min=1.5km az=176.0

ISC 20 21:41:31.0, 0.2, 32.96N:0.04, 39.30W, 0.02, h10km, (h15km, 5km, p-P), n550, c0862/547, mb5.2/190, MS4.9/116, 20C-20D, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h m s, ISC. Includes stations like El Hierro, La Gomera, San Juan, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h m s, ISC. Includes stations like Saint Martin, La Foliniere, Blacksburg, etc.

Table with columns for call sign, name, frequency, power, and status. Includes entries like MCGN Macugnaga, WCI Wyandotte Cave, FIN Blooming, etc.

Table with columns for call sign, name, frequency, power, and status. Includes entries like CLL Colim, KBA Koelnbreinsper, PTCC Patocco-Chiusa, etc.

Table with columns for call sign, name, frequency, power, and status. Includes entries like KSU1 Kansas State U, OJC Ojcow, PKS6 Piszkesteto, etc.

Table with columns: Station, Frequency, Power, Class, and other technical details. Includes stations like PDAR, MNTX, LKWW, YMR, KSWY, etc.

Table with columns: Station, Frequency, Power, Class, and other technical details. Includes stations like INK, GZT, WWOR, WFOR, LDFC, etc.

Table with columns: Station, Frequency, Power, Class, and other technical details. Includes stations like MIB, BLJS, RSO, UMR, RDF, etc.









WVT	Waverly	39.77 289 eP	P	01 28 15.8 0.0
WVT		comp=Z,19nm,1.1s,mb4.7	LR	LR
VALM	Bormio	39.79 59 P	P	01 28 14.9 -0.9
BRMO	Bormio	39.89 55 eP	P	01 28 17.9 +1.2
SARO	Sassorosso	39.90 59 P	P	01 28 16.0 -0.7
MAIM		39.97 59 P	P	01 28 15.5 -1.8
SAL	Salo	39.98 57 eP	P	01 28 18.5 +1.1
GSCL	Gusciola	40.03 59 P	P	01 28 18.6 +0.8
PLAL	Pickwick Lake	40.18 287 eP	P	01 28 19.9 +0.8
PLAL		comp=Z,31nm,1.1s,mb5.0	LR	LR
ZCCA	Zocca	40.31 59 P	P	01 28 21.2 +1.1
GRFL	Gerfalco	40.35 60 P	P	01 28 24.3 +3.9
MOTA	Moosalm	40.42 54 i/P	P	01 28 21.2 +0.2
SQTA	Sankt Quirin	40.49 54 i/P	P	01 28 22.1 +0.6
MUD	Monsted Ugrnd	40.56 40 i/P	P	01 28 23.3 +1.2
MUD	Monsted Ugrnd	40.56 40 eP	P	01 28 23.3 +1.2
MUD		comp=Z,13nm,1.1s,mb4.5	pmax	pmax
MUD	Monsted Ugrnd	40.56 40 eP	P	01 28 23.3 +1.2
SIUC	Southern Illin	40.61 291 eP	P	01 28 23.2 +0.6
GRA1	Grafenberg Arr	40.65 50 P	P	01 28 22.8 0.0
GRA1		comp=Z,20nm,1.1s,mb4.7	LR	LR
GRA1	Grafenberg Arr	40.65 50 P	P	01 28 22.8 0.0
GRF		comp=Z,30nm,21.8s,MS4.1	LR	LR
GRF		comp=Z,20nm,1.1s,mb4.7	pmax	pmax
VMG	Walderalm	40.74 59 P	P	01 28 23.3 -0.2
WATA	Walderalm	40.74 54 i/P	P	01 28 24.0 +0.4
CTI	Castel Tesino	40.77 56 eP	P	01 28 24.0 +0.2
WTTA	Wattenberg	40.78 54 i/P	P	01 28 24.7 +0.8
JFWS	Jewell Farm	40.84 299 PFAKE	LR	LR
JFWS		comp=Z,21nm,20.0s,MS4.9	LR	LR
PGD	Poggio Sodo	40.86 59 eP	P	01 28 28.9 +4.2
SFI	Santa Sofia	40.95 59 P	P	01 28 26.7 +1.3
MOX	Moxa	40.98 49 i/P	P	01 28 26.2 +0.6
MOX		comp=Z,logA/T=1.0,mb4.4	L	L
MOX	Moxa	40.98 49 eP	P	01 28 26.2 +0.6
MOX		comp=Z,19nm,1.8s,mb4.4	pmax	pmax
MOX		comp=Z,400nm,19.0s,MS4.3	MLR	MLR
MOX	Moxa	40.98 49 eP	P	01 28 26.2 +0.6
MOX		comp=Z,19nm,1.8s,mb4.4	LR	LR
TIC	Toumudi	41.21 122 eP	P	01 28 27.8 0.0
DBIC	Dimbokro	41.31 122 eP	P	01 28 27.3 -1.3
DBIC		comp=Z,6.1nm,0.9s,mb4.2	LR	LR
OXF	Oxford	41.35 286 eP	P	01 28 29.2 +0.5
OXF		comp=Z,75nm,1.1s,mb5.2	LR	LR
NKC	Novy Kostel	41.48 50 eP	P	01 28 30.5 +0.9
LIC	Lamto	41.50 122 eP	P	01 28 30.2 +0.1
LIC		comp=Z,86nm,1.0s,mb5.3	P	P
LIC	Lamto	41.50 122 eP	P	01 28 29.9 -0.2
LIC		comp=Z,63nm,1.0s,mb4.9	eR	eR
FVM	French Village	41.51 289 eP	P	01 28 29.9 -0.1
GNAR	Gesnell	41.54 282 eP	P	01 28 31.0 +0.7
JVIC	Jorn Avoltri	41.56 55 eP	P	01 28 31.1 +0.8
JVIC	Jan Mayen	41.57 15 AMS	AMS	AMS
JVIC		comp=Z,485nm,14.5s,MS4.5	AMS	AMS
ASS	Assisi	41.58 60 eP	P	01 28 31.1 +0.5
KIC	Kosan Boka	41.61 122 eP	P	01 28 30.4 -0.7
MNS	Montasola	41.65 61 eP	P	01 28 35.8 +4.7
KONO	Kongsberg	41.67 35 eS	SS	SS
KONO		comp=Z,38nm,0.9s,mb5.0	eSS	eSS
KONO		comp=Z,154nm,17.2s,MS3.9	AMS	AMS
ARV	Arcevia	41.76 60 eP	P	01 28 31.1 -0.9
SNTG	Esanatoglia	41.78 60 eP	P	01 28 31.7 -0.4
CLL	Collim	41.92 48 eP	P	01 28 32.5 -0.7
CLL		comp=Z,logA/T=0.8,mb4.2	i	i
CLL		comp=Z,14nm,1.1s,mb4.5	e	e
CLL	Collim	41.92 48 eP	P	01 28 32.5 -0.7
CLL		comp=Z,14nm,1.1s,mb4.5	pmax	pmax
CLL	Collim	41.92 48 eP	P	01 28 32.5 -0.7
CLL		comp=Z,14nm,1.1s,mb4.5	LR	LR
KBA	Koelnbreinsper	41.95 54 i/P	P	01 28 33.4 0.0
PTCC	Patocco-Chiusa	41.95 55 eP	P	01 28 33.1 -0.4
KHC	Kasperske Hory	42.15 51 eP	P	01 28 34.5 -0.6
KHC		comp=Z,31nm,1.2s,mb5.1	pP	pP
KHC		comp=Z,28nm,1.1s,mb4.9	x	x
COP	Copenhagen	42.18 41 i/P	P	01 28 40.7 +5.4
COP		comp=Z,14nm,0.7s,mb4.7	P	P
COP	Copenhagen	42.18 41 i/P	P	01 28 40.7 +5.4
COP		comp=Z,14nm,0.7s,mb4.7	pmax	pmax
AQU	L'Aquila	42.19 61 eP	P	01 28 35.3 -0.2
GERES	GERESS Array B	42.22 52 P	P	01 28 35.5 -0.2
GERES		comp=Z,4.0nm,0.8s,mb4.1,baz=259,slow=8.3,SNR=30	P	P
GERES	GERESS Array B	42.22 52 P	P	01 28 35.4 -0.3
CADS	Cadr	42.22 56 i/P	P	01 28 35.3 -0.4
VOY	Vojsko	42.33 56 eP	P	01 28 36.5 -0.5
BRG	Berggiesshubel	42.48 49 e	P	01 28 37.9 +0.1
BRG		comp=Z,31nm,1.2s,mb5.1	pP	pP
BRG		comp=Z,28nm,1.1s,mb4.9	eS	eS
BRG		comp=Z,8.0nm,1.2s,mb4.2	pmax	pmax
BRG		comp=Z,8.0nm,1.2s,mb4.2	MLR	MLR
BRG		comp=Z,220nm,15.1s,MS4.5	MLR	MLR
BRG		comp=Z,390nm,15.1s,MS4.5	MLR	MLR
BRG		comp=Z,570nm,15.1s,MS4.6	MLR	MLR
BRG	Berggiesshubel	42.48 49 eP	P	01 28 37.9 +0.1
BRG		comp=Z,8.0nm,1.2s,mb4.2	e	e
BRG		comp=Z,14nm,0.7s,mb4.7	eS	eS
BRG		comp=Z,14nm,0.7s,mb4.7	LR	LR
MOA	Molin	42.57 53 i/P	P	01 28 38.1 -0.5
NOA01	NORSAR Array S	42.64 34 P	P	01 28 38.0 -1.0
LJU	Ljubljana	42.77 56 i/P	P	01 28 40.3 0.0
LJU		comp=Z,11nm,0.9s,mb4.6	pP	pP
OBKA	Obir	42.78 55 i/P	P	01 28 39.9 -0.4
PRU	Pruhonice	42.81 50 eP	P	01 28 40.9 +0.4
PRU		comp=Z,29nm,1.1s,mb4.9	pmax	pmax
PRU	Pruhonice	42.81 50 eP	P	01 28 40.9 +0.4
PVCC	Panska Ves	42.85 49 eP	P	01 28 41.4 +0.6
NB2	NORSAR Subarra	42.85 34 P	P	01 28 40.4 -0.3
NB2		comp=Z,0.8nm,0.8s,mb5.3,baz=253,slow=8.6	P	P
NB2		comp=Z,2.8nm,0.9s,mb4.5,baz=253,slow=8.6	P	P
NOA	NORSAR Array B	42.85 34 P	P	01 28 40.7 0.0
NOA		comp=Z,8.1nm,0.9s,mb4.5,baz=254,slow=8.3,SNR=23	LR	LR
NOA		comp=Z,179nm,21.4s,MS3.9,baz=280,slow=31	P	P
NOA	NORSAR Array B	42.85 34 P	P	01 28 40.7 0.0
NOA		comp=Z,14nm,1.1s,mb4.9	LR	LR
ROSC	El Rosal	42.98 237 LR	LR	LR
ROSC		comp=Z,543nm,21.9s,MS4.4,baz=290,slow=34	LR	LR
VISS	Visnje	43.00 56 eP	P	01 28 42.0 -0.1
VISS		comp=Z,21nm,1.3s,mb5.0	pP	pP

ARSA	Arzberg	43.43 54 i/P	P	01 28 44.4 -1.2
BSD	Bornholm Skovb	43.49 43 i/P	P	01 28 44.9 -1.0
BSD	Bornholm Skovb	43.49 43 i/P	P	01 28 44.9 -1.0
BSD		comp=Z,16nm,0.9s,mb4.8	pmax	pmax
UALR	University of Upps	43.65 288 eP	P	01 28 47.5 0.0
UPC	Uppsala	43.77 49 eP	P	01 28 48.5 +0.2
SGO	Slignano	43.81 64 eP	P	01 28 49.6 +0.9
KSP	Ksiaz	43.96 49 eP	P	01 28 54.4 +4.6
KSP		comp=Z,700nm,30.0s,MS4.4	MLR	MLR
KSP	Ksiaz	43.96 49 eP	P	01 28 49.9 +0.1
KSP		comp=Z,18nm,1.1s,mb4.9	ePP	ePP
KSP		comp=Z,18nm,1.1s,mb4.9	eS	eS
KSP		comp=Z,900nm,18.0s,MS4.7	LR	LR
DPC	Dobruska-Polom	43.97 50 eP	P	01 28 49.6 -0.3
ZST	Bratislava	44.48 53 eP	P	01 28 58.2 +4.2
ULM	Lac du Bonnet	44.56 310 eP	P	01 28 54.4 -0.4
ULM		comp=Z,9.4nm,0.9s,mb4.6,baz=91,slow=7.8,SNR=13	LR	LR
ULM	Lac du Bonnet	44.56 310 eP	P	01 47 50.2
ULM		comp=Z,1.1m,18.2s,MS4.9,baz=68,slow=37	LR	LR
ULM	Lac du Bonnet	44.56 310 eP	P	01 28 53.9 -0.9
ULM		comp=Z,24nm,1.1s,mb4.9	LR	LR
MIAR	Mount Ida	44.69 288 eP	P	01 28 56.4 +0.4
MIAR		comp=Z,45nm,1.4s,mb5.1	LR	LR
MORC	Moravsky Berou	44.74 50 eP	P	01 28 55.2 -1.0
DAG	Danmarks Havn	44.93 7 i/P	P	01 28 57.8 +0.5
DAG		comp=Z,10.0nm,1.0s,mb4.6	pmax	pmax
DAG	Danmarks Havn	44.93 7 i/P	P	01 28 57.8 +0.5
DAG		comp=Z,10.0nm,1.0s,mb4.6	pmax	pmax
OKC	Ostrava-Krasne	45.14 50 eP	P	01 28 58.5 -0.8
RHK1	Bakonya	45.24 56 i/P	P	01 28 59.6 -0.6
SRO	Srobarova	45.30 53 eP	P	01 29 05.0 +4.4
VYHS	Vytne	45.62 52 eP	P	01 29 02.0 -0.7
VYHS		comp=Z,2.1m,19.0s,MS5.1	eS	eS
VYHS		comp=Z,2.1m,19.0s,MS5.1	e	e
VYHS		comp=Z,2.1m,19.0s,MS5.1	e	e
OJC	Ojcow	46.20 50 eP	P	01 29 07.6 -0.1
OJC		comp=Z,400nm,16.6s,MS4.5	eS	eS
OJC		comp=Z,400nm,16.6s,MS4.5	MLR	MLR
PSZ	Piszkesteto	46.36 53 i/P	P	01 29 08.4 -0.6
NIE	Niedzica	46.56 51 eP	P	01 29 11.2 +0.7
NVSS	Nova Varos 2	46.66 29 eP	P	01 29 12.3 +0.9
CRVS	Cervenica-Dubn	47.32 52 eP	P	01 29 16.1 -0.6
CRVS		comp=Z,10.0nm,1.0s,mb4.6	e	e
CRVS		comp=Z,10.0nm,1.0s,mb4.6	e	e
CRVS		comp=Z,10.0nm,1.0s,mb4.6	e	e
HKT	Hockley	47.82 282 PFAKE	LR	LR
HKT		comp=Z,432nm,20.0s,MS4.4	LR	LR
KWP	Kalwaria	48.10 50 eP	P	01 29 26.3 +3.6
KWP		comp=Z,300nm,26.2s,MS4.2	MLR	MLR
KWP	Kalwaria	48.10 50 eP	P	01 29 23.0 +0.3
KWP		comp=Z,41nm,1.4s,mb5.3	P	P
SUW	Suwalki	48.22 45 eP	P	01 29 22.6 -1.0
SUW		comp=Z,500nm,22.6s,MS4.4	MLR	MLR
BOLS	Boljevac	48.23 58 i/P	P	01 29 24.1 +0.3
CBKS	Cedar Bluff	48.54 295 PFAKE	LR	LR
CBKS		comp=Z,1.1m,20.0s,MS4.8	LR	LR
TRO	Tromso	48.54 23 eSS	SS	SS
TRO		comp=Z,129nm,21.0s,MS3.9	AMS	AMS
WMOK	Wichita Mountain	48.79 289 eP	P	01 29 27.7 -0.5
WMOK		comp=Z,36nm,1.1s,mb5.3	LR	LR
LVV	L'vov	48.94 50 eP	P	01 29 24.9 -4.3
LVV		comp=Z,124nm,17.0s,MS4.0	MLR	MLR
BDFB	Brdy	49.03 191 P	P	01 29 30.6 +0.3
BDFB		comp=Z,277nm,0.8s,mb5.3,baz=15,slow=8.3,SNR=30	LR	LR
OTAV	Otavalo	49.13 237 eP	P	01 29 31.5 +0.3
OTAV		comp=Z,18nm,1.0s,mb5.0	P	P
VTS	Vitosh	49.34 60 eP	P	01 29 32.5 +0.1
KKB	Krupnik	49.38 61 eP	P	01 29 33.5 +0.8
RES	Resolute Bay	49.60 343 eP	P	01 29 33.8 -0.1
MMB	Musometisi	49.91 61 i/P	P	01 29 38.0 +1.2
FINES	FINESS Array B	49.98 35 P	P	01 29 36.5 -0.5
FINES		comp=Z,7.1nm,0.8s,mb4.7,baz=243,slow=4.3,SNR=16	LR	LR
FINES		comp=Z,136nm,18.4s,MS4.0,baz=274,slow=39	LR	LR
FINES	FINESS Array B	49.98 35 P	P	01 29 36.5 -0.5
PGB	Panagyurishte	50.04 60 eP	P	01 29 38.0 +0.2
KAF	Kangasniemi	50.13 34 eP	P	01 29 36.0 -2.2
KAF		comp=Z,12nm,0.8s,mb5.0,baz=7.4	P	P
KAF	Kangasniemi	50.13 34 eP	P	01 29 36.0 -2.2
KAF		comp=Z,12nm,0.8s,mb5.0,baz=7.4	pmax	pmax
BJO	Bjornoya	50.24 17 AMS	AMS	AMS
BJO		comp=Z,12nm,0.8s,mb5.0	AMS	AMS
RZN	Rozhen	50.62 61 P	P	01 29 47.5 +5.4
KBS	Kingsbay	50.74 11 eS	S	01 37 01.1 +4.5
KBS		comp=Z,282nm,18.1s,MS4.3	AMS	AMS
ARCES	ARCES Array B	50.76 24 P	P	01 29 41.7 -1.1
ARCES		comp=Z,3.1nm,0.8s,mb4.3,baz=252,slow=7.7,SNR=6.8	P	P
ARCES	ARCES Array B	50.76 24 P	P	01 29 41.7 -1.1
ARCES		comp=Z,176nm,18.2s,MS4.1,baz=121,slow=31	LR	LR
MJR	Muntele Rosu	50.78 56 i/P	P	01 29 43.4 +0.1
CLT	Junction City	50.90 284 eP	P	01 29 44.0 -0.4
JCT		comp=Z,40nm,1.0s,mb5.3	LR	LR
MNK	Minsk	50.93 44 eP	P	01 29 42.0 -2.4
KDZ	Krdzhali	51.14 60 eP	P	01 29 50.0 +3.9
VRI	Vrincioara	51.25 55 i/P	P	01 29 50.8 +3.9
KIS	Kishinev	52.48 53 eP	P	01 29 53.0 -3.2
KIS		comp=Z,50nm,1.3s,mb5.2	pP	pP
JOF	Joensuu	52.48 33 eP	P	01 29 53.2 -2.6
ISCO	Idaho Springs	52.74 298 eP	P	01 29 58.4 +0.2
ISCO		comp=Z,48nm,1.7s,mb5.2	LR	LR
SDCO	Great Sand Dun	53.20 295 eP	P	01 30 02.3 +0.7
SDCO		comp=Z,18nm,1.1s,mb4.9	LR	LR
TXAR	Lajitas Array	54.4 285 P	P	01 30 10.3





Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like TATS, OJC, NIEDZICA, NEW, etc.

CRSC 21 03:14:55.0-0.9,55.08N-162.76E, h40km, 12km, ML3.8, Near east coast of Kamchatka Peninsula

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

NIED 21 03:16:00, 31.60N, 131.90E, h26km, Mw4.1 Best double couple: M1.63x10^15 NP1=30, delta=65, lambda=100, NP2=198, delta=77, lambda=70

IDC 21 03:16:50.6-1.6, 31.25N, 131.46E, mb3.74, mb1 3.8/5, mb1mx3.8/20, ML3.31, Error ellipse: s-maj=39.5km s-min=17.4km az=84.0

JMA 21 03:16:56.4-0.1, 31.56N, 131.85E, h26km, 1km, M3.9 Broadband fault plane solution: P waves, NP1=306, delta=88, lambda=169, NP2=206, delta=88, lambda=82, Principal axes: T P1g43, Azm288; N P1g8, Azm26; P P1g46, Azm124

ISC 21 03:16:55.0-1.0, 31.56N, 131.94E, 0.07, h26km, n14, 0.956/20, mb3.6/4, 6C-2D, Kyushu

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like JNAR, JNAR, JTSN, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like JUNU, JOW, JOW, etc.

MOS 21 03:20:53.6-1.9, 31.73N, 131.43E, h33km, Mw5.1/19, M5.1/16, Error ellipse: s-maj=15.6km s-min=7.4km az=112.9

JMA 21 03:20:53.1-0.1, 31.56N, 131.84E, h25km, 1km, M5.0 Broadband fault plane solution: P waves, NP1=317, delta=12, lambda=166, NP2=213, delta=87, lambda=78, Principal axes: T P1g47, Azm292; N P1g12, Azm33; P P1g47, Azm162

JMA 21 03:20:53.8-0.4, 31.64N, 131.58E, h29km, 2km, mb4.4/24, mb1 4.5/28, mb1mx4.5/30, ML3.9/4, MS4.6/17, Ms1 4.7/17, ms1mx4.3/34 Error ellipse: s-maj=13.0km s-min=7.8km az=79.0

HRVD 21 03:20:54.2-0.3, 31.59N, 131.95E, h34km, Mw5.1/61, Centroid moment tensor solution. LP body waves: a0,c0/Mantle waves: s61,c104; Half duration: 0 Moment tensor: Scale 10^16Nm; Mw:5.19;2.3; Mw:0.14; 15; Mw:5.04; 17; Mw:1.67; 19; Mw:1.87; 11; Mw:2.90; 17; Best double couple: M:6.38x10^16 NP1: 21, 17, P1g73; Azm311; N:42, P1g6; Azm202; P:6.59, P1g18, Azm107; nsta1 refers to surface waves. cutoff=50s

NEIC 21 03:20:54.2-0.2, 31.61N, 131.48E, mb4.9/30, MS4.8/4 Error ellipse: s-maj=7.1km s-min=6.1km az=99.0

NEIC Recorded (3 JMA) in Miyazaki; [2 JMA] in Kagoshima, Kumamoto and Oita; [1 JMA] in Fukuoka and Saga Prefectures.

NIED 21 03:21:00, 31.50N, 131.90E, h29km, Mw5.1 Best double couple: M:5.22x10^16 NP1=22, delta=63, lambda=93, NP2=195, delta=82, lambda=84

ISC 21 03:20:52.9-0.3, 31.53N, 131.77E, 0.03, h43km, 2km, Mw5.1, 1.1km, p-P, M230, s=12/229, mb4.8/63, MS5.0/41, 90C-10D, Kyushu

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like JNAR, JNAR, JTSN, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like JUNU, JNU, JNU, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like JGM, JAG, JGN, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like JHJ, JHJ, JOD, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like CM31, CMAR, CMAR, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like CMAR, CMAR, CMAR, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like GKN, GOR, GOR, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KOLN, KOLN, KURK, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like BRVK, BRVK, BRVK, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ZRNK, ZRNK, ZRNK, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like WRAB, WRAB, WRAB, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like PAA, PAA, PAA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ARU, ARU, ARU, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like IMA, IMA, IMA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like IMA, IMA, IMA, etc.





21d 5h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ARCES ARCES Array B, GERES GERES Array B, NB2 NORSAR Subarra, etc.

IDC 21 03:51:25.1.8, 24.74S, 70.96E, mb3.9/7, mb1 4.1/7, mb1mx3.9/15, MS4.0/2, Ms1 4.1/2, ms1mx3.5/20, Error ellipse: s-maj=53.9km s-min=29.1km az=79.0

ISC 21 03:51:24.9, 1.6, 24.8S, 0.2-71.0E, 0.3, h10km, n8, c059/7, mb3.9/7, MS4.0/2, Mid-Indian Ridge

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, FITZ Fitzroy Crossi, ASAR Alice Springs, etc.

IDC 21 03:54:38.0.2.5, 40.56N, 77.90E, mb3.2/2, mb1 3.6/4, mb1mx3.4/19, ML3.5/2, Error ellipse: s-maj=39.8km s-min=29.0km az=127.0

BUI 21 03:54:40.6, 40.80N, 77.64E, h14km, ML3.8 NNC 21 03:54:43.9, 4.7, 41.01N, 77.56E, mpv3.6, Error ellipse: s-maj=53.7km s-min=17.9km az=165.0

ISC 21 03:54:37.8, 1.1, 40.50N, 0.08, 77.99E, 0.10, h14km, n20, c1507/23, mb3.2/2, 4C-2D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like KSH Kashi, ULHL Ulahol, KZA Kyzart, etc.

IDC 21 03:57:07.2.5.8, 2.63S, 148.15E, mb3.8/4, mb1 4.0/4, mb1mx3.7/13, MS3.7/2, Ms1 3.7/2, ms1mx3.1/22, Error ellipse: s-maj=175.0km s-min=31.2km az=100.0

Admiralty Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like CTA Charters Tower, WRA Warramunga Arr, AS12 Alice Springs, etc.

IDC 21 03:57:51.1.5.6, 25.26S, 70.00E, mb3.7/5, mb1 3.9/5, mb1mx3.7/15, Error ellipse: s-maj=152.0km s-min=36.5km az=55.0

ISC 21 03:57:51.3.5.1, 25.25S, 0.6, 70.1E, 0.9, h10km, n5, c0930/5, mb3.8/5, Mid-Indian Ridge

2004 APR

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, FITZ Fitzroy Crossi, ASAR Alice Springs, etc.

IDC 21 04:11:04.4, 2.2, 27.78N, 56.82E, mb3.8/6, mb1 4.0/6, mb1mx3.7/17, Error ellipse: s-maj=55.2km s-min=37.4km az=51.0

NEIC 21 04:11:09.6, 1.7, 27.66N, 56.39E, h45km, Error ellipse: s-maj=39.9km s-min=24.0km az=205.0

KJSR 21 04:11:10.0, 0.8, 27.93N, 57.29E, h20km, 99gk, ML4.8 ISC 21 04:11:10.5, 0.9, 28.1N, 0.1, 57.12E, 0.05, h33km, n17, c134/21, mb3.7/6, Southern Iran

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like QRN Al-Qurain, KBD Kabd, UMM Umm Al-Rimmam, etc.

MOS 21 04:19:22.5, 1.5, 56.51N, 117.31E, h5km, mb4.0/1, Error ellipse: s-maj=28.4km s-min=18.7km az=71.9

BYKL 21 04:19:23.0, 0.5, 56.53N, 117.27E, h16km, 22km, 4C-2D, East of Lake Baykal

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like CRS Chara, NLYR Nelyaty, SVKR Severomysk, etc.

IDC 21 04:25:48.5, 4.4, 3.00S, 146.36E, mb3.8/4, mb1 4.0/4, mb1mx3.7/13, Error ellipse: s-maj=125.0km s-min=34.1km az=98.0

ISC 21 04:25:52.1, 4.8, 3.05S, 0.2, 146.3E, 1.0, h33km, n5, c0539/5, mb3.6/3, Bismarck Sea

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

IDC 21 05:05:26.6, 1.1, 3.08S, 146.99E, mb3.8/7, mb1 4.1/7, mb1mx4.0/13, MS3.5/1, Ms1 3.5/1, ms1mx2.8/18, Error ellipse: s-maj=56.5km s-min=21.5km az=122.0

ISC 21 05:05:30.3, 0.9, 3.15S, 0.2, 146.9E, 0.3, h33km, n10, c074/9, mb3.7/6, MS3.4/1, Bismarck Sea

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like YLYR YLYR, NIZ Nizh Angarsk, WRA Warramunga Arr, etc.

IDC 21 04:25:48.5, 4.4, 3.00S, 146.36E, mb3.8/4, mb1 4.0/4, mb1mx3.7/13, Error ellipse: s-maj=125.0km s-min=34.1km az=98.0

ISC 21 04:25:52.1, 4.8, 3.05S, 0.2, 146.3E, 1.0, h33km, n5, c0539/5, mb3.6/3, Bismarck Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like WB2 Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 21 05:05:26.6, 1.1, 3.08S, 146.99E, mb3.8/7, mb1 4.1/7, mb1mx4.0/13, MS3.5/1, Ms1 3.5/1, ms1mx2.8/18, Error ellipse: s-maj=56.5km s-min=21.5km az=122.0

ISC 21 05:05:30.3, 0.9, 3.15S, 0.2, 146.9E, 0.3, h33km, n10, c074/9, mb3.7/6, MS3.4/1, Bismarck Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like WB2 Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 21 05:07:15.9, 1.9, 3.11S, 147.88E, mb3.9/4, mb1 4.2/4, mb1mx3.8/13, MS3.5/4, Ms1 3.5/4, ms1mx3.2/18, Error ellipse: s-maj=119.0km s-min=30.4km az=126.0

ISC 21 05:07:19.6, 1.5, 3.15S, 0.5, 147.7E, 0.6, h33km, n9, c0592/6, mb3.7/4, MS3.6/3, Bismarck Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like PMG Port Moresby, WB2 Warramunga Arr, WRA Warramunga Arr, etc.

JMA 21 05:09:15.7, 0.4, 44.10N, 148.09E, M4.3, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like NIEM2 Nemuro 2, JRA Rausu, JAK Akkeshi, etc.







0.5nm,0.4s,mb3.7,baz=314,slow=8.8,SNR=11

HEL 21 10:37:36.8-0.3,54.45N-20.05E,ML2.8,ML2.6(UPP), Explosion
DAO 21 10:37:38.2-4.9,54.70N-19.33E,ML3.2
NIC 21 10:37:51.0-2.6,55.25N-19.37E,mb1 3.5/4, mb1mx3.3/18,ML3.3/4, Error ellipse: s-maj=23.8km s-min=15.5km az=179.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MEF, HFS, FINESS, NOA, ARCES, ARAO, etc.

IOC 21 10:37:47.5-2.5,55.46N-19.35E,mb1 3.4/4, mb1mx3.2/18,ML3.3/4, Error ellipse: s-maj=22.9km s-min=14.3km az=2.0, Baltic Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HFS, FINESS, NOA, ARCES, ARAO, etc.

IOC 21 10:38:01.5-2.7,55.47N-19.29E,mb1 3.4/4, mb1mx3.2/18,ML3.4/4, Error ellipse: s-maj=24.6km s-min=15.0km az=4.0, Baltic Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HFS, FINESS, NOA, ARCES, ARAO, etc.

IOC 21 10:38:14.8-2.8,55.19N-19.68E,mb1 3.5/4, mb1mx3.3/18,ML3.3/4, Error ellipse: s-maj=24.5km s-min=15.3km az=4.0, Baltic Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HFS, FINESS, NOA, ARCES, ARAO, etc.

IOC 21 10:38:26.8-2.8,55.25N-19.36E,mb1 3.5/4, mb1mx3.3/18,ML3.5/4, Error ellipse: s-maj=27.2km s-min=18.6km az=3.0, Baltic Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HFS, FINESS, NOA, ARCES, ARAO, etc.

0.5nm,0.3s,baz=211,slow=24,SNR=2.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NOA, ARCES, HFS, FINESS, etc.

IOC 21 10:38:35.9-3.4,55.24N-19.41E,mb1 3.4/4, mb1mx3.2/18,ML3.4/4, Error ellipse: s-maj=34.4km s-min=21.0km az=176.0, Baltic Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HFS, FINESS, NOA, ARCES, etc.

THE 21 10:38:36.9,38.48N-21.57E,h10km,ML3.7
ATH 21 10:38:36.2,38.45N-21.47E,h14km,MD3.7/16,ML3.7

NEIC 21 10:38:36.2,38.45N-21.47E,h14km,MD3.7(ATH), After ATH

IOC 21 10:38:38.1-2.2,38.28N-20.93E,h50km,24km,mb3.7/8, mb1 3.8/12,mb1mx3.6/23,ML4.2/4,MS3.3/2,Ms1 3.3/2, ms1mx2.5/31, Error ellipse: s-maj=30.0km s-min=14.1km az=47.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like EVR, LKD, VLS, AGG, ITM, JAN, MEV, IGT, etc.

IOC 21 10:38:35.1-0.6,38.43N-20.02-21.55E,0.03,h5km,4km, n65,+1297H,mb3.8/8,MS4.1/1,2C-1D,Greece

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LIT, PTL, KFK, AOS, VLI, PAIG, FNA, etc.

IOC 21 10:38:35.1-0.6,38.43N-20.02-21.55E,0.03,h5km,4km, n65,+1297H,mb3.8/8,MS4.1/1,2C-1D,Greece

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FNA, PLYG, KYTH, THY, BIA, BIA, BIA, etc.

IOC 21 10:38:35.1-0.6,38.43N-20.02-21.55E,0.03,h5km,4km, n65,+1297H,mb3.8/8,MS4.1/1,2C-1D,Greece

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TIR, TIR, GSH, SKO, YAM, SDA, etc.

MAN 21 10:46:40.1-9.60N-126.05E,h25km,mb4.3,ML3.2,MS2.9, 1D,Mindanao

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

PLP Palo 1.88 326 i Pn 10 40 09.4 -6.8

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

IOC 21 10:49:23.9-5.0,2.94S-147.03E,mb3.8/4,mb1 4.0/4, mb1mx3.8/13, Error ellipse: s-maj=148.0km s-min=33.9km az=100.0, Admiralty Islands region

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

B/JJ 21 11:00:04.2,5.60S,149.53E,h134km,mb4.9
SVO 21 11:00:05.3,5.55S,149.68E,h140km,MB4.7

NEIC 21 11:00:05.0,6.0,5.5S,149.68E,h140km,5km,mb4.7/15, Error ellipse: s-maj=126.6km s-min=6.2km az=127.0

IOC 21 11:00:05.0,6.0,5.5S,149.53E,h143km,5km,mb4.0/13, mb1 4.3/15,mb1mx4.3/17, Error ellipse: s-maj=21.5km s-min=8.2km az=117.0

IOC 21 11:00:04.6,0.8,5.49S,0.07-149.60E,0.08,h145km,7km, h139km,3.3km,p-P,n52,+1901/54,mb4.4/24,3C-9D,New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KMBE, RAB, WAU, PMG, etc.

IOC 21 11:00:04.6,0.8,5.49S,0.07-149.60E,0.08,h145km,7km, h139km,3.3km,p-P,n52,+1901/54,mb4.4/24,3C-9D,New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AS12, ASAR, ASAR, ASAR, etc.

IOC 21 11:00:04.6,0.8,5.49S,0.07-149.60E,0.08,h145km,7km, h139km,3.3km,p-P,n52,+1901/54,mb4.4/24,3C-9D,New Britain region

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

IOC 21 11:00:04.6,0.8,5.49S,0.07-149.60E,0.08,h145km,7km, h139km,3.3km,p-P,n52,+1901/54,mb4.4/24,3C-9D,New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WMO, MKAR, MA2, SONM, etc.

IOC 21 11:00:04.6,0.8,5.49S,0.07-149.60E,0.08,h145km,7km, h139km,3.3km,p-P,n52,+1901/54,mb4.4/24,3C-9D,New Britain region

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

IOC 21 11:01:29.5-4.1,10.98N-83.59W,mb2.9/2,mb1 3.4/2, mb1mx3.3/15, Error ellipse: s-maj=127.0km s-min=80.7km az=11.0

NEIC 21 11:01:30.5,11.75N-81.65W,h34km,MD4.1(CASC), After CASC

CASC 21 11:01:31.1,11.73N-81.69W,h34km,999km,MD4.1

21d 12h

ISC 21 11:01:29.1±1.7, 12.0N±0.1, 81.8W±0.2, h33km, n15, s±105/19, mb2.8, Caribbean Sea

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Time, Res. Lists stations like Tortuguero, Volcan Irazu, Urasca, etc.

CASC 21 11:01:44.1±1.6, 13.36N, 90.94W, h18km, 8km, MD3.5, 1C-1D, Near coast of Guatemala

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Time, Res. Lists stations like Ixpaco, Cusmapa, El Retiro, etc.

NEIC 21 11:04:52.4±1.3, 21.18S, 174.39W, h10km, mb4.8/3, Error ellipse: s-maj=30.5km s-min=20.8km az=116.0

ISC 21 11:04:52.8±1.7, 20.74S, 174.71W, mb4.4/5, mb1 4/5, mb1 mx4.0/16, Error ellipse: s-maj=322.0km

s-min=1.39, 1km az=83.0

ISC 21 11:04:50.9±1.6, 21.2S±0.2, 174.4W±0.3, h10km, n12, s±105/19, mb4.6/7, 2D, Tonga Islands

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Time, Res. Lists stations like South Karori, Charters Tower, Stephens Creek, etc.

GUC 21 11:17:31.9±0.6, 31.43S, 69.50W, h150km, MD4.0, ML4.2

ISC 21 11:17:31.8±1.4, 31.44S, 69.58W, h159km, After GUC

ISC 21 11:17:32.1±0.8, 31.45S±0.03, 69.7W±0.2, h165km, 14km, n40, s±105/40, 5C-5D, San Juan Province

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Time, Res. Lists stations like Combarbala, Illapel, Petorca, etc.

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Table with columns: Code, Station Name, Δ° AZ, Phase ID, Time, Res. Lists stations like Las Melosas, Talagante, Talagante, etc.

OTT 21 11:22:22.9±1.6, 56.72N, 58.54W, h18km, ML2.8/7, LaibertaRADOR Sea Seismic Zone, 173km northeast from Ahilik, Ni, Labrador Sea

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Time, Res. Lists stations like Schefferville, Kuujuaa, Deer Lake, etc.

NAO 21 11:34:39.7±5.9, 59.28N, 9.86E, h10km, 28km, ML 1.9

BER 21 11:34:41.0±2.6, 59.31N, 9.90E, MD1.8, ML2.2, suspected explosion

ISC 21 11:34:37.0±0.9, 59.22N±0.07, 9.95E±0.07, n6, s±105/12, Southern Norway

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Time, Res. Lists stations like Kongsberg, Blasjo, Odda, etc.

BUI 21 11:43:31.3, 27.56N, 52.82E, h45km, mb4.4

ISC 21 11:43:31.4±0.9, 27.55N, 53.65E, mb4.2/18, mb1 4.4/21, mb1 mx4.3/25, ML3.7/2, Error ellipse: s-maj=28.3km s-min=14.7km az=27.0

KISR 21 11:43:31.3±0.8, 27.54N, 53.69E, h7km, 999km, ML4.0

MOS 21 11:43:34.3±0.9, 27.58N, 53.59E, h33km, mb3.9/3, Error ellipse: s-maj=27.3km s-min=14.1km az=84.9

NEIC 21 11:43:38.1±0.7, 27.71N, 53.64E, h45km, mb4.4/15, Error ellipse: s-maj=17.7km s-min=9.8km az=196.0

ISC 21 11:43:33.6±2.3, 27.68N±0.7, 53.68E±0.04, h20km, 17km, n7, s±105/72, mb4.2/30, 1C, Southern Iran

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Time, Res. Lists stations like Al-Qurain, Kabd, Al-Radifah, etc.

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Table with columns: Code, Station Name, Δ° AZ, Phase ID, Time, Res. Lists stations like KKAR, AB31, KRIS, etc.

BUI 21 12:02:04.8, 55.61N, 158.40W, h12km

NEIC 21 12:02:07.5±2.1, 55.15N, 158.36W, h13km, 15km, mb3.9/6, ML4.3(976), ML4.3(AEIC), Error ellipse: s-maj=7.9km s-min=2.6km az=154.0

ISC 21 12:02:09.3±3.3, 55.09N, 158.67W, h38km, 27km, mb3.8/16, mb1 4.1/20, mb1 mx4.1/23, ML4.3/4, MS3.5/5, Ms1 3.5/5, ms1 mx3.2/25, Error ellipse: s-maj=21.3km s-min=13.8km az=6.0

ISC 21 12:02:08.2±1.2, 55.26N±0.05, 158.32W±0.05, h33km, 9km, n99, s±122/103, mb4.0/20, MS3.5/3, 1C, Alaska Peninsula

Table with columns: Code, Station Name, Δ° AZ, Phase ID, Time, Res. Lists stations like NAGA, SDPT, SDN, etc.





21d 16h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ARCES ARCESS Array B, SONM Songoing Array, ILAR Eielson Array, YKA Yellowknife Arr.

IDC 21 14:45:14.4e1.3, 28.3N157.09E, mb3.9/11, mb1.4/11, mb1mx4.0/18, MS3.5/2, Ms1 3.5/2, ms1mx2.9/23, Error ellipse: s-maj=34.6km s-min=21.6km az=27.0

NEIC 21 14:45:22.0d.2, 48.29N-57.14E, h55km, mb4.6/17, Error ellipse: s-maj=14.3km s-min=4.7km az=17.0

ISC 21 14:45:18.1e0.5, 28.37N-108.57W, 0.04h33km, n51, 0.5875/54, mb4.3/28, MS3.5/2, Southern Linn

Main table of station data for the 21d 16h period, including stations like HASS Wahat al Ahsa', KBD Kabd, UMR Umm Al-Rimmam, RDF AI-Radifah, RST Umm Al-Ruwaisa, MZLS Mizel, AFPS Afif, KIVS Kislodovsk, DANN Dangsing, GKN Gorkha, DMN Daman, KKN Kakani, PKI Pulchoki, ZRNK Zerenda, BVAR Borovoye Array, BVAR Makanchi Array, OJC Ojoc, DPC Dobruska-Polom, GERES GERESS Array B, FINES FINESS Array B, KHC Kasperske Hory, CLL Collim, CLL Collim, BSD Bornholm Skovoy, DAVOX Davos, BVAR Sospes, SONM Songoing Array, MBDF Montbardon, LPG La Plagne, LPL La Plagne, CDF Champ du Feu, CABF La Chapelle, VIVF Saint-Julien-1, NOA NORSAR Array B, LASF Ste Croix, ARCES ARCESS Array B, SMF Signal de Mont, LOR Lormes, SBF Saint Saule, SGG Bois d'Agland, MTLF Montleju, CAF Toulx Ste Croi, TCF Calvia, LFF La Frestale, ETSF Etsaut, SJPF Ste Jean, WRA Warramunga Arr, YKA Yellowknife Arr, YKA Yellowknife Arr, ASAR Alice Springs.

IDC 21 15:14:07.6e5.6, 24.08S-178.75W, mb3.8/4, mb1 4.0/4, mb1mx3.8/13, Error ellipse: s-maj=220.0km s-min=38.8km az=151.0, South of Fiji Islands

Table of station data for the IDC 21 15:14:07.6e5.6 event, including stations like CTA Charters Tower, ASAR Alice Springs, WRA Warramunga Arr, ILAR Eielson Array.

IDC 21 15:17:36.5e38.0, 24.06S-177.54W, h400km, 125km, mb3.5/4, mb1 3.6/4, mb1mx3.3/14.1D, Error ellipse: s-maj=499.0km s-min=89.7km az=79.0, South of Fiji Islands

Table of station data for the IDC 21 15:17:36.5e38.0 event, including stations like CTA Charters Tower, CTX Charters Tower, STKA Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr.

IDC 21 15:34:41.0e3.7, 5.56S-104.26E, h43km, 31km, mb4.1/11, mb1 4.2/11, mb1mx4.1/16, MS3.5/2, Ms1 3.6/2, ms1mx2.8/21, Error ellipse: s-maj=66.8km s-min=11.7km az=50.0

NEIC 21 15:35:02.9e0.6, 4.60S-105.56E, h225km, mb4.2/6, Error ellipse: s-maj=31.6km s-min=9.4km az=52.0

ISC 21 15:34:36.5e4.4, 5.65S-102.10E, 0.3h28km, 30km, n29, 0.697/29, mb4.4/18, MS3.5/2, Southern Sumatera

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Main table of station data for the 2004 APR period, including stations like FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Tennant Creek, KAKA Kakadu, WRA Warramunga Arr, WRA Warramunga Arr, WRAB Warramunga Arr, AS12 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, DMN Daman, KKN Kakani, GKN Gorkha, KOLN Koldanda, CTA Charters Tower, CTA Charters Tower, STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, SONM Songoing Array, SONM Songoing Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, ZRNK Zerenda, WND Vanda, TIXI Tikisi, FINES FINESS Array B, SNA Sanae, ARCES ARCESS Array B, TXAR Lajitas Arr.

DJA 21 15:37:07.2e1.3, 8.33S-114.55E, h30km, 14km, MD5.0/3, ML4.4/2, 3C-2D, Error ellipse: s-maj=47.4km s-min=23.2km az=23.0, Bali region

Table of station data for the DJA 21 15:37:07.2e1.3 event, including stations like KEDI Kelakatan, RATI Rati, RATI Rati, KEDI Kedomdong, KEDI Kedomdong.

NIED 21 15:59:00.21.60N-120.50E, h98km, Mw4.2 Best double couple: M2.19x10^15 NP1.330°, 157°, 150°. NP2.207°, 050°, 134°

BUI 21 15:59:53.4, 21.85N-119.80E, h3km, mb4.4, mb4.7, ML3.8, Ms3.8, Ms3.7

NEIC 21 15:59:54.4e0.5, 21.51N-120.34E, mb4.7/1, Error ellipse: s-maj=13.7km s-min=11.5km az=84.0

IDC 21 15:59:54.0e0.6, 21.53N-120.32E, h2km, 3km, mb3.4/9, mb1 3.6/10, mb1mx3.6/18, ML3.0/1, MS3.2/1, Ms1 3.3/3, ms1mx2.9/17, Error ellipse: s-maj=23.9km s-min=13.0km az=70.0

TAP 21 15:59:54.2, 41.66N-120.15E, h59km, 1km, ML4.8 TAP Fell II at Kaoshing, II at Jiali.

JMA 21 15:59:58.0e2.2, 21.59N-120.51E, h97km, M3.9 ISC 21 15:59:53.9e0.4, 21.64N-120.02E, 105.03, h27km, h27km, 1.7km, pP, n93, 1f14/153, mb3.8/9, MS3.1/2, I-C20D, Taiwan region

Main table of station data for the 2004 APR period, including stations like HEN Hengchun, HEN Hengchun, TWK Hsioliuchui, TWK Hsioliuchui, SCZT Fangliu, SCZT Fangliu, KAU Kaoshing, KAU Kaoshing, EAST Anshuo, EAST Anshuo, TAW Tawu, TAW Tawu, SGLT Jiouru, SGLT Jiouru, SSD Sandimen, SSD Sandimen, TWM1 Shoushan, TWM1 Shoushan, ECL Taimali, ECL Taimali, TAI Yung-kang, TAI Yung-kang, LAY Lan-yu, LAY Lan-yu, SHIN Shinhua, SHIN Shinhua, TTN Taitung, TTN Taitung, TWG Pinlang, TWG Pinlang, TWG Pinlang, SGST Jiashian, SGST Jiashian, SCLT Jiali, SCLT Jiali, CHN1 Nanshi, CHN1 Nanshi, CHN1 Nanshi, STYT Tauyuan, STYT Tauyuan, WDT Dungi, WDT Dungi, TWK Hsiuying, TWK Hsiuying, WTP Ta-pu, WTP Ta-pu, CHN8 Yiju, CHN8 Yiju, CHN4 Tsauhsan, CHN4 Tsauhsan, ELDTW Lidau, ELDTW Lidau, CHY Chiayi, CHY Chiayi, CHY Chiayi, CHKT Chengkung, CHKT Chengkung, PNG Penghu, PNG Penghu, ALS Alishan, ALS Alishan, ALS Alishan, WSF Szu, WSF Szu.

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Main table of station data for the 490 period, including stations like WSF Tsauling, CHNS Yuli, WGF Gukung, WGF Hungye, WHTC Ta-ch'eng, WHTC Mingjian, WNT Sun Moon Lake, SMLT Yuchr, SMLT Shilin, WNT Taichung, WNT Hwalien, WNT Liyutan, WNT Tachien, WNT Chiawan, WNT Sanyi, WNT Nan Shan, WNT Nanjiao, WNT Kinmen, WNT ENA, WNT ENA, WNT Sanguang, WNT Suoud, WNT Neicheng, WNT Quanzhou, WNT Quanzhou, WNT Kuangyinsan, WNT Wu-fen Shan, WNT Santiao Chiao, WNT Chenhua, WNT Yonaguni jima, WNT Yonaguni jima, WNT Hateruma jima, WNT Callao Caves, WNT Iriote-Funau, WNT Iriote-Funau, WNT Pengchayiu, WNT Kuro-shima, WNT Ishigaki jima, WNT Tarama, WNT Miyako jima 2, WNT JOGS Gusuokube, WNT Guanzhou, WNT Guanzhou.

GCZ comp=N, 65nm, 0.8s S Sn

GCZ comp=E, 490nm, 0.5s S Sn

GCZ Wufengshan 3.66 19 eP Pn 16 00 49.6 -0.6 Pn 16 00 30.4 -2.6 Pn 16 00 51.9 +0.3 Pn 16 00 33.0 -2.5 Pn 16 00 52.1 +0.1 Pn 16 01 32.7 -3.6 Pn 16 01 35.5 -3.2 Pn 16 00 54.0 +0.4 Pn 16 01 36.6 -2.5 Pn 16 00 57.5 -0.4 Pn 16 01 41.8 -4.9 Pn 16 00 57.0 -1.6 Pn 16 01 39.0 -9.0 Pn 16 00 58.9 -0.5 Pn 16 01 46.0 -3.4 Pn 16 00 59.7 -0.7 Pn 16 01 40.8 -2.7 Pn 16 01 48.6 -4.6 Pn 16 01 02.8 -1.2 Pn 16 01 52.5 -0.9 Pn 16 01 50.9 -1.2 Pn 16 02 07.0 -5.0 Pn 16 02 22.1 -5.0 Pn 16 01 25.6 -3.3

GCZ comp=N, 65nm, 0.8s S Sn

GCZ Tagaytay City 7.54 174 LR LR 16 04 55.6

JOW Kunigami 9.05 54 Pn P 16 02 01.9 -4.6 Pn 16 03 01.4 -7.7 Pn 16 02 01.9 -4.6 Pn 16 03 01.4 -7.7 Pn 16 02 16.3 -2.0 Pn 16 02 18.0 -4.5 Pn 16 04 28.8 +0.3

CMAR Chiang Mai Arr 20.10 265 Pn P 16 04 28.8 +0.3

CMAR comp=E, 35nm, 20.1s, MS2.7, baz=70, slow=40 LR 16 01 23.47

SONM Songoing Array 28.36 340 Pn P 16 05 47.7 -0.1

SONM comp=E, 0.2nm, 0.7s, mb2.9, baz=153, slow=3.2, SNR=2.1 pP 16 05 56.9 +1.3

MKAR Makanchi Array 39.50 319 Pn P 16 07 24.2 +0.2

MKAR comp=E, 1.7nm, 0.7s, baz=117, slow=7.0, SNR=1.21 pP 16 07 36.8 +1.5

MKAR comp=E, 0.3nm, 0.7s, baz=104, slow=5.9, SNR=2.5 pP 16 09 31.1 -0.8

MKAR comp=E, 0.6nm, 0.9s, baz=90, slow=3.6, SNR=3.7 pP 16 09 42.8

MKAR comp=E, 0.6nm, 0.9s, baz=90, slow=3.6, SNR=3.7 pP 16 07 24.2 +0.2

MKAR comp=E, 1.6nm, 1.1s, mb4.7 e pP 16 07 36.8 +1.5

WRA Warramunga Arr 43.62 160 Pn P 16 07 55.1 -2.9

WRA comp=E, 0.8nm, 0.7s, mb3.6, baz=343, slow=8.9, SNR=11 pP 16 08 02.9 -3.1

WRA comp=E, 1.2nm, 0.5s, baz=343, slow=9.8, SNR=8.8 pP 16 09 43.7 -2.1

WRA comp=E, 1.1nm, 0.5s, baz=344, slow=3.5, SNR=13 pP 16 07 53.3 -4.7

AS12 Alice Springs 47.00 163 Pn P 16 08 30.1 +5.1

ASAR Alice Springs 47.00 163 Pn P 16 08 22.6 -2.4

ASAR comp=E, 0.4nm, 0.4s, mb3.7, baz=344, slow=6.8, SNR=13 pP 16 08 30.9 -2.1

ASAR comp=E, 2.0nm, 0.5s, baz=346, slow=7.0, SNR=21 pP 16 09 54.2 -3.2

ASAR comp=E, 1.0nm, 0.5s, baz=336, slow=3.0, SNR=9.2 pP 16 10 08.8

FORST comp=E, 0.5nm, 0.7s, baz=344, slow=3.9, SNR=3.8 pP 16 09 01.0 -7.4

FORST comp=E, 64nm, 0.7s pP 16 09 37.8 -2.5

STKA Stephens Creek 57.06 158 Pn P 16 11 27.9 0.0

ILAR Yellowknife Arr 71.94 27 sP 16 11 39.6 -0.1

ILAR comp=E, 0.6nm, 0.9s, mb4.2, baz=342, slow=7.4, SNR=7.0 sP 16 11 27.9 0.0

ILAR comp=E, 0.4nm, 0.6s, baz=291, slow=6.9, SNR=5.5 sP 16 11 39.6 -0.1

INK Inuvik 79.96 22 Pn P 16 11 39.6 -0.1

INK comp=E, 1.2nm, 1.1s, mb3.7, baz=320, slow=5.8, SNR=2.1 sP 16 11 51.9 +0.9

INK Inuvik 79.96 22 Pn P 16 11 39.6 -0.1

INK Inuvik 79.96 22 Pn P 16 11 39.6 -0.1

NOA NORSAR Array B 79.98 332 LR 16 10 51.9 +0.9

GERES GERESS Array B 84.15 320 Pn P 16 12 24.3 +0.4

GERES comp=E, 0.4nm, 0.7s, mb3.7, baz=45, slow=4.2, SNR=2.6 sP 16 12 38.7 +3.6

GERES comp=E, 0.3nm, 0.6s, baz=14, slow=4.0, SNR=2.2 sP 16 12 31.1 -0.1

YKA Yellowknife Arr 85.70 22 Pn P 16 12 44.0 +1.4

YKA comp=E, 1.0nm, 0.8s, baz=316, slow=4.8, SNR=1.2 pP 16 12 31.1 -0.1

YKA Yellowknife Arr 85.70 22 sP 16 12 44.0 +1.4

YKA comp=E, 1.0nm, 0.8s, baz=316, slow=4.8, SNR=1.2 sP 16 12 44.0 +1.4

ATH 21 16:16:36.7, 38.65N-21.34E, h24km, 2km, MD3.3/6

NEIC 21 16:16:36.8, 38.56N-21.40E, h25km, MD3.3(ATH), After ATH.

THE 21 16:16:37.8, 38.42N-21.54E, h10km, ML3.2

ISC 21 16:16:37.7e0.6, 38.43N-21.52E, 0.04h10km, n20, 0.1913/30, Greece





21d 18h

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

NEIC 21 17:53:27.7 ± 1.5, 30.50S ± 177.16W, h10km, Error ellipse: s-maj=33.2km s-min=18.2km az=101.0, IDC 21 17:53:35.0 ± 1.9, 30.67S ± 177.51W, h46km, 9km, mb4.2/5, mb1 4.3/7, mb1mx4.0/16, ML3.9/2, Error ellipse: s-maj=44.0km s-min=22.6km az=116.0, ISC 21 17:53:30.4 ± 4.0, 30.85S ± 177.2W, 0.7, h46km, n13, ±105/12, mb4.5, Kermadec Islands

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

KRSC 21 17:56:30.7 ± 1.5, 53.90N ± 161.51E, h34km, 5km, ML3.9, ISC 21 17:56:30.1 ± 0.8, 53.87N ± 161.57E, 0.8, h29km, 9km, n27, 0.08/52, Off east coast of Kamchatka Peninsula

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

2004 APR

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

MAN 21 18:11:13.8, 15.36N ± 119.77E, h29km, mb5.0, ML4.0, MS4.0

NEIC 21 18:11:17.9 ± 0.9, 15.25N ± 120.05E, h102km, 8km, mb4.1/1, Error ellipse: s-maj=15.8km s-min=6.6km az=57.0, IDC 21 18:11:18.8 ± 1.1, 15.26N ± 120.02E, h109km, 12km, mb3.7/13, mb1 3.8/14, mb1mx3.7/21, MS3.3/1, Ms1 3.5/1, ms1mx3.0/20, Error ellipse: s-maj=34.1km s-min=12.1km az=66.0

BUL 21 18:11:20.4, 15.03N ± 119.22E, h102km, mb4.2, ISC 21 18:11:11.7 ± 0.3, 15.40N ± 119.61E, 0.03, h29km, n52, ±1944/68, mb4.1/13, 3C-3D, Luzon

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

NEIC 21 18:38:45.6 ± 1.8, 23.00N ± 121.41E, h65km ± 18km, mb3.8/1, Error ellipse: s-maj=20.1km s-min=13.1km az=51.0, ISC 21 18:38:38.0 ± 0.3, 22.87N ± 101.121E, 0.02, h6km, 2km, n82, ±131/129, mb3.6/10, MS3.0/1, 2C-19D, Taiwan

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TWD, TTN, TAI, etc.

IDC 21 18:50:37.0 ± 0.8, 18.06S ± 174.59W, mb4.2/13, mb1 4.5/13, mb1mx4.4/18, MS3.6/1, Ms1 3.6/1, ms1mx3.2/13, Error ellipse: s-maj=30.7km s-min=16.8km az=134.0, NEIC 21 18:50:39.0 ± 0.4, 18.05S ± 174.60W, h15km, mb4.4/5, Error

ellipse: s-maj=17.3km s-min=10.1km az=130.0
ISC 21:18:50.40.8.0, 18.085.10.0, 174.77k, m1.0, h33km, n39,
c0597/33, mb4.2/16, MS3.6/1, 6C, Tonga Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Urewera, Rata Peaks, Charters Tower, etc.

NIED 21:19:42.00, 37.30N, 142.20E, h26km, Mw3.6 Best double
couple: L2.4x1014 N1P1.21, delta31, delta2, N2P2, delta22,
delta39, delta168.

JMA 21:19:42:51.6-0.2, 37.26N, 142.19E, h36km, M3.8
ISC 21:19:43:00.4-9.1, 36.94N, 141.63E, h80km, 65km, mb3.1/3,
mb1.3/4.4, mb1mx3.1/2.1, M3.6/1, Error ellipse:
s-maj=94.2km s-min=25.5km az=71.0

ISC 21:19:42:52.2-1.5, 37.26N, 0.06, 142.2E, 0.2, h39km, 14km,
n14, c0571/18, mb3.3/3, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JFK, JMW, JMM, etc.

ISC 21:20:10:39.6-1.1, 13.26N, 143.92E, mb3.6/5, mb1.4/0.5,
mb1mx3.7/18, Error ellipse: s-maj=53.0km s-min=24.3km
az=103.0

NEIC 21:20:10:56.7-1.3, 13.10N, 143.81E, h144km, 11km, mb3.7/1,
Error ellipse: s-maj=33.7km s-min=15.7km az=111.0

ISC 21:20:20:0.1, 8.0, 9.2, 2.0, 127.1E, 0.5, h33km, n10,
c0534/10, mb3.8/6, Halmahera

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like GUMO, WRA, ASAR, etc.

ISC 21:20:19:58.9-1.1, 1.96N, 127.09E, mb3.8/6, mb1.4/0.7,
mb1mx3.8/16, ML4.3/1, Error ellipse: s-maj=91.8km
s-min=16.0km az=70.0

ISC 21:20:20:0.1, 8.0, 9.2, 2.0, 127.1E, 0.5, h33km, n10,
c0534/10, mb3.8/6, Halmahera

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like FITZ, WRA, WB2, etc.

NEIC 21:20:36:55.2, 5.2, 36.15N, 71.43E, h102km, 27km, mb4.1/5,
Error ellipse: s-maj=24.3km s-min=10.2km az=70.0

NCC 21:20:37:04.3, 5.7, 36.79N, 70.55E, h100km, 11km, mpv4.0,
Error ellipse: s-maj=52.2km s-min=41.7km az=68.0
ICC 21:20:37:09.4, 10.0, 37.04N, 71.52E, h179km, 75km, mb3.2/5,
mb1.3/4.7, mb1mx3.2/17, Error ellipse: s-maj=80.2km
s-min=29.6km az=12.0

ISC 21:20:36:53.7-1.7, 36.11N, 0.09, 71.3E, 0.2, h101km, 16km,
n24, c0583/28, mb3.8/6, 2C-1D, Afghanistan-Tajikistan
border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like AML, UCH, EKS, etc.

NEIC 21:20:58:45.1, 0.5, 10.24S, 161.41E, mb4.2/5, Error ellipse:
s-maj=11.4km s-min=8.6km az=48.0
ISC 21:20:58:45.3, 0.9, 10.29S, 161.49E, h48km, 6km, mb3.8/8,
mb1.4/0.9, mb1mx3.9/16, MS3.3/2, Ms1.3/3.2, ms1mx2.9/21,
Error ellipse: s-maj=29.3km s-min=18.8km az=113.0

ISC 21:20:58:43.9, 2.8, 10.35S, 0.1, 161.4E, 0.1, h51km, 24km,
h48km, 8km, pP, n25, c0558/25, mb4.0/11, MS3.6/1,
Bougainville - Solomon Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NOUC, DZM, PMG, etc.

ATH 21:21:04:12.7, 39.95N, 21.96E, h10km, ML2.3
THE 21:21:04:35.0, 38.39N, 21.96E, h10km, ML2.8

ISC 21:21:04:37.0, 9.388N, 0.05, 21.57E, 0.05, h10km, n8,
c0593/14, Greece

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like LKD, VLS, WLS, etc.

BUI 21:21:05:21.8, 6.91S, 130.83E, h97km, mb5.0, mb4.8
NEIC 21:21:05:29.4, 1.8, 6.35S, 130.19E, h97km, 17km, mb4.7/10,
Error ellipse: s-maj=15.0km s-min=9.3km az=60.0
ISC 21:21:05:30.7, 4.9, 6.29S, 130.53E, h112km, 42km, mb4.2/9,
mb1.4/1.3, mb1mx4.4/15, MS3.2/3, Ms1.3/2.3,
ms1mx2.8/18, Error ellipse: s-maj=35.9km s-min=13.6km

az=71.0
ISC 21:21:05:27.4, 2.0, 6.35S, 0.06, 130.35E, 0.07, h95km, 19km,
n68, c0585/66, mb4.8/23, 6C, Banda Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like FITZ, WRA, WRA, etc.

ISC 21:21:05:29.4, 1.8, 6.35S, 130.19E, h97km, 17km, mb4.7/10,
Error ellipse: s-maj=15.0km s-min=9.3km az=60.0
ISC 21:21:05:30.7, 4.9, 6.29S, 130.53E, h112km, 42km, mb4.2/9,
mb1.4/1.3, mb1mx4.4/15, MS3.2/3, Ms1.3/2.3,
ms1mx2.8/18, Error ellipse: s-maj=35.9km s-min=13.6km











Table with columns: ZAL, Zalesovo, 144.57, 26, PKP, PKPdf, 02 32 50.4 +0.8, etc.

Table with columns: SSE, Sheshan, 19.69, 291, P, AMB, P, AMB, 02 41 23.0 +0.6, etc.

Table with columns: KIV, Columbia Colle, 79.88, 53, eP, P, 02 49 00.3 +0.2, etc.

NEIC 22 02:34:10.6, 35.41S; 70.98W, h107km, MD3.3(GUC), After GUC.

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

Table with columns: WMO, Shilling, 45.87, 182, P, P, 02 45 10.5 -0.3, etc.

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

MOS 22 02:36:53.5, 1.0, 25.50N; 142.53E, h33km, mb4.8/6, Error ellipse: s-maj=29.1km s-min=11.7km az=121.5

NEIC 22 02:36:55.2, 25.46N; 142.50E, h40km, mb5.1, mb4.6, Ms4.2, Msz3.9

NEIC 22 02:36:56.0, 1.5, 25.50N; 142.65E, h44km, mb4.7/22, Error ellipse: s-maj=7.4km s-min=5.8km az=107.0

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



KMI	comp=Z,11nm,0.9s,mb4.8	76.24 302	eP	P	03 17 31.6 +4.3
KMI	Kunming		pP	AMB	03 17 42.6 +4.6
KMI	comp=Z,17nm,1.4s,mb4.8		AMB	AMB	
KMI	comp=Z,191nm,4.2s		LR	LR	
KMI	comp=N,242nm,18.1s,MS4.7		LR	LR	
KMI	comp=E,269nm,18.1s,MS4.7		LR	LR	
CM31	comp=Z,278nm,22.6s,MS4.5	76.58 295	eP	P	03 17 30.8 +1.6
CM31	Chiang Mai Arr		LR	LR	
CMAR	comp=Z,193nm,20.0s,MS4.4	75.56 295	P	P	03 17 30.1 +0.8
CMAR	Chiang Mai Arr		pP	AMB	03 17 30.1 +0.8
CD2	comp=Z,9.9nm,0.8s,mb4.8,baz=124,slow=4.4,SNR=25	78.17 308	P	P	03 17 37.8 -0.1
CD2	Chengdu		PP	PP	03 20 38.8 +2.1
CD2			PS	PS	03 27 30.6 +1.9
CD2			SS	SS	03 28 10.8 -3.8
CD2			AMB	AMB	03 32 40.8 +7.1
CD2	comp=Z,10.0nm,1.1s,mb4.7		AMB	AMB	
CD2	comp=Z,200nm,4.9s		LR	LR	
CD2	comp=E,440nm,18.0s		LR	LR	
MA2	comp=Z,970nm,18.0s,MS5.2	78.27 351	eP	P	03 17 30.2 -7.7
MA2	Magadan		PFAKE	LR	03 17 50.0 +1.2
MA2	Magadan		LR	LR	
HIA	comp=Z,388nm,19.0s,MS4.8	79.09 330	eP	P	03 17 42.4 -0.2
HIA	Hailar		LR	LR	
HIA	comp=Z,23nm,1.1s,mb5.0		LR	LR	
MAW	comp=Z,414nm,20.0s,MS4.8	79.25 202	P	P	03 17 44.9 +1.7
MAW	Mawson		PP	PP	03 17 44.9 +1.7
MAW	comp=Z,9.4nm,1.1s,mb4.6,baz=99,slow=10,SNR=4.9	79.25 202	eP	P	03 17 40.5 -2.7
MAW	Mawson		PP	PP	03 17 40.5 -2.7
LZH	comp=Z,15nm,1.1s,mb4.8	80.64 313	eP	P	03 17 52.8 +1.6
LZH	Lanzhou		pP	PP	03 18 02.0 0.0
LZH			XP	SP	03 18 05.6 -0.2
LZH			AMB	AMB	
LZH	comp=Z,20nm,1.5s,mb4.8		AMB	AMB	
LZH	comp=Z,360nm,5.8s		LR	LR	
LZH	comp=N,710nm,14.4s		LR	LR	
LZH	comp=Z,600nm,19.4s		LR	LR	
CLNS	Chul'man	82.46 338	eP	P	03 17 59.2 -1.0
CLNS			pmx	pmx	
CLNS	comp=Z,20nm,1.1s,mb5.0		pmx	pmx	
CLNS	comp=N,10.0nm,1.2s		pmx	pmx	
CLNS	comp=E,10.0nm,0.9s		pmx	pmx	
CLNS	comp=N,10.0nm,1.1s		pmx	pmx	
CLNS	comp=Z,10.0nm,1.1s,mb4.7		pmx	pmx	
CLNS	comp=E,10.0nm,0.8s		pmx	pmx	
ULN	Ulaanbaatar	84.80 324	eP	P	03 18 13.7 +1.4
ULN	Ulaanbaatar	84.80 324	eP	P	03 18 14.1 +1.8
ULN	Ulaanbaatar		eP	pP	03 18 23.0 -0.1
ULN	Ulaanbaatar		LR	LR	
YAK	comp=Z,255nm,20.0s,MS4.6	85.02 343	eP	P	03 18 12.0 -1.0
YAK	Yakutsk		eS	S	03 28 34.9 -3.2
YAK			e'SS		03 29 38.8
YAK			pmx	pmx	
YAK	comp=Z,30nm,1.0s,mb5.4		pmx	pmx	
YAK	comp=N,10.0nm,1.2s		pmx	pmx	
YAK	comp=E,7.0nm,1.3s		pmx	pmx	
YAK	comp=Z,9.0nm,0.9s,mb4.9		smx	smx	
YAK	comp=E,120nm,12.2s		smx	smx	
YAK	comp=N,240nm,14.7s		smx	smx	
YAK	Yakutsk	85.02 343	eP	P	03 18 12.3 -0.7
YAK	comp=N,56nm,0.8s,mb5.8		eP	pP	03 18 17.9 -5.9
YAK			LR	LR	
GTA	comp=Z,444nm,20.0s,MS4.8	85.04 314	eP	P	03 18 16.4 +2.7
GTA	Gaotai		AP	pP	03 18 24.1 -0.5
GTA			XP	PP	03 18 27.8 -0.4
GTA			PP	PP	03 21 39.3 +6.8
GTA			PPP	PPP	03 23 38.3 +5.2
GTA			AMB	AMB	
GTA	comp=Z,11nm,1.1s,mb4.9		AMB	AMB	
GTA	comp=Z,83nm,6.5s		LR	LR	
GTA	comp=N,151nm,18.3s,MS4.6		LR	LR	
GTA	comp=E,145nm,18.6s,MS4.6		LR	LR	
TNA	comp=Z,131nm,20.2s,MS4.3	85.08 10	PFAKE	LR	03 18 20.0 +6.8
TNA	Tin City		LR	LR	
SONM	comp=Z,244nm,20.0s,MS4.6	85.15 324	P	P	03 18 15.1 +1.1
SONM	Songino Array		eP	P	03 18 15.1 +1.1
BILL	comp=Z,14nm,1.0s,mb5.0,baz=135,slow=5.2,SNR=40	85.54 359	eP	P	03 18 14.3 -1.2
BILL	Bilibino		e	e	03 18 22.2
BILL			e	e	03 28 47.6
BILL			pmx	pmx	
BILL	comp=Z,54nm,1.2s,mb5.7		pmx	pmx	
BILL	Bilibino	85.54 359	eP	P	03 18 14.4 -1.1
FIB	comp=Z,38nm,1.1s,mb5.5	85.54 19	PFAKE	LR	03 18 30.0 +1.4
FIB	Fire Island		LR	LR	
HOPS	comp=Z,3um,20.0s,MS5.6	85.78 47	PFAKE	LR	03 18 30.0 +1.3
HOPS	Hopland		LR	LR	
SYO	comp=Z,2um,19.0s,MS5.4	85.95 197	↑P	P	03 18 16.5 -0.9
SYO	Syowa Base		pP	P	03 18 19.4 -1.2
SYO	Syowa Base	85.95 197	↑P	P	03 18 25.3 -3.0
SYO	Syowa Base	85.95 197	↑P	P	03 18 16.5 -0.9
SYO	Syowa Base	85.95 197	↑P	P	03 18 19.4 -1.2
SYO	Syowa Base	85.95 197	↑P	P	03 18 25.3 -3.0
PMR	Palmer	86.19 19	PFAKE	LR	03 18 30.0 +1.1
PMR			LR	LR	
WDC	comp=Z,395nm,19.0s,MS4.8	86.86 46	PFAKE	LR	03 18 30.0 +7.5
WDC	Whiskeytown Da		LR	LR	
YBH	comp=Z,834nm,20.0s,MS5.1	87.25 45	PFAKE	LR	03 18 40.0 +1.6
YBH	Yreka Blue Hor		LR	LR	
CMB	comp=Z,410nm,21.0s,MS4.8	87.26 49	PFAKE	LR	03 18 40.0 +1.5
CMB	Columbia Colle		LR	LR	
BOD	comp=Z,438nm,20.0s,MS4.9	87.36 334	eP	P	03 18 23.2 -1.3
BOD	Bodaibo		eP	P	03 18 29.7 +3.8
LSD	Lisa	87.50 302	eP	LR	
LSD			LR	LR	
MCK	comp=Z,136nm,20.0s,MS4.4	87.88 18	eP	P	03 18 24.2 -2.7
MCK	McKinley		LR	LR	
MCK	comp=Z,4.8nm,1.2s,mb4.6		LR	LR	
MCK	comp=Z,231nm,20.0s,MS4.6	88.24 325	↑P	P	03 18 29.0 +0.1
ZAK	Zakamensk		↑P	P	03 18 40.0 +1.1
SIT	Sitka	88.27 27	PFAKE	LR	
SIT			LR	LR	
PFO	comp=Z,568nm,19.0s,MS5.0	88.42 54	PFAKE	LR	03 18 40.0 +1.0
PFO	Pinyon Flat Ob		LR	LR	
DAC	comp=Z,1um,19.0s,MS5.3	88.59 51	PFAKE	LR	03 18 40.0 +9.0
DAC	Darwin (Calif)		LR	LR	
NVAR	comp=Z,837nm,20.0s,MS5.2	88.92 49	P	P	03 18 32.5 0.0
NVAR	Mina Array Bea		P	P	03 18 32.5 0.0
MOD	comp=Z,6.3nm,1.2s,mb4.8,baz=246,slow=12,SNR=5.6	88.95 45	PFAKE	LR	03 18 40.0 +7.4
MOD	Modoc		LR	LR	

MOD	comp=Z,1um,20.0s,MS5.2	89.05 17	PFAKE	LR	03 18 40.0 +7.5
COLA	College		LR	LR	
ILAR	comp=Z,408nm,19.0s,MS4.9	89.25 18	P	P	03 18 31.0 -2.4
ILAR	Eielson Array		LR	LR	
TPH	comp=Z,1.5nm,0.7s,mb4.4,baz=244,slow=5.3,SNR=12	89.56 50	PFAKE	LR	03 18 50.0 +1.4
TPH	Tonopah		LR	LR	
WVOR	comp=Z,664nm,19.0s,MS5.1	90.30 45	PFAKE	LR	03 18 50.0 +1.1
WVOR	Wild Horse Val		LR	LR	
BMN	comp=Z,876nm,20.0s,MS5.2	90.48 48	PFAKE	LR	03 18 50.0 +1.0
BMN	Battle Mountai		LR	LR	
SNA	comp=Z,751nm,22.0s,MS4.8	90.58 183	↑P	P	03 18 38.7 -0.8
SNA	Sanae		↑P	P	03 18 39.2 -2.9
DAWY	comp=Z,1.5nm,0.7s,mb4.4,baz=244,slow=5.3,SNR=12	91.11 21	eP	P	03 18 49.0 -4.1
DAWY	Dawson		eP	P	03 18 49.0 -4.1
DAWY	Neumayer Olymp	91.23 181	↑P	P	03 18 43.5 +1.0
HAWA	comp=Z,396nm,19.0s,MS4.9	91.33 41	PFAKE	LR	03 18 50.0 +6.4
HAWA	Hawmanford		LR	LR	
VNAZ	comp=Z,396nm,19.0s,MS4.9	91.50 182	↑P	P	03 18 45.2 +1.4
VNAZ	Neumayer-Watz		↑P	P	03 18 46.7 +1.5
TUC	comp=Z,751nm,22.0s,MS4.8	91.80 181	↑P	P	03 19 00.0 +1.1
TUC	Neumayer-Stat		↑P	P	03 19 00.0 +1.1
TUC	Tucson	92.41 57	PFAKE	LR	
TUC			LR	LR	
TIXI	comp=Z,392nm,20.0s,MS5.0	92.99 349	eP	P	03 18 49.5 -1.2
TIXI	Tiksi		pmax	pmax	
TIXI	comp=Z,10.0nm,1.1s,mb5.2		MLR	MLR	
TIXI	Tiksi	92.99 349	eP	P	03 18 49.5 -1.2
TIXI	comp=Z,14nm,1.1s,ms5.3		LR	LR	
TIXI	comp=Z,231nm,20.0s,MS4.6	93.01 54	PFAKE	LR	03 19 00.0 +8.4
WUAZ	Wupatki		LR	LR	
WUAZ			LR	LR	
MVU	comp=Z,832nm,21.0s,MS5.2	93.39 51	PFAKE	LR	03 19 00.0 +6.8
MVU	Marysvalde		LR	LR	
NEW	comp=Z,1um,20.0s,MS5.4	93.58 40	PFAKE	LR	03 19 00.0 +6.1
NEW	Newport		LR	LR	
HLID	comp=Z,265nm,20.0s,MS4.7	93.59 45	eP	P	03 18 59.6 +5.5
HLID	Hailey		LR	LR	
HLID	comp=Z,1.5nm,0.9s,mb4.4		LR	LR	
HWUT	comp=Z,967nm,20.0s,MS5.3	94.89 48	PFAKE	LR	03 19 10.0 +1.0
HWUT	Hardware Ranch		LR	LR	
MSO	comp=Z,540nm,19.0s,MS5.0	95.06 42	PFAKE	LR	03 19 10.0 +9.4
MSO	Missoula		LR	LR	
WMQ	comp=Z,584nm,19.0s,MS5.1	95.12 314	eP	P	03 19 01.6 +0.6
WMQ	Urumqi		AP	pP	03 19 09.5 -2.5
WMQ			XP	SP	03 19 12.9 -2.7
WMQ			PP	PP	03 22 53.3 +0.3
WMQ			PPP	PPP	03 24 56.0 -2.1
WMQ			AMB	AMB	
WMQ	comp=Z,13nm,1.0s,mb5.3		LR	LR	
WMQ	comp=N,213nm,19.5s		LR	LR	
WMQ	comp=E,185nm,27.0s		LR	LR	
WMQ	comp=Z,213nm,22.0s,MS4.6	95.60 47	PFAKE	LR	03 19 10.0 +6.8
AHID	Auburn Hatcher		LR	LR	
AHID			LR	LR	
BOZ	comp=Z,503nm,22.0s,MS5.0	96.17 44	PFAKE	LR	03 19 20.0 +1.4
BOZ	Bozeman (W)		LR	LR	
MNTX	comp=Z,514nm,20.0s,MS5.0	96.59 59	PFAKE	LR	03 19 20.0 +1.2
MNTX	Cornudas Mount		LR	LR	
ANMO	comp=Z,37nm,19.0s,MS3.9	96.66 56	iP	P	03 18 59.4 -8.8
ANMO	Albuquerque		P	P	03 19 15.7 +7.5
ANMO	Albuquerque	96.66 56	P	P	
ANMO	Albuquerque	96.66 56	P	P	
BW06	comp=Z,451nm,19.0s,MS5.0	96.68 47	PFAKE	LR	03 19 20.0 +1.2
BW06	Boulder Array		LR	LR	
PDAR	comp=Z,308nm,19.0s,MS4.8	96.68 47	P	P	03 19 10.3 +2.2
PDAR	Pinedale Array		P	P	03 19 10.3 +2.2
PDAR	comp=Z,0.4nm,0.7s,mb4.0,baz=27,slow=3.3,SNR=4.4		PKKbP	PKKbP	03 35 56.4
TXAR	comp=Z,1.1nm,1.1s,baz=90,slow=1.5,SNR=3.8	97.34 62	P	P	03 19 11.2 -0.3
TXAR	Lajitas Array		PKKbP	PKKbP	03 19 11.2 -0.3
SDCO	comp=Z,0.2nm,0.9s,baz=135,slow=9.9,SNR=2.6	98.19 53	PFAKE	LR	03 19 30.0 +1.5
SDCO	Great Sand Dun		LR	LR	
ISCO	comp=Z,617nm,19.0s,MS5.1	98.67 51	PFAKE	LR	03 19 30.0 +1.3
ISCO	Idaho Springs		LR	LR	
MKAR	comp=Z,711nm,20.0s,MS5.2	99.65 316	P	P	03 19 22.1 +0.6
MKAR	Makanchi Array		P	P	03 19 22.1 +0.6
MKAR	comp=Z,1.1nm,0.8s,baz=270,slow=2.4,SNR=5.7	99.65 316	P	P	03 19 21.3 -1.5
MKAR	Makanchi Array		PKKbP	PKKbP	03 19 21.3 -1.5
YKA	comp=Z,1.8nm,1.1s,baz=254,slow=4.6,SNR=14	100.02 27	P	P	03 23 49.5
YKA	Yellowknife Ar		LR	LR	
YKA	comp=Z,0.4nm,0.8s,baz=250,slow=1.5,SNR=6.5		LR	LR	
YKA			LR	LR	
ZAL	comp=Z,230nm,19.2s,MS4.7,baz=230,slow=3.4	100.06 323	P	P	03 19 23.1 0.0
ZAL	Zalesovo		P	P	03 19 23.1 0.0
JCT	comp=Z,1.6nm,0.3s,baz=297,slow=1.4,SNR=6.8	100.88 61	PFAKE	LR	03 19 40.0 +1.3
JCT	Junction City		LR	LR	
WMOK	comp=Z,276nm,20.0s,MS4.8	102.71 57	PFAKE	LR	03 19 50.0 +1.4
WMOK	Wichita Mounta		LR	LR	
CBKS	comp=Z,510nm,21.0s,MS5.0	102.85 53	PFAKE	LR	03 19 50.0 +1.4
CBKS	Cedar Bluff				



Table with columns: STA, Name, Time, Res, and various codes. Includes stations like SONGINGO, BILIBINO, SYOVA, etc.

Table with columns: STA, Name, Time, Res, and various codes. Includes stations like HYF, LPGA, RSP, etc.

Table with columns: STA, Name, Time, Res, and various codes. Includes stations like DAVA, DANUELS, WELSCHBURCH, etc.



Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty. Includes stations like NWA0 Narrogin (SRO), CBJJ Chichi jima, VVND Vanda, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty. Includes stations like SMRF Simiane la Rot, LMR La Moure, RJF Les Rejaudoux, etc.

IDC 22 04:02:34.8±1.1, 28.76N; 130.37E, mb3.4/4, mb1 3/6/6, mb1mx3.5/22, ML3.2/2, Error ellipse: s-maj=37.7km s-min=19.8km az=103.0

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty. Includes stations like JZK Kaishima, JAM Amami Oshima, JNN Nakanoshima, etc.

IDC 22 04:08:43.2±0.3, 8.32N; 127.11E, mb3.9/4, mb1 4/14, mb1mx3.7/16, MS3.0/1, Ms1 3/0/1, ms1mx2.7/18, Error ellipse: s-maj=145.0km s-min=26.3km az=65.0, Talaud Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty. Includes stations like WRA Warrunganga Arr, WBR Warrunganga Arr, ASAR Alice Springs, etc.

DJA 22 05:33:29.0±0.9, 17.15S; 114.00E, h30km/24km, MD4.9/3, ML4.0/4, 5C-1D, Error ellipse: s-maj=34.2km s-min=14.2km az=24.0, South of Jawa

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty. Includes stations like KELI Kelatagan, INGI Ingas, RATI Rata, etc.

CASC 22 06:01:17.8±2.2, 13.86N; 91.08W, h49km±19km, MD3.6, ML3.6, ISC 22 06:02:17.5±1.1, 13.78N; 0.08±91.11W±0.05, h49km, n12, g066/22, 3D, Near coast of Guatemala

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty. Includes stations like FUG Fuego 3, JAT Jato, JAT Jato, etc.

IDC 22 06:16:59.5±1.5, 21.11S; 67.60W, h168km±15km, mb3.5/5, mb1 3/7/7, mb1mx3.6/13, Error ellipse: s-maj=24.8km s-min=20.4km az=6.0

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty. Includes stations like LVC Limon Verde, LVC Limon Verde, LVC Limon Verde, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty. Includes stations like OTAV Otavalo, PMSA Palmer Station, WVT Waverly, etc.

DJA 22 06:28:46.6±0.9, 9.96S; 114.38E, h30km/40km, MD4.6/2, ML4.1/4, 5C-3D, Error ellipse: s-maj=38.5km s-min=14.9km az=16.0, South of Bali

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty. Includes stations like INGI Ingas, RATI Rata, KELI Kelatagan, etc.

IDC 22 06:34:38.9±1.1, 24.45S; 176.58W, mb3.9/5, mb1 4/1/5, mb1mx4.0/14, MS3.5/2, Ms1 3/5/2, ms1mx3.2/15, Error ellipse: s-maj=102.0km s-min=47.9km az=82.0

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty. Includes stations like RPZ Rata Peaks, STKA Stephens Creek, ASAR Alice Springs, etc.

BJJ 22 07:26:53.3±2.5, 25.50N; 142.70E, h107km, mb4.5, mb4.5, MS3.9, Ms3.5, NEIC 22 07:26:53.4±0.4, 25.50N; 142.75E, h107km, mb4.2/9, Error ellipse: s-maj=16.5km s-min=9.0km az=93.0

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty. Includes stations like WRA Warrunganga Arr, WRA Warrunganga Arr, WRA Warrunganga Arr, etc.

IDC 22 07:26:58.2±4.5, 25.48N; 142.64E, h35km±36km, B3/8/17, mb1 4/0/17, mb1mx4.0/21, Error ellipse: s-maj=23.2km s-min=13.5km az=93.0

ISC 22 07:26:58.5±1.6, 25.43N; 0.06±142.6E±0.1, h59km±13km, n42, ±196/43, mb4.1/30, MS3.2/1, Volcano Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty. Includes stations like CBJJ Chichi jima, CBJJ Chichi jima, CBJJ Chichi jima, etc.

IDC 22 07:26:58.5±1.6, 25.43N; 0.06±142.6E±0.1, h59km±13km, n42, ±196/43, mb4.1/30, MS3.2/1, Volcano Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty. Includes stations like MKAR Makanchi Arr, MKAR Makanchi Arr, MKAR Makanchi Arr, etc.





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

DJA 22 09:35:39.0-0.9, 8.66S-117.45E, h30km, 9km, MD4.7/4, ML4.4/4, 2C, Error ellipse: s-maj=56.8km s-min=24.4km az=2.0, Sumbawa region

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

IGQ 22 09:40:22.2, 1.65S-80.20W, h7km, 4km, mb4.5, Error ellipse: s-maj=7.2km s-min=2.7km az=121.6

ISC 22 09:40:22.8-2.4, 1.7S-0.1-1.80.3W, 0.1, h7km, n24, 0.068/26, 6C-13D, Near coast of Ecuador

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

IDC 22 09:49:21.8-0.6, 17.52S-167.79E, mb4.4/17, mb1 4.6/17, mb1mx4.6/19, MS4.6/7, Ms1 4.6/7, ms1mx4.3/26, Error ellipse: s-maj=19.3km s-min=16.7km az=97.0

SYO 22 09:49:23.2, 17.59S-167.89E, h10km, Mb5.0, Error ellipse: s-maj=9.3km s-min=6.8km az=99.0

HRVD 22 09:49:23.0-0.2, 17.54S-167.62E, h18km, MW5.3/54, Centroid moment tensor solution. LP body waves: s46, c77, Mantle waves: s54, c86; Half durations: P=1.1, S=1.1, N=1.1; Moment tensor: Scale 10^17Nm; Mw=0.85; M0=0.05e-02; Mw=0.90e-02; M0=1.8e-06; Mw=0.13e-02; Mw=0.64e-06; Best double couple: Mo=1.1x10^17; NP1=358; 327; 100; NP2=167; 864; 185; Principal axes: T 1.07, P1g71; Azm67; N 06, Plg4; Azm169; P-1.13, Plg18; Azm261; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

BUI 22 09:49:23.2, 17.60S-167.90E, h10km, Mb5.0, mb5.0, Ms5.6, Msz5.2

NEIC 22 09:49:23.0-0.2, 17.59S-167.89E, h10km, Mb5.0/25, Error ellipse: s-maj=9.3km s-min=6.8km az=99.0

NEIC Felt at Port Vila

LDG 22 09:49:24.0-0.2, 17.50S-167.33E, h10km, Mb5.1/2, Error ellipse: s-maj=31.7km s-min=3.5km az=95.0

ISC 22 09:49:21.8-1.6, 17.60S-167.67E, 0.07, h8km, 10km, h17km, 1.4km, p-P, P, 198s, 0.19/1979, mb4.8/43, MS4.9/12, 46C-5D, Vanuatu Islands

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

Main table with columns: RPZ, Rate Peaks, 26.15 174 P P, 09 54 59.0+0.7, 10 03 44.8, 09 54 59.0+0.7, 10 03 44.8, etc.

Table with columns: SYO, Columbia Cole, 87.21 49 eP, 10 02 10.3+4.0, 10 02 13.3+3.1, 10 02 13.4+1.5, etc.



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

Table with columns for station name, frequency, power, and other technical details. Includes stations like NB2, NOA, NOA, etc.

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

DCD 22 10:11:0.0, 5.17858:167.87E, h10km, MB5.4, MS5.7, mb1mx5.0/24, MS5.4/15, Ms1 5.4/15, ms1mx5.3/21, Error ellipse: s-maj=15.5km s-min=13.8km az=109.0 LDG 22 10:11:2.2, 0.17785:168.48E, h10km, MB5.4/3, MS5.5/9, Error ellipse: s-maj=43.0km s-min=2.7km az=108.0

ISC 22 10:11:13.3:1.1, 17.615:0.04:167.75E:0.04, h23km,7km, h20km,2.3km,pp-P,n508,c11/1153,mb5.2/67,MS5.5/42, 99C-28D, Vanuatu Islands

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

Table with columns: Station Name, Time, Res, ISC. Includes stations like NJ2, NJ2, NJ2, etc.

Table with columns: Station Name, Time, Res, ISC. Includes stations like HHC, HHC, HHC, etc.







22d 10h

Table with columns for station name, frequency, power, and other technical details. Includes stations like MA2 Magadan, HIA Hailar, MAW Mawson, etc.

2004 APR

Table with columns for station name, frequency, power, and other technical details. Includes stations like NVAR Mina Array, COLA College, PMSA Palmer Station, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like ULM Lac du Bonnet, BVAR Borovoye Array, BRVK Borovoye, etc.

FINES	comp=Z,4um,20.0s,M56.1	126.57 338 B	PKP	PKPdf	10 34 16.1	-2.7
LSZ	comp=Z,25nm,1.1s,baz=117,slow=4.3,SNR=14	126.57 233	PKPdf	LR	10 34 18.2	-1.9
LSZ	comp=Z,4um,20.0s,M55.9	128.72 81	PFAKE	LR	10 34 30.0	+1.0
SJG	comp=Z,677nm,21.0s,M55.3	129.01 81	ePKPdf	PKPdf	10 34 17.0	-3.8
HUMP	Col San Antoni	129.01 81	ePKPdf	PKPdf	10 34 25.6	
SOC	Sochi	129.39 312	iPKIKP	PKPdf	10 34 16.1	-4.8
SOC			ePPP	PPP	10 39 10.9	-7.1
SOC			eSS	SSS	10 41 21.5	
SOC			ePmax	Pmax	10 53 44.8	-4.6
SOC	comp=Z,3.0nm,0.3s		pmax	pmax		
SOC	comp=N,4.0nm,0.4s		pmax	pmax		
SOC	comp=E,10.0nm,0.4s		pmax	pmax		
BBSR	BB Station	130.57 62	PFAKE	LR	10 34 30.0	+6.6
BBSR						
ANN	comp=Z,5um,20.0s,M56.2	130.65 314	iPKIKP	PKPdf	10 34 29.4	+6.2
ANN						
BDFB	comp=Z,26nm,1.0s	131.61 131	PKP	PKPdf	10 34 23.1	-2.7
SIM	comp=Z,4.5nm,0.6s,baz=91,slow=6.2,SNR=4.9	132.84 316	ePKP	PKPdf	10 33 56.4	
SIM	comp=Z,590nm,13.8s		MLR	MLR		
NB2	comp=Z,1um,18.0s,M55.7	133.51 345	PKPdf	PKPdf	10 34 26.1	-2.0
NB2	comp=Z,8.1nm,1.0s,baz=31,slow=1.9		PKPd		10 34 26.1	
NOA	NORSAR Array B	133.51 345	PKP	PKPdf	10 34 26.6	-1.4
ASF	Jabal al Asfar	133.60 298	PKP	PKPdf	10 34 30.3	+1.2
HSF	comp=Z,3.6nm,0.8s,baz=61,slow=4.0,SNR=3.3	133.60 342	PKP	PKPdf	10 34 26.4	-1.8
AFS	Hagfors	133.62 346	PKP	PKPdf	10 34 40.0	+8.8
KONO	Kongsberg	135.12 345	PFAKE	LR	10 34 30.3	-2.5
EIL	comp=Z,2um,22.0s,M55.7	135.51 295	PKP	PKPdf	10 34 25.6	
LVV	L'vov	136.69 326	ePKHKP	MLR	11 00 14.0	
LVV			MLR	MLR		
LVV	comp=N,2um,21.0s,M56.0		MLR	MLR		
LVV	comp=E,2um,21.0s,M56.0		MLR	MLR		
MLR	comp=Z,200nm,20.0s,M54.8	137.87 320	PKP	PKPdf	10 34 35.9	-0.7
CRVS	Cervencia-Dubn	138.59 327	ePKP	PKPdf	10 34 36.5	-1.3
OJC	Ojcow	138.61 329	ePKP(df)	PP	10 37 24.2	-5.1
OJC			eSS	SSS	10 55 35.6	-4.2
OJC			eMLR	MLR	11 31 48.5	
OJC	comp=Z,2um,23.4s,M55.8		ePKP	PKPdf	10 34 37.8	-1.9
KSP	Kisaz	139.82 332	e	PKPdf	10 34 40.6	+0.6
MORC	Moravsky Berou	139.99 330	ePKPdf	PKPdf	10 34 38.6	-1.7
PSZ	Piszkesteto	140.01 326	ePKIKP	PKPdf	10 34 37.6	-2.8
OPC	Opice	140.16 332	ePKP	PKPdf	10 34 38.6	-2.0
UPC	Uppene	140.19 332	ePKP	PKPdf	10 34 41.5	+0.8
VYHS	Vyrhov	140.20 328	ePKP	PKPdf	10 34 40.3	-1.5
VRAC	Vranov	140.76 330	PKP	PKPdf	10 34 40.3	-1.5
BRG	Bergjiesshubel	140.82 334	ePKIKP	PKPdf	10 34 40.3	-1.5
BRG			pmax	pmax		
BRG	comp=Z,27nm,1.4s		MLR	MLR		
BRG	comp=N,2um,22.5s,M55.8		MLR	MLR		
BRG	comp=E,1um,22.5s,M55.8		MLR	MLR		
BRG	comp=Z,1um,22.5s,M55.7		MLR	MLR		
BRG	Bergjiesshubel	140.82 334	ePKP	PKPdf	10 34 40.3	-1.5
BRG			e	PKPdf	10 34 43.3	
BRG			LR	LR	10 38 18.0	
BRG	comp=Z,1um,22.5s,M55.7		LR	LR		
CLL	Collim	140.88 335	e	PKPdf	10 34 35.0	-6.9
CLL			e	PKPdf	10 34 39.0	
CLL			e	PKPdf	10 34 42.2	
CLL	Collim	140.88 335	ePKIKP	PKPdf	10 34 39.0	-2.9
CLL	comp=Z,40nm,1.6s		MLR	MLR		
CLL	comp=Z,2um,21.1s,M55.8		MLR	MLR		
PRU	Pruhonica	141.22 332	ePKP	PKPdf	10 34 40.6	-1.9
ZST	Zlatibor	141.27 329	ePKP	PKPdf	10 34 41.2	-1.5
ESK	Eskaaleim	141.72 352	PFAKE	LR	10 34 50.0	+6.8
ESK			LR	LR		
NYK	Novy Kostel	141.93 334	ePKP	PKPdf	10 34 38.4	-5.3
MOX	Moxa	141.95 335	iP	PKPdf	10 34 41.5	-2.2
MOX	Moxa	141.95 335	ePKP	PKPdf	10 34 41.5	-2.2
KHC	Kasperske Hory	142.27 332	ePKP	PKPdf	10 34 38.4	-5.9
GERES	GERES Array B	142.43 332	ePKIKP	PKPdf	10 34 38.7	
GERES	comp=Z,5.4nm,0.9s,baz=45,slow=1.9,SNR=14		PKPdf		10 34 47.7	-0.9
IDI	Anoia	142.73 306	PKP	PKPdf	10 34 40.5	-4.8
GRA1	Grafenberg Arr	142.85 335	ePKP	PKPdf	10 34 40.2	-5.2
GRA2	Grafenberg Arr	142.85 335	ePKIKP	PKPdf	10 34 40.2	-5.2
MOA	Molln	142.89 330	iPKP	PKPdf	10 34 41.3	-5.0
OHR	Ohrid	143.29 317	iP	PKPdf	10 34 42.8	-3.7
SIS3	Sisak	143.44 326	iPKP	PKPdf	10 34 43.1	+0.7
SIND	Sindeldorf	143.76 337	ePKP	PKPdf	10 34 43.4	+0.6
TOD	Tromm	143.77 337	ePKP	PKPdf	10 34 42.6	-4.5
TOD	Tromm	143.77 337	ePKP	PKPdf	10 34 43.3	-4.1
KBA	Koelnbreinsper	143.88 330	iPKP	PKPdf	10 34 44.1	+1.1
LJU	Ljubljana	144.02 328	iPKP	PKPdf	10 34 43.6	-3.8
LJU	Ljubljana	144.02 328	iPKIKP	PKPdf	10 34 43.6	-3.8
ABH	Alteburg	144.09 338	ePKP	PKPdf	10 34 43.6	-3.8
ABH	Alteburg	144.09 338	ePKP	PKPdf	10 34 43.6	-3.8
DCN	Croghnan	144.13 335	ePKP	PKPdf	10 34 44.1	+0.6
HDD	Heidenheim	144.13 335	ePKP	PKPdf	10 34 44.8	-3.2
VOY	Vojsko	144.35 328	ePKPdf	PKPdf	10 34 44.4	-3.6
PTCC	Pattocco-Chiusa	144.35 329	ePKP	PKPdf	10 34 45.2	+1.2
KTD	Kalmit	144.37 337	ePKP	PKPdf	10 34 45.2	+1.2
STU	Stuttgart	144.39 336	ePKIKP	PKPdf	10 34 45.2	+1.2
ROBS	Robit	144.39 329	iPKIKP	PKPdf	10 34 45.2	+1.2
ROBS					10 34 45.2	+1.2
RUP	Ruppelstein	144.42 339	ePKP	PKPdf	10 34 45.6	+1.4
RUP	Ruppelstein	144.42 339	ePKP	PKPdf	10 34 45.6	+1.4
FVI	Forni Avoltri	144.49 330	ePKP	PKPdf	10 34 44.5	-3.8
GERNA	Gerona	144.51 335	ePKP	PKPdf	10 34 44.5	-3.7
WALDA	Waldalera	144.50 332	iPKP	PKPdf	10 34 45.1	-3.2
WTTA	Wattenberg	144.53 332	iPKP	PKPdf	10 34 46.1	+1.3
BUCH	Bad Urach	144.59 335	ePKP	PKPdf	10 34 46.2	+1.3
MOG	Merano	144.63 336	ePKP	PKPdf	10 34 45.3	-3.3
LMTA	Moosalm	144.71 332	iPKP	PKPdf	10 34 46.7	-3.0
LANF	Lanzenberg	144.75 337	ePKP	PKPdf	10 34 46.7	-3.0
SQA	Sankt Quirin	144.76 332	iPKP	PKPdf	10 34 46.0	-2.7
WLF	Walferdange	144.76 339	ePKIKP	PKPdf	10 34 45.6	+0.3
GIVF	Givet	144.81 341	iPKP	PKPdf	10 34 45.3	-3.6
NVLJ	Novaja	144.84 326	ePKP	PKPdf	10 34 46.8	+1.2
UBR	Ubrunn	144.88 334	ePKP	PKPdf	10 34 47.1	+1.2
GUT	Gutenstein	144.93 335	ePKP	PKPdf	10 34 46.6	+0.6
BAIF	Baives	145.04 342	iPKP	PKPdf	10 34 47.6	+1.4
SPAK	Spaichingen	145.09 335	ePKP	PKPdf	10 34 47.6	+1.4
SPAK	Spaichingen	145.09 335	ePKP	PKPdf	10 34 47.6	+1.4
STR	Strasbourg	145.09 337	PKP	PKPdf	10 34 47.5	-1.7
MENF	Mencas	145.17 344	PKP	PKPdf	10 34 46.5	-2.8
HPE	Hempelre	145.23 352	ePKP	PKPdf	10 34 46.9	+0.5
DAVA	Damuelts	145.23 352	ePKP	PKPdf	10 34 47.2	+0.3
WLS	Welschbrunn	145.28 337	ePKP	PKPdf	10 34 48.0	+1.8
CDF	Champ du Feu	145.42 333	ePKP	PKPdf	10 34 48.0	+1.8
CTD	Castel Tesino	145.43 330	ePKP	PKPdf	10 34 48.4	-1.5
LIBL	Limburg	145.51 336	ePKP	PKPdf	10 34 49.1	+1.9
LIBD	Limburg	145.51 336	ePKP	PKPdf	10 34 47.2	+2.3
KIZ	Kirchzarten	145.55 336	ePKP	PKPdf	10 34 48.9	+1.6

FELD	Feldberg	145.58 336	ePKP	PKPbc	10 34 49.3	+1.9
ECH	Echery	145.63 337	PKP	PKPdf	10 34 48.2	-2.0
DAVOX	Davos	145.65 333	PKPbc	PKPbc	10 34 49.3	+1.6
VAL	Valentia	145.68 336	ePKP	PKPbc	10 34 48.4	+0.9
BRMO	Brno	145.69 333	ePKP	PKPdf	10 34 49.9	-0.4
HEX	Exmor	145.94 351	ePKP	PKPbc	10 34 48.9	+0.7
MOF	Molkenrain	145.94 337	PKP	PKPdf	10 34 49.5	-1.2
THEF	They Montfort	146.04 338	PKP	PKPdf	10 34 49.9	-1.0
HINF	Hinterfeld	146.07 337	iPKP	PKPbc	10 34 49.7	+1.1
HAU	Haudempore	146.10 338	iPKP	PKPbc	10 34 50.0	+1.3
HTL	Hartland	146.11 351	ePKP	PKPbc	10 34 49.7	+1.1
BBS	Basel-Blauen	146.11 336	ePKP	PKPbc	10 34 50.7	+2.0
BBS	Basel-Blauen	146.11 336	ePKP	PKPbc	10 34 50.7	+2.0
MEZF	Maizieres Jvi	146.13 339	iPKP	PKPbc	10 34 50.6	+1.9
RGNG	Rignano Grg	146.26 321	ePKP	PKPdf	10 34 50.9	-0.5
LOMF	Lomont	146.47 336	PKP	PKPdf	10 34 51.2	-0.4
FSSB	Fossombrone	146.54 326	ePKP	PKPdf	10 34 50.3	-1.6
RSM	Repubblica di	146.55 327	ePKP	PKPdf	10 34 50.3	-1.1
ARV	Arcevia	146.59 326	ePKP	PKPdf	10 34 50.4	-1.6
ORI	Oriolo Calabro	146.66 318	ePKP	PKPdf	10 34 52.5	+0.3
SNTG	Santho	146.75 326	ePKP	PKPdf	10 34 52.4	+0.2
MRLC	Muro Lucano	146.86 320	ePKP	PKPdf	10 34 52.6	+0.1
VMS	Vicchio	146.89 328	ePKP	PKPdf	10 34 52.6	+0.1
TDS	Terranova Siba	146.95 318	ePKP	PKPdf	10 34 53.6	+0.9
PGD	Poggio Sodo	146.96 328	ePKP	PKPdf	10 34 53.7	+1.1
CII	Carovilli	146.98 322	ePKPbc	PKPbc	10 34 52.5	+1.6
CST1	Stithans	146.98 352	ePKP	PKPdf	10 34 52.2	+1.6
VIC	Vicchio	146.99 329	ePKP	PKPdf	10 34 54.9	+1.5
ZCCA	Zocca	146.99 329	ePKP	PKPdf	10 34 54.7	+2.1
CCA1	Carmenelles	147.00 352	ePKP	PKPdf	10 34 52.4	-0.1
CRQ2	Rosemarinos	147.01 352	ePKP	PKPdf	10 34 52.0	-0.5
SEI	Scarpieria	147.02 328	ePKP	PKPdf	10 34 54.2	+1.5
CRE	Cesape Michel	147.02 327	ePKP	PKPdf	10 34 53.0	+0.4
ASSI	Assisi	147.02 328	ePKP	PKPdf	10 34 53.0	+0.7
CP12	Caprinone	147.06 322				

22 12h

Table with columns: ZAL, Zalesovo, 20.19 352 P, P, 10 45 51.5 -3.4

IDC 22 10:42:06.21.2, 2.37S-68.30E, mb3.8/7, mb1 4.0/7, mb1mx3.8/15, Error ellipse: s-maj=45.2km s-min=22.9km az=93.0

NEIC 22 10:42:08.0.0.8, 2.32S-68.55E, h10km, mb4.8/1, Error ellipse: s-maj=23.7km s-min=12.7km az=79.0

ISC 22 10:42:05.7.0.9, 2.34S.0.10.68.5E.0.2, h10km, n14, s1500, 1.5, mb3.9/7, Carlsberg Ridge

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

DHMR 22 10:45:30.9.1.6, 13.10N.43.90E, h18km, 5km, ML3.6, 1C-2D, Western Arabian Peninsula

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

IDC 22 10:46:06.7.12.0, 17.78S-167.30E, mb3.9/4, mb1 4.1/4, mb1mx3.8/15, Error ellipse: s-maj=319.0km s-min=67.2km az=126.0

ISC 22 10:46:06.2.0.8, 17.88S.0.09.167.80E.0.09, h33km, n6, s1500, 0.8, mb3.8/4, 1D, Vanuatu Islands

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

MAN 22 11:06:00.6, 16.54N.120.94E, h2km, mb4.5, ML3.4, MS3.2, 2C-1D, Luzon

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

IDC 22 11:07:15.8.2.6, 28.28S-178.40W, h194km, 2km, mb3.7/12, mb1 3.9/14, mb1mx3.8/17, Error ellipse: s-maj=26.6km s-min=14.4km az=156.0

SYO 22 11:07:31.4, 28.46S-178.64W, h349km, MB4.4, BUJ 22 11:07:31.4, 28.50S-178.60W, h349km, mb4.7

NEIC 22 11:07:31.4, 28.46S-178.64W, h349km, 4.1km, mb4.4/0, Error ellipse: s-maj=22.3km s-min=13.3km az=55.0

ISC 22 11:07:10.5.1.9, 28.27S.0.07.178.4W.0.1, h170km, 18km, n97, s137/52, mb4.2/1, 3C-4D, Kermadec Islands region

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

2004 APR

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

JMA 22 11:32:58.3.0.3, 44.01N.148.21E, M3.7, Kuril Islands

NEIC 22 11:36:50.5.0.1, 34.99N.137.54E, h296km, 2km, M3.8

ISC 22 11:36:50.7.0.6, 34.86N.137.46E, h291km, 5km, mb4.0/5, Error ellipse: s-maj=12.8km s-min=10.5km az=121.0

ISC 22 11:36:50.1.0.4, 35.00N.0.05.137.52E.0.06, h297km, 2km, n41, s083/57, mb3.8/14, Near south coast of eastern Honshu

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

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

NEIC 22 12:02:44.7, 54.68N-153.87W, h47km, ML3.1(AEIC), After AEIC., South of Alaska

NEIC 22 12:05:41.5.0.7, 17.70S-167.85E, h10km, mb4.4/8, Error ellipse: s-maj=16.3km s-min=10.7km az=107.0

IDC 22 12:05:41.5.1.0, 17.34S-167.42E, mb4.2/9, mb1 4.3/9, mb1mx4.2/17, MS4.1/6, Mst 1.4/6, ms1mx3.8/24, Error ellipse: s-maj=28.1km s-min=24.7km az=120.0

LDG 22 12:05:42.7.0.2, 17.54S-166.79E, h10km, Mb4.4/2, Error ellipse: s-maj=26.4km s-min=14.5km az=88.0

ISC 22 12:05:40.2.0.6, 17.75S.0.07.167.63E.0.08, h10km, n49, s1517/26, mb4.2/13, MS5.0/6, 1C, Vanuatu Islands

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









Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Varese, Poggio Sodo, VMG, Zocca, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MTLF Montoliu, IDC 22 13:05:33.2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like VVDA Vanda, SBA Scott Base, QSPA South Pole, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like IDC 22 13:01:25.7, NEIC 22 13:01:26.3, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like IDC 22 13:36:48.9, IDC 22 13:55:20.4, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MOS 22 14:16:00.9, IDC 22 14:16:01.4, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like IDC 22 13:03:29.7, BKM Butte a Klehm, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like IDC 22 14:02:58.0, IDC 22 14:02:59.8, etc.

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















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

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like mb1 3.9/10, mb1mx3.8/16, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like TRTC, JCR, Volcan Poas 2, etc.

IDC 22 19:13:13.7, 1.28, 28.97N; 59.61E, mb3.6/5, mb1 3.8/6, mb1mx3.8/21, ML4.5/1, Error ellipse: s-maj=44.9km s-min=32.4km az=29.0

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

IDC 22 19:21:25.7; 13.0, 20.64S; 178.91W, h598km, 129km, mb3.2/5, mb1 3.4/5, mb1mx3.2/6, az=119.0, Fiji Islands region

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

IDC 22 19:26:17.6; 0.9, 17.78S; 167.93E, mb4.1/10, mb1 4.3/10, mb1mx4.2/16, MS3.8/7, Ms1 3.8/7, ms1mx3.5/26, Error ellipse: s-maj=26.5km s-min=23.7km az=142.0

NEIC 22 19:26:20.4; 0.4, 17.78S; 167.99E, h10km, mb4.8/6, Error ellipse: s-maj=13.6km s-min=9.8km az=100.0

LDG 22 19:26:21.7; 0.1, 17.60S; 167.21E, h10km, Mb4.5/2, Error ellipse: s-maj=24.8km s-min=3.3km az=93.0

IDC 22 19:26:30.1; 17.92S; 0.06; 167.8E; 0.1, h16km=13km, n78, r1938/31, mb4.3/13, MS3.7/7, 28C-50, Vanuatu Islands

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

IDC 22 19:22:03.2; 2.2, 13.83N; 86.05W, MD4.6, mb4.2(NEIC) CASC 22 19:22:05.0; 0.8, 13.66N; 86.00W, h35km, mb4.24, Error ellipse: s-maj=26.1km s-min=14.4km az=62.0

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

IDC 22 19:23:09.5; 1.4, 13.61N; 85.82W, mb4.0/10, mb1 4.3/11, mb1mx4.2/16, ML4.5/1, Error ellipse: s-maj=43.1km s-min=28.5km az=34.0

NEIC 22 19:23:15.9; 0.7, 13.87N; 85.87W, h35km, mb4.2/5, Error ellipse: s-maj=24.7km s-min=10.9km az=60.0

CASC 22 19:23:18.7; 1.7, 13.58N; 86.32W, h5km, 16km, ML4.5, mb4.2(NEIC)

IDC 22 19:23:11.8; 0.3, 14.02N; 0.03; 86.30W; 0.06, h5km, n53, r105/52, mb4.0/14, Honduras

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

IDC 22 19:22:03.2; 2.2, 13.83N; 86.05W, MD4.6, mb4.2(NEIC) CASC 22 19:22:05.0; 0.8, 13.66N; 86.00W, h35km, mb4.24, Error ellipse: s-maj=26.1km s-min=14.4km az=62.0

IDC 22 19:22:05.0; 0.8, 13.66N; 86.00W, h35km, mb4.24, Error ellipse: s-maj=26.1km s-min=14.4km az=62.0

NEIC 22 19:22:05.0; 0.8, 13.66N; 86.00W, h35km, mb4.24, Error ellipse: s-maj=26.1km s-min=14.4km az=62.0

NEIC 22 19:22:05.0; 0.8, 13.66N; 86.00W, h35km, mb4.24, Error ellipse: s-maj=26.1km s-min=14.4km az=62.0

NEIC 22 19:22:05.0; 0.8, 13.66N; 86.00W, h35km, mb4.24, Error ellipse: s-maj=26.1km s-min=14.4km az=62.0

NEIC 22 19:22:05.0; 0.8, 13.66N; 86.00W, h35km, mb4.24, Error ellipse: s-maj=26.1km s-min=14.4km az=62.0

NEIC 22 19:22:05.0; 0.8, 13.66N; 86.00W, h35km, mb4.24, Error ellipse: s-maj=26.1km s-min=14.4km az=62.0

NEIC 22 19:22:05.0; 0.8, 13.66N; 86.00W, h35km, mb4.24, Error ellipse: s-maj=26.1km s-min=14.4km az=62.0

NEIC 22 19:22:05.0; 0.8, 13.66N; 86.00W, h35km, mb4.24, Error ellipse: s-maj=26.1km s-min=14.4km az=62.0

NEIC 22 19:22:05.0; 0.8, 13.66N; 86.00W, h35km, mb4.24, Error ellipse: s-maj=26.1km s-min=14.4km az=62.0

NEIC 22 19:22:05.0; 0.8, 13.66N; 86.00W, h35km, mb4.24, Error ellipse: s-maj=26.1km s-min=14.4km az=62.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like WATA, WTTA, MOTA, SOTA, BAIF, BFO, DAVA, CDF, HIN, HAU, HMF, MEZF, CABF, FLN, LDF, LOR, SSF, GRR, LPL, LPG, SMF, AVF, BNI, SGFM, BGF, MBDF, ORIF, SBF, TCF, PGF, VWF, MFF, FRF, SMRF, LMR, LJR, CAF, LASF, LFF, MTLF, EPF, ETSF.

NIED 22 19:40:00, 25.20N, 142.40E, h5km, Mw4.2 Best double couple: M1.92x10^15 NP1\_0=0.84°, δ84°, λ87°. NP2\_0=207°, δ6°, λ117°.
IDC 22 19:40:29.2, 1.1, 25.49N, 142.73E, mb4.0/8, mb1.4/1.8, mb1mx3.9/20, Error ellipse: s-maj=42.7km s-min=17.0km az=83.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like CBIJ, MAJO, BJT, ULN, SONM, WRA, FITZ, MKAR, MKAR, KURK, BVAR, BRVK, ARU, YKA, YKA, JOF, KAF, FINES, NB2, NOA.

JMA 22 19:42:43.2, 34.35N, 139.15E, h6km, Mw2.6
JMA Felt II J1
ISC 22 19:42:43.5, 0.6, 34.36N, 139.17E, 0.04, h6km, n11, δ=72/21, Near south coast of eastern Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like NJJJ, KJO, JIM2, JIM2, JIZS, KAM2, JOD2, JOD2, TK03, SHZ3, SHZ3, TK04, TK04, MAT, MAT, MAT, MAT.

IDC 22 19:43:59.8, 2.0, 3.78S, 147.70E, mb3.9/6, mb1.4/2.6, mb1mx4.0/13, MS3.6/3, Ms1.3/6.3, ms1mx3.2/21, Error ellipse: s-maj=72.1km s-min=23.0km az=112.0
ISC 22 19:44:02.9, 1.6, 3.95S, 147.70E, 0.4, h33km, n9, δ=98/8, mb3.8/5, MS3.6/3, Bismarck Sea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like WB2, WRA, ASAR, FITZ, FITZ, SONM, MKAR, MKAR, ZAL, ILAR.

NIED 22 20:37:00, 37.10N, 141.20E, h41km, Mw3.5 Best double couple: M1.83x10^14 NP1\_0=32°, δ73°, λ90°. NP2\_0=213°, δ17°, λ91°.
JMA 22 20:37:59.6, 0.1, 37.06N, 141.19E, h49km, Mw3.7
JMA Felt II J1
ISC 22 20:37:58.8, 1.9, 37.04N, 141.3E, 0.1, h35km, 24km, n6, δ=95/21, 40, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like ONAJ, ONAJ, ONAJ, JFH, JHO, JFT, JFT, JMM, JMM, MAT, MAT.

BUI 22 20:57:30.3, 50.06N, 29.64W, h9km, mb4.5, Ms4.6, Ms4.2
IDC 22 20:57:32.0, 0.8, 49.89N, 28.87W, mb4.2/15, mb1.4/4.1/5, mb1mx4.3/21, MS4.0/21, Ms1.4/0.21, ms1mx3.9/30, Error ellipse: s-maj=24.5km s-min=13.3km az=2.0
ZUR\_RM 22 20:57:33, 49.87N, 28.87W, h12km, Mw4.8/9, Moment Tensor Solution, s9 Moment tensor: Scale 10^16 Nm; Mw=1.60; Ms=0.11; Ms1=1.49; Ms2=0.46; Ms3=0.25; Ms4=1.08; Best double couple: M1.96x10^16 NP1\_0=163°, δ63°, λ97°. NP2\_0=357°, δ27°, λ77°. Principal axes: T1.908, P1g18", Azm257"; N.097, P1g6", Azm166"; P-2.006, P1g71", Azm58";

NEIC 22 20:57:33.9, 0.3, 49.87N, 28.87W, h10km, mb4.6/8, MS4.1/4 Error ellipse: s-maj=8.9km s-min=3.6km az=117.0
ISC 22 20:57:32.1, 0.3, 49.88N, 0.06, 28.88W, 0.05, h10km, n15, δ=127/140, mb4.5/68, MS4.0/25, 9C-2D, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like DCN, DMFB, EMAZ, STS, EZAM, EPON, ESK, EINC, ELOB, ERUA, ROSF, QUIF, ECAL, SGFM, EARL, MTE, GRR, FLN, ELAN, EVO, EVO, LDF, MFF, GUD, EGR, MENF, EALK, EMIN, SJPF, ESDC, ESDC, LFF, ETSF, ETOR, RJF, RJF, EADA, SCO, HYF, HYF, ESPR, EPF, BAIF, BAIF, ELU, CAF, AVF, AVF, SSF, GIVF.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like AGO, PYM, LOR, LOR, SMF, EQES, MEZF, HGN, MTLF, ERTA, ETOB, WTSB, EMIR, EBER, THEF, LASF, HAU, HAU, VWF, HIN, SCHQ, SCHQ, SCHQ, CDF, WLS, ORIF, SMRF, LPL, LPL, LPG, MBDF, STU, NB2, NOA, NOA, NOA, LMR, FRB, FRB, FRB, SBF, MOX, MOX, MOX, MOX, GRA1, DAVOX, CLL, DAG, GERES, VRAC, MORC, FINES, FINES, KAF, ARCES, KEV, SADO, JOF, JOF, SSPA, ULM, ULM, ULM, ULM, ULM, CCM, YKA, YKA, YKA, YKA, KAN, KAN, PCRV, ARTI, ARU, ARU, INK, INK, WMOK, WALA, WALA, WALA, HRY, HRY, BOZ, BOZ, BOZ, BOZ, CHMT, CHMT, CHMT, CHMT, DAWY, DAWY, HWUT, HWUT.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like AGO, PYM, LOR, LOR, SMF, EQES, MEZF, HGN, MTLF, ERTA, ETOB, WTSB, EMIR, EBER, THEF, LASF, HAU, HAU, VWF, HIN, SCHQ, SCHQ, SCHQ, CDF, WLS, ORIF, SMRF, LPL, LPL, LPG, MBDF, STU, NB2, NOA, NOA, NOA, LMR, FRB, FRB, FRB, SBF, MOX, MOX, MOX, MOX, GRA1, DAVOX, CLL, DAG, GERES, VRAC, MORC, FINES, FINES, KAF, ARCES, KEV, SADO, JOF, JOF, SSPA, ULM, ULM, ULM, ULM, ULM, CCM, YKA, YKA, YKA, YKA, KAN, KAN, PCRV, ARTI, ARU, ARU, INK, INK, WMOK, WALA, WALA, WALA, HRY, HRY, BOZ, BOZ, BOZ, BOZ, CHMT, CHMT, CHMT, CHMT, DAWY, DAWY, HWUT, HWUT.

Table with columns: ILAR, Eielson Array, 56.03 333 P, P, 21 07 12.3 -0.5, comp=Z,2.4nm,0.8s,mb4.2,baz=20,slow=5.7,SNR=24

IDC 22 21:46:19.5, 36.82N, 9.35W, MN2.0(MDD), After MDD. MDD 22 21:46:20.1, 2.0, 36.86N, 9.53W, h43km, 68km, mb3.5/9, Error ellipse: s-maj=168.0km s-min=102.4km az=86.0, South of Fiji Islands

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

NEIC 22 21:46:19.5, 36.82N, 9.35W, MN2.0(MDD), After MDD. MDD 22 21:46:20.1, 2.0, 36.86N, 9.53W, h43km, 68km, mb3.5/9, Error ellipse: s-maj=168.0km s-min=102.4km az=86.0, South of Fiji Islands

INMG 22 21:46:21.1, 0.8, 36.75N, 9.42W, h16km, 3km, ML 1.9, Error ellipse: s-maj=4.3km s-min=2.6km az=60.0

ISC 22 21:46:18.4, 1.3, 36.79N, 0.07, 9.40W, 0.07, h16km, n25, 0114/46, 1D, West of Gibraltar

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

Table with columns: PLOU, Mina Concepcio, 2.38 65 P, Sn, 21 47 19.2 -0.2, EMIN, 0.1nm,0.1s,SNR=9.1

IDC 22 21:46:35.5, 1.5, 17.54S, 167.84E, mb4.2/9, mb1 4.4/9, mb1mx4.3/17, MS3.9/5, Mst 3.9/5, ms1mx3.6/25, Error ellipse: s-maj=63.6km s-min=23.1km az=145.0

NEIC 22 21:46:37.9, 0.3, 17.63S, 167.95E, h10km, mb4.7/8, Error ellipse: s-maj=11.6km s-min=7.6km az=116.0

BUI 22 21:46:39.9, 17.60S, 168.00E, h10km, mb4.9, mb4.6 LDG 22 21:46:39.2, 0.2, 17.48S, 167.07E, h10km, Mb4.7/2, Error ellipse: s-maj=27.7km s-min=3.7km az=91.0

ISC 22 21:46:38.4, 1.7, 17.73S, 0.05, 167.7E, 0.1, h23km, 14km, n106, 0111/35, mb4.4/16, MS3.8/5, 31C-3D, Vanuatu Islands

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

IDC 22 21:54:00.1, 4.7, 27.33S, 176.81W, mb4.0/2, mb1 4.2/2, mb1mx4.3/9, 11, Error ellipse: s-maj=214.0km s-min=49.1km az=155.0, Kermadec Islands region

ASAR Alice Springs 44.41 263 P, Op, 22 02 12.9 -1.6, WRA Warramunga Arr 45.13 268 P, P, 22 02 18.2 -2.1

FINES FINESS Array B 142.59 342 PKP, 22 13 32.4 -3.9, NOARSAR Subarray 45.86 353 PKP, 22 13 42.4

NOA NORARSAR Array B 145.86 353 PKP, 22 13 40.4 -0.5, IDC 22 22:00:27.4, 1.0, 17.58S, 167.90E, mb4.2/9, mb1 4.3/9, mb1mx4.2/16, MS4.0/1, Mst 1.4/0.1, ms1mx3.1/18, Error ellipse: s-maj=31.1km s-min=24.0km az=140.0

NEIC 22 22:00:29.4, 0.3, 17.59S, 167.97E, h10km, mb4.8/7, Error ellipse: s-maj=9.8km s-min=6.6km az=98.0

LDG 22 22:00:30.7, 0.1, 17.45S, 167.33E, h10km, Mb4.6/2, Error ellipse: s-maj=24.9km s-min=4.4km az=92.0

ISC 22 22:00:29.9, 1.8, 17.72S, 0.06, 167.7E, 0.1, h21km, 14km, n109, 0114/33, mb4.4/14, MS4.1/1, 33C-3D, Vanuatu Islands

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

Table with columns: BFO, Black Forest, 145.15 336 ePKP, PKPdf, 22 06 14.9 -3.6, SPAK Spaichingen, 145.35 336 PKP, PKPdf, 22 06 14.8 -3.7

IDC 22 21:54:00.1, 4.7, 27.33S, 176.81W, mb4.0/2, mb1 4.2/2, mb1mx4.3/9, 11, Error ellipse: s-maj=214.0km s-min=49.1km az=155.0, Kermadec Islands region

ASAR Alice Springs 44.41 263 P, Op, 22 02 12.9 -1.6, WRA Warramunga Arr 45.13 268 P, P, 22 02 18.2 -2.1

FINES FINESS Array B 142.59 342 PKP, 22 13 32.4 -3.9, NOARSAR Subarray 45.86 353 PKP, 22 13 42.4

NOA NORARSAR Array B 145.86 353 PKP, 22 13 40.4 -0.5, IDC 22 22:00:27.4, 1.0, 17.58S, 167.90E, mb4.2/9, mb1 4.3/9, mb1mx4.2/16, MS4.0/1, Mst 1.4/0.1, ms1mx3.1/18, Error ellipse: s-maj=31.1km s-min=24.0km az=140.0

NEIC 22 22:00:29.4, 0.3, 17.59S, 167.97E, h10km, mb4.8/7, Error ellipse: s-maj=9.8km s-min=6.6km az=98.0

LDG 22 22:00:30.7, 0.1, 17.45S, 167.33E, h10km, Mb4.6/2, Error ellipse: s-maj=24.9km s-min=4.4km az=92.0

ISC 22 22:00:29.9, 1.8, 17.72S, 0.06, 167.7E, 0.1, h21km, 14km, n109, 0114/33, mb4.4/14, MS4.1/1, 33C-3D, Vanuatu Islands

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

Table with columns: ILAR, Station Name, Az, El, P, Time, Res, ISC. Includes stations like Eielson Array, Snaae, NARSAR Subarray, etc.

Table with columns: WRA, Station Name, Az, El, P, Time, Res, ISC. Includes stations like Alice Springs, Vanda, NARSAR Subarray, etc.

Table with columns: ASAJ, Station Name, Az, El, P, Time, Res, ISC. Includes stations like Matsuhiro, Kuril'sk, Yuzh-Sakhalins, etc.

NIED 22:22:16:00, 40.80N, 142.40E, h74km, Mw4.8 Best double couple: M1.81x10^16 NP1: phi=227°, delta=110°. NP2: phi=108°, delta=23°, lambda=31°

MOS 22:22:16:35.2, 40.98N, 142.13E, h49km, mb5.4/19, Error ellipse: s-maj=12.9km s-min=6.3km az=107.1

NEIC 22:22:16:37.0, 40.82N, 142.25E, mb4.8/7.1, Error ellipse: s-maj=6.2km s-min=4.0km az=148.0

NEIC Recorded [4 JMA] in Iwate, [3 JMA] in Amori and [1 JMA] in Akita and Miyagi Prefectures. Also recorded [1 JMA] in southern Hokkaido.

ISC 22:22:16:35.0, 40.81N, 142.28E, 0.04, h78km, 2km, h82km, 1.7km, p-P, n284, sigma05/303, mb4.7/14, 35C-16D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, El, P, Time, Res, ISC. Includes stations like JANG, JANT, JANG, etc.

ISC 22:22:01:06:6.0, 8.17, 79S, 167.92E, mb4.2/11, mb1 4.5/11, mb1mx4.4/16, MS3.9/3, Ms1 3.9/3, ms1mx3.4/17, Error ellipse: s-maj=24.1km s-min=20.0km az=144.0

NEIC 22:22:01:08:4.0, 17.90S, 169.08E, h10km, mb4.7/3, Error ellipse: s-maj=18.8km s-min=10.7km az=147.0

LDG 22:22:01:09:5.0, 17.56S, 167.81E, h10km, Mb4.4/2, Error ellipse: s-maj=23.7km s-min=3.4km az=98.0

ISC 22:22:01:06:8.0, 6.17, 85S, 0.1x167.8E, 0.1, h10km, n74, sigma05/24, mb4.3/11, MS3.8/3, 31C-D, Vanuatu Islands

Table with columns: Code, Station Name, Az, El, P, Time, Res, ISC. Includes stations like CTA, CTAO, CTAO, etc.























Table with columns: KEV, comp-Z, Tsumb, PKKP, PKKP, 02 20 27.3 +11, etc. Includes stations like Tsumb, Paraskovi, Xry, Khrisi, etc.

Table with columns: NIE, Niedzica, 105.27 319, eP, Pdif, 02 04 30.1 +0.1, etc. Includes stations like Niedzica, LKLD, Valsamata, etc.

Table with columns: NB2, NORSAR Subarrat108.66 331, P, Pdif, 02 04 44.7 0.0, etc. Includes stations like NORSAR, Panska Ves, Pruhonice, etc.

Table with columns for location, date, time, and status. Includes entries like SLNA Salina, VOY Vojsko, CII Carovill, ROBS Robic, KBA Koelnbreinsper, etc.

Table with columns for location, date, time, and status. Includes entries like VAI Varese, LANF Langenberg, FELD Feldberg, GENL Genova Univ, etc.

Table with columns for location, date, time, and status. Includes entries like WCN Washoe City, AGO Saint Agouin, KSM Klyn, RYV Ruy Mans, etc.

Table with columns for location, coordinates, and status. Includes entries like Hansel Valley, Big Grassy Mtn, Madison River, etc.

Table with columns for location, coordinates, and status. Includes entries like Albuquerque, Mazatlan, Chillan, Cedar Bluff, etc.

Table with columns for location, coordinates, and status. Includes entries like OXF, MSNY, WWT, Waverly, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like GNI, EIL, LSZ, KIV, LBTB, KRIS, etc.

NEIC 23 02:24:07.4.1.2.50.31N.18.75E, h5km, MG2.0(WAR), Error ellipse: s-maj=18.8km s-min=8.4km az=171.0

WAR 23 02:24:08.2.50.27N.18.83E, h1km, Location given by Central Institute of Mining, origin time based upon OJC

PRU 23 02:24:08.2.50.27N.18.70E, Error ellipse: s-maj=2.5km s-min=2.4km az=85.0, PFXIMO

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

INMG 23 02:25:13.8.1.3.42.18N.8.02W, h16km, 7km, ML2.0, Error ellipse: s-maj=2.6km s-min=1.8km az=86.0

MDD 23 02:25:13.7.0.2.42.16N.8.03W, h20km, 4km, MbLg2.0/17, Error ellipse: s-maj=2.5km s-min=2.4km az=85.0, PFXIMO

MDD, ISC 23 02:25:13.2.0.6.42.19N.0.03x7.98W, 0.06, h28km, 6km, n25, e104/43,3C, Spain

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

ISC 23 02:07:06.1.0.49.76N.28.99W, mb3.6/12, mb1 3.9/12, mb1mx3.8/22, Error ellipse: s-maj=33.2km s-min=16.3km az=177.0

NEIC 23 02:04:09.0.0.5.49.68N.28.92W, h10km, mb3.8/17, Error ellipse: s-maj=16.1km s-min=6.1km az=195.0

ISC 23 02:40:07.1.0.6.49.6N.0.1x28.95W, 0.09, h10km, n46, e102/44, mb3.8/17, Northern Mid-Atlantic Ridge

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

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

IDC 23 03:05:23.3.4.7.2.83S.146.65E, mb4.0/5, mb1 4.2/5, mb1mx3.9/15, Error ellipse: s-maj=155.0km s-min=26.8km az=102.0

ISC 23 03:05:25.6.4.1.3.05.0.2.146.9E.0.9, h33km, n7, e06/27, mb3.8/4, Admiralty Islands region

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

MOS 23 03:07:05.3.0.9.36.41N.70.76E, h183km, mb3.9/7, Error ellipse: s-maj=29.9km s-min=13.6km az=96.4

NEIC 23 03:07:07.8.0.7.36.45N.70.95E, h190km, mb4.7/6, Error ellipse: s-maj=19.1km s-min=6.2km az=52.0

IDC 23 03:07:08.7.4.7.36.49N.70.95E, h195km, 42km, mb3.6/9, mb1 3.7/12, mb1mx3.4/21, Error ellipse: s-maj=30.8km s-min=15.2km az=41.0

NMC 23 03:07:14.7.6.8.37.06N.70.57E, h199km, 55km, mpv4.2, Error ellipse: s-maj=68.3km s-min=39.9km az=38.0

ISC 23 03:07:05.3.0.7.36.37N.0.04.70.80E.0.10, h182km, 8km, n55, e076/64, mb3.8/9, 4C-3D, Hindu Kush region

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



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ZAL Zalesovo, CMAR Chiang Mai Arr, AKASG Malin Array Be, FINES FINESS Array B, 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 WBA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, etc.

JMA 23:03:23.48.6.0.1, 41.58N-141.91E, h66km, 2km, M3.8 Broadband fault plane solution. P waves. NPlg1, 191, 319, 322, NPlg2, 871, 193. Principal axes: T Plg64, Azm295; N Plg3, Azm199; P Plg26, Azm108;

JMA Felt I J1, IDC 23:03:23.48.6.2.7, 41.53N-141.90E, h67km, 22km, mb3.6/14, mb1.3/8.15, mb1mx3.7/23, MS3.1/1, Ms1.3/1.1, ms1mx2.9/31 Error ellipse: s-maj=19.6km s-min=18.0km az=118.0

NEIC 23:03:23.50.4.1.4, 41.53N-141.84E, h84km, 14km, mb4.1/2, Error ellipse: s-maj=11.6km s-min=10.0km az=96.0 NEIC Recorded [1 JMA] in the Minami-Kayabe and Muroan areas. Also recorded [1 JMA] in Aomori Prefecture, Honshu.

ISC 23:03:24.77.8.0.3, 41.56N-0.03-141.90E.0.05, h73km, 3km, n4, c071/56, mb4.1/20, 1C-9D, Hokkaido region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JOT Ohata, JKB Kayabe, JNBK Urakawa-nobuka, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like INK Inuvik, RES Resolute Bay, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AKASG Malin Array Be, PDAR Pinedale Array, GERES GERS Array B, etc.

NEIC 23:03:35.09.1.4.1, 17.58S-179.98E, h650km, 47km, mb4.1/4, Error ellipse: s-maj=26.6km s-min=18.2km az=64.0 IDC 23:03:35.11.1.2.3, 17.48S-179.87E, h669km, 29km, mb3.1/8, mb1.3/3.8, mb1mx3.1/17, Error ellipse: s-maj=25.1km s-min=12.6km az=166.0

ISC 23:03:35.11.6.2.6, 21.82S-0.2-179.8E.0.1, h702km, 34km, n19, c18/14/24, mb3.9/10, 3C-2D, Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like URZ Urewera, CTA Charters Tower, CTAO Charters Tower, 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 VWA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

IDC 23:03:49.04.0.1.4, 22.02S-177.94W, mb3.8/5, mb1.4/1.6, mb1mx3.9/15, ML4.7/1, Error ellipse: s-maj=39.9km s-min=31.2km az=125.0

ISC 23:03:49.08.0.1.4, 22.15S-0.2-178.0W.0.2, h33km, n8, c064/7, mb3.8/5, Fiji Islands

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

CASC 23:04:22.27.2.1.6, 12.09N-87.78W, h26km, 6km, MD3.9, 1C-5D, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PYN Poneyola, LEON Leon, TEL3 Telica 3, etc.

IDC 23:04:24.45.8.1.1, 9.64S-122.51E, mb3.5/3, mb1.4/0.6, mb1mx3.9/14, ML4.1/3, Error ellipse: s-maj=111.0km s-min=22.0km az=70.0

NEIC 23:04:24.53.2.0.9, 5.9S-123.20E, h80km, Error ellipse: s-maj=50.4km s-min=13.2km az=53.0

ISC 23:04:24.56.4.2.0, 9.9S-123.0E.0.1, h139km, 22km, n17, c19/3/21, mb3.6/4, Timor region

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

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

BJI 23:04:47.16.8.61, 40N-149.90W, h37km, Ms4.1, Msz4.1, IDC 23:04:47.18.9.3.9, 61.34N-150.31W, h56km, 32km, mb3.6/10, mb1.3/8.14, mb1mx3.7/21, ML3.6/4, MS3.7/1, Ms1.3/7.1, ms1mx2.9/21, Error ellipse: s-maj=28.0km s-min=16.3km az=57.0

NEIC 23:04:47.19.8.61, 42N-149.89W, h37km, ML4.0(PMR), ML3.8(AEIC), After AEIC. NEIC Felt [IV] at Anchorage, Chugiak and Wasilla; [III] at Eagle River, Houston and Palmer.

ISC 23:04:47.18.3.0.2, 61.42N-149.86W.0.03, h56km, 3km, n106, c087/127, mb3.9/10, Southern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PWA Palmer West, PMS Palmer South, PMS Palmer South, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TRF Thorofare Moun, ILW Iliamna West, ILS Iliamna Low S, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ILAR Iliamna, IL1 Iliamna Array, KAPH Katmai Pasha, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Pinedale Array, ULM Lac du Bonnet, TXAR Lajitas Array, etc.

WAR 23 05:00:33.0, 51.50N-16.09E, h1km, Location given by Rudna mine, origin time based upon KSP

PRU 23 05:00:33.8, 51.43N-16.07E

NEIC 23 05:00:53.8, 1.1, 50.57N-14.22E, h5km, Error ellipse: s-maj=19.2km s-min=9.0km az=52.0

ISC 23 05:00:50.5, 1.0, 51.49N-0.05, 16.06E, 0.04, n14, 01905/24, Poland

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

ISC 23 05:22:11.3, 6.7, 21.89S-148.35E, mb1 3.9/3, mb1mx3.6/11, ML3.7/3, Error ellipse: s-maj=56.6km s-min=40.6km az=54.0, Queensland

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

ISC 23 06:00:22.8, 4.0, 51.15N-27.60W, mb3.6/4, mb1 3.8/4, mb1mx3.4/22, MS3.3/2, Ms1 3.3/2, ms1mx3.0/23, Error ellipse: s-maj=129.0km s-min=33.2km az=178.0, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NOA NORSTAR Array B, VRAC Vranov, ULM Lac du Bonnet, etc.

ISC 23 06:10:35.7, 1.3, 15.09S-173.62W, mb3.9/6, mb1 4.2/6, mb1mx3.9/16, Error ellipse: s-maj=42.0km s-min=28.8km az=139.0

ISC 23 06:10:39.1, 1.2, 15.1S, 0.2-173.7W, 0.2, h33km, n6, 0557.6, mb3.9/6, Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like URZ Urewera, STKA Stephens Creek, WRA Warrungunga Arr, etc.

ISC 23 06:34:45.3, 3.1, 49.88N-28.68W, mb3.5/4, mb1 3.7/4, mb1mx3.4/22, Error ellipse: s-maj=112.0km s-min=31.7km az=110.0, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ULM Lac du Bonnet, YKA Yellowknife Arr, PDAR Pinedale Array, etc.

ISC 23 06:41:42.0, 1.0, 21.73S-68.69E, mb4.0/10, mb1 4.2/10, mb1mx4.1/18, Error ellipse: s-maj=36.5km s-min=20.5km az=58.0

NEIC 23 06:41:44.1, 1.1, 21.77S-68.79E, h10km, Error ellipse: s-maj=33.7km s-min=18.8km az=68.0

ISC 23 06:41:41.5, 1.1, 21.8S, 0.2-68.7E, 0.3, h10km, n13, 0564/11, mb4.0/10, Mid-Indian Ridge

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 Cross, ASAR Alice Springs, etc.

ISC 23 06:44:43.6, 15.0, 21.61S-68.76E, mb3.9/4, mb1 4.1/4, mb1mx3.8/16, Error ellipse: s-maj=514.0km s-min=41.4km az=55.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ASAR Alice Springs, MKAR Makanchi Array, ZAL Zalesovo, etc.

ISC 23 06:46:42.8, 18.0, 22.37S-67.39E, mb3.9/4, mb1 4.1/4, mb1mx3.8/16, Error ellipse: s-maj=593.0km s-min=37.2km az=55.0, Mid-Indian Ridge

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

ISC 23 06:50:27.4, 14.0, 22.40S-67.77E, mb4.1/5, mb1 4.2/5, mb1mx3.9/16, Error ellipse: s-maj=462.0km s-min=31.9km az=54.0, Mid-Indian Ridge

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

ISC 23 06:53:55.1, 21.0, 22.56S-67.29E, mb3.9/4, mb1 4.1/4, mb1mx3.8/16, Error ellipse: s-maj=669.0km s-min=34.6km az=56.0, Mid-Indian Ridge

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

ISC 23 06:56:04.6, 8.2, 21.94S-68.44E, mb3.9/5, mb1 4.0/5, mb1mx3.8/16, Error ellipse: s-maj=285.0km s-min=33.9km az=58.0, Mid-Indian Ridge

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

GII 23 07:01:48.8, 0.7, 27.15N-34.10E, h6km, 30km, ML3.4/4, Mw3.4/3

SNSN 23 07:01:57.4, 27.86N-34.05E, h10km, M12.9, HLW 23 07:01:59.0, 27.88N-34.08E, h20km, Mb3.4

ISC 23 07:01:58.0, 0.4, 27.86N, 0.03-34.09E, 0.03, h10km, n43, 0572/47, 5C-3D, Red Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SHRM, TRI Mount Berrech, ZEI ZEI, etc.

Table with columns: AYT, FYM, HNAT, DRGI, Al 'Ayyat, Al Fayyum, Natroun, Dragot. Includes values like 3.16, 3.24, 3.52, 3.89.

BJI 23 07:18:47.8, 49.75N-29.83W, h22km, mb5.2, mb4.7, Ms4.8, Ms2.4

MOS 23 07:18:50.1, 1.0, 50.01N-28.96W, h10km, mb4.9/10, MS4.4/15, Error ellipse: s-maj=20.8km s-min=9.9km az=56.2

ISC 23 07:18:50.5, 0.6, 50.06N-28.94W, mb4.2/19, mb1 4.4/19, mb1mx3.3/24, MS4.4/24, Ms1 4.4/24, ms1mx4.3/28, Error ellipse: s-maj=19.1km s-min=11.8km az=175.0

ZUR\_RM 23 07:18:51.4, 99.28N, 89.9W, h9km, Mw5.1/9, Moment Tensor Solution, SR Moment tensor: Scale 10^16Nm; Mn=-4.54; Mw=1.0; Mxx=4.44; Mxy=5.5; Myx=0.70; Myy=2.17; Best double couple: Mw=5.06x10^16 Np1.78, 181.1, 858.7, 80.7; NP2: Mw=3.42, 83.2, 1.1, 106.1. Principal axes: T=5.001, P1g12, Azm1242; N=1.25, P1g9; Azm355; P=5.126, P1g75; Azm1242

NEIC 23 07:18:51.3, 0.1, 49.90N-28.89W, h10km, mb4.7/10, MS4.5/20, Error ellipse: s-maj=6.1km s-min=2.2km az=190.0

ISC 23 07:18:49.5, 0.2, 49.90N, 0.04-28.92W, 0.03, h10km, (h22km, 4, 7km, pp-P), n269, 0.110/258, mb4.7/10, MS4.4/54, 4C-8D, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DCN Croghan, DLF Lyons Farm, DMF Mazaricos, etc.

RUP	Hauptstein	23.09	77	eP	P	07 23 57.6 +1.7
HAU	Rudolfompe	23.81	81	eP	P	07 23 57.1 +1.0
HAU	comp=Z,125nm,1.4s,mb4.8			eR		
JMIC	Jan Mayen	23.18	17	eS	S	07 28 10.4 +6.5
JMIC	AMS			AMS		07 30 51.8
CABF	La Chapelle	23.41	85	eP	P	07 24 00.1 +1.1
SCHO	Schefferville	23.47	297	P	P	07 23 59.6 0.0
SCHO	comp=Z,7.6nm,1.0s,mb4.1,baz=63,slow=9.3,SNR=4.6			LR		07 31 20.3
HINF	Hinterfeld	23.49	81	eP	P	07 24 00.2 +0.4
MUD	Monsted U'grnd	23.51	59	iP	P	07 24 01.0 +1.1
MUD	comp=Z,890nm,17.0s,MS4.3			MLR		07 24 01.0 +1.1
ECH	Echery	23.56	80	eP	P	07 24 01.0 +0.5
CDH	Champ du Feu	23.58	80	eP	P	07 24 01.1 +0.4
WLS	Welschbruch	23.62	80	eP	P	07 24 01.2 +0.1
LOMF	Lomont	23.62	82	eP	P	07 24 01.7 +0.5
MOF	Molkenrain	23.65	81	eP	P	07 24 00.8 -0.7
LANF	Langeberg	23.73	78	eP	P	07 24 02.9 +0.6
LIBD	Limburg	23.86	80	eP	P	07 24 04.5 +1.0
ORIF	Oris-en-Rattie	23.83	89	eP	P	07 24 05.3 +1.2
ORIF	comp=Z,24nm,0.9s,mb4.3			eR		
KONO	Kongsberg	23.93	51	eP	P	07 24 01.9 -2.1
KONO	AMS			AMS		07 24 06.7
KONO	eS			S		07 28 28.7 +1.2
KONO	AMS			AMS		07 33 27.8
KONO	Kongsberg	23.93	51	eP	P	07 24 06.7 +2.7
BBS	Basel-Blauen	24.02	82	eP	P	07 24 05.3 +0.3
MBR	Simiane la Rot	24.13	91	eP	P	07 24 08.0 +1.8
FLD	Feldberg	24.20	81	eP	P	07 24 07.4 +0.6
LPL	La Plagne	24.23	87	eP	P	07 24 09.0 +1.9
LPG	La Plagne	24.25	87	eP	P	07 24 09.0 +1.7
MBDF	Montbard	24.53	88	eP	P	07 24 12.0 +1.5
NAO01	NORSAR Array S	24.72	49	eP	P	07 24 13.0 +1.3
NB2	NORSAR Subarra	24.41	48	P	P	07 24 15.1 +1.6
NB2	comp=Z,29nm,1.2s,mb4.7,baz=264,slow=10					
NB2	NORSAR Subarra	24.91	48	P	P	07 24 15.1 +1.6
NOA	NORSAR Array B	24.91	48	P	P	07 24 15.2 +1.7
NOA	comp=Z,7.0nm,0.9s,mb4.2,baz=263,slow=10,SNR=8.7			LR		07 33 21.2
FRF	La Foret Royal	25.01	91	eP	P	07 24 17.1 +2.4
LMR	La Moure	25.03	92	eP	P	07 24 16.9 +2.1
FRB	Fröbisher Bay	25.22	318	P	P	07 24 17.8 +1.4
FRB	comp=Z,4.5nm,0.8s,mb4.1,baz=86,slow=8.8,SNR=8.0			LR		07 31 52.1
DAVA	Damuels	25.60	81	iP	P	07 24 19.9 -0.2
MOX	Moxa	25.69	73	iP	P	07 24 21.2 +0.6
MOX	comp=Z,logA/T=1.2,mb4.5					
MOX	Moxa	25.69	73	eP	P	07 33 52.0
MOX	comp=Z,25nm,1.6s,mb4.5			pmax		07 24 21.6 +0.6
MOX	comp=Z,1.1um,21.4s,MS4.4			MLR		
MOX	Moxa	25.69	73	eP	P	07 24 21.6 +0.6
MOX	comp=Z,25nm,1.6s,mb4.5			LR		
GRA1	Grafenberg Arr	25.70	75	eP	P	07 24 22.0 +1.0
GRA1	comp=Z,1.1um,18.3s,MS4.4,baz=275,slow=35			LR		
GRF	Grafenberg Arr	25.70	75	eP	P	07 24 22.0 +1.0
GRF	comp=Z,2.2nm,21.4s,MS4.5			pmax		
GRF	comp=Z,65nm,1.4s,mb5.0			MLR		
DAVOX	Davos	25.78	82	P	P	07 24 24.1 +2.3
NSS	Namsos	25.95	40	AMS	AMS	07 33 31.3
NKC	Novy Kostel	26.31	73	eP	P	07 24 29.1 +2.4
NKC	comp=Z,1.6nm,17.2s			LR		07 34 10.0
MOTA	Moosalm	26.36	80	iP	P	07 24 28.1 +0.9
CLL	Colim	26.39	71	iP	P	07 24 27.4 0.0
CLL	comp=Z,49nm,1.5s,mb4.8					07 24 37.0
CLL	comp=Z,logA/T=0.9,mb4.2			e		07 24 52.0
CLL	Colim	26.39	71	iP	P	07 29 06.0 +7.5
CLL	comp=Z,8.0nm,1.0s,mb4.2			eS		07 24 27.4 0.0
CLL	comp=Z,8.0nm,1.0s,mb4.2			pmax		07 29 06.0 +7.5
CLL	comp=Z,1.1um,18.6s,MS4.5			eS		07 24 37.0
WTTA	Wattenberg	26.73	80	iP	P	07 24 30.1 -0.5
BRG	Berggiesshubel	27.07	71	eP	P	07 24 33.8 +0.2
BRG	comp=Z,50nm,1.7s,mb4.8			eS		07 29 15.0 +5.3
BRG	comp=Z,3.0nm,1.0s,mb3.8			pmax		
BRG	comp=N,650nm,19.6s,MS4.4			MLR		
BRG	comp=E,870nm,19.6s,MS4.4			MLR		
BRG	Berggiesshubel	27.07	71	eP	P	07 24 33.8 +0.2
BRG	comp=Z,3.4nm,1.0s,mb3.8			eS		07 29 15.0 +5.3
DAG	Danmarks Havn	27.27	5	iP	P	07 24 36.0 +0.7
DAG	comp=Z,8.9nm,1.1s,mb4.2			LR		
DAG	Danmarks Havn	27.27	5	iP	P	07 24 36.0 +0.7
DAG	comp=Z,9.0nm,1.1s,mb4.2			pmax		
KHC	Kasperske Hory	27.32	75	eP	P	07 24 36.3 +0.2
KHC	comp=Z,1.3nm,19.5s			LR		07 34 20.0
GERES	GERESS Array B	27.50	76	P	P	07 24 37.9 +0.2
PRU	Pruhonice	27.68	73	eP	P	07 24 40.3 +1.1
PRU	comp=Z,3.6nm,1.0s,mb3.8,baz=292,slow=7.2,SNR=11					07 35 00.0
UPC	Udice	28.43	71	eP	P	07 24 48.4 +2.4
DPC	Dobruska-Polom	28.67	71	eP	P	07 24 47.4 -0.7
DPC	comp=Z,1.2nm,17.5s					07 35 50.0
OBKA	Obir	28.86	80	iP	P	07 24 49.3 -0.6
CEY	Cerknica	29.09	81	iP	P	07 24 58.4 +6.3
KRNC	Knezi Dol	29.15	82	P	P	07 24 58.0 +5.5
VRAD	Vranov	29.15	73	LR	LR	07 36 13.1
MORC	Moravsky Berou	29.59	72	eP	P	07 24 56.1 -0.3
MORC	comp=Z,1.1um,19.0s,MS4.6,baz=301,slow=36					07 36 20.0
OKO	Ostrava-Krasne	29.94	72	L	L	07 37 02.9
TRO	Tromso	29.95	31	AMS	AMS	07 37 02.9
NCB	Newcomb	31.12	277	eP	P	07 25 11.4 +1.4
PSZ	Piszkesteto	31.69	74	eP	P	07 25 15.3 +0.3
FINES	FINES Array B	32.09	48	P	P	07 25 18.5 +0.1
FINES	comp=Z,2.2nm,0.5s,mb4.2,baz=263,slow=7.4,SNR=16			LR		07 37 16.5

KAF	Kangasniemi	32.15	47	eP	P	07 25 19.5 +0.6
ARCES	ARCCESS Array B	32.18	32	P	P	07 25 18.4 -0.7
ARCES	comp=Z,2.3nm,0.5s,mb4.2,baz=253,slow=7.6,SNR=23			LR		07 37 03.3
AREO	ARCCESS Array S	32.18	32	eP	P	07 25 18.5 -0.6
KEV	Kevo	32.73	32	eP	P	07 25 22.8 -1.1
KWP	Kaivarsa	32.80	70	eP	P	07 25 26.6 +1.9
JOF	Jouensuu	34.40	45	eP	P	07 25 38.4 0.0
AKASG	Malin Array Be	36.32	66	P	P	07 25 54.2 -0.6
AKASG	comp=Z,38nm,1.2s,mb5.0			LR		07 41 24.7
RES	Resolute Bay	36.36	336	eP	P	07 25 54.9 -0.1
FCC	Fort Churchill	37.58	309	eP	P	07 26 05.7 +0.3
FCC	comp=Z,42nm,2.0s,mb5.0					
ACSO	Alum Creek Sta	38.62	277	eP	P	07 26 15.0 +0.6
BLA	Blacksburg	38.68	271	P	P	07 26 15.5 +0.6
FWV	Forest Hill	38.72	272	eP	P	07 26 16.3 +1.1
OBN	Obninsk	38.88	56	eP	P	07 27 48.0
OBN	SS			SS		07 35 03.0 +6.4
OBN	pmax			pmax		
OBN	comp=Z,21nm,1.4s,mb4.7			MLR		
JSC	Jenkinsville	40.99	268	eP	P	07 26 34.4 +0.4
ULM	Lac du Bonnet	41.64	297	P	P	07 26 39.0 -0.1
ULM	comp=Z,8.1nm,0.8s,mb4.4,baz=62,slow=8.4,SNR=14			LR		07 42 08.8
ULM	Lac du Bonnet	41.64	297	eP	P	07 26 38.8 -0.3
ULM	comp=Z,47nm,1.2s,mb5.0					
SIM	Simferopol'	41.81	72	eP	P	07 26 47.7 +7.2
SIM	AMS			AMS		07 28 31.1
SIM	eS			S		07 33 01.0 +3.1
SIM	pmax			pmax		
SIM	comp=Z,60nm,10.6s			MLR		
WCI	Wyandotte Cave	41.88	276	eP	P	07 26 42.5 +1.4
CPCT	Cooper Cave	42.38	272	eP	P	07 26 46.2 +0.9
SIUC	Southern Illin	44.05	278	eP	P	07 26 59.5 +0.6
WVT	Waverly	44.0	275	eP	P	07 26 59.4 0.0
UTMT	University of	44.64	276	P	P	07 27 06.4 +2.6
FVM	French Village	44.67	279	eP	P	07 27 04.0 +0.1
PLAL	Pickwick Lake	44.97	274	eP	P	07 27 06.3 -0.1
PLAL	comp=Z,19nm,1.2s,mb4.8			LR		
CCM	Cathedral Cave	45.15	280	eP	P	07 27 07.8 0.0
LRAL	Lakeview Retre	45.49	271	eP	P	07 27 10.8 +0.3
GNAR	Gosnell	45.61	276	eP	P	07 27 12.3 +0.8
YKWA	Yellowknife Ar	45.70	320	eP	P	07 27 11.5 -0.3
YKA	Yellowknife Ar	45.72	320	eP	P	07 27 11.8 -0.1
YKA	comp=Z,3.1nm,1.0s,mb4.2,baz=63,slow=7.9,SNR=35			PcP		07 28 48.9 -1.3
YKA	comp=Z,1.3nm,0.6s,baz=65,slow=3.8,SNR=23			LR		07 44 05.0
YKA	Yellowknife Ar	45.72	320	P	P	07 27 11.8 -0.1
YKA	comp=Z,187nm,19.4s,MS4.0,baz=70,slow=33			PcP		07 28 48.9 -1.3
YKA	YKA			LR		07 44 05.0
SOC	Sochi	45.95	70	eP	P	07 27 14.8 +0.8
SOC	SOC			LR		07 29 04.6
SOC	ePPP			PPP		07 29 43.5 -1.8
SOC	eS			SS		07 33 58.2 +0.2
SOC	eSS			SS		07 37 13.2 -1.7
SOC	eSSS			SSS		07 38 20.4 +2.1
SOC	pmax			pmax		
SOC	comp=Z,10.0nm,0.6s,mb4.9			pmax		
SOC	comp=N,5.0nm,0.3s			pmax		
SOC	comp=E,9.0nm,0.4s			MLR		
SOC	comp=Z,490nm,18.0s,MS4.5			MLR		
SOC	comp=N,250nm,17.0s,MS4.5			MLR		
SOC	comp=E,420nm,19.0s,MS4.5			MLR		
KIV	Kislovodsk	47.55	68	P	P	07 37 32.0 +5.4
KIV	eS			S		07 24 38.4 +7.8
KIV	MLR			MLR		
UALR	University of	47.84	277	eP	P	07 27 28.6 -0.5
KSU1	Kansas State U	47.93	284	eP	P	07 27 29.3 -0.4
MIAR	Mount Ida	48.77	277	eP	P	07 27 35.0 -1.2
ZEI	Tsey	48.94	69	eP	P	07 27 39.8 +2.4
ZEI	comp=Z,7.9nm,1.1s,mb4.7			pmax		
ARU	Arti	49.45	47	iP	P	07 27 41.2 0.0
ARU	comp=Z,10.0nm,1.1s,mb4.8					07 29 31.1
ARU	eS			S		07 34 46.7 -0.5
ARU	eSS			SS		07 38 20.1 +4.9
ARU	comp=Z,9.0nm,0.8s,mb4.8			MLR		
ARU	comp=N,300nm,17.0s,MS4.7			MLR		
ARU	comp=E,500nm,17.0s,MS4.7			MLR		
ARU	comp=Z,700nm,17.0s,MS4.7			MLR		
ARU	Arti	49.45	47	eP	P	07 27 40.9 -0.3
INK	Inuvik	49.65	332	eP	P	07 27 41.5 -1.1
SVE	Sverdlovsk	50.21	461	eP	P	07 27 47.1 +0.1
GNI	Garni	51.00	71	LR	LR	07 51 13.2
GNI	comp=Z,234nm,20.1s,MS4.2,baz=133,slow=38					
WMOK	Wichita Mounta	51.98	281	eP	P	07 27 59.8 -1.0
WMOK	comp=Z,16nm,1.2s,mb4.8			LR		
WALA	Waterton Lakes	52.29	304	eP	P	07 28 02.6 -0.2
HRY	Holter Researc	52.53	301	eP	P	07 28 04.6 -0.1
BOZ	Bozeman (W)	53.05	299	eP	P	07 28 06.6 0.0
ISCO	Idaho Springs	53.06	290	eP	P	07 28 09.3 +0.5
CHMT	Chamberlain Mo	53.20	302	eP	P	07 28 09.5 -0.2
BW06	Boulder Array	53.60	295	eP	P	07 28 11.3 -1.3
BW06	comp=Z,9.9nm,1.1s,mb4.5			LR		07 28 11.9 -0.7
PDAR	Pinedale Array	53.60	295	P	P	07



Table with columns: SSE, comp, Station Name, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Nanjing, Ulanbaatar, Songoing Array, Makanchi Array, etc.

CASC 23 10:41:14.3±1.6, 11.47N-87.30W, h43km±136km, MD3.9, 1C, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PYN, LEON, CRUN, XAVN, etc.

IDL 23 10:43:55.0±0.7, 6.17S, 151.52E, mb4.2/11, mb1 4.4/12, mb1mx4.4/15, ML3.7/1, Error ellipse: s-maj=30.0km s-min=17.0km az=113.0

NEIC 23 10:44:03.1±1.3, 6.31S, 151.55E, h48km±12km, mb4.6/6, Error ellipse: s-maj=19.2km s-min=8.6km az=120.0

ISC 23 10:44:02.8±1.4, 6.25S, 0.09±151.4E, n1, h59km±12km, n30, ±111/28, mb4.2/14, 1C-1D, New Britain region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NVAR, YKA, NOA, GERES, BDFB, etc.

HEL 23 10:50:14.2±0.4, 64.73N±30.78E, ML2.0, ML2.0(UPP), Explosion

IDL 23 10:50:14.1±2.4, 64.69N±31.37E, mb1 2.9/4, mb1mx2.8/19, ML2.6/4, Error ellipse: s-maj=27.7km s-min=12.4km az=105.0

ISC 23 10:50:12.8±0.9, 64.75N±0.04±30.7E:0.2, n11, ±121/18, Finland-Karelia border region

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

NEIC 23 10:52:05.2±0.7, 3.46S, 138.19E, h10km, mb4.4/4, Error ellipse: s-maj=24.5km s-min=10.5km az=83.0

IDL 23 10:52:22.8±4.1, 3.80S, 138.15E, h172km±38km, mb3.7/9, mb1 3.9/12, mb1mx3.9/14, Error ellipse: s-maj=27.2km s-min=10.6km az=85.0

ISC 23 10:52:14.3±2.4, 3.78S±0.07±137.94E±0.09, h101km±22km, n26, ±109/36, mb4.0/10, 3C-1D, Irian Jaya

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

WEL 23 10:59:22.7±0.1, 38.99S±175.61E, h122km±1km, ML3.6/4, 10C-3D, Error ellipse: s-maj=1.1km s-min=0.9km az=0.0, North Island

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

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

NEIC 23 11:04:47.5, 34.27N±25.33E, h28km, MD3.5(AH), After ATH

ATH 23 11:04:47.5, 34.27N±25.33E, h38km±8km, MD3.5/3, Crete

ISC 23 11:20:35.0±2.0, 4.99S, 151.97E, mb3.8/6, mb1 4.0/6, mb1mx3.9/15, Error ellipse: s-maj=69.4km s-min=22.6km az=118.0

ISC 23 11:20:38.6±2.0, 5.0S±0.3±151.9E±0.5, h33km±6, ±191/4, mb3.7/6, New Britain region

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

ISK 23 11:23:46.9, 38.06N±38.60E, h15km, MD3.5, ML3.4

NSCC 23 11:23:53.6, 38.04N±37.74E, h22km±2km

ISC 23 11:23:47.4±0.5, 38.00N±0.05±38.62E±0.07, h15km, n19, ±124/27, 3C-5D, Turkey

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

IDL 23 11:32:32.2±1.6, 50.32N±28.74W, mb3.7/11, mb1 3.9/11, mb1mx3.8/23, MS3.6/9, Mst 3/6, m1mx3.3/33, Error ellipse: s-maj=49.9km s-min=19.2km az=5.0

NEIC 23 11:32:34.0±1.0, 50.40N±28.85W, h10km, Error ellipse: s-maj=39.9km s-min=12.5km az=163.0

ISC 23 11:32:32.5±1.0, 0.3N±0.2±28.8W±0.1, h10km, n17, ±150/12, mb3.7/10, MS3.6/9, Northern Mid-Atlantic Ridge

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







Error ellipse: s-maj=25.0km s-min=13.2km az=66.0  
 BUJ 23 14:04:29.2, 22.73N, 120.49E, h18km, mb4.5, mb4.4,  
 ML4.6, Ms4.2, Msz4.0  
 TAP 23 14:04:29.8, 22.92N, 120.60E, h14km, ML4.7  
 TAP Felt II J at Jiashian, IV J at Sandimen, II J at Shoushan, II  
 J at Jiouru, II J at Shinhua, II J at Nanshi, II J at Tanyuan,  
 II J at Dapu, I J at Dungshan, I J at Yungkang, I J at  
 Tsaushan, I J at Kaoshiung, II J at Jiali, II J at Pinlang, III J  
 at Taimali, I J at Lidau, I J at Taitung, I J at Alishan, I J at  
 Tsauling, I J at Chengung, II J at Zhu, I J at Mingjian, I J  
 at Lanyu

JMA 23 14:04:30.3, 0.3, 22.76N, 120.60E, h103km, M4.5  
 NEIC 23 14:04:31.6, 0.9, 22.79N, 120.71E, h37km, 9km, mb4.1/3,  
 Error ellipse: s-maj=7.4km s-min=6.7km az=95.0  
 NEIC Recorded [4 TAP] in Ping-tung and [2 TAP] in Chia-i,  
 Kao-hsiung, Tai-nan, Tai-tung and Yun-lin Counties.  
 ISC 23 14:04:29.0, 2.2, 22.84N, 0.01, 120.54E, 0.02, h31km, 1km,  
 n129, r18/179, mb4.2/18, MS3.7/8, 11C-19D, Taiwan

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
TWM1	Shoushan	0.11 263	Op	14 04 35.1	-0.3
SGLT	Jiouru	0.12 203	IP	14 04 35.9	+0.5
SGLT	Jiouru	0.12 203	IP	14 04 41.2	+2.4
SSD	Sandimen	0.12 138	IP	14 04 34.3	-1.1
SSD	Sandimen	0.12 138	IP	14 04 37.7	-1.1
SGST	Jiashian	0.25 91	IP	14 04 34.7	-2.0
CHN3	Shinhua	0.29 325	IP	14 04 37.4	+0.1
CHN3	Shinhua	0.29 325	IP	14 04 44.5	+2.2
KAU	Kaoshiung	0.34 219	EP	14 04 39.6	+1.6
CHN1	Nanshi	0.35 358	IP	14 04 36.8	-1.2
TAI1	Yung-k'ang	0.35 305	IP	14 04 38.2	+0.1
STYT	Tanyuan	0.36 316	IP	14 04 36.1	+1.8
STP	Ta-pu	0.41 91	IP	14 04 37.7	-1.3
TWL	Hsiungyi	0.43 353	IP	14 04 38.5	-0.8
ECK	Taimali	0.45 122	IP	14 04 39.2	-0.3
ECL	Taimali	0.45 122	IP	14 04 45.2	-0.9
SCLT	Jiali	0.47 316	IP	14 04 39.5	-0.2
SCLT	Jiali	0.47 316	IP	14 04 48.2	+1.7
SCZT	Fangliang	0.47 171	IP	14 04 40.6	+0.8
TWG	Pinlang	0.49 92	IP	14 04 39.6	-0.6
TWG	Pinlang	0.49 92	IP	14 04 46.4	-0.8
CHN4	Tsaushan	0.51 51	IP	14 04 39.2	-1.3
CHN4	Tsaushan	0.51 51	IP	14 04 46.5	-1.0
TWP	Hsiaoliuchiu	0.52 199	IP	14 04 44.3	+0.7
TWP	Hsiaoliuchiu	0.52 199	IP	14 04 55.8	+7.9
EAST	Anshuo	0.53 148	IP	14 04 41.5	+0.7
EAST	Anshuo	0.53 148	IP	14 04 49.3	+1.0
ELDTW	Lidau	0.56 51	IP	14 04 40.3	-1.0
TTW	Taitung	0.56 98	IP	14 04 47.5	-1.7
TTN	Taitung	0.56 98	IP	14 04 41.7	+0.4
TAW	Tawu	0.58 146	IP	14 04 51.0	+1.7
TAW	Tawu	0.58 146	IP	14 04 42.1	+0.6
CHN8	Yiju	0.59 329	IP	14 04 51.4	+1.8
CHN8	Yiju	0.59 329	IP	14 04 41.6	-0.2
CHN8	Yiju	0.59 329	IP	14 05 15.9	+1.5
CHY	Chiayi	0.67 351	IP	14 04 42.4	-0.6
CHY	Chiayi	0.67 351	IP	14 04 42.4	-0.6
CHN2	Minshiang	0.69 355	EP	14 04 52.0	0.0
CHN2	Minshiang	0.69 355	EP	14 04 43.1	-0.4
CHN2	Minshiang	0.69 355	EP	14 04 53.3	+0.5
YUS	Alishan	0.71 20	IP	14 04 42.7	-0.5
YUS	Yun-Shan	0.75 30	IP	14 04 48.5	-0.9
YUS	Yun-Shan	0.75 30	IP	14 04 54.2	-0.2
CHN5	Tsauling	0.77 91	IP	14 04 43.5	-1.2
CHKT	Chengkung	0.80 71	IP	14 04 44.9	-0.2
CHKT	Chengkung	0.80 71	IP	14 04 56.5	+0.7
WGK	Gukeng	0.84 1	EP	14 04 45.9	+0.3
WGK	Gukeng	0.84 1	EP	14 04 57.2	+0.2
HEN	Hengchun	0.85 168	IP	14 04 48.0	+2.3
HEN	Hengchun	0.85 168	IP	14 05 01.7	+4.6
WSF	Szhu	0.85 340	EP	14 04 45.3	-0.5
WSF	Szhu	0.85 340	EP	14 04 57.8	+0.5
TWF	Yuli	0.86 53	IP	14 04 56.2	-1.3
TTW1	Yuli	0.86 53	IP	14 04 56.2	-1.3
WDGT	Dungji	0.92 298	IP	14 04 46.5	-0.3
WDGT	Dungji	0.92 298	IP	14 04 59.5	+0.5
TWK1	Hengchun	0.92 165	IP	14 04 49.0	+2.1
TWK1	Hengchun	0.92 165	IP	14 04 49.0	+2.1
EHY	Hungye	0.98 47	IP	14 05 04.9	+0.7
EHY	Hungye	0.98 47	IP	14 05 04.9	+0.7
WNT	Mingjian	1.04 7	P	14 04 59.6	-1.0
WNT	Mingjian	1.04 7	P	14 04 48.4	-0.2
WTCT	Ta-ch'eng	1.05 347	EP	14 05 02.8	+0.6
WDT	Danda	1.06 31	EP	14 04 48.0	-0.7
WDT	Danda	1.06 31	EP	14 04 48.2	-0.6
TYC	Yuchr	1.10 15	EP	14 04 49.2	-0.2
TYC	Yuchr	1.10 15	EP	14 05 04.9	+1.2
PNG	Penghu	1.16 309	EP	14 04 49.6	-0.7
PNG	Penghu	1.16 309	EP	14 05 07.7	+0.5
LAY	Lan-yu	1.23 130	P	14 04 51.9	+0.7
LAY	Lan-yu	1.23 130	P	14 05 09.8	+2.9
ESL	Shilin	1.27 40	IP	14 04 52.2	+0.3
ESL	Shilin	1.27 40	IP	14 05 09.4	+1.4
TCU	Taichung	1.31 5	EP	14 04 52.5	0.0
TCU	Taichung	1.31 5	EP	14 05 09.0	0.0
WHF	Hehuan Shan	1.46 27	P	14 04 55.4	+0.9
WHF	Hehuan Shan	1.46 27	P	14 05 16.8	+4.0
HWA	Hwalien	1.50 40	IP	14 04 55.6	+0.6
HWA	Hwalien	1.50 40	IP	14 05 17.5	+3.7
TWQ1	Liyutan	1.52 8	EP	14 04 55.9	+0.5
TWQ1	Liyutan	1.52 22	EP	14 05 10.5	+1.2
TWT	Tachien	1.52 22	EP	14 05 15.5	+1.0
TWD	Chiawan	1.57 38	P	14 04 56.7	+0.6
TWD	Chiawan	1.57 38	P	14 05 16.8	+1.2
NSY	Sanyi	1.58 7	EP	14 04 56.7	+0.3
NMS	Nan Shan	1.77 25	EP	14 04 59.7	+0.7
NSTT	Nanjiang	1.83 13	EP	14 04 59.5	+0.3
NSA	Nanan	1.93 35	EP	14 05 01.9	+0.6
NSK	Sanguang	1.98 22	EP	14 05 02.2	+0.2
ENTT	Nioudou	2.02 27	EP	14 05 04.4	+1.7
ENTT	Nioudou	2.02 27	EP	14 05 30.3	+3.2
TWC	Suao	2.13 34	EP	14 05 05.1	+0.9
TWC	Suao	2.13 34	EP	14 05 08.9	+2.9
TWE	Neicheng	2.14 29	P	14 05 05.8	+1.5
TWE	Neicheng	2.14 29	P	14 05 33.4	+3.4
ILA	Ilan	2.21 30	EP	14 05 05.9	+0.5
TATO	Taipei	2.30 22	EP	14 05 09.3	+2.8
TATO	Taipei	2.30 22	EP	14 05 38.1	+7.8
TWA	Mucha	2.34 24	EP	14 05 10.4	+3.3
TAP	Taipei	2.36 22	EP	14 05 10.1	+2.6
TAP1	Taipei	2.37 22	EP	14 05 10.0	+2.4
TWS1	Kuangyinshan	2.39 19	EP	14 05 07.4	-0.5
KNM	Kinmen	2.49 310	EP	14 05 09.5	+0.7
NWF	Wu-fen Shan	2.50 27	EP	14 05 10.5	+1.2
TWB1	Santiao Chiao	2.53 31	EP	14 05 10.8	+0.8
TWY	Chenhua	2.61 21	EP	14 05 13.3	+2.3
OZH	Quanzhou	2.75 320	P	14 05 11.8	-1.3
OZH	Quanzhou	2.75 320	P	14 05 43.6	-2.1
OZH	Quanzhou	2.75 320	P	14 05 09.3	+2.8
OZH	Quanzhou	2.75 320	P	14 05 38.1	+7.8
YOJ	Yonaguni jima	2.78 54	P	14 05 14.0	+0.5
YOJ	Yonaguni jima	2.78 54	P	14 05 37.9	+1.6
HATJ	Hateruma jima	3.23 67	P	14 05 19.7	-0.1
HATJ	Hateruma jima	3.23 67	P	14 05 37.7	-4.1
IRIF	Iriomote-Funau	3.28 62	P	14 05 20.8	+0.3
IRIF	Iriomote-Funau	3.28 62	P	14 05 59.9	+0.9
JKRS	Kuro-shima	3.47 65	EP	14 05 23.4	+0.1
JKRS	Kuro-shima	3.47 65	EP	14 05 04.5	+0.4
JIJ	Ishigaki jima	3.63 66	P	14 05 25.0	-0.6
JIJ	Ishigaki jima	3.63 66	P	14 06 06.3	-1.6
JJT	Tarama	4.21 64	P	14 05 33.0	-0.8
JJT	Tarama	4.21 64	P	14 05 22.0	-0.6
JMJ	Miyako jima 2	4.78 65	P	14 05 41.2	-0.5
JMJ	Miyako jima 2	4.78 65	P	14 06 35.4	-1.4
JOGS	Gusukube	4.85 66	P	14 05 42.4	-0.4
JOGS	Gusukube	4.85 66	P	14 06 38.3	-0.3
JKE	Kume jima 2	6.66 57	P	14 06 06.0	-2.3
JOW	Kunigami	6.07 59	P	14 06 24.0	+0.4
JOW	Kunigami	6.07 59	P	14 06 37.7	-4.1
JOW	Kunigami	6.07 59	P	14 06 51.9	+0.8
NJ2	Nanjing	9.30 351	EP	14 06 51.1	+0.5
NJ2	Nanjing	9.30 351	EP	14 06 37.7	-4.1
NJ2	Nanjing	9.30 351	EP	14 06 45.9	+0.8
NJ2	Nanjing	9.30 351	EP	14 06 51.1	+0.5
NJ2	Nanjing	9.30 351	EP	14 08 31.4	+1.7
NJ2	Nanjing	9.30 351	EP	14 08 31.4	+1.7

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
NJ2	Nanjing	9.30 351	EP	14 06 51.1	+0.5
NJ2	Nanjing	9.30 351	EP	14 06 37.7	-4.1
NJ2	Nanjing	9.30 351	EP	14 06 45.9	+0.8
NJ2	Nanjing	9.30 351	EP	14 06 51.1	+0.5
NJ2	Nanjing	9.30 351	EP	14 08 31.4	+1.7
NJ2	Nanjing	9.30 351	EP	14 08 31.4	+1.7

**CASC 23 14:16:15.7 ± 1.8, 22.55N, 88.04W, h36km, 763km, MD3.5, ML3.2, 2C-1D, Off coast of Central America**

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
CNCH	Conchagua	0.75 161	EP	14 16 30.6	+0.7
CNCH	Conchagua	0.75 161	EP	14 16 41.3	+1.0
BLLM	San Miguel	0.91 346	EP	14 16 33.0	+1.0
VSM	Bellmira	0.91 346	EP	14 16 33.0	+0.9
VSM	Bellmira	0.91 346	EP	14 16 44.9	+0.6
CRIN	San Cristobal	0.98 81	EP	14 16 34.0	+0.9
CRIN	San Cristobal	0.98 81	EP	14 16 47.6	+1.5
PYN	Poneloya	1.01 99	EP	14 16 33.6	+0.1
PYN	Poneloya	1.01 99	EP	14 16 46.3	-0.5
LEON	Leon	1.13 96	EP	14 16 35.0	-0.2
LEON	Leon	1.13 96	EP	14 16 35.0	-0.2
TEL3	Telica 3	1.17 89	EP	14 16 39.9	+0.1
TEL3	Telica 3	1.17 89	EP	14 16 50.9	+0.1
TEL3	Telica 3	1.17 89	EP	14 16 36.0	0.0
TELU	Telica	1.18 87	EP	14 16 50.2	-1.0
TELU	Telica	1.18 87	EP	14 16 37.2	+0.6
CAHU	Cacacuatiague	1.23 352	EP	14 16 37.2	+0.6
SNVI	San Vicente	1.31 324	EP	14 16 54.1	-0.3
SNVI	San Vicente	1.31 324	EP	14 16 39.9	+0.3
LCBS	La Ceiba	1.43 321	EP	14 16 57.1	-0.3
LCBS	La Ceiba	1.43 321	EP	14 16 40.1	+0.1
LFBS	El Faro	1.46 317	EP	14 16 57.5	+0.7
LFBS	El Faro	1.46 317	EP	14 16 39.7	-0.3
COPN	Copaltepe	1.46 104	EP	14 16 57.2	-1.1
COPN	Copaltepe	1.46 104	EP	14 16 40.7	-2.3
PICS	Picacho	1.67 315	EP	14 17 04.5	+1.0
PICS	Picacho	1.67 315	EP	14 16 43.7	+0.5
BOQS	Boqueron	1.69 315	EP	14 16 40.4	-0.8
BOQS	Boqueron	1.69 315	EP	14 16 40.4	-0.8
MGAN	Maganagua	1.80 103	EP	14 17 09.2	+2.5
MGAN	Maganagua	1.80 103	EP	14 16 45.3	+0.7
MGAN	Maganagua	1.80 103	EP	14 17 02.2	-0.5
MGAN	Maganagua	1.80 103	EP	14 16 42.6	-0.6
MGAN	Maganagua	1.80 103	EP	14 17 01.1	-0.1
MGAN	Maganagua	1.80 103	EP	14 17 02.2	-0.5
TICN	Ticuantepete	1.84 106	EP	14 17 02.2	-0.5
TICN	Ticuantepete	1.84 106	EP	14 16 42.6	-0.6
PYTN	Playitas	1.94 90	EP	14 16 40.1	-0.1
PYTN	Playitas	1.94 90	EP	14 16 40.1	-0.1

**NNC 23 14:52:02.9 ± 6.0, 39.79N, 68.96E, mpv2.8, 3C, Error ellipse: s-maj=55.2km s-min=23.1km az=18.0**

Code	Station Name	Δ° AZ°	Phase ID
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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAR, STKA, MKAR.

IDC 23 16:23.7±15.0, 22.61S-67.58E, mb3.5/3, mb1 3.7/3, mb1mx3.5/15, Error ellipse: s-maj=487.0km s-min=39.1km az=54.0, Mid-Indian Ridge

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

IDC 23 16:17:03.6±21.0, 22.69S-67.53E, mb3.5/3, mb1 3.7/3, mb1mx3.5/15, Error ellipse: s-maj=595.0km s-min=40.7km az=55.0, Mid-Indian Ridge

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

KNET 23 16:39:34.0±4.2, 65N-74.88E, h13km, 2km, ml2.5, Error ellipse: s-maj=1.9km s-min=1.4km az=166.0

NNC 23 16:39:36.8±7.4, 03.7N-74.97E, mpv2.9, Error ellipse: s-maj=119.6km s-min=17.2km az=163.0

ISC 23 16:39:34.0±4.2, 65.0N-74.88E±0.03, h8km, 4km, n12, ±0.34/24, 9C-8D, Kyrgyzstan

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KBK, AAK, CHMS, UCH, TMK2, USP, KZA, EKS2, AML, UHLH, KK31, MK31.

LDG 23 16:56:46.8±0.2, 17.72S±168.08E, h10km, Mb4.1/2, Error ellipse: s-maj=26.0km s-min=3.0km az=102.0

IDC 23 16:56:46.8±0.2, 17.73S±167.77E, mb4.2/1, mb1 4.3/11, mb1mx4.2/17, MS3.7/6, MS1.3/7.6, ms1mx3.4/21, Error ellipse: s-maj=24.4km s-min=23.6km az=129.0

NEIC 23 16:56:47.8±0.5, 17.68S±167.80E, h10km, mb4.6/4, Error ellipse: s-maj=15.3km s-min=14.1km az=170.0

ISC 23 16:56:50.6±4.3, 17.99S±0.07±167.5E±0.1, h25km, 30km, n64, ±0.90/35, mb4.2/13, MS3.7/6, 5C-1D, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM, NOUC, CTA, WRA, ASAR, FITZ, NWAO, CBJJ, SBA, FX1, CMAR, ULN, SONM, ILAR, SNA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SNA, VNA3, VNA2, VNA1, TXAR, ARCES, FINES, GIVF, BDF, HAU, HNF, MEZF, CABF, FLN, LOR, LDF, SSF, LPL, LPG, SMF, AVF, BNGI, BGF, MBDF, ORIF, SBF, TCF, PGF, MFF, LMR, RJF, LFF.

NEIC 23 17:02:27.8±1.0, 17.30S±168.81E, h10km, Error ellipse: s-maj=37.3km s-min=27.9km az=60.0

LDG 23 17:02:30.0±0.2, 17.47S±166.89E, h10km, Mb4.2/2, Error ellipse: s-maj=26.6km s-min=3.2km az=89.0

ISC 23 17:02:26.7±1.6, 17.30S±168.7E±0.3, h10km, n22, ±0.13/4, mb4.3/2, 3C, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRAB, QSPA, ULN, SNA, CDF, FLN, LDF, LOR, SSF, LPL, LPG, ROSF, BGF, ORIF, TCF, MFF, PGF, SRF, MFR, LMR, MTLF.

IDC 23 17:03:04.1±1.7, 5.71S-130.86E, mb3.3/1, mb1 4.1/5, mb1mx3.9/12, ML3.9/3, MS3.3/1, MS1 3.3/1, ms1mx2.6/13, Error ellipse: s-maj=88.2km s-min=24.5km az=80.0, Banda Sea

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

DJA 23 17:05:45.3±0.3, 8.39S±115.19E, h30km, MD4.7/4, ML3.4/1, 3C-5D, Error ellipse: s-maj=30.8km s-min=12.2km az=11.0, Bali region

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

NEIC 23 17:08:00.35, 40N, 140.40E, h53km, Mw3.8 Best double couple: M6.15x10^14 NP1: 0.5°, 869°, λ 103°. NP2: 0.153°, 625°, λ 60°.

JMA 23 17:08:42.8±0.1, 35.41N±140.38E, h58km, 2km, M3.2 Broadband fault plane solution: P waves, NP1: 0.19°, 823°, λ 107°. NP2: 0.354°, 668°, λ 83°. Principal axes: T P166°, Azm252°; N P166°, Azm356°; P P163°, Azm89°; JMA Feb 11, 1997.

IDC 23 17:08:42.6±3.0, 35.29N±140.39E, h51km±26km, mb3.4/8, mb1 3.7/10, mb1mx3.5/23, ML4.1/2, Error ellipse: s-maj=33.7km s-min=16.0km az=80.0

NEIC 23 17:08:44.1±1.8, 35.28N±140.24E, h64km±14km, Error ellipse: s-maj=23.5km s-min=11.4km az=81.0

ISC 23 17:08:42.0±4.0, 35.32N±140.04E, h67km±3km, n31, ±0.69/41, mb3.6/9, 6C-6D, Near east coast of

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like eastern Honshu, JCN, KTR, BSO4, BSO3, CHJO, JMO2, JIM2, JOD2, JAD2, JIZS, JRYJ, MAJO, MAT, MAT, JAT, JHJ, CBJJ, ENH, SONM, MKAR, KURK, ZRNK, FITZ, WRAB, WRA, YKA, YKA, FINES, NB2, NOA.

DJA 23 17:52:08.2±0.9, 8.87S±114.56E, h30km±7km, MD5.4/4, ML3.4/2, 3C-5D, Error ellipse: s-maj=30.6km s-min=11.5km az=22.0, Bali region

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

NEIC 23 18:04:41.0, 15.44N±94.15W, h12km, MD4.0 (MEX), After MEX

MEX 23 18:04:41.0±1.3, 15.44N±94.15W, h12km±34km, MD4.0, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMIG, CMIG, SCX, CCIG, CCIG, OXX, OXX.

NEIC 23 18:05:25.8±1.4, 50.38N±18.94E, h5km, MG2.1 (WAR), Error ellipse: s-maj=20.4km s-min=8.4km az=176.0

WAR 23 18:05:26.2±50.35N±18.95E, h1km, Location given by Central Institute of Mining, origin time based upon OJC

PRU 23 18:08:26.0, 50.43N±18.87E, Error ellipse: s-maj=18.87E±0.04, n13, ±0.11/22, Poland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OJC, OJC, OJC, OJC, MORC, NIE, NIE, NIE, DPC, KSP, KSP, UPC, VYHS, VYHS, CVRS, PRU, KHC.

NNC 23 18:13:38.2±2.3, 37.69N±70.30E, mpv3.1, Error ellipse: s-maj=24.3km s-min=16.6km az=106.0

ISC 23 18:13:38.8±3.9, 37.7N±70.3±71.8E±0.4, h199km±50km, n8, ±0.41/10, 1C-2D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AML, UCH, KZA, EKS2, AAK, KK31, TKM2, AB31, AB31.

ROM 23 18:19:03.9±0.2, 41.50N±13.90E, h6km±1km, MD3.1/1, ML2.4/5, Error ellipse: s-maj=1.4km s-min=1.1km az=90.0

NEIC 23 18:19:04.0, 41.50N±13.90E, h6km, MD3.1 (ROM), Error ellipse: s-maj=1.4km s-min=1.1km az=90.0



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

MOS 23 19:33:45.8, 0.4, 55.04N, 162.86E, h49km, mb4.0, Error ellipse: s-maj=39.0km s-min=15.7km az=70.8

KRSC 23 19:33:46.5, 0.8, 55.07N, 162.66E, h62km, mb3.6, ML4.1, Error ellipse: s-maj=39.0km s-min=15.7km az=70.8

ASAR Alice Springs 92.57 115 P P 19 39 16.0 -0.3

Code Station Name Az Az' Phase ID Time Res h m s ISC

Main table of station data for the left column, including stations like Mys Kozlova, Krutoberegovo, Zelenaya, etc.

Table of station data for the middle column, including stations like Kurchatov, Karatay Arr, Zalesovo, etc.

WEL 23 20:46:15.0, 0.3, 38.04S, 176.21E, h178km, 2km, ML3.7/3, Error ellipse: s-maj=2.7km s-min=2.3km az=0.0, North Island

Table of station data for the middle column, including stations like Urewera, Matawai, Maungakau, etc.

WAR 23 20:50:54.2, 0.5, 36.6N, 18.86E, h1km, Location given by Central Institute of Mining, origin time based upon OJC

PRU 23 20:50:55.7, 0.5, 24.4N, 18.80E, Error ellipse: s-maj=18.8km s-min=9.4km az=188.0

Table of station data for the middle column, including stations like Raciborz, Ojcow, Moravsky Berou, etc.

Table of station data for the right column, including stations like Kasperke Hory, Ithomi, Kithira, etc.

IDC 23 21:01:34.5, 4.0, 2.88S, 128.44E, h94km, 38km, mb3.5/2, s-maj=3.8km mb1mx3.6/1.5, Error ellipse: s-maj=85.1km s-min=14.8km az=73.0, Ceram Sea

Table of station data for the right column, including stations like Fitzroy Crossi, Warramunga Arr, Alice Springs, etc.

NEIC 23 21:11:49.7, 0.6, 43.77N, 105.27W, ML3.5, Error ellipse: s-maj=8.6km s-min=6.1km az=172.0, Suspected Mining explosion

NEIC 60 km [40 miles] SSE of Gillette, IDC 23 21:11:50.7, 3.2, 43.69N, 105.36W, h22km, 16km, mb3.9/2, s-maj=3.9km mb1mx3.6/2.1, ML3.9/4, Error ellipse: s-maj=56.9km s-min=9.4km az=147.0

IDC 23 21:11:46.8, 0.5, 43.82N, 0.04, 105.16W, 0.06, n37, 124/4/4, mb4.0/2, 1C, Wyoming

Main table of station data for the right column, including stations like Black Hills, Boulder Array, Pineedale Array, etc.



















Table with columns for flight codes (FITZ, SBA, SBA, etc.), destinations (Scott Base, Kellerberrin, etc.), times, and status indicators (S, P, LR, etc.).

Table with columns for flight codes (PFO, PFO, CMB, etc.), destinations (Pinyon Flat Ob, Columbia Colle, etc.), times, and status indicators (P, LR, etc.).

Table with columns for flight codes (WVOR, WVOR, BWV, etc.), destinations (Wild Horse Val, Boisfort Moun, etc.), times, and status indicators (P, LR, etc.).



Table with columns: HLID, Name, Time, Date, Status, and other details. Includes entries for Hailey, Jordanelle, Daniels Canyon, Palmer, Wuhan, etc.

Table with columns: SEY, Name, Time, Date, Status, and other details. Includes entries for Holter Researc, Junction City, Idaho Springs, Waterton Lakes, etc.

Table with columns: CMAR, Name, Time, Date, Status, and other details. Includes entries for Chiang Mai Arr, Baotou, Chengdu, Yaktusk, etc.

















Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MOX, VYHS, PRU, WTSB, MLCR, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like NJ2, SSE, MDJ, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MOD, VNA3, VNA2, etc.

ISK 24 12:02:08.2, 38.58N-27.01E, h10km, MD3.2
ATH 24 12:02:08.0, 38.54N-27.13E, h44km, MD3.3
ISC 24 12:02:08.1, 0.8, 38.59N-0.0, 26.97E-0.04, h3km, g6km, n20, 089/29/1, Aegean Sea





24d 15h

Table with columns for station code, name, coordinates, and various data points. Includes stations like HYB Hyderabad, GOF Gofitskoye, KIV Kislovodsk, etc.

2004 APR

Table with columns for station code, name, coordinates, and various data points. Includes stations like NJ2, DPC Dobruska-Polom, ARCES ARCESS Array B, etc.

568

Table with columns for station code, name, coordinates, and various data points. Includes stations like HINF Hinterfeld, HAU Haudompre, SBF Sospel, etc.

DHMR 24 15:09:06.7-1.8, 13.92N, 42.83E, h16km, 11km, ML3.5, IC-2D, Ethiopia. Code Station Name Az Az' Phase ID Time Res. Includes a list of station codes and names with associated data.





24d 17h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like FIN, ROB, BOB, ORO, etc.

2004 APR

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

570

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



Table with columns for station name, frequency, power, and other technical details. Includes stations like GTA, NAKHON SAWAN, YAKUTSK, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like IMA, KBK, CHMS, USP, AAK, UCH, HYB, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like MOR8, MOI RANA, HRY, SOC, etc.

NEIC 24 19:02:35.9:0.4, 0.07N: 123.22E, mb4.4/8, Error ellipse: s-maj=22.3km s-min=7.1km az=63.0...

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

NIED 24 19:08:00, 24.40N, 127.20E, h8km, Mw3.9 Best double couple: M7.3x10^14 N P1.2x231°, δ61°, λ-95°. NP2.0x62°, δ29°, λ-81°

IDC 24 19:08:20.0, 24.23N, 127.34E, mb3.8/8, mb1 3.9/10, mb1mx3.7/22, ML3.9/2, MS2.7/1, Ms1 2.7/1, ms1mx2.4/21, Error ellipse: s-maj=37.7km s-min=16.5km az=78.0

JMA 24 19:08:24.0, 24.37N, 127.16E, h6.7km, M3.7, ISC 24 19:08:21.8, 24.31N, 127.22E, 0.04, h25km, 12km, n34, c110/53, mb3.7/8, Southeast of Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JOGS Gusukube, JMG Miyako jima 2, JTT2 Tamagusuku 2, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JTN Tanegashima, JNU Nakatsu, JMKAR Makanchi Arr, etc.

IDC 24 19:14:58.6, 1.0, 14.69Sx72.79W, mb3.8/4, mb1 4.0/6, mb1mx3.8/16, ML2.8/1, MS3.3/4, Ms1 3.3/4, ms1mx3.1/19, Error ellipse: s-maj=39.8km s-min=20.5km az=59.0

NEIC 24 19:15:04.2, 14.76S, 72.7W, h38km, 22km, mb3.9/1, Error ellipse: s-maj=29.9km s-min=19.1km az=96.0

ISC 24 19:15:02.4, 0.9, 14.70S, 0.09, 72.8W, 0.1, h38km, n16, c110/113, mb3.7/5, MS3.6/1, Central Peru

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ARE Arequipa, LAPAZ La Paz, LPZAZ La Paz, etc.

MAN 24 19:18:47.2, 9.40N, 125.91E, h1km, mb3.7, ML2.4, MS1.9, Mindanao

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

TAP 24 19:26:02.2, 23.95N, 121.47E, h16km, ML3.8, TAP Fell II J at Hualien, III J at Shilin, II J at Chiawan, III J at Huanhsan, I J at Nanshan, II J at Nanau.

JMA 24 19:26:02.0, 23.92N, 121.45E, h79km, M2.8, ISC 24 19:26:01.9, 23.93N, 121.45E, 0.02, h20km, 3km, n60, c083/86, 13C-4D, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like HWA Hualien, HWA Shilin, TWL Chiawan, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like HWA Hualien, HWA Shilin, TWL Chiawan, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TWY Chenhua, CHN8 Yifu, CHN3 Shinhua, etc.

IDC 24 19:27:37.8, 1.4, 49.74N, 29.03W, mb3.4/7, mb1 3.7/7, mb1mx3.6/23, MS3.2/4, Ms1 3.2/4, ms1mx2.9/21, Error ellipse: s-maj=55.4km s-min=22.4km az=8.0

NEIC 24 19:27:40.0, 0.6, 50.05N, 28.88W, h10km, mb3.9/10, Error ellipse: s-maj=29.7km s-min=6.2km az=191.0

ISC 24 19:27:37.9, 0.8, 49.9N, 0.3, 28.9W, 0.1, h10km, n26, c093/22, mb3.7/13, MS3.1/4, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MFF Saint Martin d, ESDC Sonseca Array, RJF Les Rejaudoux, etc.

GUC 24 19:33:40.5, 1.1, 26.57S, 70.49W, h45km, ML4.3, NEIC 24 19:33:40.5, 26.57S, 70.49W, h45km, After GUC, NEIC Fell [III] at Chanaral.

ISC 24 19:33:40.9, 0.8, 26.61S, 0.04, 70.6W, 0.3, h62km, 22km, n6, c078/11, 1C-2D, Near coast of northern Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like CPCH Copiapo, VACH Vallenar, CPCH Copiapo, etc.

MDD 24 20:02:16.2, 1.5, 36.09N, 6.38W, h5km, 5km, mb2.9/6, Error ellipse: s-maj=8.2km s-min=4.8km az=34.0, PAXIMO GIBL II CHICLANA DE LA FRONTERA

MDD EMS: II CONIL DE LA FRONTERA PUERTO DE SANTA ANA

NEIC 24 20:02:16.9, 36.23N, 6.31W, M1.8, (MDD), After MDD, NEIC Fell [II] at Chianaral de la Frontera, Conil de la Frontera and El Puerto de Santa Maria, Spain.

LDG 24 20:02:20.5, 0.7, 36.14N, 6.19W, h30km, M2.7/1, Error ellipse: s-maj=17.6km s-min=7.2km az=1.0

ISC 24 20:02:12.8, 1.1, 36.02N, 0.05, 6.43W, 0.04, h2km, 4km, n33, c1943/50, 3D, Strait of Gibraltar

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like CNIL Conil, CNIL Conil, SFS San Fernando, etc.











Table with columns: SAO, San Andreas Ge, 66.03 352, PFAKE, LR, LR, 23 30 10.0 +12. Includes stations like Lakeview Retre, Tunstgen Hills, Neumayer Olymp, etc.

Table with columns: LON, Longmire, 75.94 353, eP, P, 23 30 57.1 -0.9. Includes stations like BB Station, Standing Stone, Millersville, etc.

Table with columns: SSE, comp=E, 93nm, 22.4s, MS4.8, LR, LR. Includes stations like Nanjing, Muntele Rosu, Malin Array Ba, etc.



Table with 4 columns: PVRL, Vila Real, BRGR, Braganca, and values for 6.93 337 ePn, 7.14 344 ePn, P, and 02 11 35.3 -0.8, 02 11 38.8 -0.3

BUI 25 02:19:19.8, 21.60S:170.12E, h9km, mb5.7, mb5.3, Ms5.7, Ms2.4
LDG 25 02:19:20.9, 0.3, 21.60S:169.73E, h10km, Mb5.5/4, Ms5.6/8, Error ellipse: s-maj=28.2km s-min=6.5km

ISC 25 02:19:19.7±1.6, 21.76S±0.04, 169.58E±0.04, h4km±9km, h1km±2.2km: p-P, n596, s124/156, mb5.2/66, MS5.7/147, 39C-26D, Southeast of Loyalty Islands

Main table on the left side containing station codes (DZM, NOUC, EKM, URZ, etc.), station names, and various data points including coordinates, times, and amplitudes.

Main table in the middle containing station codes (MIR, MAJO, MAT, etc.), station names, and various data points including coordinates, times, and amplitudes.

Main table on the right side containing station codes (MDJ, MAW, MSA, etc.), station names, and various data points including coordinates, times, and amplitudes.







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

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

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

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

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

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

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

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

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

25 5h 3h
25 549.1 +1.3
02 55 25.3 -1.0

25 5h 3h
02 55 31.5 +3.0
02 55 50.0 +4.0
02 55 52.9 +0.5

25 5h 3h
02 55 37.1 +0.5
02 55 36.9 +0.3
02 55 37.1 +0.5
02 55 37.4 +0.1
02 55 37.4 +0.1
02 55 41.2 -0.1

25 5h 3h
02 55 37.1 +0.5
02 55 37.4 +0.1
02 55 37.4 +0.1
02 55 41.2 -0.1

25 5h 3h
02 55 37.1 +0.5
02 55 37.4 +0.1
02 55 37.4 +0.1
02 55 41.2 -0.1

25 5h 3h
02 55 37.1 +0.5
02 55 37.4 +0.1
02 55 37.4 +0.1
02 55 41.2 -0.1

25 5h 3h
02 55 37.1 +0.5
02 55 37.4 +0.1
02 55 37.4 +0.1
02 55 41.2 -0.1

25 5h 3h
02 55 37.1 +0.5
02 55 37.4 +0.1
02 55 37.4 +0.1
02 55 41.2 -0.1

25 5h 3h
02 55 37.1 +0.5
02 55 37.4 +0.1
02 55 37.4 +0.1
02 55 41.2 -0.1

25 5h 3h
02 55 37.1 +0.5
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02 55 37.4 +0.1
02 55 41.2 -0.1

25 5h 3h
02 55 37.1 +0.5
02 55 37.4 +0.1
02 55 37.4 +0.1
02 55 41.2 -0.1

25 5h 3h
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02 55 37.4 +0.1
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02 55 41.2 -0.1

25 5h 3h
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25 5h 3h
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02 55 41.2 -0.1

25 5h 3h
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02 55 41.2 -0.1

25 5h 3h
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02 55 41.2 -0.1

25 5h 3h
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02 55 37.4 +0.1
02 55 41.2 -0.1

25 5h 3h
02 55 37.1 +0.5
02 55 37.4 +0.1
02 55 37.4 +0.1
02 55 41.2 -0.1

Table with columns: EADA, Adamuz, 4.00 55 P, P, 03 12 03.6 +0.2, etc.

MEX 25 03:11:28.8-0.9, 16.05N-98.22W, h20km, 20km, MD3.8

NEIC 25 03:11:28.8, 16.05N-98.22W, h20km, MD3.8(MEX), After MEX.

ISC 25 03:11:26.0-2.7, 15.9N-0.1x98.1W-0.1, h20km, n5,

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC

GUC 25 03:17:54.9-0.7, 31.57S-68.90W, h148km, MD3.5, ML2.7, San Juan Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC

IDC 25 03:18:07.9-2.3, 23.38S-179.86E, h549km, 25km, mb3.3/8, mb1 3.6/9, mb1mx3.5/15, Error ellipse: s-maj=26.6km

NEIC 25 03:18:13.8-3.1, 23.54S-179.74E, h627km, 38km, mb3.9/3, Error ellipse: s-maj=17.3km s-min=15.3km az=57.0

ISC 25 03:18:07.3-2.4, 23.6S-0.1x179.9E-0.1, h558km, 30km, n23, c0578/22, mb4.0/12, 1D, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC

JMA 25 03:42:41.3-0.1, 39.40N-143.40E, h51km, M3.6

ISC 25 03:42:40.5-1.2, 39.44N-0.0x143.4E-0.1, h66km, 27km, n14, c0584/27, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC

INMG 25 04:08:06.7-0.9, 34.90N-4.01W, ML2.3, Error ellipse:

s-maj=6.3km s-min=3.1km az=6.0 NEIC 25 04:08:07.0, 34.91N-4.00W, MG3.4(MDD), After MDD.

MDD 25 04:08:08.2-0.9, 35.20N-4.10W, mb3.4/8, Error ellipse: s-maj=8.0km s-min=3.1km az=18.0, PRXIMO

After shock PLICA ISC 25 04:08:08.5-1.0, 35.16N-0.0x4.07W-0.0, h14km, 7km, n52, c0990/82, Strait of Gibraltar

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC

IDC 25 04:15:16.6-1.2, 41.28N-74.89E, mb3.6/7, mb1 3.8/9, mb1mx3.7/20, ML3.3/2, Error ellipse: s-maj=20.7km

s-min=17.3km az=33.0 KNET 25 04:15:18.4-0.8, 41.38N-74.88E, h17km, km3.5, Error

ellipse: s-maj=9.6km s-min=2.6km az=166.0 NEIC 25 04:15:18.6-1.0, 41.41N-74.87E, h10km, mb3.9/1, Error

ellipse: s-maj=18.2km s-min=15.0km az=201.0 MOS 25 04:15:20.4-2.4, 41.33N-74.96E, h33km, mb4.2/3, Error

ellipse: s-maj=20.7km s-min=12.4km az=102.8 NNC 25 04:15:21.4-3.1, 41.81N-74.81E, mpv4.0, Error ellipse:

s-maj=39.1km s-min=9.3km az=173.0 BUI 25 04:15:26.1, 41.42N-75.13E, h10km, ML3.7

ISC 25 04:15:16.0-1.2, 41.46N-0.0x74.91E-0.0, h1km, 7km, n40, c0994/52, mb3.5/7, 14C-7D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC

KBK Karagaybulak 1.20 1 P Pb 04 15 39.5 +0.3

AAK Ala-Archa 1.22 345 P Pb 04 15 39.7 +0.2

ULHL Erkin-Say 1.27 51 P Pb 04 15 40.5 +0.2

CHMS Chumysh 1.54 356 P Pb 04 15 45.5 +0.8

USP Oshpenovka 1.83 351 P Pb 04 15 50.8 +1.9

KSH Kashi 2.10 157 P Pb 04 16 00.3 +7.5

KK31 Karatay Array 3.66 298 P Pb 04 16 23.5 -5.5

KKAR Karatay Array 3.66 298 P Pb 04 17 10.9

MK31 Makanchi Array 7.52 42 P Pb 04 17 09.2 -0.3

MKAR Makanchi Array 7.52 42 P Pb 04 17 21.0 -25

BVA0 Borovoye Array 11.97 347 P Pb 04 18 09.6 -1.1

BVAR Borovoye Array 11.97 347 P Pb 04 18 07.8 -2.9

BRVK Borovoye 12.02 346 P Pb 04 18 09.4 -2.0

ZRNK Zerenda 12.17 343 P Pb 04 18 11.6 -1.8

NVS Novosibirsk 14.48 20 P Pb 04 18 49.9 +6.0

SVE Sverdlovsk 17.93 334 P Pb 04 19 18.8 -3.0

FINES FINESS Array B 35.30 321 P Pb 04 22 14.2 +0.1

ARCES ARCESS Array B 37.87 334 P Pb 04 22 36.2 +0.4

TIXI Tiksi 40.07 23 P Pb 04 22 56.7 -0.1

NOA NORARS Array B 42.41 320 P Pb 04 23 13.4 +0.1

GERES GERRS Array B 42.75 301 P Pb 04 23 17.1 +0.8

YKA Yellowknife Ar 76.12 5 P Pb 04 27 05.8 -0.7

WRA Warramunga Arr 82.18 125 P Pb 04 27 38.8 -1.4

AML Almayashu 4.08 30 P Pb 04 21 23.9 -0.1

UJCH Uchtor 4.51 36 P Pb 04 21 29.9 +1.8

KK31 Karatay Array 4.51 356 P Pb 04 22 23.7 0.0

EKS2 Erkin-Say 4.57 27 P Pb 04 21 31.5 +0.5

KZA Kyzart 4.75 42 P Pb 04 21 32.6 -1.0

AAK Ala-Archa 4.82 32 P Pb 04 21 34.9 +0.3

KBK Karagaybulak 5.04 35 P Pb 04 21 39.9 +2.3

CHMS Chumysh 5.23 32 P Pb 04 21 39.6 -0.7

USP Oshpenovka 5.36 29 P Pb 04 21 41.8 -0.3

ULHL Ulahoh 5.41 46 P Pb 04 21 43.0 +0.2

TKM2 Tokmak 2 5.55 38 P Pb 04 21 44.9 +0.1

MKAR Makanchi Array 11.65 42 P Pb 04 23 10.0 +0.5

AB31 Akbulak array 13.28 327 P Pb 04 23 30.0 -1.2

BVAR Borovoye Array 14.43 359 P Pb 04 25 54.6 -8.0

SONM Sonm 17.93 334 P Pb 04 26 04.9 -0.9

FINES FINESS Array B 35.75 325 P Pb 04 27 22.5 +1.5

ARCES ARCESS Array B 39.20 337 P Pb 04 27 49.8 -0.2

YKA Yellowknife Ar 79.14 3 P Pb 04 32 26.4 +0.2

WRA Warramunga Arr 83.01 122 P Pb 04 32 48.0 0.0

WEL 25 03:50:58.1-0.1, 42.72S-171.74E, h7km, 1km, ML3.5/8, 34C-10, Error ellipse: s-maj=1.2km s-min=1.0km az=90.0, South Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC





Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like WTTA Wattenberg, WATA Walderalm, SANKT Quirin, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like STA Charters Tower, CTCA Stephens Creek, ASAR Arcs Springs, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like ILAR Eielson Array, INK Inuvik, YKA Yellowknife, etc.

JMA 25 06:20:20.4-0.3, 33.50N-137.55E, h357km, 3km, M3.4

SOF 25 06:30:50.0, 40.50N-23.72E, h2km, MD2.7

BUI 25 07:29:31.3, 21.87S-169.96E, h12km, mB5.3, mb5.1

NEIC 25 06:20:20.7-0.8, 33.44N-137.53E, h340km, 7km, mb4.1/2

ATH 25 06:30:54.5, 40.67N-23.67E, h12km, M3.3/3

IDC 25 07:29:32.0, 21.87S-169.96E, mb4.8/19, mb1 4.9/20

ISC 25 06:20:20.7-0.4, 33.46N-137.50E, h353km, 2km, n48, r117/162, mb3.4/15, Near south coast of eastern

ISC 25 06:30:53.6-0.4, 40.64N-23.64E, h10km, 3km, n30, r110/48, 1C, Greece

SYO 25 07:29:33.6, 21.76S-169.68E, h10km, MB5.2, MS5.1

Main table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Lists various stations and their seismic data.

Main table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Lists various stations and their seismic data.

HRVD 25 07:29:33.6, 21.76S-169.68E, h10km, MB5.2, MS5.1

LDG 25 07:29:35.2, 20.95S-169.77E, h10km, MB5.2/4

MOS 25 07:29:34.2, 1.5, 21.47S-169.40E, h10km, mb5.3/6

ISC 25 07:29:32.5, 20.21, 21.81S-169.65E, 0.04, h10km, (h13km, 2km, P-P), n416, r116, r111/126, mb5.0/58

ISC 25 07:29:32.5, 20.21, 21.81S-169.65E, 0.04, h10km, (h13km, 2km, P-P), n416, r116, r111/126, mb5.0/58

ISC 25 07:29:32.5, 20.21, 21.81S-169.65E, 0.04, h10km, (h13km, 2km, P-P), n416, r116, r111/126, mb5.0/58

ISC 25 07:29:32.5, 20.21, 21.81S-169.65E, 0.04, h10km, (h13km, 2km, P-P), n416, r116, r111/126, mb5.0/58

ISC 25 07:29:32.5, 20.21, 21.81S-169.65E, 0.04, h10km, (h13km, 2km, P-P), n416, r116, r111/126, mb5.0/58

ISC 25 07:29:32.5, 20.21, 21.81S-169.65E, 0.04, h10km, (h13km, 2km, P-P), n416, r116, r111/126, mb5.0/58

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ISC 25 07:29:32.5, 20.21, 21.81S-169.65E, 0.04, h10km, (h13km, 2km, P-P), n416, r116, r111/126, mb5.0/58

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ISC 25 07:29:32.5, 20.21, 21.81S-169.65E, 0.04, h10km, (h13km, 2km, P-P), n416, r116, r111/126, mb5.0/58

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ISC 25 07:29:32.5, 20.21, 21.81S-169.65E, 0.04, h10km, (h13km, 2km, P-P), n416, r116, r111/126, mb5.0/58

ISC 25 07:29:32.5, 20.21, 21.81S-169.65E, 0.04, h10km, (h13km, 2km, P-P), n416, r116, r111/126, mb5.0/58

ISC 25 07:29:32.5, 20.21, 21.81S-169.65E, 0.04, h10km, (h13km, 2km, P-P), n416, r116, r111/126, mb5.0/58

ISC 25 07:29:32.5, 20.21, 21.81S-169.65E, 0.04, h10km, (h13km, 2km, P-P), n416, r116, r111/126, mb5.0/58

ISC 25 07:29:32.5, 20.21, 21.81S-169.65E, 0.04, h10km, (h13km, 2km, P-P), n416, r116, r111/126, mb5.0/58

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ISC 25 07:29:32.5, 20.21, 21.81S-169.65E, 0.04, h10km, (h13km, 2km, P-P), n416, r116, r111/126, mb5.0/58

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ISC 25 07:29:32.5, 20.21, 21.81S-169.65E, 0.04, h10km, (h13km, 2km, P-P), n416, r116, r111/126, mb5.0/58

ISC 25 07:29:32.5, 20.21, 21.81S-169.65E, 0.04, h10km, (h13km, 2km, P-P), n416, r116, r111/126, mb5.0/58

ISC 25 07:29:32.5, 20.21, 21.81S-169.65E, 0.04, h10km, (h13km, 2km, P-P), n416, r116, r111/126, mb5.0/58

ISC 25 07:29:32.5, 20.21, 21.81S-169.65E, 0.04, h10km, (h13km, 2km, P-P), n416, r116, r111/126, mb5.0/58

ISC 25 07:29:32.5, 20.21, 21.81S-169.65E, 0.04, h10km, (h13km, 2km, P-P), n416, r116, r111/126, mb5.0/58

ISC 25 07:29:32.5, 20.21, 21.81S-169.65E, 0.04, h10km, (h13km, 2km, P-P), n416, r116, r111/126, mb5.0/58

ISC 25 07:29:32.5, 20.21, 21.81S-169.65E, 0.04, h10km, (h13km, 2km, P-P), n416, r116, r111/126, mb5.0/58

ISC 25 07:29:32.5, 20.21, 21.81S-169.65E, 0.04, h10km, (h13km, 2km, P-P), n416, r116, r111/126, mb5.0/58

ISC 25 07:29:32.5, 20.21, 21.81S-169.65E, 0.04, h10km, (h13km, 2km, P-P), n416, r116, r111/126, mb5.0/58

ISC 25 07:29:32.5, 20.21, 21.81S-169.65E, 0.04, h10km, (h13km, 2km, P-P), n416, r116, r111/126, mb5.0/58

ISC 25 07:29:32.5, 20.21, 21.81S-169.65E, 0.04, h10km, (h13km, 2km, P-P), n416, r116, r111/126, mb5.0/58

ISC 25 07:29:32.5, 20.21, 21.81S-169.65E, 0.04, h10km, (h13km, 2km, P-P), n416, r116, r111/126, mb5.0/58







Table with columns: LFF, ESOC, DBIC, Dimbokoro, comp=Z, 36nm, 1.2s, La Freestone, 155.19 341, PKP/P, PKP/P, 07 49 35.8 +7.2, 07 50 20.2 +0.4, 07 49 50.0 +1.0

NEIC 25 07:45:40.6, 3.2, 52.13N, 170.26E, h20km, mb3.7/2, Error ellipse: s-maj=65.0km s-min=49.9km az=176.0

ISC 25 07:45:49.1-5.7, 52.3N, 0.4-171.1E, 0.7, h73km, 29km, n10, c0578/11, mb3.5/7, Near Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, FX1 Attu Island-F, 1.35 65, Op, ISC, 07 46 12.9 +0.1

LDG 25 07:46:44.2, 0.5, 2.1, 73S, 169.86E, h10km, Error ellipse: s-maj=57.0km s-min=5.0km az=163.0

ISC 25 07:46:49.0-2.4, 21.6S, 0.1-132.5E, 0.1, h42km, 20km, n38, c130/21, mb4.1/9, MS4.0/1, 1D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, DZM Mont Dzumac, 2.85 260, eS, S, 07 47 32.1 +1.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, CTOW Charters Tower, 33.58 262, Op, ISC, 08 16 50.2 +0.1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, WRA Warramunga Arr, 44.75 260, Op, ISC, 08 18 20.1 -0.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ASAR Alice Springs, 44.85 255, P, P, 08 18 21.4 0.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ASAR Alice Springs, 44.85 255, P, P, 08 18 21.4 0.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ASAR Alice Springs, 44.85 255, P, P, 08 18 21.4 0.0

NEIC 25 08:10:51.7, 1.0, 18.59S, 178.12W, h500km, Error ellipse: s-maj=32.4km s-min=23.1km az=152.0

ISC 25 08:10:53.0, 1.4, 18.40S, 178.29W, h500km, Error ellipse: s-maj=128.0km s-min=45.2km az=128.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, CTA Charters Tower, 33.58 262, Op, ISC, 08 16 50.2 +0.1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, WRA Warramunga Arr, 44.75 260, Op, ISC, 08 18 20.1 -0.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ASAR Alice Springs, 44.85 255, P, P, 08 18 21.4 0.0

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Table with columns: STKA Stephens Creek, 40.02 246, P, P, 08 27 36.6 +1.1

ATH 25 08:23:01.9, 39.37N, 20.64E, h38km, 5km, MD3.0/4, NEIC 25 08:23:01.9, 39.37N, 20.64E, h38km, MD3.0(ATH), After ATH

THE 25 08:23:02.8, 39.29N, 20.53E, h2km, ML2.8, ISC 25 08:23:02.8, 39.29N, 20.53E, h2km, ML2.8, n10, c0579/17, Greece-Albania border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, IGT Igoumenitsa, 0.27 330, eP, S, 08 23 08.4 +0.6

BUI 25 08:36:54.4, 1.0, 34N, 125.33E, h146km, mB4.8, mb4.6, MAN 25 08:36:55.6, 1.0, 69N, 125.35E, h116km, mB5.5, ML4.5, MS4.8

NEIC 25 08:36:55.0-3.0, 74N, 125.38E, mb4.7/16, Error ellipse: s-maj=9.8km s-min=6.9km az=65.0

ISC 25 08:36:55.6, 0.4, 0.71N, 125.46E, h120km, 3km, mb4.2/19, mb1.4, 3/21, mb1mx4.3/23, MS3.6/5, M1 3.6/5, ms1mx3.2/8, Error ellipse: s-maj=15.9km s-min=7.9km az=67.0

ISC 25 08:36:53.7, 0.3, 10.55N, 0.05, 125.34E, 0.05, h118km, h118km, 1.1km, pP, n95, c114/93, mb4.6/41, 5C-6D, Leyte

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, TGY Tagaytay City, 5.57 310, Op, ISC, 08 38 17.8 +2.4

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, KJM Kota Kinabalu, 10.08 2441, eP, S, 08 39 21.4 +4.9

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, QIZ Qiongzong, 17.18 301, P, P, 08 40 47.5 -0.4

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, SSE Sheshan, 20.80 350, P, P, 08 41 29.3 +2.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, NJS Nanjing, 22.22 345, eP, P, 08 41 43.0 +1.7

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, WHN Wuhan, 22.37 334, eP, P, 08 41 45.8 +3.1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, CHG Chiang Mai, 26.80 291, P, P, 08 42 24.8 +0.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, XAN Xi'an, 27.80 330, P, P, 08 42 32.0 -1.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, FITZ Fitzroy Cross, 28.47 179, eP, P, 08 42 40.4 +0.4

25 08 23

Table with columns: AS12 Alice Springs, 35.02 166, eP, P, 08 43 38.4 +1.5

Table with columns: ASAR Alice Springs, 35.02 166, P, P, 08 43 38.5 +1.6

Table with columns: ASAR Alice Springs, 35.02 166, P, P, 08 43 38.5 +1.6

Table with columns: ASAR Alice Springs, 35.02 166, P, P, 08 43 38.5 +1.6

Table with columns: ASAR Alice Springs, 35.02 166, P, P, 08 43 38.5 +1.6

Table with columns: ASAR Alice Springs, 35.02 166, P, P, 08 43 38.5 +1.6

Table with columns: ASAR Alice Springs, 35.02 166, P, P, 08 43 38.5 +1.6

Table with columns: ASAR Alice Springs, 35.02 166, P, P, 08 43 38.5 +1.6

Table with columns: ASAR Alice Springs, 35.02 166, P, P, 08 43 38.5 +1.6

Table with columns: ASAR Alice Springs, 35.02 166, P, P, 08 43 38.5 +1.6

Table with columns: ASAR Alice Springs, 35.02 166, P, P, 08 43 38.5 +1.6

Table with columns: ASAR Alice Springs, 35.02 166, P, P, 08 43 38.5 +1.6

Table with columns: ASAR Alice Springs, 35.02 166, P, P, 08 43 38.5 +1.6

Table with columns: ASAR Alice Springs, 35.02 166, P, P, 08 43 38.5 +1.6

Table with columns: ASAR Alice Springs, 35.02 166, P, P, 08 43 38.5 +1.6

Table with columns: ASAR Alice Springs, 35.02 166, P, P, 08 43 38.5 +1.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Paso Flores, Rio Carpintero, San Juan, Santo Domingo, etc.

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

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

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like PMAT Coroa da Mata, LFA Lagoa do Fogo, MESC Monte Escuro, etc.

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Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like MKAR Makanchi Array, LSZ Lusaka, SOMM Songino Array, etc.

25d 10h

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like YKA Yellowknife Ar, FINES Finess Array B, IDC 25 09:55:09.51, etc.



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

IDC 25 10:47:02.3.3.1, 17.40Sx173.00W, mb4.2/4, mb1 4.3/4, s-min=47.1km az=151.0, Tonga Islands

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SAPN Saipan, CBJI Chichi jima, JHU Hachijo jima, etc.

NIED 25 11:12:00, 29.70N, 141.60E, h59km, Mw3.9 Best double couple: M8.85x1014 NP1, 86°, 116°, 86°, 65°

JMA 25 11:12:21.3, 29.74N, 141.64E, h40km, M4.0 IDC 25 11:12:22.6, 5.9, 29.70N, 141.41E, h30km, 43km, mb3.7/12, mb1 3.9/15, mb1mx3.7/24, ML3.6/3, MS2.7/2, Ms1 2.7/2, ms1mx2.5/22, Error ellipse: s-maj=24.5km s-min=15.9km

NEIC 25 11:23:52.2, 29.58N, 141.48E, h41km, 20km, mb3.9/1, Error ellipse: s-maj=25.4km s-min=12.6km az=107.0

ISC 25 11:21:10.9, 29.65N, 0.05-112.6km, h34km, 9km, n37, t109/41, mb3.9/13, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CBJI Chichi jima, JHU Hachijo jima, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAT Kawachi, JFU Kawauchi, JNU Nakatsue, etc.

NEIC 25 11:24:05.9, 0.5, 5.48S, 106.06E, h150km, mb3.6/2, Error ellipse: s-maj=24.9km s-min=9.1km az=55.0

IDC 25 11:24:05.2, 9.4, 5.54S, 106.02E, h142km, 89km, mb3.5/9, mb1 3.6/9, mb1mx3.5/15, Error ellipse: s-maj=40.9km

ISC 25 11:24:04.0, 0.7, 5.55N, 1x106.0E, 0.2, h150km, n13, c086/13, mb3.7/11, 4.9a

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

ISC 25 11:46:20.1, 4.3707N, 0.07x28.36E, 0.05, h5km, n6, c073/12, Turkey

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

NEIC 25 11:51:34.8, 0.8, 20.94S, 67.57W, h178km, 8km, Error ellipse: s-maj=15.9km s-min=10.2km az=75.0

IDC 25 11:51:34.5, 0.9, 20.92S, 67.57W, h174km, 7km, mb3.7/7, mb1 3.8/12, mb1mx3.7/19, Error ellipse: s-maj=19.0km s-min=9.2km az=97.0

ISC 25 11:51:34.1, 0.7, 20.96S, 0.05-67.6W, 0.1, h186km, 7km, n21, t191/21, mb3.9/7, IC, Southern Bolivia

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

NIED 25 12:15:00, 30.30N, 138.00E, h500km, Mw4.3 Best double



couple: M3.5x10<sup>15</sup> NP1,φ<sub>42</sub>,δ90°,λ-130°. NP2:φ<sub>312</sub>,δ40°,λ0°.

JMA 25 12:15:21.5,0.2,30.33N-137.98E,h528km, M4.5  
 IDC 25 12:15:23.9,0.6,30.36N-137.67E,h488km,6km, mb3.9/22,  
 mb1.3/9.2,mb1mx3.8/34, Error ellipse: s-maj=11.3km  
 s-min=6.5km az=81.0

SYO 25 12:15:24.9,30.44N-137.63E,h502km, MB4.4  
 BUJ 25 12:15:24.2,30.30N-137.59E,h514km, mb4.9, mb4.9  
 NEIC 25 12:15:24.9,0.5,30.44N-137.63E,h502km,5km, mb4.4/26,  
 Error ellipse: s-maj=7.0km s-min=4.7km az=87.0

ISC 25 12:15:23.1-0.3,30.36N-0.04,-137.77E,0.05,h498km,3km,  
 n120.0,φR00/132,mb4.4/49,6C-5D,Southeast of Honshu

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h m s	ISC
JHU	Hachioji jima 2	3.24	31	P	12 16 36.5	+0.3		
JHU	47nm,0.3s,baz=221,slow=20,SNR=19			S				
JHU2	Mitsune	3.25	32	P	12 17 34.9	+0.4		
JHU2	47nm,0.3s,baz=85,slow=20,SNR=8.3			S				
TK01	Tokai 1	3.40	357	P	12 16 36.9	+0.6		
TK02	Tokai 2	3.50	360	P	12 16 38.0	+1.1		
TK03	Kozaga	3.61	330	P	12 16 40.0	+1.3		
JIE	Ise	4.12	348	P	12 16 44.5	+1.5		
JWY	Kouya	4.27	335	P	12 16 45.9	+1.6		
JTO	Tosashimizu	4.92	302	P	12 16 50.0	+1.0		
JOD2	Odawara 2	5.01	12	P	12 16 50.5	-0.4		
JOD2	25nm,0.3s,baz=208,slow=14,SNR=7.5			S				
CBJ1	Chichi jima	5.06	129	P	12 17 59.8	-1.3		
CBJ1	82nm,0.3s,baz=298,slow=14,SNR=11			S				
CBJ1	Chichi jima	5.06	129	P	12 18 49.2	-2.1		
CBJ1	25nm,0.3s,baz=208,slow=14,SNR=11			S				
BSO1	Boso 1	5.06	31	P	12 16 50.1	-1.3		
BSO1	25nm,0.3s,baz=208,slow=14,SNR=11			S				
JRY	Ryogami san	5.72	9	P	12 16 57.4	+0.2		
JRY	25nm,0.3s,baz=208,slow=14,SNR=11			S				
JHS	Saijiyo	6.07	321	P	12 17 01.3	+0.4		
JHS	25nm,0.3s,baz=208,slow=14,SNR=11			S				
MAJO	Matsushiro	6.17	311	P	12 18 19.7	+1.3		
MAJO	139nm,0.6s			S				
MAT	Matsushiro	6.17	3	P	12 17 01.6	-0.4		
MAT	25nm,0.3s,baz=208,slow=14,SNR=11			S				
MAT	Matsushiro	6.17	3	P	12 17 01.4	-0.6		
MAT	25nm,0.3s,baz=208,slow=14,SNR=11			S				
MAT	Matsushiro	6.17	3	P	12 18 18.2	-2.0		
MAT	124nm,0.7s			S				
MAT	Matsushiro	6.17	3	P	12 17 01.0	-1.0		
MAT	25nm,0.3s,baz=208,slow=14,SNR=11			S				
JNU	Nakatsue	6.49	297	P	12 18 18.0	-2.3		
JNU	3.9nm,0.3s,baz=92,slow=7.3,SNR=21			S				
JNK	Shimokoshiki	7.04	283	P	12 17 05.3	+0.2		
JNK	Ichinosue	9.03	17	P	12 17 31.6	+0.2		
JMK	Kunigami	9.06	249	P	12 17 32.0	+0.3		
JMK	2.1nm,0.3s,baz=73,slow=6.8,SNR=8.3			S				
JOW	Kunigami	9.06	249	P	12 17 32.1	+0.3		
JOW	2.1nm,0.3s,baz=73,slow=6.8,SNR=8.3			S				
KJ15	Wunji Array Si	10.83	313	eP	12 17 49.6	+0.9		
JOT	Onatai	11.31	13	P	12 17 56.2	+0.7		
JOSM	Okushiri-Mats	11.78	6	P	12 18 00.7	+0.4		
JKB	Kayabe	11.80	12	P	12 18 01.0	+0.5		
ASAJ	Asahikawa	14.25	14	P	12 18 27.9	+1.9		
ASAJ	1.9nm,0.3s,baz=250,slow=12,SNR=13			S				
JTRK	Abashiri-Toko	14.43	18	P	12 20 58.0	+4.5		
DL2	Dalian	15.77	307	P	12 18 40.3	-1.0		
DL2	comp=Z,10.0nm,0.6s			AMB				
CN2	Changchun	16.61	327	eP	12 18 51.0	+1.5		
CN2	comp=Z,2.0nm,1.0s			AMB				
YSS	Yuzh-Sakhalins	17.01	12	eP	12 18 55.5	+2.0		
YSS	comp=Z,8.6nm,0.4s			S				
BJT	Bailliatiau	20.07	305	eP	12 19 21.7	-1.3		
BJT	comp=Z,8.3nm,0.4s			S				
WHN	Wuhan	20.19	276	eP	12 19 24.5	+0.3		
HIA	Hailar	23.31	329	eP	12 19 52.2	+0.6		
HIA	comp=Z,4.9nm,0.6s,mb4			S				
HHC	Hu-ho-hao-tee	23.66	303	eP	12 19 56.0	0.0		
HHC	comp=Z,13nm,0.9s,mb4.4			AMB				
HHC	Hu-ho-hao-tee	23.66	303	eP	12 19 56.0	0.0		
HHC	comp=Z,13nm,0.9s,mb4.4			AMB				
HHC	Hu-ho-hao-tee	23.66	303	eP	12 19 56.0	0.0		
HHC	comp=Z,13nm,0.9s,mb4.4			AMB				
ENH	Enshi	24.40	277	eP	12 20 01.4	-1.3		
XAN	Xi'an	24.65	286	P	12 20 03.8	-1.2		
XAN	comp=Z,4.3nm,0.9s,mb4.9			AMB				
GYA	Guliyang	27.59	279	P	12 20 30.5	-0.6		
GYA	comp=Z,10.0nm,0.8s,mb4.3			AMB				
LZH	Lanzhou	28.86	290	JP	12 20 41.0	-1.0		
LZH	comp=Z,4.0nm,1.0s,mb4.8			AMB				
CD2	Chengdu	29.21	280	JP	12 20 45.0	-0.1		
CD2	comp=Z,5.0nm,0.4s,mb5.3			AMB				
SOMM	Songino Array	29.68	315	P	12 20 48.7	-0.3		
SOMM	comp=Z,4.3nm,0.6s,mb4.1,baz=127,slow=8.9,SNR=26			S				
SOMM	Songino Array	29.68	315	P	12 20 48.7	-0.3		
SOMM	comp=Z,4.3nm,0.6s,mb4.1,baz=127,slow=8.9,SNR=26			S				
SOMM	Songino Array	29.68	315	P	12 20 48.7	-0.3		
SOMM	comp=Z,4.3nm,0.6s,mb4.1,baz=127,slow=8.9,SNR=26			S				
GTA	Gaotai	32.23	297	JP	12 21 10.3	-0.5		
GTA	comp=Z,1.8nm,0.8s,baz=142,slow=4.3,SNR=10			AMB				
CM31	Chiang Mai Arr	37.12	260	eP	12 21 51.8	0.0		
CM31	comp=Z,2.3nm,0.9s,mb4.6			AMB				
CMAR	Chiang Mai Arr	37.12	260	P	12 21 52.0	+0.3		
CMAR	comp=Z,1.1nm,0.5s,mb4.5			S				
WMO	Urumqi	41.54	303	P	12 22 27.8	+0.4		
WMO	comp=Z,8.0nm,0.7s,mb4.3,baz=57,slow=6.7,SNR=60			S				
TIXI	Tiksi	41.63	356	eP	12 22 27.8	+0.4		
TIXI	comp=Z,5.3nm,0.6s,mb4.3			S				
ZAL	Zalesovo	44.49	318	P	12 22 49.9	-0.6		
ZAL	comp=Z,4.5nm,0.4s,mb4.3,baz=280,slow=7.4,SNR=19			S				
ZAL	Zalesovo	44.49	318	P	12 22 49.9	-0.6		
ZAL	comp=Z,4.5nm,0.4s,mb4.3,baz=280,slow=7.4,SNR=19			S				
GUN	Gumba	45.07	280	eP	12 22 55.8	+0.4		
GUN	comp=Z,2.5nm,0.7s,mb4.9			S				
MKAR	Makanchi Array	45.42	307	P	12 22 57.4	-0.4		
MKAR	comp=Z,7.1nm,0.4s,mb4.5,baz=90,slow=9.8,SNR=112			S				
MKAR	Makanchi Array	45.42	307	P	12 22 57.4	-0.4		
MKAR	comp=Z,7.1nm,0.4s,mb4.5,baz=90,slow=9.8,SNR=112			S				
PKI	Pulchoki	45.57	280	eP	12 24 25.3	-1.8		
PKI	comp=Z,1.5nm,0.5s,baz=135,slow=17,SNR=4.2			S				
PKI	Pulchoki	45.57	280	eP	12 22 59.0	-0.2		
PKI	comp=Z,1.6nm,0.7s,baz=84,slow=5.8,SNR=7.0			S				
KKN	Kakani	45.62	280	eP	12 22 59.0	-0.2		
KKN	comp=Z,1.2nm,0.5s,mb4.1			S				
DMN	Daman	45.62	280	eP	12 23 01.0	-0.1		
DMN	comp=Z,2.2nm,0.4s,mb4.9			S				
GKN	Gorkha	46.10	281	eP	12 23 02.7	-0.6		
GKN	comp=Z,2.7nm,0.4s,mb4.9			S				
DANN	Dangsing	46.75	282	eP	12 23 08.8	+0.5		
DANN	comp=Z,2.6nm,1.1s,mb4.4			S				
KOLN	Koldanda	47.05	281	eP	12 23 10.6	0.0		
KOLN	comp=Z,60nm,0.7s,mb5.1			S				
FITZ	Fitzroy Cross	49.58	195	JP	12 23 30.1	+0.3		
FITZ	comp=Z,5.3nm,0.6s,mb4.3			S				
FITZ	Fitzroy Cross	49.58	195	P	12 23 30.1	+0.3		
FITZ	comp=Z,5.3nm,0.6s,mb4.3			S				
ULHL	Ulhanot	50.00	302	P	12 23 32.7	+0.1		
ULHL	SNR=52			S				
WRAB	Tennant Creek	50.11	184	eP	12 23 33.3	-0.4		
WRAB	comp=Z,1.7nm,0.5s,mb4.3			S				
WB2	Warramunga Arr	50.12	184	JP	12 23 33.7	-0.1		
WB2	comp=Z,1.7nm,0.5s,mb4.3			S				
WRA	Warramunga Arr	50.12	184	P	12 23 33.8	0.0		
WRA	comp=Z,1.7nm,0.5s,mb4.3			S				
TKM2	Tokmak 2	50.39	303	P	12 23 35.6	+0.1		
TKM2	SNR=19			S				
KZA	Kyzart	50.75	301	P	12 23 39.2	+1.1		
KZA	SNR=14			S				
CTA	Charters Tower	50.82	170	JP	12 23 39.9	+1.0		
CTA	comp=Z,2.8nm,0.7s,mb4.3			S				
CTA	Charters Tower	50.82	170	P	12 23 38.9	0.0		
CTA	comp=Z,2.8nm,0.7s,mb4.3			S				
KBK	Karagaybulak	50.90	302	P	12 23 39.3	+0.2		
KBK	SNR=12			S				
USP	Ospenovka	51.14	303	P	12 23 40.5	-0.5		
USP	SNR=8.4			S				
AAK	Ala-Archa	51.23	304	P	12 23 41.4	-0.2		
AAK	SNR=12			S				
UCH	Uchto Arr	51.27	302	P	12 23 42.9	+0.9		
UCH	SNR=20			S				
EKS2	Erkin-Say	51.75	302	P	12 23 45.2	-0.2		
EKS2	SNR=5.3							



Table with columns: Code, Station Name, Frequency, Power, and other technical details for stations like ARU, INK, SPB4, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details for stations like JOW, WRA, ASAR, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details for stations like TUIG, EVU, SCX, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details for stations like TXAR, LRAL, NVAR, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details for stations like MAN, WEL, MGZ, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details for stations like KNZ, TSZ, PWZ, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details for stations like FITZ, WRA, WBS, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details for stations like CTA, STKA, WTKA, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details for stations like LCHH, LN, LNV, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details for stations like PACH, CHCH, PEL, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details for stations like CMCH, IDC, ASAR, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details for stations like NIKO, NIKO, NIKO, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details for stations like DALL, DALL, DALL, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details for stations like YKA, YKA, YKA, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details for stations like ARCES, JOF, BVAR, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details for stations like ZRKF, ZRKF, ZRKF, etc.

Table with columns: Code, Station Name, Frequency, Power, and other technical details for stations like CAW, CAW, CAW, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Includes stations like Makara Radio, Mangatoinaka R, Cape Campbell, Birch Farm, etc.

GUC 25 17:14:05.9-0.0, 17.29S-64.03W, h594km, mb4.1 (NEIC)
SYO 25 17:14:06.4, 17.33S-64.18W, h596km, MB4.2
NEIC 25 17:14:06.0-0.2, 17.33S-64.18W, mb4.2/15, Error ellipse:
s-maj=10.4km s-min=5.9km az=67.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Includes stations like La Paz, Limon Verde, Villa Florida, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Includes stations like Guarapari, Paso Flores, El Rosal, etc.

MDD 25 17:19:55.0-0.8, 35.57N-0.40E, h10km, mb3.8/18,
Error ellipse: s-maj=16.8km s-min=5.9km az=10.0,
PRYMO
NEIC 25 17:19:55.9-1.2, 35.51N-0.41E, h10km, ML3.9(ALG),
Error ellipse: s-maj=17.2km s-min=6.5km az=191.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Includes stations like Djebel Berber, Djebel Guitres, Ain N'Sour, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Includes stations like Ibibza, Quesada, Mosqueruela, Sierra de Lija, etc.

ISC 25 17:16:16.0-1.3, 30.57S-0.06E, 177.74W-0.08E,
h34km, n119s, o159/105, mb4.9/25, MS4.2/10, 12C-4D,
Kermadec Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC. Includes stations like Matakaoa Point, Puketiti, Waipua Caves, etc.











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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AVF Avril sur Lior, ORIF Oris-en-Rattie, ORIF Oris-en-Rattie, etc.

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



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like WRA Warramunga Arr, ASAR Alice Springs, WBR2 Warramunga Arr, WRA Warramunga Arr, AS12 Alice Springs, etc.

CASC 26 00:40:05.8:1.8, 12.96N-88.62W, h54km, 20km, MD3.8, ML3.8, 7C-14D, Off coast of central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like VSM San Miguel, BLM Bellamira, SNVI San Vicente, etc.

IDC 26 00:45:12.0:1.3, 2.08N-127.51E, mb3.6/5, mb1 3.8/5, mb1mx3.6/14, Error ellipse: s-maj=120.0km s-min=19.7km az=69.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, etc.

BUL 26 00:48:16.0, 22.80S-179.40E, h576km, mb4.6, NEIC 26 00:48:16.9, 1.2, 22.76S-179.37E, h577km, 20km, mb4.2/14, Error ellipse: s-maj=12.8km s-min=9.1km bz=181.0

IDC 26 00:48:19.2:1.8, 22.77S-179.28E, h602km, 20km, mb3.6/16, mb1 3.8/18, mb1mx3.7/21, Error ellipse: s-maj=21.1km s-min=14.1km az=160.0

ISC 26 00:48:14.4:1.8, 22.66S-109.179.30E, 0.08, h550km, 24km, n150, e101/61, mb4.1/26, 5C-9D, South of Fiji Islands

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

Table with columns: NOA, NORSAR Array B, PKNKP, Time, Res, h, m, s, ISC. Rows include NOA 0.9m, 0.5s, baz=16, slow=4.8, SNR=11, etc.

IDC 26 00:50:46.0:5.0, 6.55, 72S-124.24W, mb4.1/7, mb1 4.3/7, mb1mx4.2/13, MS3.9/13, MS1 3.9/13, ms1mx3.8/16, Error ellipse: s-maj=39.5km s-min=19.1km az=162.0

NEIC 26 00:50:47.6:0.4, 55.55S-124.33W, h10km, mb4.2/4, Error ellipse: s-maj=15.8km s-min=14.0km az=162.0

ISC 26 00:50:46.0:5.0, 6.55, 72S-124.3W, 0.2, h10km, n53, e094/15, mb4.1/9, MS3.9/13, 3C-1D, Southern East Pacific Rise

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include USHA Ushuaia, PLCA Paso Flores, PLCA Paso Flores, etc.





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26d 2h

Table with columns: Station, Name, Frequency, Power, Mode, and other details. Includes stations like MVU, ENH, MSJ, BJT, RPW, etc.

Table with columns: Station, Name, Frequency, Power, Mode, and other details. Includes stations like BLUS, MLA1, HLS, AKASG, ELZG, etc.

Table with columns: Station, Name, Frequency, Power, Mode, and other details. Includes stations like PRU, PRU, PRU, PRU, PRU, etc.



ML4.6
IDC 26:02:06:38.2,8.8,14,16N,90.85W,h122km,56km,mb3.3/3,
mb1.3/6.5,mb1mx3.0,20,Error ellipse: s-maj=7.1km
s-min=4.4,7km az=165.0

ISC 26:02:06:32.1,0.7,13.97N,0.08,91.33W,0.05,h78km,5km,
n25,+f102/42,mb3.7/3,9C-5D,Near coast of Guatemala

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, h m s ISC, Res. Includes stations like Jato, Fuego 3, Pacaya, Ixpaco, Guatemala City, Cusnampa, Robledal, etc.

THE 26:02:10:47.0,42.21N,26.29E,h20km,ML3.7
ISC 26:02:10:47.5,12.42,02N,0.05,-26.01E,0.04,h9km,9km,
n28,+o61/42,2C-1D,Bulgaria

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, h m s ISC, Res. Includes stations like Edirne, Alexandroupoli, Marmara Adasi, etc.

CASC 26:02:14:56.1,9.135N,91.29W,h55km,16km,MD3.6,
ML3.6,3C-2D,Near coast of Guatemala

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, h m s ISC, Res. Includes stations like Jato, Ixpaco, Las Nubes, Cusnampa, etc.

NEIC 26:02:24:09.8,2.8,19.84S,178.13W,h611km,33km,mb4.1/2,
Error ellipse: s-maj=44.8km s-min=15.8km az=159.0
IDC 26:02:24:10.5,2.2,19.86S,178.12W,h619km,29km,
mb3.4/10,mb1.3/6.10,mb1mx3.5/15,Error ellipse:
s-maj=61.3km s-min=11.6km az=157.0

ISC 26:02:24:08.0,2.7,19.75S,0.5,h597km,39km,
n27,+o59/20,mb3.9/11,1C,Fiji Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, h m s ISC, Res. Includes station ARMA Armidale.

Main table with columns: CTA, Charters Tower, 33.36 263 eP, P, 02 30 00.7 +1.0. Includes stations like Warramunga Arr, Tennant Creek, etc.

NEIC 26:02:26:57.0,44.44N,6.76E,h2km,MD2.6(ROM),
ML3.1(GEN),ML2.9(LDG),ML2.8(STR),After GEN.
LDG 26:02:26:57.0,1.4,44.46N,6.82E,h2km,MD2.9/2,MI2.9/22,
Error ellipse: s-maj=2.1km s-min=1.4km az=69.0
ROM 26:02:26:57.0,7.0,44.39N,6.88E,h6km,2km,MD2.6/3,
ML2.1/5,Error ellipse: s-maj=3.7km s-min=2.0km az=90.0
ISC 26:02:26:56.0,0.2,44.46N,0.1,-6.74E,0.02,h11km,2km,
n77,+f103/150,15C-2D,France

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, h m s ISC, Res. Includes stations like Prazzo, Montbardon, San Damiano, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, h m s ISC, Res. Includes stations like Taverne, Imperia, Plagne, etc.

Table with columns: GENL, MCGN, MCGN, 14nm,0.4s, 1.74 30 eP, P, 02 30 00.5 +0.8. Includes stations like Varesse, La Chapelle, Pioggiola, etc.

GUC 26:03:03:25.9,1.3,22.30S,68.81W,h121km,9km,ML4.5
SYO 26:03:03:26.4,22.48S,68.26W,h103km,MB4.5
BUJ 26:03:03:26.4,22.50S,68.30W,h103km,MB4.6
NEIC 26:03:03:26.4,0.6,22.48S,68.26W,h103km,6km,mb4.5/12,
Error ellipse: s-maj=10.9km s-min=6.8km az=70.0
NEIC Felt [III] at Tocopilla.
IDC 26:03:03:26.1,0.8,22.38S,68.30W,h100km,8km,mb3.9/8,
mb1.4/11,mb1mx4.1/14,MS3.4/1,Mst 3.3/1,
ms1mx2.9/13,Error ellipse: s-maj=23.8km s-min=17.4km
az=42.0

ISC 26:03:03:25.5,0.6,22.55S,0.04,68.27W,0.06,h113km,5km,
n57,+f18/55,mb4.5/16,4C-3D,Northern Chile

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, h m s ISC, Res. Includes stations like Limon Verde, Copiapo, La Paz, etc.





Table of flight data for the left column, including columns for airline code, flight number, origin, destination, time, status, and other details.

Table of flight data for the middle column, including columns for airline code, flight number, origin, destination, time, status, and other details.

Table of flight data for the right column, including columns for airline code, flight number, origin, destination, time, status, and other details.

Table with columns for station name, frequency, power, and signal strength. Includes stations like GYA, WYV, JFW, WWT, etc.

Table with columns for station name, frequency, power, and signal strength. Includes stations like WWT, JFW, WWT, etc.

Table with columns for station name, frequency, power, and signal strength. Includes stations like NB2, NOA, NAO1, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Wahat al Ahsa', Haql, Jabal al Moall, etc.



Table with columns: NOA, CTA, CLL, GERES, etc. and rows for various stations like NORRAR Array B, Charters Tower, etc.

IDC 26 07:16:30.2,0.4, 5.83S:150.85E, mb4.9/17, mb1 5.0/18, mb1mx5.0/19, ML3.8/1, Error ellipse: s-maj=17.4km

HRVD 26 07:16:36.5,0.4, 5.82S:150.90E, h14km,2km, MW5.2/35, Centroid motion Tensor solution. LP body waves: s14.4, c15.2, mantle waves: s33, c59; Half duration: 190

NEIC 26 07:16:36.5,0.8, 5.86S:150.86E, h43km,7km, mb5.0/25 Error ellipse: s-maj=7.3km s-min=5.7km az=115.0

ISC 26 07:16:35.9,1.0, 5.89S:150.84E,0.05, h51km,8km, n104, c095/82, mb5.0/42, MS4.5/3, 6C-11D, New Britain region

Main station list table with columns: Code, Station Name, Az, Az3, Phase ID, Time, Res, etc.

Continuation of station list table with columns: Code, Station Name, Az, Az3, Phase ID, Time, Res, etc.

Main station list table for the second page with columns: Code, Station Name, Az, Az3, Phase ID, Time, Res, etc.

TRN 26 07:17:45.9, 10.80N:62.31W, h100km, MD4.2 TRN Felt in Port of Spain area (III) & (IV), Santa Cruz (III), St. Augustine (II) and SE Grenada (II), FUNUV 26 07:17:45.9, 10.86N:62.16W, h103km, MW3.6

Continuation of station list table for the second page with columns: Code, Station Name, Az, Az3, Phase ID, Time, Res, etc.

Main station list table for the third page with columns: Code, Station Name, Az, Az3, Phase ID, Time, Res, etc.

26d 11h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NJ2, CSE, SMC, STKA, etc.

IDC 26 07:58:34.6:1.1, 21.765x169.62E, mb4.2/8, mb1 4.4/9, mb1mx4.3/15, ML3.5/1, MS3.9/1, Ms1 3.9/1, ms1mx3.4/18, Error ellipse: s-maj=41.6km s-min=21.9km az=163.0

NEIC 26 07:58:36.2:0.4, 21.785x169.61E, h10km, mb4.5/6, Error ellipse: s-maj=12.4km s-min=8.9km az=175.0

LDG 26 07:58:38.5:0.9, 20.625x169.14E, h10km, Error ellipse: s-maj=12.4km s-min=4.9km az=139.0

ISC 26 07:58:36.5:4.6, 21.825x0.09x169.6E, 0.1, h15km, 29km, n39, +07722, mb4.3/13, Southeast of Loyalty Islands

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

GUC 26 08:08:55.7:0.8, 22.735x68.55W, h109km, 14km, ML4.1

ISC 26 08:08:57.3:2.1, 23.13x0.1x66.16W, 0.09, h24km, 21km, n8, +0559/12, 1C-2D, Northern Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LVC, ANCH, CPN1, etc.

JMA 26 08:26:31.3:0.4, 41.62N, 144.93E, h45km, 3km, M3.5, Hokkaido region

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

CASC 26 08:34:00.8:1.5, 13.64N, 91.21W, h22km, 8km, MD3.5, ML3.2, 2C-1D, Near coast of Guatemala

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

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SNJE eS Sn 08 34 48.0 +0.2
NEIC 26 09:01:31.4:6.0, 23.235x179.73W, h490km, 53km, mb4.3/5, Error ellipse: s-maj=69.2km s-min=17.2km az=221.0

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

CTAO Charters Tower 31.24 270 eP 09 07 15.5 +1.1
ASAR Alice Springs 41.84 260 p 09 08 42.1 +0.6

WRA Warramunga Arr 42.18 266 eP 09 08 44.4 +0.1
KAKA Kaka 46.10 275 eP 09 09 13.7 -1.2

IDC 26 09:29:56.5:9.4, 36.18N, 70.21E, h168km, 80km, mb3.1/8, mb1 3.3/10, mb1mx3.2/19, Error ellipse: s-maj=54.2km s-min=20.1km az=34.0

NEIC 26 09:30:07.1:2.5, 36.65N, 70.51E, h257km, 24km, Error ellipse: s-maj=28.8km s-min=7.5km az=60.0

ISC 26 09:30:02.0:2.0, 37.0N, 10.1-70.3E, 0.2, h212km, 17km, n28, mb1.7/28, mb3.1/7, Hindu Kush region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AML, UCH, EK52, etc.

SNR 26 09:38:09.4, 37.06N, 26.76E, h16km, MD3.1

ATH 26 09:38:09.5, 37.04N, 26.83E, h57km, 32km, MD3.1/3

ISC 26 09:38:09.0:1.9, 36.95N, 10.05, 26.79E, 0.04, h5km, 7km, n14, +0858/23, Dodecanese Islands

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

IDC 26 09:45:54.1:0.8, 36.45S, 99.21W, mb4.4/14, mb1 4.6/14, mb1mx4.5/19, MS3.8/8, Ms1 3.8/8, ms1mx3.7/17, Error ellipse: s-maj=26.2km s-min=17.9km az=51.0

SYO 26 09:45:56.36, 37S, 99.05W, h10km, MB4.6

BUI 26 09:45:56.0, 36.40S, 99.10W, h10km, mb4.9, Ms5.0, Ms2.1

NEIC 26 09:45:56.1:0.3, 36.37S, 99.05W, h10km, mb4.6/13, Error ellipse: s-maj=14.4km s-min=7.7km az=66.0

ISC 26 09:45:54.5:0.4, 36.39S, 0.07, 99.1W, 0.1, h10km, n76, +180/61, mb4.3/25, MS3.8/8, 2C-5D, Southeast of Easter Island

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

612

LPAZ La Paz 33.96 62 P 09 52 41.6 +1.3
LPAZ La Paz 33.96 62 P 09 52 41.0 +0.8

CPUP Uruapan 36.77 86 P 09 53 03.0 -1.1
CPUP Uruapan 36.77 86 P 10 05 29.1

ROSC El Rosal 47.10 35 LR 10 10 45.8
SDV Santa Fe 52.36 36 P 09 55 06.3 -2.8

GSPA Neumayer Olym 55.83 157 P 09 56 24.2
VNA3 Neumayer Olym 55.83 157 P 09 55 25.9 -7.9

VNA3 Neumayer Olym 55.83 157 eP 09 55 33.0 -0.8
VNA1 Neumayer-Stat 56.41 156 P 09 55 31.9 -6.1

TXAR Lajas Mar 65.52 356 P 09 56 39.2 -1.1
TXAR Lajas Mar 65.52 356 P 10 21 21.3

MNTX Coronados Mount 67.99 354 P 09 56 55.2 -0.7
SYO Santa Fe 70.57 157 P 09 57 10.5 -6.6

WVMO Wichita Moun 70.76 0 eP 09 57 10.1 -2.8
UNAO Albuquerque 71.31 354 eP 09 57 17.1 +0.9

MAW Neumayer Olym 72.45 349 eP 09 57 22.6 -0.5
Nelson 73.16 347 eP 09 57 26.9 -0.3

MSU Marysvalle 75.51 349 eP 09 57 39.2 -1.5
TPH Tonopah 75.97 345 eP 09 57 43.2 -0.2

UMC Earthquake Lak 81.61 351 eP 09 58 16.9 +3.1
QZT Gaziantep Arr 145.50 275 P 09 58 34.7 +1.4

CHMT Chamberlain Mo 83.90 350 eP 09 58 25.8 +0.2
Newport 85.61 347 eP 09 58 35.9 +1.9

ULM Lac du Bonnet 86.31 2 P 09 58 38.8 +1.4
YKA Yellowknife Ar 99.33 353 P 09 59 37.0 -0.5

YKA Yellowknife Ar 99.33 353 P 09 59 37.0 -0.5
GERES GERRSS Array B 130.51 53 P 10 05 05.8 -2.5

SONM Songoing Array 158.03 309 PKPab PKPab 10 06 28.4 +1.7
LZH Lanzhou 161.53 276 ePKP PKPpdf 10 05 56.5 -1.6

BUI 26 11:05:33.6:1.5, 17.79S, 167.34E, mb3.9/7, mb1 4.1/7, mb1mx4.0/15, MS3.3/3, Ms1 3.3/3, ms1mx3.0/17, Error ellipse: s-maj=35.0km s-min=30.6km az=53.0

NEIC 26 11:05:35.1:3.1, 17.94S, 167.30E, h10km, Error ellipse: s-maj=27.0km s-min=18.8km az=56.0

ISC 26 11:05:32.2:0.8, 17.95S, 0.09, 167.6E, 0.1, h10km, n14, +0896/14, mb3.8/7, MS3.1/3, Vanuatu Islands

Table with columns: FITZ, CMAR, SONM, ARCES, KRSC, Kuril Islands, MIPR, RUS, GRT, PET, UGLR, AVH, KOK, SMAR, NLC, SPN, MKZ, KBTR. Includes station names, coordinates, and times.

KRSC 26 11:24:26.0, 1.2, 59.21N, 165.54E, ML4.1
IDC 26 11:24:26.0, 0.7, 59.42N, 164.06E, mb3.6/12, mb1.3/9/12, mb1mx3.8/22, ML4.2/1, Error ellipse: s-maj=17.4km s-min=14.9km az=28.0

NEIC 26 11:24:30.1, 0.4, 59.34N, 164.18E, h10km, Error ellipse: s-maj=17.1km s-min=13.7km az=18.0
MOS 26 11:24:31.0, 1.8, 59.31N, 164.31E, h33km, mb3.7/4, Error ellipse: s-maj=31.2km s-min=19.7km az=99.9

ISC 26 11:24:32.3, 1.9, 59.48N, 0.04, 164.2E, 0.1, h33km, 15km, n48, r13/20, mb3.7/12, Kamchatka Peninsula

Table with columns: KAMR, SVLR, KBG, KBTR, KLY, CIRR, ZLN, SRDR, KPT, KOZ, KMNR, ESO, TUMR, MKZ, GNL, MA2, MA2, AVH, FX1, FX1, FX1, ILAR, ILAR, BOD, INK, INK, INK, INK, INK, SONM, YKA, YKA, YKA, MKAR, MKAR, MKAR, ARCES, ARCES, ARCES, BRVK, ZRNK, HLID, NVAR, PDAR, NLU, NOA, TXAR, WRA, ASAR, QSPA. Includes station names, coordinates, and times.

KRSC 26 11:42:18.2, 0.5, 59.14N, 165.35E, ML3.9
IDC 26 11:42:21.2, 0.6, 59.35N, 164.05E, mb3.5/11, mb1.3/8/11, mb1mx3.7/23, ML4.5/1, Error ellipse: s-maj=17.0km s-min=13.8km az=31.0

MOS 26 11:42:22.5, 1.0, 59.06N, 163.96E, h33km, mb3.7/1, Error ellipse: s-maj=34.6km s-min=25.0km az=112.6
NEIC 26 11:42:22.4, 0.6, 59.23N, 164.02E, h10km, Error ellipse: s-maj=14.7km s-min=10.4km az=178.0

ISC 26 11:42:26.0, 0.8, 59.44N, 0.06, 164.1E, 0.1, h44km, 10km, n38, r15/42, mb3.6/12, Kamchatka Peninsula

Table with columns: KAMR, SVLR, KBG, KBTR, KLY, CIRR, ZLN, SRDR, KPT, KOZ, KMNR, ESO, TUMR, GNL, MA2, AVH, FX1, FX1, FX1, ILAR, ILAR, BOD, INK, INK, INK, INK, INK, SONM, YKA, YKA, YKA, MKAR, MKAR, MKAR, ARCES, ARCES, ARCES, BRVK, ZRNK, HLID, NVAR, PDAR, NLU, NOA, TXAR, WRA, ASAR, QSPA. Includes station names, coordinates, and times.

KRSC 26 11:25:55.9, 3.2, 59.72N, 162.70E, h45km, 27km, ML4.1
IDC 26 11:25:57.0, 1.0, 59.22N, 164.14E, mb3.6/8, mb1.4/0.9, mb1mx3.8/23, ML3.8/1, MS3.5/1, Ms1.3/4.1, ms1mx2.8/26, Error ellipse: s-maj=20.3km s-min=19.8km az=120.0

Table with columns: KLY, KRSR, CIRR, SRDR, ZLN, ZLN, KOZ, KPT, KMNR, KMNR, ESO, TUMR, BKL, BKL, GNL, GNL, AVH, AVH, FX1, ILAR, INK, SONM, YKA, ZAL, NVAR, PDAR, TXAR, WRA. Includes station names, coordinates, and times.

IDC 26 11:26:55.4, 1.1, 59.10N, 163.89E, mb3.5/5, mb1.4/0.6, mb1mx3.6/22, ML4.0/1, Error ellipse: s-maj=27.3km s-min=20.1km az=22.0

ISC 26 11:26:58.1, 0.5, 58.8N, 0.2, 164.1E, 0.3, h33km, n6, r09/6, mb3.5/5, Kamchatka Peninsula

Table with columns: FX1, SONM, NVAR, PDAR, TXAR, WRA, BTMT, VRT, BEST, WANT, VANS, VAN, IVAN, BINI, AGRT, AGRT, DIV, ERZM, ERZM, ERZM, ERZM, ERZM, ERZM, KARS, ELZG, ELZG, GNL, MYA. Includes station names, coordinates, and times.

KRSC 26 11:42:18.2, 0.5, 59.14N, 165.35E, ML3.9
IDC 26 11:42:21.2, 0.6, 59.35N, 164.05E, mb3.5/11, mb1.3/8/11, mb1mx3.7/23, ML4.5/1, Error ellipse: s-maj=17.0km s-min=13.8km az=31.0

MOS 26 11:42:22.5, 1.0, 59.06N, 163.96E, h33km, mb3.7/1, Error ellipse: s-maj=34.6km s-min=25.0km az=112.6
NEIC 26 11:42:22.4, 0.6, 59.23N, 164.02E, h10km, Error ellipse: s-maj=14.7km s-min=10.4km az=178.0

ISC 26 11:42:26.0, 0.8, 59.44N, 0.06, 164.1E, 0.1, h44km, 10km, n38, r15/42, mb3.6/12, Kamchatka Peninsula

Table with columns: KAMR, SVLR, KBG, KBTR, KLY, CIRR, ZLN, SRDR, KPT, KOZ, KMNR, ESO, TUMR, GNL, MA2, AVH, FX1, FX1, FX1, ILAR, ILAR, BOD, INK, INK, INK, INK, INK, SONM, YKA, YKA, YKA, MKAR, MKAR, MKAR, ARCES, ARCES, ARCES, BRVK, ZRNK, HLID, NVAR, PDAR, NLU, NOA, TXAR, WRA, ASAR, QSPA. Includes station names, coordinates, and times.

KRSC 26 12:12:08.28, 9.1, 17.88S, 169.45E, h261km, 15km, Error ellipse: s-maj=22.3km s-min=19.0km az=194.0
IDC 26 12:08:28.9, 1.2, 18.01S, 169.43E, h25km, 125km, mb3.1/7, mb1.3/2, mb1mx3.3/13, Error ellipse: s-maj=63.3km s-min=20.6km az=10.0

ISC 26 12:08:29.6, 1.0, 18.98S, 0.10, 169.4E, 0.2, h276km, 7km, n14, r08/85/12, mb3.3/6, 1V, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes station names, coordinates, and times.

Table with columns: BVAR, ZRNK, NVAR, PDAR, TXAR, WRA, ASAR. Includes station names, coordinates, and times.

SOF 26 11:58:12.0, 0.41, 98N, 23.22E, h5km, MD3.1
ATH 26 11:58:12.9, 0.41, 92N, 23.22E, h23km, MD3.6/3
NEIC 26 11:58:12.9, 0.41, 92N, 23.22E, h23km, MD3.6(ATH), ML3.6(BUD), After ATH.
THE 26 11:58:13.5, 0.41, 85N, 23.19E, h5km, ML3.6

ISC 26 11:58:12.9, 0.41, 90N, 0.02, 23.18E, 0.03, h16km, 5km, n45, r14/67, 8C-4D, Greece-Bulgaria border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes station names, coordinates, and times.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes station names, coordinates, and times.

NEIC 26 12:08:28.9, 1.7, 18.85S, 169.45E, h261km, 15km, Error ellipse: s-maj=22.3km s-min=19.0km az=194.0
IDC 26 12:08:28.9, 1.2, 18.01S, 169.43E, h25km, 125km, mb3.1/7, mb1.3/2, mb1mx3.3/13, Error ellipse: s-maj=63.3km s-min=20.6km az=10.0

ISC 26 12:08:29.6, 1.0, 18.98S, 0.10, 169.4E, 0.2, h276km, 7km, n14, r08/85/12, mb3.3/6, 1V, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes station names, coordinates, and times.

NIED 26 12:12:08.44, 90N, 141.80E, h320km, Mw4.3 Best double couple: Mb2.71x10^15 NP1.9a20°, 887°, -75°. NP2.9a121°, 815°, -169°
MOS 26 12:32:50.5, 1.0, 45.15N, 141.69E, h280km, mb4.4/12, Error ellipse: s-maj=15.4km s-min=7.9km az=111.2

JMA 26 12:32:50.0, 0.4, 45.94N, 141.75E, h282km, 2km, M3.9
BUJ 26 12:32:50.0, 0.45, 25N, 141.77E, h285km, mb4.5, mb4.6
IDC 26 12:32:50.0, 0.45, 05N, 141.63E, h271km, 5km, mb3.9/19, mb1.4/1.19, mb1mx4.0/23, Error ellipse: s-maj=11.5km s-min=9.2km az=157.0

SKHL 26 12:32:51.0, 0.0, 45.06N, 141.76E, h300km, 22km, mb4.7/7, Mbv6.1/1, MsH5.0/2, MsH5.0/4
NEIC 26 12:32:51.0, 0.6, 45.05N, 141.66E, h275km, 5km, mb4.2/35, Error ellipse: s-maj=7.1km s-min=3.9km az=158.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes station names, coordinates, and times.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KAKA Kakadu, WRAB Tennant Creek, WB2 Warramunga Arr, etc.

NEIC 26 12:52:25.5-1.6, 6.37S, 128.05E, h334km, 19km, Error ellipse: s-maj=29.5km s-min=12.2km az=56.0

ISC 26 12:52:30.7-3.6, 6.60S, 127.89E, h399km, 42km, mb2.9/4, mb1.3/1.7, mb1mx3.1/1.2, Error ellipse: s-maj=62.0km s-min=11.7km az=61.0

ISC 26 12:52:24.2-1.6, 6.45S, 128.1E, 0.2, h340km, 19km, n12, r063/16, mb3.1/4, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KAKA Kakadu, FITZ Fitzroy Crossi, WRAB Tennant Creek, etc.

NAO 26 12:53:24.3-0.1, 61.02N, 28.98E, ML2.5

HEL 26 12:53:24.2-0.2, 60.90N, 29.05E, ML1.7, ML2.5(NAO), Explosion

BER 26 12:53:25.1-4.0, 60.95N, 29.04E, ML2.5(NAO), Suspected explosion

ISC 26 12:53:23.9-1.1, 60.96N, 0.05, 28.92E, 0.10, n14, r129/25, Finland-Karelia border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FIAO FINESS Array S, FIAO FINESS Array S, FIAO FINESS Array S, etc.

ISC 26 13:08:24.7-7.2, 18.50N, 85.94W, mb3.1/2, mb1.3/8.4, mb1mx3.5/18, ML4.6/2, MS4.2/1, Ms1 4.2/1, ms1mx2.8/10, Error ellipse: s-maj=185.0km s-min=47.2km az=18.0

North of Honduras

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

SOF 26 13:22:21.5, 41.96N, 23.27E, h8km, MD3.7

ATH 26 13:22:21.5, 41.95N, 23.19E, h23km, 2km, MD3.8/5

ISC 26 13:22:19.1, 6.1, 41.88N, 23.45E, mb3.5/5, mb1.3/7.10, mb1mx3.6/22, ML3.5/4, Error ellipse: s-maj=22.8km s-min=16.8km az=155.0

PDG 26 13:22:22.1-0.4, 41.88N, 23.24E, h6km, 2km

PDG Felt at Podgorica III-HV MCS

THE 26 13:22:22.4, 41.90N, 23.29E, h3km, ML4.0

NEIC 26 13:22:23.4-1.1, 41.85N, 23.26E, h12km, 10km, MD3.8(ATH), M3.5(PDG), Error ellipse: s-maj=7.2km s-min=4.2km az=201.0

ISC 26 13:22:12.3-0.4, 41.90N, 0.02, 23.29E, 0.02, h4km, 3km, n103, r114/136, mb3.5/4, 16C-3D, Greece-Bulgaria border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KKB Krupnik, MMB Musoniste, NVR Neurokopi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PLD Plovdiv, SOH Sokhos, RZN Rozhen, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LIT Litokhoron, KZN Kozani, PAIG Pailiouri, etc.

NAO 26 12:53:24.3-0.1, 61.02N, 28.98E, ML2.5

HEL 26 12:53:24.2-0.2, 60.90N, 29.05E, ML1.7, ML2.5(NAO), Explosion

BER 26 12:53:25.1-4.0, 60.95N, 29.04E, ML2.5(NAO), Suspected explosion

ISC 26 12:53:23.9-1.1, 60.96N, 0.05, 28.92E, 0.10, n14, r129/25, Finland-Karelia border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AGG Agios Georgios, ULC Ulcinj, LPK Lapski, etc.

ISC 26 13:08:24.7-7.2, 18.50N, 85.94W, mb3.1/2, mb1.3/8.4, mb1mx3.5/18, ML4.6/2, MS4.2/1, Ms1 4.2/1, ms1mx2.8/10, Error ellipse: s-maj=185.0km s-min=47.2km az=18.0

North of Honduras

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

SOF 26 13:22:21.5, 41.96N, 23.27E, h8km, MD3.7

ATH 26 13:22:21.5, 41.95N, 23.19E, h23km, 2km, MD3.8/5

ISC 26 13:22:19.1, 6.1, 41.88N, 23.45E, mb3.5/5, mb1.3/7.10, mb1mx3.6/22, ML3.5/4, Error ellipse: s-maj=22.8km s-min=16.8km az=155.0

PDG 26 13:22:22.1-0.4, 41.88N, 23.24E, h6km, 2km

PDG Felt at Podgorica III-HV MCS

THE 26 13:22:22.4, 41.90N, 23.29E, h3km, ML4.0

NEIC 26 13:22:23.4-1.1, 41.85N, 23.26E, h12km, 10km, MD3.8(ATH), M3.5(PDG), Error ellipse: s-maj=7.2km s-min=4.2km az=201.0

ISC 26 13:22:12.3-0.4, 41.90N, 0.02, 23.29E, 0.02, h4km, 3km, n103, r114/136, mb3.5/4, 16C-3D, Greece-Bulgaria border region

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EBEN Beniarda, EBEN Beniarda, EMUR La Murta, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ETOB Tobarra, ETOB Tobarra, EMOS Mosqueruela, etc.

NAO 26 12:53:24.3-0.1, 61.02N, 28.98E, ML2.5

HEL 26 12:53:24.2-0.2, 60.90N, 29.05E, ML1.7, ML2.5(NAO), Explosion

BER 26 12:53:25.1-4.0, 60.95N, 29.04E, ML2.5(NAO), Suspected explosion

ISC 26 12:53:23.9-1.1, 60.96N, 0.05, 28.92E, 0.10, n14, r129/25, Finland-Karelia border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JEM Erimo, JCH Churui, JCH Churui, etc.

NAO 26 12:53:24.3-0.1, 61.02N, 28.98E, ML2.5

HEL 26 12:53:24.2-0.2, 60.90N, 29.05E, ML1.7, ML2.5(NAO), Explosion

BER 26 12:53:25.1-4.0, 60.95N, 29.04E, ML2.5(NAO), Suspected explosion

ISC 26 12:53:23.9-1.1, 60.96N, 0.05, 28.92E, 0.10, n14, r129/25, Finland-Karelia border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KMBO Kilima Mbogo, KOLN Koldanda, DMN DMN, etc.

ISC 26 14:32:35.0-1.0, 0.49N, 66.80E, mb4.2/13, mb1.4/3.1, mb1mx4.2/19, MS3.3/3, Ms1 3.5/3, ms1mx3.1/17, Error ellipse: s-maj=36.9km s-min=17.2km az=52.0

NEIC 26 14:32:37.5-0.3, 0.73N, 67.08E, h10km, Error ellipse: s-maj=12.9km s-min=10.8km az=63.0

ISC 26 14:32:35.9-0.5, 0.65N, 0.08, 66.95E, 0.10, h10km, n37, r123/23, mb4.3/21, MS3.3/3, Carlsberg Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KMBO Kilima Mbogo, KOLN Koldanda, DMN DMN, etc.

ISC 26 14:08:04.9, 94.2, 20.28S, 170.57E, mb3.8/4, mb1.4/0.4, mb1mx3.9/12, Error ellipse: s-maj=184.0km s-min=33.5km az=146.0

ISC 26 14:08:18.1-2.1, 19.1S, 0.3, 169.6E, 0.4, h33km, n6, r134/8, mb3.8/4, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, NOUC Port Laguerre, NOUC Port Laguerre, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for IDC 26 14:47.51, IDC 26 14:47.43, IDC 26 15:04:55.5, etc.

NEIC 26 15:04:55.5, 53.58N, 159.18W, h10km, mb3.71, ML3.8(AE), After AEIC.

IDC 26 15:04:58.3, 1.3, 53.48N, 157.67W, mb3.8/7, mb1 4.0/9, mb1mx3.8/24, ML3.9/2, Error ellipse: s-maj=28.4km

s-min=15.6km az=132.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for SDN Sand Point, SDPT Sand Point, DOL Dolgoi Island, etc.

NAO 26 15:09:55.4, 1.7, 67.04N, 21.23E, ML2.0

HEL 26 15:09:55.7, 0.1, 67.07N, 21.03E, ML2.0, ML2.3(UPP), ML1.6(BER), Explosion

IDC 26 15:09:55.8, 0.7, 67.00N, 21.35E, mb1 3.1/5, mb1mx3.0/20, ML2.3/5, Error ellipse: s-maj=13.4km

s-min=6.0km az=111.0

BER 26 15:09:56.4, 3.7, 67.09N, 20.87E, ML1.6, ML2.0(NAO), Suspected explosion

ISC 26 15:09:52.0, 4.0, 5.67, 02N, 0.02-20.73E, 0.10, n29, e1966/46, Sweden

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for KIF Kilpisjärvi, KTK1 Kautokeino, etc.

Table with columns: TRO, AML, AML, 15 11 25.2. Includes entries for OUL Oulu, LOFOTEN ARCES Array S, ARCS, etc.

DJA 26 15:12:10.8, 0.9, 9.58S, 115.20E, h30km, MD5.3/4, ML4.0/2, 6C-2D, Error ellipse: s-maj=19.4km

s-min=10.7km az=4.0, South of Ball

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for INGI Ingas, RATI Rata, KEDI Kedondong, etc.

GUC 26 15:13:09.8, 0.5, 28.53S, 67.55W, h150km

IDC 26 15:13:11.9, 6.0, 28.75S, 68.02W, h132km, 50km, mb3.1/1, mb1 3.3/4, mb1mx3.2/14, Error ellipse: s-maj=72.9km

s-min=34.1km az=41.0

NEIC 26 15:13:13.7, 0.7, 28.68S, 67.78W, h149km, 10km, Error ellipse: s-maj=14.9km s-min=6.9km az=104.0

ISC 26 15:13:13.2, 0.8, 28.67S, 67.78W, 0.1, h157km, 18km, n16, c15/15, mb3.0/1, 3C-2D, La Rioja Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for OVCH Ovale, CMCH Combarbala, MDZ Mendoza, etc.

MAN 26 16:04:00.0, 13.65SN, 120.65E, h108km, mb3.8, ML2.6, MS2.1, Mindoro

DJA 26 16:05:35.2, 0.7, 9.98S, 114.07E, h30km, MD5.0/4, Error ellipse: s-maj=20.7km s-min=8.2km az=28.0

IDC 26 16:05:44.3, 0.6, 8.62S, 114.62E, h96km, 4km, mb4.8/20, mb1 4.9/21, mb1mx1.9/22, MS3.8/3, Ms1 3.9/3, ms1mx3.2/4, Error ellipse: s-maj=16.8km s-min=8.6km

az=54.0

SYO 26 16:05:45.5, 0.6, 8.66S, 114.63E, h107km, MB5.0

HRVD 26 16:05:45.5, 0.5, 9.06S, 114.66E, h106km, 5km, MW4.9/51, Centroid moment Tensor Solution, LP body waves

s17, c18, Mantle waves: s51, c78; Hair duration: 0 Moment tensor: Scale 10^19Nm; Mr1: 4.5E+16; Mw: 0.8E+16; Ms: 2.3E+16; Mw-1.5E+08; Mw-1.0E+14; Mw-0.3E+12; Best double couple: M2: 8x10^16; NP1: 1.3E+18; M3: 1.4E+19; NP2: 3.1E+17; M6: 1.5E+17; Principal axes: T: 2.7, P: 1.7, N: 1.5, Azm177; N: 15, P: 137, Azm327; P-2, 92, P15; Azm69; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 26 16:05:45.5, 0.5, 8.66S, 114.63E, h107km, 4km, mb5.0/21 Error ellipse: s-maj=8.9km s-min=5.4km az=48.0

NEIC Felt [I] at Denpasar. Also felt [III] at Banyuwangi, Java. BUJ 26 16:05:45.5, 8.70S, 114.60E, h107km, mb5.0, mb4.9

MOS 26 16:05:50.2, 1.1, 8.82S, 114.50E, h177km, mb4.4/12, Error ellipse: s-maj=19.9km s-min=9.9km az=112.9

ISC 26 16:05:45.0, 0.5, 8.68S, 0.04-114.61E, 0.05, h118km, 4km, h99km, 3.8km, pp-P, n186, c15/12/159, mb4.9/56, 21C-11D, Bali region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for KELI Kelakatan, INGS Ingas, RATI Rata, KEDI Kedondong, etc.





26d 17h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for WRA, ASAR, YBH, NVAR, ILAR, ARCES, GERES.

NEIC 26 16:57:11.4, 46.60N, 10.30E, h9km, MD2.2(ROM), ML2.3(ZUR), ML2.1(VIE), After: ZUR, ZUR 26 16:57:11.4, 46.64N, 10.28E, h8km, ML2.3/6 ROM 26 16:57:13.1, 0.3, 46.63N, 10.36E, h10km, 1km, MD2.2(3, ML1.6/3, Error ellipse: s-maj=2.4km s-min=1.8km az=2.0

ISC 26 16:57:10.7, 0.4, 46.66N, 0.02, 10.35E, 0.03, h8km, 6km, n26, c075/44, 6C-6D, Northern Italy

Main table for 26d 17h containing station data for various regions including Northern Italy, Greece, and the Aeolian Islands.

MOS 26 16:57:38.8, 1.6, 36.48N, 26.53E, h193km, mb3.9/5, Error ellipse: s-maj=14.8km s-min=9.4km az=77.0 IDC 26 16:57:38.5, 0.8, 36.69N, 26.67E, h153km, 12km, mb3.7/9, mb1.3/9/16, mb1mx3.7/27, Error ellipse: s-maj=15.3km s-min=11.4km az=22.0

ATH 26 16:57:39.2, 36.65N, 26.75E, h157km, 2km, ML3.8 NEIC 26 16:57:39.2, 36.65N, 26.75E, h157km, mb4.0/17, After ATH.

NIC 26 16:57:40.7, 0.2, 36.96N, 27.16E, h56km, mb4.1, ML3.5, MW3.3 ISK 26 16:57:41.9, 36.76N, 26.81E, h138km, MD3.6 THE 26 16:57:45.2, 36.94N, 26.75E, h90km, ML4.1

ISC 26 16:57:38.0, 0.1, 36.62N, 0.02, 26.76E, 0.02, h168km, 2km, n176, c15/02/21, mb4.2/16, 6C-5D, Dodecanese Islands

Main table for 26d 17h containing station data for the Dodecanese Islands and other regions.

2004 APR

Main table for 2004 APR containing station data for various regions including Greece, Italy, and the Aeolian Islands.

Main table for 2004 APR containing station data for various regions including Greece, Italy, and the Aeolian Islands.

JMA 26 17:05:46.6, 0.1, 24.73N, 122.10E, h66km, M2.5 TAP 26 17:05:48.0, 24.66N, 122.03E, h60km, 1km, ML3.0 ISC 26 17:05:46.2, 2.9, 24.8N, 0.6, 122.1E, 0.3, h60km, n4, c019/18, Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for YOJ, IRIF, JKRJ, JJJ.

GUC 26 17:25:09.7, 0.6, 31.18S, 69.25W, h125km, 57km, MD3.3, ML3.5, 1C-2D, San Juan Province

Main table for GUC 26 17:25:09.7, 0.6, 31.18S, 69.25W, h125km, 57km, MD3.3, ML3.5, 1C-2D, San Juan Province.

IDC 26 17:37:05.2, 7.7, 36.83S, 95.98W, mb4.2/8, mb1.4/6/8, mb1mx4.4/15, MS4.0/13, Ms1.4/0.13, ms1mx3.9/19, Error ellipse: s-maj=78.5km s-min=22.0km az=23.0

NEIC 26 17:37:06.4, 0.5, 36.99S, 95.99W, h10km, mb4.2/5, Error ellipse: s-maj=14.9km s-min=9.8km az=62.0

ISC 26 17:37:04.9, 0.7, 37.05S, 0.1, h10km, n34, c074/25, mb4.2/10, MS4.0/13, 6C-1D, West Chile Rise

Main table for ISC 26 17:37:04.9, 0.7, 37.05S, 0.1, h10km, n34, c074/25, mb4.2/10, MS4.0/13, 6C-1D, West Chile Rise.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like South Pole Qui, VNA3 Neumayer Olymp, VNA1 Neumayer-Stat, etc.

KRSC 26 17:56:45.2±1.1, 50.03N-156.05E, h62km±10km, ML3.8, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like SKR Severo-Kuril's, ALID Alaid, PAU Pauzhetka, etc.

DJA 26 17:59:36.5±1.0, 7.65S-117.41E, h30km, MD4.7/3, ML4.3/2, 3C-4D, Error ellipse: s-maj=33.9km

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like KEDI Kedomong, KEDI 344nm,0.2s, RATA Rata, etc.

ROM 26 18:11:59.5±0.4, 45.12N, h10km±3km, MD2.8/5, ML2.1/5, Error ellipse: s-maj=7.3km s-min=2.6km az=90.0

NEIC 26 18:12:02.0±0.2, 45.06N, h2km, MD2.8/2, MI2.9/2/3, Error ellipse: s-maj=3.1km s-min=2.4km az=101.0

NEIC 26 18:12:02.0±0.5, 45.06N, h2km, MD2.8(ROM), ML3.1(GCM), ML2.9(DC), ML2.7(SD), After LDC

ISC 26 18:11:59.5±0.2, 45.09N, 0.0±0.7, 36E±0.02, h9km±2km, n82, ±126±15.1, 14C-2D, Northern Italy

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like RSP Reno Superiore, FENE Fenestrelle, BHB Bricherasio, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like SAOF Saorge, GRN Grenoble, OG25 Le Caire, etc.

LMR La Moure

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like LMR La Moure, CODM Saint-Julien-I, VIVF Saint-Julien-I, etc.

HAU Haudompre

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like HAU Haudompre, ECH Echery, LOR Lormes, etc.

WLS Welschbruch, SSF Saint Saule, SSF 5.9nm,0.3s, BGF Bois d'Angland, etc.

CAF Calvaci, CAF 15nm,0.3s, CAF 4.8nm,0.5s, etc.

MTLF Montolieu, RLF Les Rejaudoux, BAIF Baives, etc.

JMA Felt II JI, NEIC 26 18:17:26.1±0.9, 41.33N, 142.05E, h81km±8km, mb4.4/9, Error ellipse: s-maj=11.3km s-min=7.6km az=117.0

NEIC Recorded [1 JMA] in Aomori Prefecture, Honshu, ISC 26 18:17:23.0±0.3, 41.34N, 142.03E±0.05, h71km±3km, n70, ±0.94/77, mb4.0/2, 10C-8D, Hokkaido region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like JOT Ohata, JTM Tenabayashi, JTK Kayabe, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like JSS Yuzh-Sakhalins, JFR Furan, JOM Ohasama, etc.

KRSC 26 18:30:57.3±1.1, 54.83N-164.29E, h40km±6km, ML3.8, Komandorsky Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Residual. Includes stations like BKI Bering, BKJ Krutoberegovo, KBT Krutoberegovo, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like MYR Shipunski, NLY Nalytchevo, ESSO, SMAR Somma, UGLR Ugllovaya, AVH Avacha, KOK Koryaka, PET Petropavlovsk, GNL Ganaly, RUS Russkaya, GRG Gorelyy, MIPR Malaya Ipe'l'ka.

IDC 26 18:35:41.6: 1.6, 3.2, 30Sx177.03W, mb3.9/4, mb1 4.0/6, mb1mx4.0/16, ML3.7/2, Error ellipse: s-maj=54.6km s-min=25.5km az=138.0

NEIC 26 18:35:44.1: 0.37, 3.2, 16Sx177.30W, h10km, mb4.8/3, Error ellipse: s-maj=20.3km s-min=16.5km az=119.0

ISC 26 18:35:51.6: 2.1, 32.54S, 0.09, 177.9W, 0.2, h49km, 17km, n32, e1818/30, mb4.3/7, SC-1D, South of Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like PUK Puketiti, WRR Warrunganga Arr, URZ Urewera, MRZ Mangatoinaka R, THZ Topohuse, KHZ Kahutara, KHZ Lake Taylor, RPZ Rata Peaks, STKA Stephens Creek, ASAR Alice Springs, WRAB Tennant Creek, WRA Warrunganga Arr, FITZ Fitzroy Crossi, QSPA South Pole Qui, SNA Snae, VNA Neumayer Olymp, VNA2 Neumayer-Watz, VNA3 Neumayer-Watz, VNA1 Neumayer-Stat, KS15 Wonju Arr, LTX Lajitas, KAF Kangasniemi, FINES FINES Array B, FINES FINES Array B, NB2 NORSTAR Subarray, HFS Hagfors, AKASG Malin Array Be.

IDC 26 18:37:56.2: 1.1, 4.33S, 75.52W, mb4.1/7, mb1 4.3/10, mb1mx4.1/20, ML4.2/2, MS3.5/3, Ms1 3.5/3, ms1mx3.1/17, Error ellipse: s-maj=41.7km s-min=22.8km az=75.0

NEIC 26 18:37:59.1: 2.7, 4.33S, 75.51W, h19km, 16km, mb4.5/18, MS4.1/1, Error ellipse: s-maj=12.9km s-min=7.6km az=52.0

ISC 26 18:37:55.8: 4.2, 4.33S, 0.1, 75.6W, 0.1, h8km, 25km, n51, e079/37, mb4.3/24, MS3.5/2, Northern Phe

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like OTAV Otavalo, ROSC El Rosal, LPAZ La Paz, LPAZ La Paz, PCRV Puerto La Cruz, CPUP Villa Florida, BDFB Brasilia, PLCA Paso Flores, SIUC Southern Illin, FVM French Village, WMOK Wichita Mounta, SDCO Great Sand Dun, SRU San Rafael, RSSD Black Hills, PDAR Piedale Array, HWUT Hardware Ranch, NVAR Mina Array Be, SCHO Schefferville, YBH Yreka Blue Hor, NEW Newport, DBC Dimbork, YKA Yellowknife Ar, RES Resolute Bay, ROSF Rostrenen, SJPF Ste Jean, INK Inuvik.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like INK Inuvik, GRR Gorron, MFF Saint Martin d, LFF La Freliste, FLN La Foliniere, LDF La Drutiere, RJF Les Rejaudoux, MTLF Montoleu, CAF Calvac, LASF Ste Croix, LOR Lormes, ILAR Eielson Array, ZRNK Zelenda, ZRAL Zalesovo, MKAR Makanchi Array, ASAR Alice Springs, WRA Warrunganga Arr, WRA Warrunganga Arr, DANN Danning, KOLN Koldanda, GKN Gorkha, KKN Kakani, DMN Daman, PKI Pulchoki.

CASC 26 18:44:50.7: 6.6, 9.48N, 83.66W, h3km, 20km, MD4.1, MW4.3, 4C-6D, Costa Rica

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like BUS Buena Vista, URS Urasca, LCR2 La Lucha 2, IJR Volcan Irazu, LAJ Lajitas, SCS Escuela Geolog, VPS2 Volcan Poas 2, CGAZ Cerro Gallo 2, ACR Cerro Adams, TRTC Tortuguero, BRUZ Volcan, LAJ Lajitas, FORC Fortuna, JCR Jicaral, VCR Vista de Mar, CRZC La Cruz, AZU Azuero, ACH Altos, UPA Univ. de Panam.

IDC 26 18:46:15.5: 1.1, 34.66N, 23.73E, mb3.9/12, mb1 4.0/20, mb1mx4.0/29, ML3.9/7, MS3.0/2, Ms1 3.1/2, ms1mx2.7/23, Error ellipse: s-maj=21.8km s-min=11.5km az=174.0

ATH 26 18:46:18.8, 34.69N, 23.83E, h18km, 4km, MD3.8/9, ML3.9 NEIC 26 18:46:18.8, 34.69N, 23.83E, h18km, mb4.1/15, ML3.9(ATH), After ATH.

THE 26 18:46:21.1, 34.82N, 23.73E, h10km, ML3.5 ISC 26 18:46:17.5: 0.4, 34.58N, 0.04, 23.77E, 0.03, h18km, n90, e145/37, mb4.0/22, MS3.2/1, SC, Crete

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like GAVD Gavdhos, VAM Vamos, IDI Anoyia, NPS Neapolis, KYTH Kythira, THR6 Thira Island, THR5 Thira Island, THR3 Thira Island, THR4 Thira Island, APE Apeiranthos, PTL Penteli, BDRM Kybassy, VER Verkeia, AGG Agios Georgios, AOS Alonnissos, EVR Evrytania, KDC Kerkira, XOR XORichti, LKD Levkas, DNZL Zakarioul, ELL Elmal, MEV Metsovno, LIT Litokhoron, IGT Igoumenitsa, GRG Griva, FNA Florina, SRS Serrai, KNT Kendrickon, MMB Musomiste, RZN Rozhen, VTS Vitoshka, VAE Valguerna, EIL Eliat, EIL Eliat, MLR Muntele Rosu, ASF Jabal al Asfar, ASF Asfar, PGF Pogonitsa, VRAC Vratsa, SBF Sospel, OKC Otrava-Krasne, DAVOX Davos, GECZ Geres Array S, GERES Geres Array B, KHC Kasperske Hory.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like KHC Kasperske Hory, MBDF Montbardon, AKASG Malin Array Be, WET Wetzstein, DPC Dobruska-Polom, PRU Pruhonice, UPT Uptons, GRAT Grafenberg Arr, BRG Berggiesshubel, CABF La Chapelle, HINF Hinterfeld, MOX Moxa, MOX Moxa, MOX Moxa, MOX Moxa, CLL Collm, HAU Haudompp, HAU Haudompp, SUW Suwalki, SSF Saint Sauge, TCF Touk Ste Croi, BIFF Biff Martin d, LDF La Drutiere, ESDC Seneca Array, FLN La Foliniere, GRR Gorron, QUIF Quistino, ROSF Rostrenen, HFS Hagfors, FINES FINES Array B, NB2 NORSTAR Subarray, NOA NORSTAR Array B, ARCES ARCES Array B, ARCES ARCES, KURK Kurchatov, MKAR Makanchi Array, ZAL Zalesovo, DANN Danning, GKN Gorkha, DMN Daman, KKN Kakani, SONM Songo Array, SCHO Schefferville, CMAR Chiang Mai Arr, INK Inuvik, YKA Yellowknife Ar, YKA Yellowknife Ar.

KRSC 26 19:08:06.8: 1.1, 50.07N, 155.91E, h59km, 13km, ML3.8, Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like SKR Severo-Kuril's, SKR Severo-Kuril's, ALID Alaid, PAU Pauzhetka, MIPR Malaya Ipe'l'ka, GRL Gorelyy, RUS Russkaya, UGLR Ugllovaya, KOK Koryaka, AVH Avacha, SMAR Somma, GNL Ganaly, KBTR Krutoberegovo.

IDC 26 19:59:20.7: 7.8, 0.86S, 146.32E, mb3.6/3, mb1 3.9/3, mb1mx3.6/12, Error ellipse: s-maj=282.0km s-min=27.7km az=95.0, Admiralty Islands Region

IDC 26: 20:11.9: 4.3, 18.30S, 173.84W, mb4.0/5, mb1 4.4/5, mb1mx4.0/16, Error ellipse: s-maj=317.0km s-min=22.8km az=153.0, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like WRA Warrunganga Arr, AS12 Alice Springs, ASAR Alice Springs, FITZ Fitzroy Crossi, NVAR Mina Array Be, PDAR Piedale Array, ARCES ARCES Array B.

IDC 26: 20:22: 22.7, 1.8, 4.81S, 145.97E, mb4.3/5, mb1 4.6/8, mb1mx4.0/16, Error ellipse: s-maj=50.6km

NEIC 26: 20:27: 36.5, 1.4, 5.60S, 147.02E, h18km, 12km, mb4.8/5, Error ellipse: s-maj=29.9km s-min=16.1km az=100.0

ISC 26: 20:27: 34.6: 1.2, 5.53S, 0.09, 147.2E, 0.2, h181km, 14km, n18, e106/23, mb4.1/6, 2D, Eastern New Guinea region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like WAU Wau, PMG Port Moresby.

Code	Station Name	$\Delta^\circ$	AZ $^\circ$	Phase	ID	Time h m s	Res ISC
PMG	20m,0.3s,baz=242,slow=22,SNR=18					20 29 19.5	-1.2
PMG	Port Moresby	3.85	117	eP	P	20 28 35.2	+0.7
PMG	Charters Tower	14.50	184	eS	Pn	20 29 19.8	-0.9
CTA	0.4m,0.3s,baz=0.7,slow=18,SNR=3.7					20 30 58.6	+6.1
CTA	Charters Tower	14.50	184	eP	P	20 30 51.5	-1.0
KAKA	Kakadu	16.26	243	eP	P	20 31 12.8	-1.6
WRAB	Tennant Creek	19.01	220	eP	P	20 31 44.4	-0.4
WB2	Warramunga Arr	19.02	220	eP	P	20 31 44.7	-0.1
WB2	Warramunga Arr	19.02	220	eP	P	20 35 06.3	0.0
WRA	4.6m,0.3s,baz=4.1,slow=12,SNR=17.2					20 31 44.5	-0.4
WRA	4.0m,0.3s,baz=44,slow=19,SNR=6.1					20 35 08.3	+1.9
AS12	Alice Springs	22.12	214	eP	P	20 32 17.6	+1.8
ASAR	Alice Springs	22.12	214	eP	P	20 32 17.8	+1.9
ASAR	3.9m,0.8s,baz=28,slow=23,SNR=6.6					20 36 11.3	+8.6
FITZ	Fitzroy Crossi	24.49	238	eP	P	20 32 38.4	-0.3
FITZ	Fitzroy Crossi	24.49	238	eP	P	20 32 38.0	-0.7
STKA	Stephens Creek	26.73	191	eP	P	20 33 09.9	+1.1
NWAO	Narogin (SRO)	39.01	222	eP	P	20 34 43.2	-1.9
ULN	Ulanbator	63.80	331	eP	P	20 37 49.7	+0.2
SOMM	Songino Array	64.10	331	eP	P	20 37 51.9	+0.4
MKAR	Makanchi Array	77.27	320	eP	P	20 39 10.5	0.0

20m,0.3s,baz=242,slow=22,SNR=18  
1.3m,0.3s,baz=11,slow=5.2,SNR=3.9  
0.3m,0.3s,baz=352,slow=14,SNR=4.2

2.8m,1.2s  
1.7m,0.8s,baz=184,slow=4.7,SNR=5.3

1.4m,0.7s,baz=24,slow=9.1,SNR=12

0.3m,0.4s,baz=11,slow=26,SNR=6.0

0.3m,0.3s,baz=153,slow=3.2,SNR=4.1

0.4m,0.7s,baz=2,slow=17,slow=6.4,SNR=3.7

0.1m,0.3s,baz=146,slow=18,SNR=3.4

0.0m,0.3s,baz=349,slow=12,SNR=3.5

0.1m,0.3s,baz=334,slow=21,SNR=4.7

0.2m,0.3s,baz=349,slow=11,SNR=10.0

0.7m,0.7s,baz=8,slow=135,slow=8.2,SNR=6.0

0.1m,0.3s,baz=146,slow=18,SNR=3.4

0.0m,0.3s,baz=349,slow=12,SNR=3.5

0.1m,0.3s,baz=334,slow=21,SNR=4.7

0.2m,0.3s,baz=349,slow=11,SNR=10.0

0.7m,0.7s,baz=8,slow=135,slow=8.2,SNR=6.0

0.1m,0.3s,baz=146,slow=18,SNR=3.4

0.0m,0.3s,baz=349,slow=12,SNR=3.5

0.1m,0.3s,baz=334,slow=21,SNR=4.7

0.2m,0.3s,baz=349,slow=11,SNR=10.0

0.7m,0.7s,baz=8,slow=135,slow=8.2,SNR=6.0

0.1m,0.3s,baz=146,slow=18,SNR=3.4

0.0m,0.3s,baz=349,slow=12,SNR=3.5

0.1m,0.3s,baz=334,slow=21,SNR=4.7

0.2m,0.3s,baz=349,slow=11,SNR=10.0

0.7m,0.7s,baz=8,slow=135,slow=8.2,SNR=6.0

0.1m,0.3s,baz=146,slow=18,SNR=3.4

0.0m,0.3s,baz=349,slow=12,SNR=3.5

0.1m,0.3s,baz=334,slow=21,SNR=4.7

0.2m,0.3s,baz=349,slow=11,SNR=10.0

0.7m,0.7s,baz=8,slow=135,slow=8.2,SNR=6.0

0.1m,0.3s,baz=146,slow=18,SNR=3.4

0.0m,0.3s,baz=349,slow=12,SNR=3.5

0.1m,0.3s,baz=334,slow=21,SNR=4.7

0.2m,0.3s,baz=349,slow=11,SNR=10.0

0.7m,0.7s,baz=8,slow=135,slow=8.2,SNR=6.0

0.1m,0.3s,baz=146,slow=18,SNR=3.4

0.0m,0.3s,baz=349,slow=12,SNR=3.5

0.1m,0.3s,baz=334,slow=21,SNR=4.7

0.2m,0.3s,baz=349,slow=11,SNR=10.0

0.7m,0.7s,baz=8,slow=135,slow=8.2,SNR=6.0

0.1m,0.3s,baz=146,slow=18,SNR=3.4

0.0m,0.3s,baz=349,slow=12,SNR=3.5

0.1m,0.3s,baz=334,slow=21,SNR=4.7

0.2m,0.3s,baz=349,slow=11,SNR=10.0

0.7m,0.7s,baz=8,slow=135,slow=8.2,SNR=6.0

0.1m,0.3s,baz=146,slow=18,SNR=3.4

0.0m,0.3s,baz=349,slow=12,SNR=3.5

0.1m,0.3s,baz=334,slow=21,SNR=4.7

0.2m,0.3s,baz=349,slow=11,SNR=10.0

0.7m,0.7s,baz=8,slow=135,slow=8.2,SNR=6.0

0.1m,0.3s,baz=146,slow=18,SNR=3.4

0.0m,0.3s,baz=349,slow=12,SNR=3.5

0.1m,0.3s,baz=334,slow=21,SNR=4.7

0.2m,0.3s,baz=349,slow=11,SNR=10.0

0.7m,0.7s,baz=8,slow=135,slow=8.2,SNR=6.0

0.1m,0.3s,baz=146,slow=18,SNR=3.4

0.0m,0.3s,baz=349,slow=12,SNR=3.5

0.1m,0.3s,baz=334,slow=21,SNR=4.7

0.2m,0.3s,baz=349,slow=11,SNR=10.0

0.7m,0.7s,baz=8,slow=135,slow=8.2,SNR=6.0

Code	Station Name	$\Delta^\circ$	AZ $^\circ$	Phase	ID	Time h m s	Res ISC
YKA	Yellowknife Arr	90.16	24	eP	P	21 04 57.8	+0.1
YKA	0.0m,0.3s,baz=239,slow=4.9,SNR=6.8						
YKA	12.65	215	eP	P	20 58 17.6	-5.8	
WB2	Warramunga Arr	18.29	197	eP	P	20 59 33.7	-2.6
WRA	Warramunga Arr	18.29	197	eP	P	20 59 34.4	-1.9
WRA	0.3m,0.3s,baz=20,slow=12,SNR=12					20 03 17.7	+1.9
FITZ	Fitzroy Crossi	20.95	221	eP	P	21 00 03.7	-2.7
FITZ	Fitzroy Crossi	20.95	221	eP	P	21 00 03.7	-2.6
FITZ	2.8m,0.3s,baz=35,slow=6.7,SNR=8.3					21 04 06.8	+1.1
FITZ	1.7m,0.8s,baz=184,slow=4.7,SNR=5.3					21 00 15.1	-1.4
ASAR	Alice Springs	21.95	195	eP	P	21 04 26.9	+1.2
ASAR	1.4m,0.7s,baz=24,slow=9.1,SNR=12					21 04 26.9	+1.2
SOMM	Songino Array	57.89	334	eP	P	21 05 13.0	-2.3
SOMM	0.3m,0.3s,baz=153,slow=3.2,SNR=4.1						

2.8m,1.2s  
1.7m,0.8s,baz=184,slow=4.7,SNR=5.3

1.4m,0.7s,baz=24,slow=9.1,SNR=12

0.3m,0.4s,baz=11,slow=26,SNR=6.0

0.3m,0.3s,baz=153,slow=3.2,SNR=4.1

0.4m,0.7s,baz=2,slow=17,slow=6.4,SNR=3.7

0.1m,0.3s,baz=146,slow=18,SNR=3.4

0.0m,0.3s,baz=349,slow=12,SNR=3.5

0.1m,0.3s,baz=334,slow=21,SNR=4.7

0.2m,0.3s,baz=349,slow=11,SNR=10.0

0.7m,0.7s,baz=8,slow=135,slow=8.2,SNR=6.0

0.1m,0.3s,baz=146,slow=18,SNR=3.4

0.0m,0.3s,baz=349,slow=12,SNR=3.5

0.1m,0.3s,baz=334,slow=21,SNR=4.7

0.2m,0.3s,baz=349,slow=11,SNR=10.0

0.7m,0.7s,baz=8,slow=135,slow=8.2,SNR=6.0

0.1m,0.3s,baz=146,slow=18,SNR=3.4

0.0m,0.3s,baz=349,slow=12,SNR=3.5

0.1m,0.3s,baz=334,slow=21,SNR=4.7

0.2m,0.3s,baz=349,slow=11,SNR=10.0

0.7m,0.7s,baz=8,slow=135,slow=8.2,SNR=6.0

0.1m,0.3s,baz=146,slow=18,SNR=3.4

0.0m,0.3s,baz=349,slow=12,SNR=3.5

0.1m,0.3s,baz=334,slow=21,SNR=4.7

0.2m,0.3s,baz=349,slow=11,SNR=10.0

0.7m,0.7s,baz=8,slow=135,slow=8.2,SNR=6.0

0.1m,0.3s,baz=146,slow=18,SNR=3.4

0.0m,0.3s,baz=349,slow=12,SNR=3.5

0.1m,0.3s,baz=334,slow=21,SNR=4.7

0.2m,0.3s,baz=349,slow=11,SNR=10.0

0.7m,0.7s,baz=8,slow=135,slow=8.2,SNR=6.0

0.1m,0.3s,baz=146,slow=18,SNR=3.4

0.0m,0.3s,baz=349,slow=12,SNR=3.5

0.1m,0.3s,baz=334,slow=21,SNR=4.7

0.2m,0.3s,baz=349,slow=11,SNR=10.0

0.7m,0.7s,baz=8,slow=135,slow=8.2,SNR=6.0

0.1m,0.3s,baz=146,slow=18,SNR=3.4

0.0m,0.3s,baz=349,slow=12,SNR=3.5

0.1m,0.3s,baz=334,slow=21,SNR=4.7

0.2m,0.3s,baz=349,slow=11,SNR=10.0

0.7m,0.7s,baz=8,slow=135,slow=8.2,SNR=6.0

0.1m,0.3s,baz=146,slow=18,SNR=3.4

0.0m,0.3s,baz=349,slow=12,SNR=3.5

0.1m,0.3s,baz=334,slow=21,SNR=4.7

0.2m,0.3s,baz=349,slow=11,SNR=10.0

0.7m,0.7s,baz=8,slow=135,slow=8.2,SNR=6.0

0.1m,0.3s,baz=146,slow=18,SNR=3.4

0.0m,0.3s,baz=349,slow=12,SNR=3.5

0.1m,0.3s,baz=334,slow=21,SNR=4.7

0.2m,0.3s,baz=349,slow=11,SNR=10.0

0.7m,0.7s,baz=8,slow=135,slow=8.2,SNR=6.0

0.1m,0.3s,baz=146,slow=18,SNR=3.4

0.0m,0.3s,baz=349,slow=12,SNR=3.5

0.1m,0.3s,baz=334,slow=21,SNR=4.7

0.2m,0.3s,baz=349,slow=11,SNR=10.0

0.7m,0.7s,baz=8,slow=135,slow=8.2,SNR=6.0

0.1m,0.3s,baz=146,slow=18,SNR=3.4

0.0m,0.3s,baz=349,slow=12,SNR=3.5

0.1m,0.3s,baz=334,slow=21,SNR=4.7

0.2m,0.3s,baz=349,slow=11,SNR=10.0

0.7m,0.7s,baz=8,slow=135,slow=8.2,SNR=6.0

0.1m,0.3s,baz=146,slow=18,SNR=3.4

0.0m,0.3s,baz=349,slow=12,SNR=3.5

0.1m,0.3s,baz=334,slow=21,SNR=4.7

0.2m,0.3s,baz=349,slow=11,SNR=10.0

0.7m,0.7s,baz=8,slow=135,slow=8.2,SNR=6.0

Code	Station Name	$\Delta^\circ$	AZ $^\circ$	Phase	ID	Time h m s	Res ISC
KSP	Ksiaz	1.92	293	eSg	Sg	22 34 49.7	+0.5
KSP	Ksiaz	1.92	293	ePn	Pn	22 34 23.0	+3.5
KSP	Ksiaz	1.92	293	ePn	Pn	22 34 26.0	+2.4
KSP	Ksiaz	1.92	293	ePn	Pn	22 34 50.0	+5.2
KSP	Ksiaz	1.92	293	ePn	Pn	22 34 23.3	+3.8
KSP	Ksiaz	1.92	293	ePn	Pn	22 34 26.1	+2.5
KSP	Ksiaz	1.92	293	ePn	Pn	22 34 46.3	+1.5
KSP	Ksiaz	1.92	293	ePn	Pn	22 34 49.7	+0.5
KSP	Ksiaz	1.92	293				



27d Oh

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like Villa Florida, Ponte de Pedra, Torquist, Paso Flores, etc.

2004 APR

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like Holter Researc, Wild Horse Val, Modoc, Chamberlain Mo, etc.

622

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like Beijing, Lanzhou, Chiang Mai Arr, Kuning, etc.





Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include INGI, KELI, RATI, KEDI.

DJA 27 01:54:32.7±1.0, 8.51S-114.92E, h30km, 8km, MD4.9/3, 5C-2D, Error ellipse: s-maj=30.8km s-min=11.0km

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include INGI, KELI, RATI, KEDI.

IDC 27 02:06:24.9±2.1, 14.70N-94.11W, mb3.6/5, mb1.4/0.6, m1mx3.7/19, ML3.4/1, Error ellipse: s-maj=169.0km

NEIC 27 02:06:28.0±2.4, 14.98N-93.89W, h10km, Error ellipse: s-maj=41.7km s-min=19.5km az=188.0

MEX 27 02:06:30.0±0.8, 14.70N-94.534W, h20km, 8gkm, MD4.2

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include CMIG, SCX, OXX, TEIG, TXAR, PDAR, NVAR, YKAR, YKAR, ILAR, NOA.

IDC 27 02:20:14.8±4.0, 28.88S×178.19W, mb4.2/3, mb1.4/4/3, m1mx4.0/12, Error ellipse: s-maj=218.0km

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include STKA, ASAR, WBA, WRA, ARCES, KAF, FINES, AKASG.

FUNV 27 02:23:14.7, 10.71N-62.36W, h97km, MW3.5

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include GUVI, GUVI, GUVI, CRUV, TCE, ITEV, TRN, TRN, TRN, TBH, GRW, GRW, TPR, PCRV, RIOV, RIOV, PARV, GURV, GURV, CUPV, BIRV, BIRV, MERV, LUEV, LUEV, CAOV, CAOV, TURV, TURV, BAUV, BAUV, PAVV, PAVV.

DJA 27 03:08:40.2±1.1, 8.22S-114.55E, h30km, 10km, MD5.2/3, ML3.5/2, 2C-3D, Error ellipse: s-maj=56.7km

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include KELI, RATI, KEDI.

NEIC 27 03:47:33.2±0.3, 44.95S-167.57E, h92km, ML3.9(WEL), After WEL

WEL 27 03:47:33.3±0.3, 45.04S×167.44E, h93km, 2km, ML3.9/5, 7C-1D, Error ellipse: s-maj=2.3km s-min=1.7km az=90.0, South Island

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include MSZ, MLZ, MLZ, MLZ, WHZ, WHZ, WHZ, TUZ, TUZ, TUZ, ODZ, ODZ, ODZ, RPZ, RPZ, RPZ, WVZ, WVZ, WVZ, MOZ, MOZ, MOZ, LTA, LTA, LTA, DSZ, DSZ, DSZ, QRZ, QRZ, QRZ.

BER 27 04:06:21.1±2.1, 77.06N-23.88E, h19km, 15km, ML2.3(NAO)

NEIC 27 04:06:21.1, 77.06N-23.88E, h19km, After BER

NAO 27 04:06:21.1, 77.06N-23.88E, h19km, After BER

ISC 27 04:06:19.3±1.3, 7.616N-10.09E, h10km, m4, t124/10, Svalbard region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include SPAO, SPAO, SPAO, SPBA, SPBA, SPBA, SPBA, KBS, KBS, KBS, ARAO, ARAO, ARAO.

IDC 27 04:45:41.6±1.3, 79.97N-122.93E, mb3.5/5, mb1.3/8/6, m1mx3.5/21, ML3.3/1, MS3.2/3, Ms1.3/2/3, ms1mx2.5/25, Error ellipse: s-maj=39.8km s-min=23.2km az=165.0

ISC 27 04:45:41.3±1.1, 79.97N-122.93E, h10km, m8, m19/16, mb3.4/5, MS3.1/3, East of Severnaya Zemlya

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include SPITS, ARCES, ILAR, FINES, MKAR, MKAR, AKASG, BBB, TXAR.

IDC 27 05:06:33.6±0.8, 4.37S-102.02E, mb4.6/12, mb1.4/8/12, m1mx4.6/14, MS3.8/9, Ms1.3/8, ms1mx3.6/14, Error ellipse: s-maj=48.1km s-min=15.5km az=53.0

MOS 27 05:06:37.3±0.8, 4.11S-102.32E, h33km, mb5.1/15, Error ellipse: s-maj=21.8km s-min=9.8km az=109.9

BJI 27 05:06:39.4±4.5, 6S-102.12E, h76km, mb5.2, mb5.1, Ms4.7, Ms2.2

SYO 27 05:06:41.9, 4.28S-102.20E, h61km, MB4.9

NEIC 27 05:06:42.0±0.7, 4.28S-102.20E, h61km, 6km, mb4.9/10, Error ellipse: s-maj=9.2km s-min=5.7km az=59.0

NEIC Felt [V] at Bengkulu

HRVD 27 05:06:42.0±0.9, 4.45S-102.07E, h49km, 2km, MW4.9/23, Centroid moment Tensor Solution, LP body waves: s13,c16; Mantle waves: s23,c30; Half duration: 0 Moment tensor: Scale 10^19Nm; Mr2.35±.27; Mw=1.39±.16; Mw-0.9±.19; Mn0.9±.11; Mw1.12±.14; Mw-0.3±.15; East double couple: M2±1.01±16 NP1±316°±35°±100°; NP2±123°±56°±183°; Principal axes: T 2.54, P1g78°, Azm8°; N-06, Plig6°, Azm127°; P-2.48, Plig10°, Azm218°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

DJA 27 05:07:38.1, 0.32S×100.16E, h23km, MB3.9, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0

ISC 27 05:06:42.2±0.8, 4.16S-102.39E, 0.05, h74km, 6km, h57km, 2.3km, p-P, n152, e099/128, mb4.8/50, 13C-11D, Southern Sumatra

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include KSI, PULI, PULI, PULI, SINI, KGM, GSI, PSI, TSI, IPM, BOCO, BOCO, KLI, KLI, KEDI, BDT, CM51, CMAR, CMAR, CMAR, CMAR, CHG, CHG, CHZ, QIZ, PALK, TGY, FITZ, FITZ, FITZ, ZAL.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include GYA, SHL, WRA, WRA, WRAB, WB2, CD2, CD2, CD2, ENH, LSA, LSA, PKI, GUN, GUN, DANN, XAN, XAN, NJ2, NJ2, NJ2, SSE, SSE, LZH, LZH, ASOR, SONA, SONA, AYAN, AYAN, NDI, BHGR, BHGR, JOSI, JOSI, KHET, KHET, KKR, KLP, JASL, JASL, GTA, GTA, GTA, GTA, GTA, CTAO, CTAO, HHC, HHC, HHC, HHC, HHC, HHC, BJI, BJI, BJI, STKA, STKA, STKA, WMQ, WMQ, WMQ, WMQ, SONM, SONM, SONM, ULAN, ULAN, CN2, CN2, MAJO, MKAR, MKAR, MKAR, MKAR, ZAK, ZAK, KURK, KURK, ZAL, ZAL.

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

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

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

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

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

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



Table with columns: PDAR, Pinedale Array, 60.87 57 P, P, 07 27 20.1 +0.3, comp=2.0, 7mm, 0.8s, mb3.8, slow=1.5, SNR=5.7

IDC 27 07:27:00.71.8, 51.94N-173.66W, mb3.3/3, mb1 3.8/5, mb1mx3.5/24, ML3.6/2, Error ellipse: s-maj=55.9km s-min=16.5km az=177.0

NEIC 27 07:27:08.6, 52.04N-174.02W, h53km, ML3.3(AEIC), After AEIC

ISC 27 07:27:06.7, 0.52, 22N-0.2, 174.0W, 0.1, h66km, 7km, n16, c0711/20, mb3.2/3, Andreano Islands

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

IDC 27 07:33:32.3, 2.0, 12.53N-143.87E, mb3.8/8, mb1 4.1/8, mb1mx4.0/17, Error ellipse: s-maj=35.5km s-min=18.4km az=97.0

NEIC 27 07:33:33.8, 0.5, 12.56N-143.70E, h10km, Error ellipse: s-maj=19.0km s-min=10.6km az=107.0

ISC 27 07:33:31.7, 0.08, 14.9N-143.7E, 0.2, h8km, 52km, n17, c14/15, mb4.1/10, South of Mariana Islands

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

IDC 27 07:35:03.7, 1.8, 12.33N-144.29E, mb3.7/4, mb1 4.0/4, s-m1mx3.7/17, Error ellipse: s-maj=178.0km s-min=25.8km az=114.0, South of Mariana Islands

NEIC 27 07:56:00.29, 30N, 130.70E, h17km, Mw4.0, Best double couple: Mo: 1.2x10^15 NP1: 95, 887, -75, NP2: 9297, 815, -167

JMA 27 07:56:28.6, 0.3, 29.26N-130.73E, h21km, Mw3.7, Error ellipse: s-maj=47.4km s-min=25.3km az=97.0

ISC 27 07:56:30.3, 1.1, 29.29N-130.05, 130.6E, 0.1, h60km, 11km, n12, c08/11/16, mb3.2/3, Ryukyu Islands

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

Table with columns: JAM, Amami Oshima, 1.24 226 P, P, 07 56 51.6 -0.3, comp=2.0, 7mm, 0.8s, mb3.8, slow=1.5, SNR=5.7

WAR 27 08:13:51.9, 51.50N-16.09E, h1km, Location given by Rudna mine, origin time based upon KSP

PRU 27 08:13:52.5, 51.42N-16.09E, h1km, Error ellipse: s-maj=17.6km s-min=8.4km az=197.0

ISC 27 08:13:49.3, 1.0, 51.50N-16.04E, 0.04, n13, c125/21, Poland

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

JMA 27 08:19:52.8, 0.4, 23.88N-121.69E, h28km, TAP 27 08:19:53.9, 23.96N-121.64E, h42km, 1km, ML3.2

ISC 27 08:19:53.0, 2.6, 24.1N-121.6E, 0.1, h67km, 58km, n5, c05/17/10, Taiwan

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

IDC 27 08:22:50.3, 4.7, 27.85N-174.39W, mb4.1/3, mb1 4.3/3, mb1mx3.9/14, MS3.5/4, Ms1 3.5/4, ms1mx3.2/23, Error ellipse: s-maj=242.0km s-min=54.4km az=161.0, Kermadec Islands region

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

IDC 27 08:38:11.2, 1.9, 13.09S-71.55W, mb3.3/3, mb1 3.6/4, mb1mx3.5/15, ML2.3/1, MS3.1/2, Ms1 3.2/2, ms1mx3.1/6, Error ellipse: s-maj=145.0km s-min=24.1km az=48.0, Central Peru

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

DJA 27 08:43:40.4, 1.1, 8.70S-114.90E, h30km, 8km, ML3.5/1, 1C-5D, Error ellipse: s-maj=49.7km s-min=11.3km az=16.0, Ball region

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

JMA 27 08:56:46.0, 36.48N-140.47E, h99km, 1km, M3.5, JMA Felt J1

IDC 27 08:56:46.6, 1.5, 34.71N-136.67E, mb3.4/4, mb1 3.6/5, mb1mx3.4/23, ML3.4/1, Error ellipse: s-maj=53.4km s-min=19.6km az=47.0

ISC 27 08:56:43.9, 0.7, 36.42N-140.59E, 0.10, h111km, 5km, n18, c05/20/22, mb3.4/4, Near east coast of eastern Honshu

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

Table with columns: JHK, Hiroka, 1.51 304 P, P, 08 57 11.2 -0.1, comp=2.0, 7mm, 0.8s, mb3.8, slow=1.5, SNR=5.7

IDC 27 09:17:34.1, 1.2, 2.30, 47N-113.67W, mb3.5/4, mb1 3.7/9, mb1mx3.6/22, ML3.7/4, Error ellipse: s-maj=40.3km s-min=11.5km az=34.0

NEIC 27 09:17:36.9, 1.5, 30.59N-113.62W, h10km, Error ellipse: s-maj=21.6km s-min=8.8km az=205.0

ISC 27 09:17:35.0, 4.7, 30.6N-113.60W, 0.09, h11km, 31km, n24, c112/24, mb3.3/4, Gulf of California

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

NAO 27 09:28:38.3, 2.6, 67.78N-20.58E, ML2.3, HEL 27 09:28:38.7, 0.2, 67.84N-20.36E, ML2.1, ML2.0(BER), ML2.3(NAO), Explosion

BER 27 09:28:39.3, 3.0, 67.83N-20.21E, ML2.0, ML2.3(NAO), Suspected explosion

ISC 27 09:28:33.3, 0.5, 67.55N-20.03, 20.30E, 0.08, n21, c133/25, Sweden

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

ARA0 ARCESS Array S 2.76 41 eP, ARA0 ARCESS Array S 2.76 41 Pn, ARA0 ARCESS Array S 2.76 41 Pn

KEV Kevo 3.30 45 eP, KEV Kevo 3.30 45 Pn, KEV Kevo 3.30 45 Pn

MSF Maasselka 3.84 111 eSg, MSF Maasselka 3.84 111 Sg, MSF Maasselka 3.84 111 Sg

NSS Namsos 4.55 232 eSg, KJN Kajaani 4.63 135 eSg, KJN Kajaani 4.63 135 Sg

VAF Ylistaro 4.64 167 eSg, APA0 Apatty Array 4.86 84 Pn, APA0 Apatty Array 4.86 84 Pn

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mb1mx4.1/26,ML3.7/8,MS3.8/17,Ms1.3.8/17,ms1mx3.7/32,Error ellipse: s-maj=20.8km s-min=11.0km az=57.0

ISC 27 09:40:02.9+0.3,48.91N,0.02-128.77W,0.03,h10km,n135,+1905/153,mb3.8/8,MS4.0/12,5C-2D,Vancouver Island region

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

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

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

WAR 27 09:52:48.6, 50.21N, 19.14E, h1km, Location given by Central Institute of Mining, origin time based upon OJC PRU 27 09:52:48.2, 50.35N, 19.13E NEIC 27 09:52:48.5, 1.3, 50.28N, 19.07E, h5km, MG2.2(WAR), Error ellipse: s-maj=22.3km s-min=8.1km az=177.0 ISC 27 09:52:47.4, 0.7, 50.25N, 0.06-119.03E, 0.04, n11,+1936/20, 2D, Poland









ISC 27 14:00:00.5+0.3,21.99N,0.02,-120.50E,0.02,h49km,2km, h35km,1.8km,PP-P,1130,0.09N/170,mb4.3/25,MS3.8,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like HEN Hengchun, TWK1 Hengchun, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like JUNO Nakatsue, K515 Wanjun Array, etc.

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

KRSC 27 14:13:37.4+1.4, 49.10N, 155.84E, h15km, 15km, ML4.3 MOS 27 14:13:40.5+2.8, 49.95N, 154.00E, h10km, mb3.8/3, Error ellipse: s-maj=42.3km s-min=17.4km az=50.4

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

IDC 27 14:13:33.5+6.5, 60.44N, 153.92W, h149km, 48km, mb3.3/4, mb1.3/5, mb1mx3/2/23, Error ellipse: s-maj=55.3km s-min=22.2km az=52.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like ILW Iliamna West, RED Redoubt Volcan, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ASAJ Asahikawa, KS15 Wouju Array Si, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SVE chilo, SVE comp=E,200nm,13.0s, LSA Lhasa, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like WAU Wau, Port Moresby, PMG 0.7nm,0.3s,baz=274, etc.

IDC 27 14:20:40.6,0.8, 38.72N;70.56E, mb4.0/14, mb1 4.2/17, mb1mx4.2/23, ML3.8/3, MS3.4/2, Ms1 3.4/2, ms1mx3.0/18, Error ellipse: s-maj=19.1km s-min=13.9km az=27.0

ZAK Zamakenski 25.95 53 eP P 14 33 14.6 +0.6 SOMN Songino Array 27.52 59 eP P 14 33 27.8 -0.7

IDC 27 15:51:01.8,1.1, 22.35S;173.61E, mb4.2/7, mb1 4.4/8, mb1mx4.2/15, ML3.7/1, MS3.6/3, Ms1 3.6/3, ms1mx3.2/18, Error ellipse: s-maj=29.3km s-min=24.4km az=138.0

AFghanistan-Tajikistan border region Code Station Name Az AzZ Phase ID Time Res AML Almayush SNR=110 4.23 35 P P 14 28 48.1 +1.2

ULN Ulaanbaatar 27.96 59 eP P 14 33 32.2 -0.3 OBN Obninsk 28.00 317 deP P 14 34 25.4

IDC 27 15:51:01.6,2.1, 22.75S;0.2-173.2E, 0.1, h61 km, n35, r1903/30, mb4.3/11, 7C-2D, Southeast of Loyalty Islands

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like AKASO Wainan Bay, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KK31 Karatay Array, KK31 Karatay Array, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like JOF Joensuu, BOD Bodaibo, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like RPZ Port Moresby, CTA Charters Tower, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like UCH Uchter, EKS2 Erkin-Say, etc.

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like AS12 Alice Springs, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KBK Karagaybulak, CHMS Chumysh, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like GERES GERES Array B, NB2 NORARS Array B, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like USP Ossenovka, ULHL Ulahoi, etc.

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like QSPA South Pole Qui, MAW Mawson, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like AAA Alma-Ata, MK31 Makanchi Array, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like EKA Eskdalemuir Arr, EKA Eskdalemuir Arr, etc.

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

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

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ILAR Eielson Array, ILAR Eielson Array, etc.

MAN 27 14:29:06.4, 11.30N;124.36E, h7km, mb3.5, ML2.1, MS1.5, Leyte

IDC 27 15:02:06.6, 7.2, 32.66S; 179.61E, h469km, 95km, mb2.8/2, mb1 3.2/3, mb1mx3.0/12, Error ellipse: s-maj=119.0km

IDC 27 16:04:59.8, 2.9, 17.92S; 178.15W, h519km, 33km, mb3.5/8, mb1 3.6/8, mb1mx3.4/17, Error ellipse: s-maj=26.6km



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HAQS Haql, TAYS Tayyib Ism, JIMOS Jabal al Moal, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AML Almayashu, KK31 Karatay Array, UCH Uchtor, etc.

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, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BAW Bavra, AKH Akhalkalaki, STE Stepnavan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IISM Ciudad Serdan, POHV Veracruz, PPM Popocatepeti, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LVIG Pico Tres Padr, PTVM Pico Tres Padr, SZVM Salazar, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ILAR Collin, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PLIG Platanillo, PLIG Yatepec, YAIG Yatepec, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MIPR Malona2p2s, RUS Russkaya, RUS Russkaya, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LVC Limon Verde, LVC, LPAZ La Paz, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LCCB Las Cruces, LCCB Longovilo, LNV Talagante, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CHCH Chadas Angosto, CHCH San Fernando, PCH Pirque, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ETKA Kagalaska Isla, ADAG Mount Adagad, KIMD Kanaga Island, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like GSTD Great Sitkin T, GSTD Great Sitkin T, GSTD Great Sitkin T, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DAW Dawson, SIT Sitka, INK Inuvik, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DLBC Dease Lake, ASAJ Palmer South, BKB Bella Bella, etc.

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



Table with columns: Station Name, Time, Res, and various parameters. Includes stations like Jim Creek, Rockport, Penitence, etc.

Table with columns: Station Name, Time, Res, and various parameters. Includes stations like GYA Guiyang, BVAR Borovoye Array, FINES FINESS Array, etc.

Table with columns: Station Name, Time, Res, and various parameters. Includes stations like FOO Hoyanger, HYA Hoyanger, DOMB Dombas, etc.



Table with columns for station name, frequency, mode, and signal strength. Includes stations like Hu-ho-hao-te, Alice Springs, and various other locations.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like WMQ, WMO, and various other locations.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like ILAR, ELI, and various other locations.

Table with station names (LPZA, HASS, NASN, etc.), station IDs, and coordinates. Includes a small table for '27d 23h' data.

IDC 27 21:45:39.1e, 2.0, 27.94N-53.13E, mb3.8/9, mb1 3.9/9, mb1mx3.7/20, Error ellipse: s-maj=47.4km s-min=22.1km az=13.0

THR 27 21:45:44.6e, 0.8, 27.90N-53.10E, h18km, 5km, MD3.8, ML3.8

ISC 27 21:45:39.0e, 0.7, 27.87N-52.87E, 0.08, h18km, n20, e1541/25, mb3.7/9, Southern Iran

Main table for station data under '27d 23h' section, listing station names, IDs, and coordinates.

ISK 27 21:57:45.5, 39.97N, 0.89E, h7km, MD3.5

ISC 27 21:57:46.3e, 0.7, 39.98N, 0.08, 40.83E, 0.06, h7km, n10, e105/14, 1C, Turkey

Table for station data under '27d 23h' section, listing station names, IDs, and coordinates.

IDC 27 22:21:49.2e, 1.3, 23.97S-177.09W, mb4.1/5, mb1 4.3/5, mb1mx4.0/15, MS3.5/5, Ms1 3.5/5, ms1mx3.2/22, Error ellipse: s-maj=53.7km s-min=30.4km az=160.0

ISC 27 22:21:53.8e, 1.0, 23.95S, 0.2, 177.3W, 0.2, h33km, n13, e0581/8, mb4.1/5, MS3.8/5, 3C, South of Fiji Islands

Main table for station data under '27d 23h' section, listing station names, IDs, and coordinates.

IDC 27 22:23:28.5e, 8.2, 23.32S-177.41W, mb3.7/2, mb1 4.0/2, mb1mx3.9/17, MS3.4/1, Ms1 3.4/1, ms1mx2.7/22, Error ellipse: s-maj=488.0km s-min=150.6km az=76.0, Tonga Islands

Table for station data under '27d 23h' section, listing station names, IDs, and coordinates.

NIED 27 23:08:00, 44.60N, 146.20E, h145km, Mw3.9 Best double couple: M=9.08x1014 NP1=246e, 878e, lambda=168e, phi=339e, delta=74e, lambda=168e

IDC 27 23:08:38.7e, 2.1, 44.87N-146.12E, h163km, 17km, mb3.3/9, mb1 3.5/10, mb1mx3.3/22, Error ellipse: s-maj=23.9km s-min=19.4km az=17.0

MOS 27 23:08:39.1e, 1.4, 44.87N-146.08E, h187km, mb3.6/6, Error ellipse: s-maj=30.0km s-min=23.2km az=11.0

NEIC 27 23:08:40.0e, 1.7, 44.89N-146.16E, h177km, 12km, mb4.1/2,

Error ellipse: s-maj=20.2km s-min=12.5km az=133.0 JMA 27 23:08:40.0, 0.4, 44.58N-146.17E, h163km, 3km, M3.5 ISC 27 23:08:37.5e, 0.8, 44.65N, 0.06, 146.2E, 0.1, h173km, 5km, n40, e100/49, mb3.7/11, 1C, Kuril Islands

Main table for station data under '2004 APR' section, listing station names, IDs, and coordinates.

BUI 27 23:28:14.5, 18.20S-168.75E, h17km, mb5.5, mb5.0, Ms5.7, Ms25.5

IDC 27 23:28:16.6e, 0.6, 17.86S-167.92E, mb4.9/19, mb1 5.0/19, mb1mx5.0/20, MS5.5/21, Ms1 5.6/21, ms1mx5.5/23, Error ellipse: s-maj=23.8km s-min=12.6km az=157.0

MOS 27 23:28:18.5e, 1.7, 17.69S-167.77E, h10km, mb5.5/32, MS5.6/19, Error ellipse: s-maj=14.6km s-min=11.1km az=104.7

SYO 27 23:28:18.8, 17.76S-167.76E, h10km, MB5.3, MS5.7 HRVD 27 23:28:18.9, 0.1, 17.65S-167.56E, h17km, MW6.0/74, Centroid moment tensor solution. LP body waves: s71.c172; Mantle waves: s74.c179; Half duration: 2s4 Moment tensor: Scale 10^18Nm; Mw: 0.71+/-0.1; Mo: 0.12e+01; Mo-0.83e+01; Mo0.31e+02; Mo-0.04e+01; Mo-0.88e+03; Best double couple: Mo.121x10^18 NP1=21e, 823e, lambda=124e, NP2=165e, 871e, lambda=77e. Principal axes: T 1.19, Plg62e, Azm55e; N 0.04, Plg12e; Azm169e; P-1.24, Plg25e, Azm265e; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 27 23:28:18.9, 0.2, 17.76S-167.76E, h10km, mb5.3/35, MS5.7/12, MW5.9 Error ellipse: s-maj=8.2km s-min=5.7km az=131.0 Broadband fault plane solution: P waves: NP1=150e, 885e, lambda=90e, NP2=330e, 85e, lambda=90e. Principal axes: T Plg50e; Azm60e; N Plg0e; Azm0e; P Plg40e; Azm240e; Moment Tensor Solution. s39 Moment tensor: Scale 10^17 Nm; Mw: 0.20; Mo: 0.65; Mo-1.75; Mo-0.39; Mo-0.93; Mo-7.93; Best double couple: M=9.4x10^17 NP1=330e, 87e, lambda=89e, NP2=151e, 883e, lambda=90e. Principal axes: T 9.41, Plg52e, Azm61e; N-1.11, Plg0e; Azm331e; P-9.3, Plg38e, Azm241e; Depth from synthetics of broadband displacement seismograms.

NEIC Felt at Port-Vila: LDG 27 23:28:20.0, 0.3, 17.40S-167.72E, h10km, Mb5.4/2, Ms5.6/9 Error ellipse: s-maj=44.7km s-min=22.0km az=29.0

ISC 27 23:28:16.8e, 2.0, 17.81S-167.82E, 0.05, h5km, 12km, h27km, 1.9km, p-P, n549, e135/167, mb5.1/63, MS5.7/155, 47C-21D, Vanuatu Islands

Main table for station data under '2004 APR' section, listing station names, IDs, and coordinates.

Main table for station data under '2004 APR' section, listing station names, IDs, and coordinates.

INCN	comp=Z,2um,19.0s,MSS.3	LR	LR		
QIZ	<b>Qiongzong</b> 67.70 300	P	P	23 39 18.0 +0.3	
QIZ		XP	S	23 39 28.5 +8.6	
QIZ		S	AMB	23 48 11.3 -2.9	
QIZ	comp=Z,248nm,9.8s	LR	LR		
QIZ	comp=N,921nm,18.1s,MSS.2	LR	LR		
QIZ	comp=E,1um,20.1s,MSS.2	LR	LR		
QIZ	comp=Z,3um,30.2s	LR	LR		
MIR	<b>Mirny</b> 67.76 2051	eP	P	23 39 17.8 +0.5	
MIR		ePPP	PPP	23 43 34.0 +8.4	
MIR		eS	S	23 48 17.0 +2.9	
MIR		eSS	SS	23 52 35.0 -1.6	
MIR	comp=Z,165nm,2.2s,mb5.7		pmax		
MIR	comp=N,2um,12.0s		smax		
MIR	comp=E,1um,14.0s		MLR	MLR	
MIR	comp=Z,5um,17.0s,MSS.8		MLR	MLR	
MIR	comp=E,1um,17.0s		MLR	MLR	
NJ2	<b>Nanjing</b> 68.25 316	eP	P	23 39 24.5 +3.5	
NJ2		PCP	PcP	23 39 51.0 +4.2	
NJ2		S	S	23 48 20.0 +0.6	
NJ2		XS	S	23 48 38.0	
NJ2		PS	PS	23 48 54.0 +8.2	
NJ2		ScS	AMB	23 49 14.0 -3.3	
NJ2	comp=Z,970nm,8.9s		LR	LR	
NJ2	comp=N,6um,22.4s,MSS.8		LR	LR	
NJ2	comp=E,4um,26.2s,MSS.8		LR	LR	
YSS	<b>Yuzh-Sakhalins</b> 68.30 342	eP	P	23 39 20.8 -0.2	
YSS		eS	S	23 39 44.8	
YSS		e	S	23 48 21.0 +0.1	
YSS		e	S	23 49 24.0	
YSS	comp=E,40nm,1.1s		pmax	pmax	
YSS	comp=Z,70nm,1.1s,mb5.6		smax	smax	
YSS	comp=N,2um,16.0s		smax	smax	
YSS	comp=E,3um,14.0s		MLR	MLR	
YSS	comp=Z,5um,17.0s,MSS.8		MLR	MLR	
YSS	comp=N,4um,18.0s		MLR	MLR	
YSS	<b>Yuzh-Sakhalins</b> 68.30 342	eP	P	23 39 20.9 -0.1	
YSS	comp=N,50nm,0.9s,mb5.5		LR	LR	
YSS	comp=Z,4um,19.0s,MSS.7		LR	LR	
COCO	<b>West Island</b> 68.45 264	PFAKE	LR	23 39 30.0 +7.5	
SKR	<b>Severo-Kuril's</b> 68.97 352	P	P	23 39 36.0 +11	
SKR		ePPP	PPP	23 43 36.0 -1.7	
SKR		eS	S	23 48 32.0 +3.2	
SKR		e	S	23 49 09.0	
SKR	comp=Z,2um,10.0s		pmax	pmax	
SKR	comp=Z,130nm,1.0s,mb5.8		smax	smax	
SKR	comp=E,4um,12.0s		smax	smax	
SKR	comp=N,3um,14.0s		MLR	MLR	
SKR	comp=N,3um,16.0s,MSS.8		MLR	MLR	
SKR	comp=E,3um,16.0s,MSS.8		MLR	MLR	
SKR	comp=Z,3um,16.0s,MSS.6		MLR	MLR	
WHN	<b>Wuhan</b> 70.39 313	↑P	P	23 39 36.5 +2.4	
WHN		S	LR	23 48 43.0 -3.0	
WHN	comp=N,2um,15.0s		LR	LR	
WHN	comp=E,6um,26.4s		LR	LR	
WHN	comp=Z,7um,22.8s		LR	LR	
SMY	<b>Shemya</b> 70.45 4	PFAKE	LR	23 39 40.0 +5.9	
PET	<b>Petrovsk</b> 70.98 354	eP	P	23 39 34.9 -2.4	
PET		eS	SS	23 48 42.3 -1.0	
PET		ePPS	P	23 49 19.2 -1.5	
PET		e	S	23 49 43.3	
PET	comp=Z,793nm,14.4s		pmax	pmax	
PET	comp=Z,871nm,20.3s		pmax	pmax	
PET	comp=Z,486nm,14.0s		pmax	pmax	
PET	comp=Z,690nm,13.5s		smax	smax	
PET	comp=E,3um,17.8s		smax	smax	
PET	comp=Z,2um,16.4s		smax	smax	
PET	<b>Petrovsk</b> 70.98 354	PFAKE	LR	23 39 50.0 +13	
MDJ	<b>Mudanjiang</b> 71.23 332	P	P	23 39 39.0 0.0	
MDJ		AP	pP	23 39 47.8 +7.2	
MDJ		XP	pP	23 39 51.5 +1.0	
MDJ		PCP	S	23 39 58.0 -1.1	
MDJ		S	S	23 48 56.3 +0.8	
MDJ		XS	S	23 49 12.0	
MDJ		ScS	ScS	23 49 41.5 +1.0	
MDJ		SS	SS	23 53 31.5 +0.3	
MDJ	comp=Z,21nm,1.2s,mb4.9		AMB	AMB	
MDJ	comp=Z,380nm,4.7s		LR	LR	
MDJ	comp=N,3um,27.4s,MSS.5		LR	LR	
MDJ	comp=E,2um,27.4s,MSS.5		LR	LR	
MDJ	comp=Z,2um,24.7s,MSS.3		LR	LR	
MDJ	<b>Mudanjiang</b> 71.23 332	eP	P	23 39 39.0 +0.1	
MDJ	comp=Z,25nm,1.0s,mb5.1		LR	LR	
MDJ	comp=Z,3um,21.0s,MSS.5		LR	LR	
TIA	<b>Tai'an</b> 71.99 319	eP	P	23 39 44.5 +0.9	
TIA		S	S	23 49 04.0 -0.3	
TIA	comp=N,2um,16.0s		LR	LR	
QSPA	<b>South Pole Qui</b> 72.23 180	eP	P	23 39 45.1 +0.7	
QSPA	comp=N,57nm,0.9s,mb5.5		e	23 41 25.4	
QSPA		e	S	23 44 18.5	
QSPA		e	S	23 47 36.5	
QSPA		e	S	23 50 32.1	
QSPA	comp=Z,3um,18.3s,MSS.7		LR	LR	
CN2	<b>Changchun</b> 72.55 329	eP	P	23 39 46.5 -0.3	
CN2		eAP	pP	23 39 56.8 +8.4	
CN2		eXP	pP	23 40 08.8 +1.2	
CN2		eS	S	23 49 07.8 -2.7	
CN2	comp=Z,500nm,10.0s		LR	LR	
CN2	comp=N,2um,18.0s,MSS.6		LR	LR	
CN2	comp=E,2um,18.0s,MSS.6		LR	LR	
CN2	comp=Z,2um,15.0s,MSS.6		LR	LR	
ENH	<b>Enshi</b> 73.73 310	eP	P	23 39 52.5 -1.5	
ENH	comp=Z,14nm,0.9s,mb4.9		LR	LR	
ENH	comp=Z,2um,20.0s,MSS.5		LR	LR	
GYA	<b>Guiyang</b> 73.90 305	P	P	23 39 55.0 -0.1	
GYA		AP	pP	23 40 05.5 +8.8	
GYA		XP	pP	23 40 09.5 +1.2	
GYA		PP	S	23 42 44.3 +2.6	
GYA		S	S	23 49 28.0 +1.9	

GYA	comp=Z,60nm,1.0s,mb5.5		AMB	AMB	
GYA	comp=Z,530nm,6.5s		LR	LR	
GYA	comp=N,2um,19.7s,MSS.5		LR	LR	
GYA	comp=E,2um,20.3s,MSS.5		LR	LR	
UNV	<b>Unalaska Valle</b> 74.70 15	PFAKE	LR	23 40 10.0 +11	
UNV	comp=Z,12um,20.0s,MSS.2		LR	LR	
BJT	<b>Saitiutau</b> 74.97 321	eP	P	23 40 02.5 +1.4	
BJT	comp=Z,29nm,1.1s,mb5.1		LR	LR	
BJI	<b>Beijing</b> 74.98 321	P	P	23 40 02.8 +1.7	
BJI		S	S	23 49 44.5 +6.5	
BJI	comp=Z,22nm,1.1s,mb5.0		LR	LR	
BJI	comp=N,2um,22.0s		LR	LR	
BDT	<b>Bhumibol Dam</b> 76.15 293	P	P	23 40 09.0 +0.9	
XAN	<b>Xi'an</b> 76.16 313	P	P	23 40 07.3 -0.6	
XAN		S	S	23 49 48.0 -3.0	
XAN	comp=N,2um,22.2s,MSS.5		LR	LR	
XAN	comp=E,2um,21.0s,MSS.5		LR	LR	
XAN	comp=Z,3um,23.1s,MSS.5		LR	LR	
KMI	<b>Kunming</b> 76.38 302	eP	P	23 40 09.5 +0.2	
KMI		AP	pP	23 40 16.8 +5.9	
KMI		PPP	PPP	23 44 49.5 -0.4	
KMI		S	S	23 49 52.3 -1.3	
KMI	comp=Z,28nm,1.3s,mb5.0		LR	LR	
KMI	comp=N,1um,19.5s,MSS.5		LR	LR	
KMI	comp=E,2um,18.1s,MSS.5		LR	LR	
KMI	comp=Z,2um,19.9s,MSS.4		LR	LR	
CHRT	<b>Chiangrai</b> 76.56 296	↑P	P	23 40 10.5 +0.2	
CM31	<b>Chiang Mai Arr</b> 76.69 295	PFAKE	LR	23 40 20.0 +8.8	
CM31	comp=Z,1um,19.0s,MSS.2		LR	LR	
CMAR	<b>Chiang Mai Arr</b> 76.69 295	P	P	23 40 11.4 +0.3	
CMAR	comp=Z,15nm,1.1s,mb4.8,baz=127,slow=4.4,SNR=19		LR	00 13 54.3	
CHG	<b>Chiang Mai</b> 76.83 295	eP	P	23 40 18.0 +6.0	
HHC	<b>Hu-ho-hao-te</b> 76.86 320	eP	P	23 40 23.0 +3.6	
HHC		AP	pP	23 40 33.0 +1.2	
HHC		PP	PP	23 43 24.3 +6.0	
HHC		S	S	23 50 18.8 +4.3	
HHC		SKS	SKS	23 50 31.5 -1.8	
HHC	comp=Z,27nm,2.0s,mb4.8		AMB	AMB	
HHC	comp=Z,393nm,11.0s		LR	LR	
HHC	comp=N,1um,22.6s,MSS.2		LR	LR	
HHC	comp=E,811nm,19.0s,MSS.2		LR	LR	
HHC	comp=Z,1um,18.4s,MSS.2		LR	LR	
CD2	<b>Chengdu</b> 78.30 308	eP	P	23 40 23.3 +3.5	
CD2		PP	PP	23 43 20.3 +4.2	
CD2		PPP	PPP	23 45 13.3 +5.2	
CD2		S	S	23 50 14.8 +0.5	
CD2		XS	AMB	23 50 29.0	
CD2	comp=Z,10.0nm,0.8s,mb4.8		AMB	AMB	
CD2	comp=Z,750nm,7.5s		LR	LR	
CD2	comp=N,4um,18.1s		LR	LR	
CD2	comp=Z,4um,22.8s,MSS.7		LR	LR	
MA2	<b>Magadan</b> 78.35 351	eP	P	23 40 18.0 -1.5	
MA2		eS	S	23 40 29.2	
MA2		eS	S	23 50 09.0 -5.3	
MA2		eSS	SS	23 55 16.2 -3.5	
MA2		eSSS	SSS	23 58 40.1 +2.1	
MA2	comp=Z,30nm,1.5s,mb5.0		MLR	MLR	
MA2	comp=Z,2um,18.0s,MSS.5		LR	LR	
MA2	<b>Magadan</b> 78.35 351	↑P	P	23 40 18.0 -1.5	
MA2	comp=Z,3um,20.0s,MSS.6		LR	LR	
BTO	<b>Baotou</b> 79.08 319	eP	P	23 40 25.5 +1.6	
BTO	comp=Z,26nm,1.5s,mb4.9		AMB	AMB	
HIA	<b>Hailar</b> 79.21 330	eP	P	23 40 24.8 +0.4	
HIA	comp=Z,42nm,1.3s,mb5.2		LR	LR	
MAW	<b>Mawson</b> 79.24 202	eP	P	23 40 27.9 +3.7	
MAW	comp=Z,16nm,1.1s,mb4.9		eS	23 50 26.2 +2.6	
MAW	<b>Mawson</b> 79.24 202	eP	P	23 40 24.7 +0.5	
MAW	comp=Z,12nm,1.1s,mb4.7,baz=90,slow=18,SNR=3.4		LR	00 12 46.1	
MAW	<b>Mawson</b> 79.24 202	eP	P	23 40 24.6 +0.4	
MAW	comp=Z,3um,18.7s,MSS.7,baz=97,slow=34		LR	00 12 46.1	
MAW	comp=Z,46nm,1.3s		eP	23 40 24.6 +0.4	
MAW	comp=Z,46nm,1.4s,mb5.2		eP	23 40 27.9 +2.0	
MAW		eS	S	23 50 26.2 +2.6	
MAW		PP	P	23 40 37.5 +4.4	
MAW		PP	P	23 43 44.5 +5.2	
MAW		S	S	23 50 42.5 +2.3	
MAW		SKS	SKS	23 50 48.8 -2.6	
MAW	comp=Z,112nm,1.5s,mb5.6		AMB	AMB	
LZH	comp=Z,773nm,7.1s		LR	LR	
LZH	comp=E,2um,14.7s		LR	LR	
LZH	comp=Z,2um,18.2s,MSS.5		LR	LR	
KDAK	<b>Kodiak Island</b> 82.15 20	PFAKE	LR	23 40 50.0 +10	
KDAK	comp=Z,3um,20.0s,MSS.6		LR	LR	
CLNS	<b>Chui'man</b> 82.56 338	eP	P	23 40 43.9 +2.0	
CLNS		ePPP	pP	23 40 51.9 +7.4	
CLNS		eS	x	23 45 48.2	
CLNS		eS	S	23 52 07.5	
CLNS	comp=Z,70nm,1.4s,mb5.5		pmax	pmax	
CLNS	comp=N,40nm,1.3s		pmax	pmax	
CLNS	comp=E,7.0nm,0.7s		pmax	pmax	
CLNS	comp=Z,10.0nm,1.1s,mb4.8		pmax	pmax	
CLNS	comp=N,8.0nm,0.8s		pmax	pmax	
CLNS	comp=E,9.0nm,0.8s		pmax	pmax	
RSO	<b>Redoubt South</b> 84.23 18	eP	P	23 40 49.3 +1.0	
ULN	<b>Udanbutar</b> 84.32 324	eP	P	23 40 54.6 -0.5	
ULN	comp=E,92nm,1.4s,mb5.7		LR	LR	
ULN	comp=Z,2um,21.0s,MSS.5		LR	LR	
YAK	<b>Yakutsk</b> 85.11 343	eP	P	23 40 53.9 -0.8	
YAK		ePPP	pP	23 41 02.4 +6.0	
YAK		eS	S	23 51 15.9 -7.6	
YAK		ePS	PS	23 52 12.5 -7.9	
YAK	comp=Z,7.0nm,1.1s,mb4.7		pmax	pmax	
YAK	comp=N,9.0nm,1.2s		pmax	pmax	
YAK	comp=E,7.0nm,1.1s		pmax	pmax	
YAK	comp=Z,30nm,0.9s,mb4.5		pmax	pmax	

YAK	comp=N,10.0nm,1.2s		pmax	pmax	
YAK	comp=E,8.0nm,1.1s		smax	smax	
YAK	comp=N,1um,14.4s		smax	smax	
YAK	comp=E,910nm,12.8s		MLR	MLR	
YAK	comp=Z,2um,18.0s,MSS.5		MLR	MLR	
YAK	comp=N,1um,17.0s,MSS.5		MLR	MLR	
YAK	comp=E,930nm,17.0s,MSS.5		MLR	MLR	
YAK	<b>Yakutsk</b> 85.11 343				





Table with columns: Call Sign, Name, Frequency, Mode, Power, etc. Includes stations like NKCC, MOX, KHC, SKO, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, etc. Includes stations like MCGN, GBSL, ERMB, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, etc. Includes stations like IDC, NEIC, BKM, etc.







**IDC 28 01:56:10.0,53.0,18.80S:162.24E,mb3.8/3,mb1 4.0/3, mb1mx3.8/11, Error ellipse: s-maj=853.0km s-min=92.2km az=82.0**  
**ISC 28 01:55:25.5,1.1,18.0S:0.1x167.5E:0.1,h10km,n5, f=148/6,mb3.8/3,1C,Vanuatu Islands**

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
BKM	Butte a Klehm	0.79	63	Op P	01 55 40.7	-0.1
BKM	Mont Dzumac	4.14	194	Op P	01 56 30.7	+0.4
DZM				Op P	01 57 18.9	-0.5
STKA	Stevens Creek	27.15	235	Op P	02 01 13.3	+2.5
WRA	Warramunga Arr	31.39	261	Op P	02 01 47.7	-1.3
ASAR	Alice Springs	31.85	254	Op P	02 01 57.2	-0.2

**NEIC 28 02:12:59.0,31.49S:69.41W,h132km,MD3.6(GUC),After GUC.**  
**GUC 28 02:12:59.0,0.8,31.49S:69.41W,h132km,20km,MD3.6, ML3.1,1C-1D,San Juan Province**

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
CMCH	Combarbala	1.39	283	Op P	02 13 29.9	+0.4
MDZ	Mendoza	1.47	161	Op P	02 13 25.8	-1.5
PTCH	Petorca	1.50	239	Op P	02 13 27.5	-0.2
ILCH	Illapel	1.51	264	Op P	02 13 27.5	-0.2
OVCH	Ovalle	1.77	299	Op P	02 13 30.7	0.0
TLL	Tololo Astrono	1.78	317	Op P	02 13 31.6	+0.7
FCH	Farellones	1.98	202	Op P	02 13 33.9	+0.7
RCDM	Rinconada Maip	2.32	210	Op P	02 13 37.5	0.0

**GUC 28 02:15:43.8,0.7,28.32S:67.60W,h140km,ML4.5,4C,La Rioja Province**

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
VACH	Vallenar	2.79	264	Op P	02 16 28.9	0.0
TLL	Tololo Astrono	3.35	236	Op P	02 16 37.0	+0.8
LSCH	La Serena	3.56	243	Op P	02 17 20.0	-1.2
OVCH	Ovalle	3.88	233	Op P	02 17 26.6	-1.1
CMCH	Combarbala	4.11	225	Op P	02 16 46.0	-0.2
RCDM	Rinconada Maip	5.85	207	Op P	02 18 14.9	-0.8

**NEIC 28 02:21:26.4,0.6,6.11N:144.57E,mb4.1/1, Error ellipse: s-maj=23.0km s-min=10.9km az=100.0**  
**IDC 28 02:21:26.4,0.9,1.66N:144.59E,h22km,4km,mb3.7/8, mb4 4.0/8,mb1mx3.8/18, Error ellipse: s-maj=32.1km s-min=21.7km az=108.0**  
**ISC 28 02:21:25.1,0.7,11.85N:0.08:144.4E:0.2,h23km, (h23km,9km,pP),n16,α=083/16,mb4.0/9,1C,South of Mariana Islands**

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
GUMO	Guam	1.98	141	Op P	02 21 59.0	+1.1
WRA	Warramunga Arr	32.91	198	Op P	02 27 59.2	-0.8
ASAR	Alice Springs	36.56	196	Op P	02 28 31.2	-0.1
CMAR	Chiang Mai Arr	44.30	284	Op P	02 29 44.5	+2.1
MKAR	Makanchi Array	62.55	317	Op P	02 31 50.1	+0.6
MKAR	Makanchi Array	62.55	317	Op P	02 31 50.1	+0.6
ZAL	Zalesovo	62.92	325	Op P	02 31 51.4	-0.5
KURK	Kurchatov	65.73	321	Op P	02 32 10.4	+0.1
ILAR	Eielson Array	70.52	25	Op P	02 32 37.3	-2.5
BRVK	Borovoye	71.21	322	Op P	02 32 44.3	+0.1
ZRNK	Zerenda	71.97	322	Op P	02 32 48.6	-0.2
YKA	Yellowknife Ar	84.79	27	Op P	02 33 58.5	-0.1
YKA	Yellowknife Ar	84.79	27	Op P	02 33 58.5	-0.1
NVAR	Mina Array Bea	88.50	51	Op P	02 34 18.3	+1.0
ARCES	ARCES Array B	88.77	342	Op P	02 34 18.6	+0.7
HLID	Halley	90.04	45	Op P	02 34 25.2	+0.8
HLID				Op P	02 34 33.5	+1.5

**KRSC 28 02:22:24.8,0.6,55.10N:161.96E,h86km,3km,ML3.9, Near east coast of Kamchatka Peninsula**

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
MKZ	Mys Kozlova	0.56	194	Op P	02 22 40.5	+0.7
TUMR	Tumrok	1.06	281	Op P	02 22 46.3	+1.2
ZLN	Zelenaya	1.13	325	Op P	02 22 46.8	+0.7
KMNR	Kamenistaya	1.18	305	Op P	02 22 47.5	+0.8
KMNR	Kamenistaya	1.18	305	Op P	02 22 47.5	+0.8
KBTR	Krutoberegovo	1.21	323	Op P	02 22 47.6	+0.4
LGNR	Loginova	1.22	324	Op P	02 22 48.3	+1.1
CIRR	Tsirk	1.23	326	Op P	02 22 48.1	+0.8
KBG	Krutoberegovo	1.23	320	Op P	02 22 48.0	+0.6
KBG				Op P	02 22 48.0	+0.6
KPT	Kopyto	1.31	312	Op P	02 22 48.8	+0.3
KRSR	Krestovskiy	1.37	325	Op P	02 22 49.4	+0.2
KRSR				Op P	02 22 49.4	+0.2
KLY	Klyuchi	1.42	329	Op P	02 22 49.4	-0.5
KLY				Op P	02 22 49.4	-0.5
KLY				Op P	02 23 07.6	-0.8

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
KOZ	Kozyrevsk	1.52	310	Op P	02 22 51.8	+0.6
SVLR	Shiveluch	1.54	345	Op P	02 22 52.2	+0.9
SRDR	Sredinnyy	1.76	315	Op P	02 22 54.3	+0.1
SRDR				Op P	02 23 15.5	-0.4
KII	Karymskiy	1.81	235	Op P	02 22 55.9	+1.2
KII				Op P	02 23 18.5	+1.5
ESO	Eso	2.05	295	Op P	02 22 57.6	-0.2
BKI	Bering	2.31	86	Op P	02 23 00.9	-0.8
BKI				Op P	02 23 27.7	-1.3
SPN	Mys Shipunski	2.31	210	Op P	02 23 01.3	-0.4
SPN				Op P	02 23 07.5	+1.2
NLC	Nalytchevo	2.47	220	Op P	02 23 04.2	+0.2
NLC				Op P	02 23 33.0	-0.2
SMAR	Somma	2.61	227	Op P	02 23 06.9	+0.9
SMAR				Op P	02 23 38.5	+1.8
AVH	Avacha	2.64	227	Op P	02 23 38.7	+1.2
UCLR	Uglovaya	2.64	226	Op P	02 23 07.5	+1.1
UCLR				Op P	02 23 38.7	+1.2
KOK	Koryaka	2.66	229	Op P	02 23 07.1	+0.4
KOK				Op P	02 23 38.4	+0.4
GANALY	Ganally	2.74	241	Op P	02 23 08.5	+0.8
PET	Petropavlovsk	2.85	224	Op P	02 23 10.1	+0.8
RUS	Russkaya	3.37	219	Op P	02 23 43.0	+0.4
RUS				Op P	02 23 15.9	-0.5
GRL	Gorelyy	3.44	224	Op P	02 23 54.0	-1.4
MIPR	Malaya Ipel'ka	4.19	230	Op P	02 23 18.4	+1.0
ALID	Alaid	5.74	225	Op P	02 23 50.6	+1.6

**CASC 28 02:50:34.2,2.4,12.56N:88.03W,h40km,999km,MD3.5, 2C-2D,Off coast of central America**

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
CNCH	Conchagua	0.74	151	Op P	02 50 48.4	+0.7
CNCH				Op P	02 50 59.4	+0.9
BLLM	Bellamira	0.90	347	Op P	02 50 50.5	0.0
BLLM				Op P	02 51 03.9	+1.3
PYN	Poneloya	1.00	100	Op P	02 50 52.2	+0.2
LEON	Leon	1.12	97	Op P	02 51 07.5	-0.7
TEL3	Telica 3	1.16	89	Op P	02 50 54.5	+0.4
TEL3				Op P	02 51 09.4	+0.3
TELN	Telica	1.18	88	Op P	02 50 55.1	+0.7
CAHU	Cacacuatique	1.22	352	Op P	02 51 10.1	+0.6
CAHU				Op P	02 51 12.6	+0.2
CNGN	Cerro Negro	1.30	92	Op P	02 50 54.2	-2.2
CNGN				Op P	02 51 11.1	-1.8
SNVI	San Vicente	1.31	323	Op P	02 50 56.2	-0.3
SNVI				Op P	02 51 12.9	0.0
LCBS	La Ceiba	1.43	320	Op P	02 50 57.7	-0.4
LCBS				Op P	02 51 14.7	-1.2
COPN	Copaltepe	1.46	105	Op P	02 50 58.3	-0.2
LFRS	El Faro	1.46	317	Op P	02 50 58.0	-0.6
LFRS				Op P	02 51 16.4	-0.3
LFU	La Fuente	1.58	319	Op P	02 51 00.1	+0.2
LFU				Op P	02 51 20.0	+0.2
QUIN	Quiabui	1.68	70	Op P	02 51 00.7	-0.8
BOQS	Boqueron	1.69	314	Op P	02 51 00.8	-1.0
BOQS				Op P	02 51 22.1	-0.2
TICN	Ticuantepe	1.84	106	Op P	02 51 04.9	+1.0
TICN				Op P	02 51 14.8	+1.3
SBSL	San Blas	2.00	310	Op P	02 51 06.8	+0.5
SBSL				Op P	02 51 30.9	+0.6
RTR	El Retiro	2.06	311	Op P	02 51 08.4	+1.4

**KRSC 28 02:51:12.6,1.8,49.98N:151.47E,h634km,8km,ML5.7**  
**MOS 28 02:51:20.9,0.8,51.28N:150.89E,h524km,mb4.6/28, Error ellipse: s-maj=8.4km s-min=5.6km az=88.9**  
**SKHL 28 02:51:20.3,0.7,51.20N:150.90E,h550km,35km,mb5.3/6, mbh6.0/1,mbv5.7/2,msH5.4/4,msH5.4/6**  
**BUI 28 02:51:21.4,1.51,34N:150.72E,h540km,mb4.8,mb4.8**  
**SVH 28 02:51:22.3,1.51,34N:150.64E,h526km,MB4.3**  
**NEIC 28 02:51:22.3,0.1,51.34N:150.64E,mb4.3/73, Error ellipse: s-maj=3.7km s-min=2.7km az=162.0**  
**IDC 28 02:51:22.9,0.6,51.36N:150.60E,h531km,7km,mb4.0/28, mb1 4.1/30,mb1mx4.1/33, Error ellipse: s-maj=9.5km s-min=6.6km az=147.0**  
**ISC 28 02:51:20.9,0.2,51.27N:0.03:150.73E:0.03,h523km,2km, h516km,4.2km,pP,n366,α=90/416,mb4.4/115,3BC-36D, Sea of Okhotsk**

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
ALID	Alaid	3.06	96	Op P	02 52 34.1	-0.7
ALID				Op P	02 53 31.9	-1.3
SKR	Severo-Kuril's	3.45	98	Op P	02 52 36.0	-1.4
SKR				Op P	02 53 37.8	-2.5
SKR	Severo-Kuril's	3.45	98	Op P	02 52 36.0	-1.4
SKR				AMB	02 52 37.2	
SKR	3µm,2.0s			AMB	02 52 37.2	
SKR	2µm,2.0s			AMB	02 52 37.2	
SKR	2µm,2.0s			AMB	02 52 37.2	
SKR	140nm,0.9s			AMB	02 52 37.2	
SKR	330nm,0.9s			AMB	02 52 37.2	
SKR	850nm,0.9s			AMB	02 52 37.2	
SKR	3µm,2.0s			AMB	02 52 37.2	
SKR				eS	02 53 35.6	-2.5
SKR				A	02 53 37.0	
SKR	3µm,3.0s			A	02 53 37.0	
SKR	2µm,3.0s			A	02 53 37.0	
SKR	2µm,3.0s			A	02 53 37.0	
SKR	3µm,3.0s			A	02 53 37.0	
SKR	2µm,3.0s			A	02 53 37.0	
SKR	1µm,1.0s			A	02 53 39.5	
SKR	450nm,1.0s			A	02 53 39.5	
SKR	220nm,1.0s			A	02	

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like KOZ, SRDR, KPT, LGNR, ZLN, KRKR, etc.

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like TNA, ANM, ULN, SONM, HHC, ZAK, etc.

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like ARCES, ARCES, ARCES, KKN, KKN, etc.



Table of radio stations with columns for call letters, frequency, power, and other technical details. Includes stations like ISCO, WUAZ, SOC, HASS, WAF, etc.

Table of radio stations with columns for call letters, frequency, power, and other technical details. Includes stations like HASS, WAF, WAF, WAF, etc.

Table of radio stations with columns for call letters, frequency, power, and other technical details. Includes stations like WRAB, WRA, WRA, WRA, etc.







YKA	comp=Z,2um,18.1s,baz=17,slow=44	Yellowknife Ar	53.93 345	P	P	04 18 15.4	-1.8
YKA	comp=Z,85nm,0.8s,mb5.8,baz=137,slow=7.7,SNR=226					04 19 21.5	-0.2
YKA	comp=Z,9.6nm,0.7s,baz=146,slow=4.0,SNR=11					04 20 18.1	-2.4
YKA	comp=Z,13nm,1.0s,baz=146,slow=8.6,SNR=4.2					04 23 17.9	
YKA	comp=Z,1.7nm,0.6s,baz=144,slow=4.6,SNR=8.4					04 18 15.4	-1.8
YKA		Yellowknife Ar	53.93 345	P	P	04 19 21.5	-0.2
YKA						04 20 18.1	-2.4
YKA						04 23 17.9	
PLCA		Paso Flores	54.86 164	eP	P	04 18 24.9	+0.6
PLCA	comp=Z,15nm,0.8s,mb5.1,baz=339,slow=9.4,SNR=33					04 18 42.8	+0.7
PLCA	comp=Z,26nm,1.0s,baz=336,slow=7.8,SNR=9.2					04 37 32.1	
PLCA	comp=Z,824nm,18.7s,baz=174,slow=31					04 18 24.9	+0.6
PLCA	comp=Z,14nm,0.9s,mb5.0					04 18 31.1	
PLCA						04 18 43.6	+1.4
PLCA						04 18 28.1	+0.2
TRQA		Tornquist	55.34 155	eP	P	04 18 34.9	
TRQA	comp=Z,4.5nm,1.4s,mb4.3					04 18 31.0	-0.8
CAM4		Nova Friburgo	55.85 128	eP	P	04 18 33.0	
CAM4						04 19 30.7	-4.6
CAM4						04 19 38.5	
CAM4		Nova Friburgo	55.85 128	eP	P	04 18 31.0	-0.7
CAM4						04 18 33.0	
CAM4						04 18 45.0	-4.6
CAM4						04 19 30.7	
CAM4						04 19 38.5	
DLBC		Dease Lake	56.18 335	LR	LR	04 49 25.1	
DLBC	comp=Z,2um,18.2s,baz=120,slow=43					04 48 43.7	
DLBC	comp=Z,534nm,20.3s,baz=129,slow=38					04 19 27.9	-0.1
DLBC		Cordova Ski Ar	64.16 332	eP	P	04 19 38.3	-0.2
DLBC		Sawmill	65.80 333	iP	P	04 19 37.6	-0.9
DLBC		Sawmill	65.80 333	iP	P	04 19 39.5	-0.8
DLBC		Palmer	66.08 333	iP	P	04 19 39.4	-0.9
DLBC	comp=Z,40nm,1.1s,mb5.2					04 19 40.8	+0.0
DLBC		Palmer South	66.16 332	eP	P	04 19 41.1	-0.1
DLBC		Skilak Lake	66.22 331	eP	P	04 19 40.8	-0.4
DLBC		Skilak Lake	66.22 331	eP	P	04 20 11.2	+0.5
DLBC		Skilak Lake	66.22 331	eP	P	04 19 40.4	-1.3
DLBC		Eielson Array	66.30 336	P	P	04 22 05.6	-4.8
DLBC	comp=Z,52nm,0.9s,mb5.3,baz=116,slow=4.4,SNR=242					04 55 01.6	
DLBC	comp=Z,9.2nm,1.0s,baz=119,slow=7.7,SNR=5.4					04 19 42.3	-0.2
DLBC	comp=Z,100nm,18.1s,baz=271,slow=42					04 19 43.3	-1.0
DLBC		Palmer West	66.43 333	eP	P	04 19 43.3	-1.0
DLBC		College	66.72 336	eP	P	04 19 43.9	-0.5
DLBC		McKinley	66.74 335	iP	P	04 19 43.8	-0.6
DLBC	comp=Z,53nm,1.0s,mb5.3					04 19 47.1	-0.7
DLBC	comp=Z,70nm,1.0s,mb5.5					04 19 48.0	-0.7
DLBC	comp=Z,515nm,19.0s					04 20 00.7	
DLBC		Mount Spurr	67.28 332	eP	P	04 32 43.4	-2.5
DLBC		Redoubt South	67.41 331	eP	P	04 36 50.4	
DLBC						04 39 54.8	
DLBC		Papeete	67.91 245	eS	SS	04 20 00.1	-0.9
DLBC						04 29 13.3	+4.4
DLBC						04 37 31.9	
DLBC						04 40 56.0	
DLBC	comp=Z,42nm,22.8s					04 20 12.2	+4.6
DLBC		Famars	70.40 63	P	P	04 20 08.2	+0.9
DLBC		Sand Point	70.43 325	eP	P	04 20 07.4	+0.1
DLBC		Danmarks Havn	73.55 13	iP	P	04 20 23.8	-1.7
DLBC	comp=Z,3nm,0.6s,mb4.5					04 20 23.8	-1.7
DLBC	comp=Z,3um,18.0s					04 20 28.1	+0.7
DLBC	comp=Z,5.3nm,0.6s,mb4.5					04 20 26.2	-1.4
DLBC		Unalaska Valle	73.80 323	iP	P	04 20 26.4	-1.7
DLBC	comp=Z,3um,18.0s					04 20 28.2	+0.4
DLBC		Zamane	73.81 49	P	P	04 20 30.2	+0.6
DLBC		Santiago	73.89 49	P	P	04 20 30.2	-1.3
DLBC		Nome	73.92 334	eP	P	04 20 28.2	-2.0
DLBC		Montemor	74.22 53	eP	P	04 20 29.3	-2.3
DLBC		Viseu	74.46 51	eP	P	04 20 32.0	-1.3
DLBC		Viseu	74.46 51	eP	P	04 20 29.3	-2.3
DLBC		Evora	74.48 53	eP	P	04 20 32.0	-1.3
DLBC	comp=Z,43nm,1.1s,mb4.8					04 20 32.3	-1.3
DLBC	comp=Z,917nm,21.5s					04 20 50.2	-2.1
DLBC		Incio	74.78 49	P	P	04 20 33.1	-1.1
DLBC		Castelo Branco	74.83 52	eP	P	04 20 34.4	+0.1
DLBC		PCBR	74.96 54	P	P	04 20 50.6	-2.5
DLBC		La Rua	74.95 49	P	P	04 20 51.3	-1.9
DLBC		El Granado	74.96 54	P	P	04 20 34.8	+0.3
DLBC	comp=Z,10nm,0.8s,mb4.6					04 20 51.3	-1.9
DLBC	comp=Z,10nm,1.1s,mb5.0					04 20 34.8	+0.3
DLBC		Alcoutim	74.97 54	eP	P	04 20 52.0	-1.3
DLBC	comp=Z,41nm,1.3s,mb5.0					04 20 52.0	-1.3
DLBC		Tin City	75.08 335	iP	P	04 20 34.8	+0.3
DLBC	comp=Z,37nm,1.0s,mb5.1					04 20 30.2	-5.2
DLBC		Jan Mayen	75.11 19	LR	LR	04 20 34.8	-1.2
DLBC	comp=Z,728nm,19.3s,baz=54,slow=36					04 20 34.8	-1.2
DLBC		Nikolski	75.20 322	eP	P	04 20 35.3	-0.7
DLBC		Badajoz	75.25 53	P	P	04 20 37.0	-0.9
DLBC	comp=Z,8.7nm,1.2s,mb4.4					04 20 54.2	-2.5
DLBC		Calabor	75.27 50	P	P	04 20 41.7	-0.3
DLBC		Mina Concepcio	75.58 54	P	P	04 20 59.2	-1.7
DLBC	comp=Z,15nm,1.1s,mb4.6					04 20 59.2	-1.7
DLBC		Espera	76.31 55	P	P	04 20 42.3	-3.2
DLBC	comp=Z,23nm,1.1s,mb4.8					04 20 59.5	-4.9
DLBC		Arriondas	76.32 48	P	P	04 20 42.3	-3.2
DLBC	comp=Z,70nm,1.5s,mb5.2					04 20 59.5	-4.9
DLBC		Sierra de Lija	76.68 55	P	P	04 20 42.8	-2.8
DLBC		Eskdalemir	76.69 36	eP	P	04 21 00.2	-4.2
DLBC		Eskdalemir Ar	77.02 36	eP	P	04 21 00.2	-4.2
DLBC	comp=Z,3.6nm,0.7s,mb4.2,baz=283,slow=5.9,SNR=9.0					04 21 03.4	-2.9
DLBC	comp=Z,22nm,1.0s,baz=270,slow=5.7,SNR=17					04 20 46.6	-0.4
DLBC	comp=Z,10nm,1.2s,mb4.4					04 21 03.4	-2.9
DLBC	comp=Z,11nm,0.9s,mb4.6					04 20 46.6	-0.4
DLBC		Adamuz	77.20 53	P	P	04 21 03.4	-2.9
DLBC	comp=Z,10nm,1.2s,mb4.4					04 21 03.4	-2.9
DLBC	comp=Z,11nm,0.9s,mb4.6					04 21 04.6	-2.2
DLBC		Sonsecia Array	77.54 52	eP	P	04 21 04.6	-2.2
DLBC	comp=Z,9.0nm,0.8s,mb4.6,baz=282,slow=5.5,SNR=20					04 21 04.7	-3.0
DLBC	comp=Z,16nm,0.9s,baz=285,slow=5.3,SNR=9.6					04 21 05.2	-2.5
DLBC	comp=Z,636nm,18.8s,baz=265,slow=34					04 21 00.5	-2.7
DLBC		Sonsecia Array	77.54 52	eP	P	04 21 05.2	-2.5
DLBC	comp=Z,8.4nm,0.8s,mb4.5					04 21 16.3	
DLBC		Sonsecia Array	77.54 52	eP	P	04 21 05.2	-2.5
DLBC	comp=Z,16nm,1.2s,mb4.6					04 21 16.3	
DLBC	comp=Z,5um,19.0s					04 21 10.8	-1.8
DLBC		Lanesstosa	77.62 48	P	P	04 20 56.1	+0.4
DLBC	comp=Z,48nm,1.7s,mb5.0					04 21 10.8	-1.8
DLBC		Rarotonga	78.19 245	LR	LR	04 20 56.1	+0.4
DLBC	comp=Z,1um,20.1s,baz=81,slow=29					04 21 10.8	-1.8
DLBC		Quesada	78.42 54	P	P	04 21 10.8	-1.8
DLBC	comp=Z,25nm,1.1s,mb4.9					04 21 10.8	-1.8
DLBC		Vianos	78.78 53	P	P	04 21 10.8	-1.8
DLBC	comp=Z,25nm,1.1s,mb4.9					04 20 56.1	+0.4

EVIA		Huescar	78.80 54	P	P	04 21 12.2	-2.4
EVIA						04 20 55.8	0.0
EVIA	comp=Z,13nm,1.1s,mb4.7					04 21 12.2	-2.4
EVIA		Torete	78.88 50	P	P	04 21 12.2	-2.4
EVIA	comp=Z,12nm,0.8s,mb4.8					04 20 55.0	-1.2
EVIA		Gorron	78.93 43	eP	P	04 21 12.5	-2.5
EVIA	comp=Z,51nm,1.1s,mb5.0					04 20 54.0	-2.3
EVIA		Alkurruntz	79.02 48	eP	P	04 21 11.2	-4.0
EVIA	comp=Z,23nm,1.1s,mb4.9					04 20 53.8	-3.1
EVIA		La Foliniere	79.14 42	eP	P	04 20 55.3	-2.2
EVIA	comp=Z,2um,21.0s					04 20 56.8	-1.3
EVIA	comp=Z,31nm,1.0s,mb4.8					04 21 13.9	-3.1
EVIA		La Druitiere	79.40 42	eP	P	04 20 56.5	-2.4
EVIA		Tobarra	79.52 53	P	P	04 20 59.9	+0.1
EVIA	comp=Z,23nm,1.3s,mb4.8					04 20 57.9	-2.1
EVIA		Saint Martin d	79.61 44	eP	P	04 21 00.8	-0.1
EVIA	comp=Z,17nm,0.9s,mb4.6					04 21 00.8	-0.1
EVIA		Etsaut	79.75 49	P	P	04 21 00.6	-1.5
EVIA		San Casprasio	79.86 49	P	P	04 21 18.2	-2.7
EVIA	comp=Z,36nm,1.2s,mb5.1					04 21 02.3	-0.7
EVIA		Mosqueruela	80.13 51	P	P	04 21 02.8	-1.5
EVIA	comp=Z,14nm,1.0s,mb4.7					04 21 02.8	-1.5
EVIA		Esparrós	80.38 48	eP	P	04 21 20.0	-3.2
EVIA	comp=Z,17nm,1.0s,mb4.9					04 21 02.6	-1.8
EVIA		La Frestale	80.42 46	eP	P	04 21 19.8	-3.6
EVIA	comp=Z,46nm,1.0s,mb5.0					04 21 06.2	+1.0
EVIA		Beniarda	80.52 54	eP	P	04 21 05.1	-0.6
EVIA	comp=Z,19nm,0.9s,mb4.9					04 21 05.1	-0.6
EVIA		Horta de San J	80.66 50				

Table of station data for 28d 4h, including station names, coordinates, and various parameters like elevation and frequency.

Main table of station data for 2004 APR, listing station names, coordinates, and various parameters.

Table of station data for 652, including station names, coordinates, and various parameters.



MAN 28 04:27:03.5, 10.31N:124.87E, h6km, mb4.5, ML3.4, MS3.2, 1D, Leyte
Code Station Name Az Phase ID Time Res
MSP ML Maasin 0.18 183 Op ISC 04 27 07.9 +0.7

IDC 28 04:39:41.9, 17.76S:167.77E, mb3.8/4, mb1 4.0/4, mb1mx3.8/13, Error ellipse: s-maj=286.0km

ISC 28 04:39:44.5, 17.85S:167.80E, 0.2x1.63km, n6, n0558/7, mb3.7/3, Vanuatu Islands
Code Station Name Az Phase ID Time Res
BKM Butte a Klehm 0.47 79 i P 04 39 54.6 +0.0

NEIC 28 04:46:45.9, 0.6, 23.91S:66.74W, h198km, 7km, mb3.5/1, Error ellipse: s-maj=11.9km s-min=7.5km az=63.0

IDC 28 04:46:45.8, 1.2, 23.89S:66.79W, h194km, 9km, mb3.3/4, mb1 3.5/9, mb1mx3.4/15, Error ellipse: s-maj=22.6km s-min=15.2km az=28.0

ISC 28 04:46:44.9, 0.7, 23.97S:0.07-66.8W, 0.1, h205km, gkm, n21, n080/23, mb3.6/6, IC, Juju Province
Code Station Name Az Phase ID Time Res
LVC Limon Verde 2.37 304 Op ISC 04 47 28.7 +0.6

NAO 28 04:48:51.2, 1.4, 62.58N:21.72E, ML2.1, HEL 28 04:48:51.6, 0.1, 62.61N:21.68E, ML2.0, ML2.6(UPP), ML2.1(NAO), Explosion, BER 28 04:48:52.5, 5.7, 62.55N:21.74E, h0km, 26km, ML2.1(NAO)

ISC 28 04:48:49.6, 0.8, 62.63N:0.06-21.62E, 0.09, n9, n087/19, Finland
Code Station Name Az Phase ID Time Res
VAF Ylistaro 0.64 49 Op ISC 04 49 03.0 +0.7

MEX 28 04:54:17.7, 0.7, 16.08N:97.36W, h6km, 9km, MD3.9, NEIC 28 04:54:18.3, 16.09N:97.36W, h10km, MD3.9(MEX), After MEX

ISC 28 04:54:14.6, 0.9, 16.07N:0.06-97.33W, 0.04, h6km, n9, n103/18, Oaxaca
Code Station Name Az Phase ID Time Res
PNIG Pinotepa 0.83 293 i P 04 54 31.6 +0.6

Code Station Name Az Phase ID Time Res
MCK McKinley 66.76 29 e P 05 05 25.2
PMR Palmer 66.97 31 e P 05 05 17.2 +0.0
COLA College 67.07 28 e P 05 05 15.0 +0.7

MEX 28 04:54:17.7, 0.7, 16.08N:97.36W, h6km, 9km, MD3.9, NEIC 28 04:54:18.3, 16.09N:97.36W, h10km, MD3.9(MEX), After MEX

ISC 28 04:54:14.6, 0.9, 16.07N:0.06-97.33W, 0.04, h6km, n9, n103/18, Oaxaca
Code Station Name Az Phase ID Time Res
PNIG Pinotepa 0.83 293 i P 04 54 31.6 +0.6

Code Station Name Az Phase ID Time Res
MCK McKinley 66.76 29 e P 05 05 25.2
PMR Palmer 66.97 31 e P 05 05 17.2 +0.0
COLA College 67.07 28 e P 05 05 15.0 +0.7

NIED 28 04:54:00.24, 20.12N:125.20E, h35km, Mw4.4, Best double couple: M4.13x1015 NP1,q50, 875, 1.84, 2. NP2,q252, 816, 1.111, 1
BUJ 28 04:54:19.9, 23.91N:125.71E, h54km, mb4.5, mb4.4, Ms4.0, Ms24.0
JMA 28 04:54:22.6, 0.3, 24.21N:125.18E, M4.6
JMA Felt J1, IDC 28 04:54:23.5, 0.5, 24.28N:125.06E, h27km, 2km, mb4.0/18, mb1 4.2/19, mb1mx4.1/24, ML3.4/1, MS3.4/2, Ms1 3.4/2, ms1mx3.1/29, Error ellipse: s-maj=21.4km s-min=11.9km az=69.0

NEIC 28 04:54:24.1, 0.4, 24.26N:125.04E, mb4.6/20, Error ellipse: s-maj=10.2km s-min=8.0km az=157.0
NEIC Recorded [J1] MA on Miyako-jima.
ISC 28 04:54:21.8, 0.4, 24.19N:0.04-125.25E, 0.04, h29km, h29km, 1.6km, p-P, n67, n132/74, mb4.4/37, MS3.7/1, Southwestern Ryukyu Islands

Code Station Name Az Phase ID Time Res
JOGS Gusukube 0.58 14 Op ISC 04 54 34.8 +1.3
JMS MJ Miyako jima 2 0.62 4 S P 04 54 43.1 +1.6

IDC 28 05:11:1.4, 0.5, 27.73N:140.04E, h464km, 5km, mb3.4/18, mb1 3.7/22, mb1mx3.6/26, Error ellipse: s-maj=12.2km s-min=8.4km az=74.0

SYO 28 05:11:1.2, 6.0, 27.73N:140.04E, h479km, MB4.5, JMA 28 05:11:1.2, 6.0, 27.73N:140.04E, h476km, M4.5, BUJ 28 05:11:1.2, 6.0, 27.53N:140.05E, h509km, mb5.0, mb4.7, NEIC 28 05:11:1.2, 6.0, 27.73N:140.04E, h479km, 6km, mb4.5/17, Error ellipse: s-maj=7.1km s-min=5.6km az=114.0

ISC 28 05:11:1.3, 0.4, 27.71N:0.04-140.13E, 0.06, h479km, 3km, n89, n086/98, mb4.1/35, 3C, Bonin Islands region
Code Station Name Az Phase ID Time Res
CBJH Chichi jima 1.93 108 Op ISC 05 12 14.4 -0.1

Code Station Name Az Phase ID Time Res
CBJH Chichi jima 1.93 108 Op ISC 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 P 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 S 05 12 14.4 -0.1

ISC 28 05:11:1.3, 0.4, 27.71N:0.04-140.13E, 0.06, h479km, 3km, n89, n086/98, mb4.1/35, 3C, Bonin Islands region

Code Station Name Az Phase ID Time Res
CBJH Chichi jima 1.93 108 Op ISC 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 P 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 S 05 12 14.4 -0.1

ISC 28 05:11:1.3, 0.4, 27.71N:0.04-140.13E, 0.06, h479km, 3km, n89, n086/98, mb4.1/35, 3C, Bonin Islands region

Code Station Name Az Phase ID Time Res
CBJH Chichi jima 1.93 108 Op ISC 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 P 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 S 05 12 14.4 -0.1

ISC 28 05:11:1.3, 0.4, 27.71N:0.04-140.13E, 0.06, h479km, 3km, n89, n086/98, mb4.1/35, 3C, Bonin Islands region

Code Station Name Az Phase ID Time Res
CBJH Chichi jima 1.93 108 Op ISC 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 P 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 S 05 12 14.4 -0.1

ISC 28 05:11:1.3, 0.4, 27.71N:0.04-140.13E, 0.06, h479km, 3km, n89, n086/98, mb4.1/35, 3C, Bonin Islands region

Code Station Name Az Phase ID Time Res
CBJH Chichi jima 1.93 108 Op ISC 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 P 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 S 05 12 14.4 -0.1

ISC 28 05:11:1.3, 0.4, 27.71N:0.04-140.13E, 0.06, h479km, 3km, n89, n086/98, mb4.1/35, 3C, Bonin Islands region

Code Station Name Az Phase ID Time Res
CBJH Chichi jima 1.93 108 Op ISC 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 P 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 S 05 12 14.4 -0.1

ISC 28 05:11:1.3, 0.4, 27.71N:0.04-140.13E, 0.06, h479km, 3km, n89, n086/98, mb4.1/35, 3C, Bonin Islands region

Code Station Name Az Phase ID Time Res
CBJH Chichi jima 1.93 108 Op ISC 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 P 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 S 05 12 14.4 -0.1

ISC 28 05:11:1.3, 0.4, 27.71N:0.04-140.13E, 0.06, h479km, 3km, n89, n086/98, mb4.1/35, 3C, Bonin Islands region

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CBJH Chichi jima 1.93 108 Op ISC 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 P 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 S 05 12 14.4 -0.1

ISC 28 05:11:1.3, 0.4, 27.71N:0.04-140.13E, 0.06, h479km, 3km, n89, n086/98, mb4.1/35, 3C, Bonin Islands region

Code Station Name Az Phase ID Time Res
CBJH Chichi jima 1.93 108 Op ISC 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 P 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 S 05 12 14.4 -0.1

ISC 28 05:11:1.3, 0.4, 27.71N:0.04-140.13E, 0.06, h479km, 3km, n89, n086/98, mb4.1/35, 3C, Bonin Islands region

MLR Muntele Rosu 79.29 315 P 05 06 26.8 +0.6
NB2 NORARS Subarra 79.92 333 P 05 06 28.7 -0.5
NOA NORARS Array B 79.92 333 P 05 06 28.7 -0.5

IDC 28 05:11:1.4, 0.5, 27.73N:140.04E, h464km, 5km, mb3.4/18, mb1 3.7/22, mb1mx3.6/26, Error ellipse: s-maj=12.2km s-min=8.4km az=74.0
SYO 28 05:11:1.2, 6.0, 27.73N:140.04E, h479km, MB4.5, JMA 28 05:11:1.2, 6.0, 27.73N:140.04E, h476km, M4.5, BUJ 28 05:11:1.2, 6.0, 27.53N:140.05E, h509km, mb5.0, mb4.7, NEIC 28 05:11:1.2, 6.0, 27.73N:140.04E, h479km, 6km, mb4.5/17, Error ellipse: s-maj=7.1km s-min=5.6km az=114.0

ISC 28 05:11:1.3, 0.4, 27.71N:0.04-140.13E, 0.06, h479km, 3km, n89, n086/98, mb4.1/35, 3C, Bonin Islands region

Code Station Name Az Phase ID Time Res
CBJH Chichi jima 1.93 108 Op ISC 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 P 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 S 05 12 14.4 -0.1

ISC 28 05:11:1.3, 0.4, 27.71N:0.04-140.13E, 0.06, h479km, 3km, n89, n086/98, mb4.1/35, 3C, Bonin Islands region

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CBJH Chichi jima 1.93 108 Op ISC 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 P 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 S 05 12 14.4 -0.1

ISC 28 05:11:1.3, 0.4, 27.71N:0.04-140.13E, 0.06, h479km, 3km, n89, n086/98, mb4.1/35, 3C, Bonin Islands region

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CBJH Chichi jima 1.93 108 Op ISC 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 P 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 S 05 12 14.4 -0.1

ISC 28 05:11:1.3, 0.4, 27.71N:0.04-140.13E, 0.06, h479km, 3km, n89, n086/98, mb4.1/35, 3C, Bonin Islands region

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CBJH Chichi jima 1.93 108 Op ISC 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 P 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 S 05 12 14.4 -0.1

ISC 28 05:11:1.3, 0.4, 27.71N:0.04-140.13E, 0.06, h479km, 3km, n89, n086/98, mb4.1/35, 3C, Bonin Islands region

Code Station Name Az Phase ID Time Res
CBJH Chichi jima 1.93 108 Op ISC 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 P 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 S 05 12 14.4 -0.1

ISC 28 05:11:1.3, 0.4, 27.71N:0.04-140.13E, 0.06, h479km, 3km, n89, n086/98, mb4.1/35, 3C, Bonin Islands region

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CBJH Chichi jima 1.93 108 Op ISC 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 P 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 S 05 12 14.4 -0.1

ISC 28 05:11:1.3, 0.4, 27.71N:0.04-140.13E, 0.06, h479km, 3km, n89, n086/98, mb4.1/35, 3C, Bonin Islands region

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CBJH Chichi jima 1.93 108 Op ISC 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 P 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 S 05 12 14.4 -0.1

ISC 28 05:11:1.3, 0.4, 27.71N:0.04-140.13E, 0.06, h479km, 3km, n89, n086/98, mb4.1/35, 3C, Bonin Islands region

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CBJH Chichi jima 1.93 108 Op ISC 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 P 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 S 05 12 14.4 -0.1

ISC 28 05:11:1.3, 0.4, 27.71N:0.04-140.13E, 0.06, h479km, 3km, n89, n086/98, mb4.1/35, 3C, Bonin Islands region

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CBJH Chichi jima 1.93 108 Op ISC 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 P 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 S 05 12 14.4 -0.1

ISC 28 05:11:1.3, 0.4, 27.71N:0.04-140.13E, 0.06, h479km, 3km, n89, n086/98, mb4.1/35, 3C, Bonin Islands region

Code Station Name Az Phase ID Time Res
CBJH Chichi jima 1.93 108 Op ISC 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 P 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 S 05 12 14.4 -0.1

ISC 28 05:11:1.3, 0.4, 27.71N:0.04-140.13E, 0.06, h479km, 3km, n89, n086/98, mb4.1/35, 3C, Bonin Islands region

Code Station Name Az Phase ID Time Res
CBJH Chichi jima 1.93 108 Op ISC 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 P 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 S 05 12 14.4 -0.1

ISC 28 05:11:1.3, 0.4, 27.71N:0.04-140.13E, 0.06, h479km, 3km, n89, n086/98, mb4.1/35, 3C, Bonin Islands region

Code Station Name Az Phase ID Time Res
CBJH Chichi jima 1.93 108 Op ISC 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 P 05 12 14.4 -0.1
CBJH Chichi jima 1.93 108 S 05 12 14.4 -0.1

ISC 28 05:11:1.3, 0.4, 27.71N:0.04-140.13E, 0.06, h479km, 3km, n89, n086/98, mb4.1/35, 3C, Bonin Islands region





Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CNCH Conchagua, BLML Bellamira, VSM San Miguel, etc.

IDC 28 08:32:06.1±0.8, 12.54N:144.00E, mb3.9/8, mb1 4.2/8, mb1mx4.0/17, Error ellipse: s-maj=31.5km s-min=20.5km az=105.0

NEIC 28 08:32:11.6±0.5, 12.57N:143.90E, h35km, mb4.6/4, Error ellipse: s-maj=20.0km s-min=17.0km az=107.0

ISC 28 08:32:08.9±5.2, 12.52N:0.9143E.0.1, h34km,38km, n15, ±0.94/16, mb4.1/12, South of Mariana Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like GUMO Guam, WRAB Tennant Creek, WB2 Warrungarra Arr, etc.

CASC 28 08:40:22.8±1.6, 12.45N:88.14W, h42km, 137km, MD3.5, ISC 28 08:40:22.0±0.8, 12.40N:0.088±15W, 0.06, h43km,45km, n20, ±0.58/34, 6C-50, Off coast of central America

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CNCH Conchagua, BLML Bellamira, PYN Poneleya, etc.

HEL 28 08:43:32.5±0.1, 61.13N:29.84E, ML1.9, ML2.2(NAO), Explosion

NAO 28 08:43:33.4±3.2, 61.35N:29.70E, ML2.2, IDC 28 08:43:34.8±2.1, 61.19N:29.60E, mb1 3.1/3, mb1mx2.9/19, ML2.2/3, Error ellipse: s-maj=18.1km s-min=10.2km az=153.0

BER 28 08:43:35.4±4.2, 61.29N:29.57E, ML2.2(NAO), Suspected explosion

ISC 28 08:43:27.7±1.5, 61.11N:0.0730E.0.1, n17, ±1.48/25, Finland-Karelia border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like JOF Joensuu, FIAO FINESS Array S, FIAO FINESS Array S, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like APAO Apatity Array, HFS Hagfors, HFS Hagfors, etc.

IDC 28 08:45:45.8±1.1, 0.93S:127.77E, mb4.4/5, mb1 4.5/7, mb1mx4.1/17, ML4.0/2, Error ellipse: s-maj=93.9km s-min=17.1km az=69.0

NEIC 28 08:45:50.1±0.6, 0.91S:128.10E, h35km, mb4.7/4, Error ellipse: s-maj=39.6km s-min=17.0km az=72.0

ISC 28 08:45:48.1±0.8, 0.95S:128.11E, 0.4, h33km, n17, ±0.80/17, mb4.5/7, Halmahera

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, WRAB Tennant Creek, WRA Warrungarra Arr, etc.

IDC 28 08:55:40.1±3.6, 0.77N:126.58E, mb3.7/3, mb1 3.9/3, mb1mx3.7/15, Error ellipse: s-maj=160.0km s-min=61.9km az=70.0, Northern Molouca Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WRA Warrungarra Arr, ASAR Alice Springs, STKA Stephens Creek, etc.

NEIC 28 09:04:48.1±1.1, 17.10N:100.09W, h31km, MD3.8(MEX), After MEX.

MEX 28 09:04:48.1±1.1, 17.10N:100.09W, h31km,12km, MD3.8, Guerrero

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CAIG El Cayaco, CAIG Acapulco, CAIG Zihuatanejo, etc.

NIED 28 09:16:00.24.20N:125.20E, h26km, Mw3.9 Best double couple: Me:69x1014 NP1:3e15, ±877, ±68. NP2:2e257, ±255, ±149.

IDC 28 09:16:31.4±1.0, 24.30N:125.11E, mb3.8/5, mb1 3.9/6, mb1mx3.7/19, ML3.1/1, Error ellipse: s-maj=37.7km s-min=21.5km az=77.0

JMA 28 09:16:35.0±3.2, 24.25N:125.18E, h24km, M3.6, ISC 28 09:16:35.4±1.5, 24.24N:125.26E.0.05, h33km,10km, n14, ±0.83/20, mb3.7/5, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like JOGS Gusukube, JIMJ Miyako jima 2, JTT Tarama, etc.

NIED 28 09:16:00.36.90N:139.90E, h5km, Mw3.9 Best double couple: Mb:5x1014 NP1:3e15, ±847, ±88. NP2:2e170, ±843, ±92. JMA 28 09:16:56.9.36.91N:139.84E, h8km,1km, M4.0 JMA Felt III J1. IDC 28 09:17:01.0±4.6, 36.89N:139.74E, h38km,41km, mb3.7/18, mb1 4.0/19, mb1mx3.9/24, ML3.7/1, Error ellipse: s-maj=19.6km s-min=14.5km az=78.0

NEIC 28 09:17:02.4±1.6, 36.89N:139.62E, h50km,14km, mb4.4/4, Error ellipse: s-maj=14.7km s-min=10.4km az=87.0

NEIC Recorded [2 JMA] in Tochigi and [1 JMA] in Ibaraki Prefectures.

ISC 28 09:16:56.4±0.5, 36.91N:0.04139E.0.05, h19km,3km, n39, ±0.94/43, mb4.0/22, 2C-6D, Eastern Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like JSB Shioba, JFY Yanaizu, JKT Katashina, etc.

IDC 28 09:22:18.0±0.7, 20.71S:174.32W, mb4.5/16, mb1 4.7/18, mb1mx4.6/24, ML4.8/2, MS4.5/10, Ms1 4.5/10, ms1mx4.4/20, Error ellipse: s-maj=28.1km s-min=13.3km az=147.0

SYO 28 09:22:19.3±0.2, 20.76S:174.27W, h10km, MB5.0, MS4.9 HRVD 28 09:22:19.4±0.2, 20.97S:173.66W, h21km, MW5.2/62, Centroid moment Tensor Solution. LP body waves: s44,c75; Mantle waves: s62,c115; Half duration: t#0

Moment tensor: 10^17Nm; Mno: 72e-03; Mro: 2.4e-02; Mso: 0.43e-02; M0: 0.43e-04; Mx: 0.42e-01; Mz: 0.31e-01; Best double couple: Mx: 9x10^17 NP1: 204e-03; NP2: 50e-03; NP3: 103e-03; Principal axes: T: 89, P: 93, N: 103; Azm348; N: 04, P: 12, Azm223; P: 93, P: 12, Azm130; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

BUI 28 09:22:19.3±0.2, 20.80S:174.30W, h10km, MB5.5, mb5.1, Ms5.0, Msz4.8

NEIC 28 09:22:19.4±0.2, 20.76S:174.27W, h10km, mb5.0/17, MS4.9/9, Error ellipse: s-maj=10.1km s-min=5.5km az=140.0

ORF 28 09:22:38.1±1.5, 77S:172.71W, h30km, mb5.5, ISC 28 09:22:38.0±0.7, 3.20N:785.00E, h174.26km, 10km, h14km, 9km, pp-P, n214, ±1.5/126, mb4.8/40, MS4.8/104, 6C-5D, Tonga Islands

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

AS12	Alice Springs	47.86 256	J/P	P	09 30 57.1 -1.4
ASAR	Alice Springs	47.86 256	J/P	P	09 30 57.1 -1.3
ASAR	comp-Z, 9.5nm, 0.9s, mb4.8, baz=98, slow=7.6, SNR=62		PcP	P	09 32 27.8 +0.2
ASAR	comp-Z, 1.8nm, 0.7s, baz=107, slow=3.8, SNR=4.6		S	P	09 37 52.1 -2.3
ASAR	comp-Z, 0.3nm, 0.7s, baz=87, slow=18, SNR=4.2		S	P	09 50 37.9
ASAR	comp-Z, 5.02nm, 18.3s, MS4.5, baz=277, slow=36		LR	LR	09 50 37.9
WB2	Warramunga Arr	48.01 261	eP	P	09 30 57.5 -2.2
WRAB	Tennant Creek	48.02 261	eP	P	09 30 57.4 -2.3
WRA	Warramunga Arr	48.02 261	P	P	09 30 57.4 -2.4
WRA	comp-Z, 2.0nm, 0.5s, mb4.5, baz=96, slow=7.6, SNR=29		PcP	P	09 32 27.8 -0.3
WRA	comp-Z, 5.9nm, 1.1s, baz=94, slow=3.5, SNR=5.4		S	P	09 37 58.8 +2.0
WRA	comp-Z, 0.8nm, 0.9s, baz=97, slow=11, SNR=4.6		LR	LR	09 50 29.0
WRA	comp-Z, 778nm, 18.4s, MS4.7, baz=85, slow=35		LR	LR	09 50 29.0
WRA	Warramunga Arr	48.02 261	P	P	09 30 57.4 -2.4
WRA	comp-Z, 1.2nm, 0.8s, mb4.3		PcP	P	09 32 27.8 -0.3
WRA	comp-Z, 1.3nm, 0.5s, mb4.3, baz=147, slow=33		S	P	09 37 58.8 +2.0
WRA	comp-Z, 1.7nm, 1.0s, mb4.9		LR	LR	09 50 29.0
WRA	Forrest	52.40 247	eP	P	09 31 31.2 -1.8
GUMO	Guam	52.72 307	PFAKE	LR	09 31 50.0 +1.4
GUMO	comp-Z, 5.48nm, 20.0s, MS4.6		LR	LR	09 31 50.0 +1.4
FITZ	Fitzroy Crossi	56.45 262	eP	P	09 32 02.7 -0.2
FITZ	comp-Z, 2.8nm, 0.9s, mb4.3		P	P	09 32 02.7 -0.8
FITZ	Fitzroy Crossi	56.45 262	P	P	09 32 02.7 -0.8
KLBR	Kellerberrin	61.10 245	eP	P	09 32 33.7 -1.3
KLBR	comp-Z, 1.6nm, 0.8s, mb5.2		LR	LR	09 32 33.7 -1.3
NWAO	Narrogin (SRO)	61.37 243	PFAKE	LR	09 32 50.0 +1.3
NWAO	comp-Z, 4.73nm, 21.0s, MS4.6		LR	LR	09 32 50.0 +1.3
MUN	Mundaring	62.35 244	eP	P	09 32 42.8 -0.7
MUN	comp-Z, 1.2nm, 0.8s, mb4.5		LR	LR	09 32 42.8 -0.7
CBJ	Chichi jima	63.59 317	LR	LR	09 56 49.6
CBJ	comp-Z, 4.82nm, 19.3s, MS4.7, baz=147, slow=33		LR	LR	09 56 49.6
QSPA	South Pole Qui	69.29 180	eP	P	09 33 28.0 +0.8
QSPA	comp-Z, 1.7nm, 1.0s, mb4.9		LR	LR	09 33 28.0 +0.8
QSPA	comp-Z, 4.40nm, 20.1s, MS4.7		LR	LR	09 33 28.0 +0.8
JOW	Kunigami	73.06 308	LR	LR	10 00 49.4
JOW	comp-Z, 2.46nm, 20.0s, MS4.5, baz=178, slow=32		LR	LR	10 00 49.4
UNV	Unalaska Valle	74.62 5	PFAKE	LR	09 34 10.0 +1.1
UNV	comp-Z, 1.2nm, 22.0s, MS5.2		LR	LR	09 34 10.0 +1.1
JNU	Nakatsue	74.92 315	P	P	09 34 01.2 -0.2
JNU	comp-Z, 4.3nm, 0.7s, mb4.5, baz=92, slow=5.8, SNR=3.6		P	P	09 34 01.2 -0.2
ASAJ	Asahikawa	75.83 329	P	P	09 34 05.8 +0.2
ASAJ	comp-Z, 8.4nm, 0.7s, mb4.8, baz=295, slow=7.8, SNR=4.6		P	P	09 34 05.8 +0.2
SAO	San Andreas Ge	75.88 41	PFAKE	LR	09 34 20.0 +1.3
SAO	comp-Z, 5.1nm, 0.9s, mb4.8		LR	LR	09 34 20.0 +1.3
HOPS	Hopland	76.35 39	PFAKE	LR	09 34 20.0 +1.1
HOPS	comp-Z, 7.77nm, 19.0s, MS5.0		LR	LR	09 34 20.0 +1.1
PET	Petropavlovsk	77.17 344	PFAKE	LR	09 34 20.0 +6.3
PET	comp-Z, 5.82nm, 21.0s, MS4.9		LR	LR	09 34 20.0 +6.3
PFO	Pinyon Flat Ob	77.19 46	PFAKE	LR	09 34 30.0 +1.6
PFO	comp-Z, 5.33nm, 19.0s, MS4.9		LR	LR	09 34 30.0 +1.6
CMB	Columbia Colle	77.37 41	eP	P	09 34 13.4 -1.6
CMB	comp-Z, 4.8nm, 1.2s, mb4.3		LR	LR	09 34 13.4 -1.6
CMB	comp-Z, 4.67nm, 21.0s, MS4.8		LR	LR	09 34 13.4 -1.6
WDC	Whiskeytown Da	77.38	PFAKE	LR	09 34 30.0 +1.3
WDC	comp-Z, 6.07nm, 20.0s, MS4.9		LR	LR	09 34 30.0 +1.3
YSS	Yuzh-Sakhalins	77.76 331	eP	P	09 34 17.0 -0.1
YSS	comp-Z, 6.4nm, 0.6s, mb4.7		LR	LR	09 34 17.0 -0.1
YSS	comp-Z, 6.09nm, 21.0s, MS4.9		LR	LR	09 34 17.0 -0.1
DAC	Darwin (Calif)	78.02 44	PFAKE	LR	09 34 30.0 +1.1
DAC	comp-Z, 5.63nm, 19.0s, MS4.9		LR	LR	09 34 30.0 +1.1
MTUM	Tungsten Hills	78.05 42	eP	P	09 34 18.4 -0.4
MTUM	comp-Z, 4.7nm, 0.8s, mb4.5, baz=214, slow=6.4, SNR=33		P	P	09 34 18.4 -0.4
YBH	Yreka Blue Hor	78.37 37	PFAKE	LR	09 34 30.0 +9.5
YBH	comp-Z, 5.79nm, 19.0s, MS4.9		LR	LR	09 34 30.0 +9.5
NVAR	Mina Array Bea	78.87 42	P	P	09 34 23.5 +0.2
NVAR	comp-Z, 4.7nm, 0.8s, mb4.5, baz=214, slow=6.4, SNR=33		P	P	09 34 23.5 +0.2
NVAR	Mina Array Bea	78.87 42	eP	P	09 34 23.5 +0.2
TPH	Tonopah	79.33 42	eP	P	09 34 25.1 -0.7
TPH	comp-Z, 6.1nm, 0.9s, mb4.5		LR	LR	09 34 25.1 -0.7
TPH	comp-Z, 5.00nm, 19.0s, MS4.9		LR	LR	09 34 25.1 -0.7
MOD	Modoc	79.85 38	PFAKE	LR	09 34 40.0 +1.1
MOD	comp-Z, 5.69nm, 19.0s, MS4.9		LR	LR	09 34 40.0 +1.1
INCN	Inchon	80.30 316	PFAKE	LR	09 34 40.0 +8.9
INCN	comp-Z, 3.28nm, 20.0s, MS4.7		LR	LR	09 34 40.0 +8.9
KDAK	Kodiak Island	80.33 12	PFAKE	LR	09 34 40.0 +9.2
KDAK	comp-Z, 8.21nm, 20.0s, MS5.1		LR	LR	09 34 40.0 +9.2
TUC	Tucson	80.44 50	eP	P	09 34 31.7 -0.2
TUC	comp-Z, 3.5nm, 1.1s, mb4.2		LR	LR	09 34 31.7 -0.2
TUC	comp-Z, 3.96nm, 20.0s, MS4.8		LR	LR	09 34 31.7 -0.2
SSE	Sheshan	80.58 308	P	P	09 34 30.8 -1.9
SSE	comp-Z, 2.5nm, 0.7s, mb5.2		P	P	09 34 30.8 -1.9
SSE	comp-N, 88nm, 31.0s, MS4.2		LR	LR	09 34 30.8 -1.9
SSE	comp-E, 161nm, 31.0s, MS4.2		LR	LR	09 34 30.8 -1.9
BMN	Battle Mountai	80.75 40	PFAKE	LR	09 34 40.0 +6.6
BMN	comp-Z, 1.91nm, 34.0s, MS4.2		LR	LR	09 34 40.0 +6.6
WVOR	Wild Horse Val	81.14 38	PFAKE	LR	09 34 50.0 +1.5
WVOR	comp-Z, 5.59nm, 19.0s, MS4.9		LR	LR	09 34 50.0 +1.5
WUAZ	Wupatki	81.73 47	PFAKE	LR	09 34 50.0 +1.1
WUAZ	comp-Z, 9.73nm, 20.0s, MS5.2		LR	LR	09 34 50.0 +1.1
MAW	Mawson	82.46 199	PFAKE	LR	09 34 50.0 +8.3
MAW	comp-Z, 1.1nm, 22.0s, MS5.2		LR	LR	09 34 50.0 +8.3
NJ2	Nanjing	82.78 308	eP	P	09 34 46.0 +1.9
NJ2	comp-Z, 1.2nm, 0.8s, mb4.5		AP	P	09 34 51.0 +3.7
NJ2	comp-Z, 1.3nm, 0.5s, mb4.3, baz=147, slow=33		PP	P	09 37 58.3 +2.0
NJ2	comp-Z, 1.7nm, 1.0s, mb4.9		S	S	09 45 02.0 +1.2
NJ2	comp-Z, 1.6nm, 0.8s, mb5.2		SKS	SKS	09 45 05.0 -1.4
NJ2	comp-Z, 1.6nm, 0.8s, mb5.2		XS	AMB	09 45 12.0
NJ2	comp-Z, 4.50nm, 9.9s		LR	LR	09 45 12.0
NJ2	comp-N, 500nm, 27.9s, MS4.8		LR	LR	09 45 12.0
NJ2	comp-E, 350nm, 25.3s, MS4.8		LR	LR	09 45 12.0
NJ2	comp-Z, 300nm, 24.3s, MS4.6		LR	LR	09 45 12.0
MVU	Marysvalde	82.80 44	eP	P	09 34 44.6 +0.5
MVU	comp-Z, 1.4nm, 0.9s, mb5.0		LR	LR	09 34 44.6 +0.5
MDJ	Mudanjiang	82.80 323	P	P	09 34 45.0 +1.0
MDJ	comp-Z, 1.1nm, 19.0s, MS4.6		AP	P	09 34 49.3 +2.1
MDJ	comp-Z, 1.2nm, 0.8s, mb4.5		PP	P	09 34 51.5 +3.3
MDJ	comp-Z, 1.3nm, 0.5s, mb4.3, baz=147, slow=33		XP	P	09 37 58.3 +2.0
MDJ	comp-Z, 1.7nm, 1.0s, mb4.9		S	S	09 45 02.0 +1.2
MDJ	comp-Z, 1.6nm, 0.8s, mb5.2		XS	SKS	09 45 05.0 -1.4
MDJ	comp-Z, 1.6nm, 0.8s, mb5.2		SS	AMB	09 45 12.0
MDJ	comp-Z, 1.3nm, 0.9s, mb5.0		AMB	AMB	09 45 12.0
MDJ	comp-Z, 1.83nm, 3.8s		LR	LR	09 45 12.0
MDJ	comp-N, 101nm, 20.1s, MS4.5		LR	LR	09 45 12.0
MDJ	comp-E, 188nm, 20.1s, MS4.5		LR	LR	09 45 12.0
MDJ	comp-Z, 280nm, 19.6s, MS4.6		LR	LR	09 45 12.0
MDJ	Mudanjiang	82.80 323	eP	P	09 34 45.0 +1.0
MDJ	comp-Z, 1.4nm, 0.9s, mb5.0		LR	LR	09 34 45.0 +1.0

MDJ	comp-Z, 4.72nm, 19.0s, MS4.9		LR	LR	09 34 44.8 +0.6
MSU	Marysvalde	82.82 44	eP	P	09 34 44.8 +0.6
MSU	comp-Z, 1.1nm, 1.0s, mb4.8		P	P	09 34 54.6
HAWA	Hanford	83.14 35	PFAKE	LR	09 35 00.0 +1.4
HAWA	comp-Z, 8.66nm, 21.0s, MS5.1		LR	LR	09 35 00.0 +1.4
FIB	Fire Island	83.94 11	PFAKE	LR	09 35 00.0 +1.1
FIB	comp-Z, 2.2nm, 20.0s, MS5.5		LR	LR	09 35 00.0 +1.1
SIT	Sitka	84.13 20	PFAKE	LR	09 35 00.0 +1.0
SIT	comp-Z, 6.13nm, 19.0s, MS5.0		LR	LR	09 35 00.0 +1.0
SRU	San Rafael	84.23 45	eP	P	09 34 51.5 +0.1
TXAR	Lajitas Array	84.29 56	P	P	09 34 51.7 -0.2
TXAR	comp-Z, 1.8nm, 0.9s, mb4.3, baz=207, slow=8.4, SNR=6.2		P	P	09 34 51.7 -0.2
TXAR	Lajitas Array	84.29 56	P	P	09 34 51.7 -0.2
HLID	Halley	84.29 39	eP	P	09 34 51.2 -0.5
HLID	comp-Z, 5.9nm, 1.0s, mb4.7		LR	LR	09 34 51.2 -0.5
HLID	comp-Z, 3.72nm, 19.0s, MS4.8		LR	LR	09 34 51.2 -0.5
PMR	Palmer	84.52 12	PFAKE	LR	09 35 00.0 +7.6
PMR	comp-Z, 4.74nm, 19.0s, MS4.9		LR	LR	09 35 00.0 +7.6
CN2	Changchun	84.69 321	eP	P	09 34 55.0 +1.4
CN2	comp-Z, 1.0nm, 1.1s, mb4.9		eXP	P	09 35 02.0 +4.1
CN2	comp-Z, 1.0nm, 1.1s, mb4.9		AMB	AMB	09 35 02.0 +4.1
CN2	comp-Z, 2.00nm, 5.0s		AMB	AMB	09 35 02.0 +4.1
PV10	Paradox Valley	84.83 46	eP	P	09 34 54.3 -0.1
ANMO	Albuquerque	84.88 50	eP	P	09 34 55.0 +0.2
ANMO	comp-Z, 8.5nm, 1.3s, mb4.7		P	P	09 34 55.0 +0.2
ANMO	comp-Z, 3.17nm, 21.0s, MS4.7		LR	LR	09 34 55.0 +0.2
HWUT	Hardware Ranch	84.92 42	P	P	09 34 53.8 -1.0
HWUT	comp-Z, 5.99nm, 19.0s, MS5.0		LR	LR	09 34 53.8 -1.0
MA2	Magadan	85.03 343	PFAKE	LR	09 35 10.0 +1.5
MA2	comp-Z, 5.56nm, 20.0s, MS5.0		LR	LR	09 35 10.0 +1.5
NEW	Newport	85.60 34	PFAKE	LR	09 35 10.0 +1.2
NEW	comp-Z, 5.03nm, 19.0s, MS4.9		LR	LR	09 35 10.0 +1.2
AHID	Auburn Hatcher	85.84 41	PFAKE	LR	09 35 10.0 +1.1
AHID	comp-Z, 4.22nm, 19.0s, MS4.9		LR	LR	09 35 10.0 +1.1
TNA	Tin City	86.21 3	PFAKE	LR	09 35 10.0 +9.4
TNA	comp-Z, 1.94nm, 20.0s, MS4.5		LR	LR	09 35 10.0 +9.4
MSO	Missoula	86.47 37	PFAKE	LR	09 35 10.0 +7.7
MSO	comp-Z, 6.99nm, 19.0s, MS5.1		LR	LR	09 35 10.0 +7.7
PLCA	Paso Flores	86.52 132	LR	LR	10 07 08.2
PLCA	comp-Z, 2.88nm, 19.0s, MS4.7, baz=77, slow=31		LR	LR	10 07 08.2
MCK	McKinley	86.53 11	eP	P	09 35 01.7 -0.5
MCK	comp-Z, 5.1nm, 0.9s, mb4.8		LR	LR	09 35 01.7 -0.5
MCK	comp-Z, 2.24nm, 20.0s, MS4.6		LR	LR	09 35 01.7 -0.5
BW06	Boulder Array	86.80 42	PFAKE	LR	09 35 20.0 +1.6
BW06	comp-Z, 4.72nm, 19.0s, MS4.9		LR	LR	09 35 20.0 +1.6
PDAR	Pinedale Array	86.80 42	P	P	09 35 03.5 -0.7
PDAR	comp-Z, 1.3nm, 0.8s, mb4.2, baz=202, slow=3.4, SNR=9.8		P	P	09 35 03.5 -0.7
SDCO	Great Sand Dun	86.92 48	eP	P	09 35 04.4 -0.5
SDCO	comp-Z, 2.38nm, 20.0s, MS4.6		LR	LR	09 35 04.4 -0.5
SYO	Syowa Base	87.19 192	J/P	P	09 35 07.2 +1.8
SYO	comp-Z, 4.72nm, 19.0s, MS4.9		P	P	09 35 10.4 +1.8
SYO	Syowa Base	87.19 192	J/P	P	09 35 11.1 +3.8
VNA3	Neumayer Olymp	87.60 175	eP	P	09 35 13.8 +6.5
VNA3	comp-Z, 3.89nm, 19.0s, MS4.9		P	P	09 35 13.8 +6.5
VNA3	Neumayer Olymp	87.60 175	eP	P	09 35 06.9 -0.4
VNA3	comp-Z, 3.34nm, 22.0s, MS4.8		P	P	09 35 13.8
VNA3	Neumayer Olymp	87.60 175	eP	P	09 35 08.8 +1.5
VNA3	comp-Z, 3.34nm, 22.0s, MS4.8		P	P	09 35 11.6 +4.3
SNA3	Sanae	87.60 177	eP	P	09 35 07.2 -0.1
SNA3	comp-Z, 2.2nm				







Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Idaho Springs, Urumqi, Junction City, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Vitosha, Colim, Winterville, etc.

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Las Cruces, Papudo, etc.

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

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

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

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

ADC 28 10:02:21.3, 2.4, 54.08N, 87.17E, mb1 3.4/3, mb1mx3.2/22, ML3.3/3, Error ellipse: s-maj=29.3km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like Erkin-Say, Karatay Array, KK31, etc.

2.5nm,0.5s,mb4.1,baz=26,slow=9.6,SNR=8.1
NWAO Narrogin (SRO) 39.13 191 eP P 10 56 37.1 +0.2

STKA Stephens Creek 40.20 159 eP P 10 56 46.1 +0.4
MKAR Makanchi Array 55.48 325 P P 10 58 45.5 +0.5

KURK Kurchatov 52.66 327 eP P 10 59 12.9 -0.3
ZRNK Zerenda 65.97 326 eP P 10 59 54.4 -0.4

IDC 28 11:11:00.1-0.7, 12.59N:143.82E, mb4.0/1,m1 4.2/1,
mb1mx4.1/19, Error ellipse: s-maj=30.5km s-min=17.6km

NEIC 28 11:11:01.0-0.4, 12.52N:143.82E, h10km, mb4.5/1, Error
ellipse: s-maj=18.0km s-min=9.3km az=114.0

ISC 28 11:11:01.0-0.5, 12.46N:10.10:143.8E, 0.2, h17km, 36km,
n21, c094/18, mb4.2/14, 1C-1D, South of Mariana

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 GUMO Guam, WRAB Tennant Creek, WBR2 Warramunga Arr, etc.

IDC 28 11:12:04.5-1.9, 17.83S:167.83E, mb4.0/6, mb1 4.2/6,
mb1mx4.1/13, MS3.2/1, Ms1 3.2/1, ms1mx2.8/15, Error

NEIC 28 11:12:06.1-0.7, 17.85S:167.81E, h10km, mb4.2/7, Error
ellipse: s-maj=17.4km s-min=13.2km az=102.0

LDG 28 11:12:14.9-0.5, 18.13S:168.13E, h10km, mb4.5/1, Error
ellipse: s-maj=11.0km s-min=12.4km az=81.0

ISC 28 11:12:06.0-0.2, 17.94S:08.167.7E, 0.1, h17km, 18km,
n38, c108/19, mb4.2/10, MS3.0/1, D, Vanuatu Islands

IDC 28 11:12:04.5-1.9, 17.83S:167.83E, mb4.0/6, mb1 4.2/6,
mb1mx4.1/13, MS3.2/1, Ms1 3.2/1, ms1mx2.8/15, Error

NEIC 28 11:12:06.1-0.7, 17.85S:167.81E, h10km, mb4.2/7, Error
ellipse: s-maj=17.4km s-min=13.2km az=102.0

LDG 28 11:12:14.9-0.5, 18.13S:168.13E, h10km, mb4.5/1, Error
ellipse: s-maj=11.0km s-min=12.4km az=81.0

ISC 28 11:12:06.0-0.2, 17.94S:08.167.7E, 0.1, h17km, 18km,
n38, c108/19, mb4.2/10, MS3.0/1, D, Vanuatu Islands

IDC 28 11:12:04.5-1.9, 17.83S:167.83E, mb4.0/6, mb1 4.2/6,
mb1mx4.1/13, MS3.2/1, Ms1 3.2/1, ms1mx2.8/15, Error

NEIC 28 11:12:06.1-0.7, 17.85S:167.81E, h10km, mb4.2/7, Error
ellipse: s-maj=17.4km s-min=13.2km az=102.0

LDG 28 11:12:14.9-0.5, 18.13S:168.13E, h10km, mb4.5/1, Error
ellipse: s-maj=11.0km s-min=12.4km az=81.0

ISC 28 11:12:06.0-0.2, 17.94S:08.167.7E, 0.1, h17km, 18km,
n38, c108/19, mb4.2/10, MS3.0/1, D, Vanuatu Islands

IDC 28 11:12:04.5-1.9, 17.83S:167.83E, mb4.0/6, mb1 4.2/6,
mb1mx4.1/13, MS3.2/1, Ms1 3.2/1, ms1mx2.8/15, Error

NEIC 28 11:12:06.1-0.7, 17.85S:167.81E, h10km, mb4.2/7, Error
ellipse: s-maj=17.4km s-min=13.2km az=102.0

LDG 28 11:12:14.9-0.5, 18.13S:168.13E, h10km, mb4.5/1, Error
ellipse: s-maj=11.0km s-min=12.4km az=81.0

ISC 28 11:12:06.0-0.2, 17.94S:08.167.7E, 0.1, h17km, 18km,
n38, c108/19, mb4.2/10, MS3.0/1, D, Vanuatu Islands

IDC 28 11:12:04.5-1.9, 17.83S:167.83E, mb4.0/6, mb1 4.2/6,
mb1mx4.1/13, MS3.2/1, Ms1 3.2/1, ms1mx2.8/15, Error

NEIC 28 11:12:06.1-0.7, 17.85S:167.81E, h10km, mb4.2/7, Error
ellipse: s-maj=17.4km s-min=13.2km az=102.0

LDG 28 11:12:14.9-0.5, 18.13S:168.13E, h10km, mb4.5/1, Error
ellipse: s-maj=11.0km s-min=12.4km az=81.0

ISC 28 11:12:06.0-0.2, 17.94S:08.167.7E, 0.1, h17km, 18km,
n38, c108/19, mb4.2/10, MS3.0/1, D, Vanuatu Islands

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 AFI Afiamalau, RAR Rarotonga, RAR Rarotonga, etc.

MOS 28 11:45:14.9-0.9, 16.43S:173.52W, h33km, mb5.7/15,
MS5.3/14, Error ellipse: s-maj=18.8km s-min=15.1km

IDC 28 11:45:16.9-0.5, 16.31S:173.23W, h53km, 4km, mb4.9/17,
mb1 5.1/18, mb1mx5.1/19, MS5.0/15, Ms1 5.0/15,

SYO 28 11:45:17.1-1.1, 16.49S:173.04W, h54km, MB5.2
HRVD 28 11:45:17.1-1.1, 16.60S:172.62W, h62km, MW5.7/76,

Centroid moment tensor solution. LP body waves:
s67,c147;Mantle waves: s76,c174; Half duration: 1s8

Moment tensor: Scale 1071Nm; Mr=2.42e-05;
Mw=3.82e-05; Mw-1.96e-05; Mo=1.09e-04; Mw-1.02e-04;

Mw:2.06e-04; Best double couple: Mo:5.74e-04; NP1:
o:133; s5:1-33; NP2:o:245; o:64; l:136; Principal

axes: l:4.63; P1g7; N-12; P1g42; Azm27; P-4.87,

-4.51, P1g47; Azm104; nsta1 refers to body waves,

cutoff=40s, nsta2 refers to surface waves, cutoff=50s.

NEIC 28 11:45:17.1-1.1, 16.49S:173.04W, mb5.2/48, MW5.7

Error ellipse: s-maj=8.6km s-min=4.3km az=141.0

Moment Tensor Solution. s39 Moment tensor: Scale 1017

Nm; Mr=2.89; Mw=2.75; Ms=1.5; Mw:0.37; Mw:0.25;

Mw:2.81; Best double couple: Mo:4.61e-04; NP1:o:271;

s45; l:141; NP2:o:151; o:63; l:152; Principal axes: T

4.24, P1g10; Azm215; N-63, P1g34; Azm312; P-4.87,

P1g54; Azm110;

Bull 28 11:45:17.1, 16.50S:173.00W, h53km, mb5.4, mb5.2,

MS5.3, MS5.5

ISC 28 11:45:10.3-2.6, 16.51S:0.3-2.6, 147.88W, 0.04,

h15km, 16km, h43km, 2.3km; pP-P, Sma2, s12/217,

mb5k2, MS5.2/131, 32C-28D, Samoa Islands region

Code Station Name Az Az' Phase ID Time Res h m s ISC





Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various flags. Includes stations like DAVA, LCHFA, PERS, etc.

Table with columns: LIC, Lamto, 164.32 129, ePKPdf, PKPdf, 12 05 14.5, -3.1. Includes stations like LIC, TIC, KIC, DBIC, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and various flags. Includes stations like YKA, NVAR, ILAR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BJO Bjornoya, SPB4 Spitsbergen Ar, ARAO ARCESS Array S, etc.

IDC 28 15:24:55.3;0.6,28.27Sx176.08W,mb4.6/11,mb1 4.7/14, mb1mx4.7/17,ML4.0/3,MS3.9/8,Ms1 3.9/8,ms1mx3.6/16, Error ellipse: s-maj=31.0km s-min=18.1km az=157.0, NEIC 28 15:03:50.4;0.2,17.3Sx176.20W,h60km,mb4.7/8, Error ellipse: s-maj=15.6km s-min=11.9km az=157.0, ISC 28 15:25:01.4;2.0,29.13Sx0.07-176.0W,0.1,h68km,18km, n71,cf120/48,mb4.5/18,9C-2D,Kermadec Islands region

Main table of station data for the Svalbard region, including stations like PUK Puketiti, URZ Urewera, MRZ Mangatainoka, etc.

Table of station data for the Borovoye region, including stations like BRVK Borovoye, ZRNK Zerenda, ARCES ARCESS Array B, etc.

NIED 28 15:43:00,41.90N,144.20E,h8km,Mw3.6 Best double couple: M2.92x1014 NP1.98x198,884,lambda 173, NP2: phi289, delta3, lambda6, JMA 28 15:43:03.4;1.1,45.9N,144.24E,h32km,2km,M3.7, ISC 28 15:43:02.1;2.3,41.9N,10.1x144.3E,0.1,h24km,12km,n6, cf027/11,Hokkaido region

Table of station data for the Hokkaido region, including stations like JEM Erimo, JCH Churui, JOB Onbetsu, etc.

HEL 28 15:44:38.5;0.1,67.05N,20.82E,ML2.2,ML1.8(UPP), ML1.6(BER),Explosion NAO 28 15:44:39.2;2.1,67.07N,21.35E,ML2.1, BER 28 15:44:39.7;3.1,67.04N,20.98E,ML1.6,ML2.1(NAO), Suspected explosion

Main table of station data for the Borovoye region, including stations like KIF Kilpisjarvi, KUT Kautokeino, SGF Sodankyl, etc.

MOS 28 16:08:48.2;1.6,49.81N,87.50E,h10km,mb4.7/2, Error ellipse: s-maj=10.8km s-min=6.5km az=108.7, BUJ 28 16:08:48.5,49.96N,87.59E,h11km,mb4.3,mb4.7,ML4.4, NNC 28 16:08:48.4,4.4,49.83N,87.65E,h8km,12km,mpv4.7, Error ellipse: s-maj=36.3km s-min=21.4km az=85.0, IDC 28 16:05:48.2;0.6,49.94N,87.84E,mb4.0/11,mb1 4.1/15, mb1mx4.0/22,ML4.0/4,MS2.7/1,Ms1 2.7/1,ms1mx1.7/25, Error ellipse: s-maj=12.1km s-min=9.4km az=69.0, NEIC 28 16:08:50.0;0.7,49.94N,87.73E,h10km, Error ellipse: s-maj=16.3km s-min=10.4km az=49.0, ISC 28 16:08:48.1;1.0,49.86N,0.03-87.54E,0.05,h7km,6gkm, n66,cf142/83,mb4.2/19,MS3.5/1,10C-6D, Kazakhstan-Xinjiang border region

Table of station data for the Kazakhstan-Xinjiang border region, including stations like AKAR Akhsh, KTRN Kaitanak, ELDR Elanda, etc.

Main table of station data for the Makanchi Array region, including stations like MKAR Makanchi Array, NVS Novosibirsk, KURK Kurchatov, etc.

KRSC 28 16:10:24.9;1.4,48.87N,156.01E,h40km,53km,ML4.3, East of Kuril Islands



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include SKR Severo-Kuril's, ALID Alaid, PAU Pauzhetka, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include QSPA Matushiro, MAJO Matushiro, MAT Matushiro, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include YAK Yakutsk, LZH Lanzhou, RSSD Black Hills, etc.

NEIC 28 16:31:40.8±2.4, 7.49S; 125.12E, h389km, 31km, mb4.5/3, Error ellipse: s-maj=23.0km s-min=12.8km az=64.0

IDC 28 16:31:41.5±3.0, 7.52S; 125.06E, h395km, 36km, mb3.3/6, mb1.3/6.9, mb1mx3.5±5.0, Error ellipse: s-maj=38.5km s-min=11.1km az=61.0

ISC 28 16:31:37.5±2.2, 7.45S±0.1, 125.3E±0.2, h368km±25km, n18, c094/21, mb3.7/7, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include FITZ Fitzroy Crossi, WRAB Tennant Creek, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include MDJ Mudjanjing, YBH Yreka Blue Her, BUOR Burton Butte, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include ARU Arti, AR31 Arkulak array, ARCES ARCESS Array B, etc.

MOS 28 16:33:27.6±2.7, 19.54S; 178.30W, h427km, mb5.1/4, Error ellipse: s-maj=20.6km s-min=14.9km az=20.7

SYO 28 16:33:34.1, 20.49S; 178.20W, h529km, MB4.6, BUJ 28 16:33:34.1, 20.50S; 178.20W, h529km, mb4.9, mb4.9

IDC 28 16:33:34.9±1.6, 20.69S; 178.08W, h542km, 1.7km, mb4.1/17, mb1.4/3.19, mb1mx4.2±2.0, Error ellipse: s-maj=16.5km s-min=11.1km az=160.0

NEIC 28 16:33:34.1±1.2, 20.49S; 178.20W, h529km, 1.3km, mb4.6/31, Error ellipse: s-maj=8.2km s-min=5.8km az=151.0

ISC 28 16:33:34.5±0.2, 20.62S±0.05; 178.21W±0.06, h545km, h545km±2.5km; pp-N, n264, s105/127, mb4.7/55, 20C-43D, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include RAR Rarotonga, PUK Puketiti, URZ Urewera, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include ENH Enshi, TNA Tin City, GYA Guiyang, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include LVV L'vov, BSEB Bad Segeberg, DCN Croghan, etc.















Table with columns for station call letters, frequency, power, and other technical details. Includes stations like CCIG, TEIG, CMIG, NEJ, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MIAR, SLB, BIM, TXAR, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BINY, QUAZ, WUAZ, etc.

Table with columns for station name, frequency, and other details. Includes stations like SPUT, BGU, AHID, HVU, TPH, WDC, etc.

Table with columns for station name, frequency, and other details. Includes stations like NSHM, CHMT, MSO, MOD, HOPS, WDC, etc.

Table with columns for station name, frequency, and other details. Includes stations like GNW, FCC, PLCA, YKA, etc.







Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ICR Volcan Irazu, URSC Urasca, TRTC Tortuguero, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PLAL Pickwick Lake, SWET Sewanee, TXAR Lajitas Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like QUIF Quistinic, ECAL Calabor, EARR Arriodas, etc.

IDC 29 01:31:52.6,0.5, 37.88N, 48.85E, mb3.8/4, mb1 4.0/4, mb1mx3.5/16, Error ellipse: s-maj=142.0km s-min=49.3km az=3.0

ISC 29 01:51:59.0,5.5, 38.4N, 49.49E, 0.4, h33km, b4, c0511/4, mb3.7/4, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FINES FINES Array B, ZAL Zalesovo, YKA Yellowknife Ar, etc.

CASC 29 01:58:46.8,2.0, 10.22N, 86.33W, MD4.1, ML3.0, 5C-1D, Off coast of Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VCR Vista de Mar, VCR Vista de Mar, CRZC La Cruz, etc.

CASC 29 01:54:24.6,1.9, 10.28N, 86.26W, MD4.5, ML3.9, mb4.7(NEIC)

NEIC 29 01:54:27.0, 10.31N, 86.21W, h16km, mb4.7/6, MD4.4(CASC), After CASC

IDC 29 01:54:40.6,4.3, 11.19N, 85.89W, h113km, 39km, mb3.8/14, mb1 4.0/15, mb1mx3.8/24, MS4.2/1, Ms1 4.2/1, ms1mx3.7/25, Error ellipse: s-maj=27.0km s-min=14.1km az=50.0

ISC 29 01:54:25.2,0.5, 10.26N, 0.05, 86.33W, 0.04, h16km, n96, c15/94, mb4.3/20, MS4.1/1, 18C-8D, Off coast of Costa Rica

CASC 29 01:54:24.6,1.9, 10.28N, 86.26W, MD4.5, ML3.9, mb4.7(NEIC)

NEIC 29 01:54:27.0, 10.31N, 86.21W, h16km, mb4.7/6, MD4.4(CASC), After CASC

IDC 29 01:54:40.6,4.3, 11.19N, 85.89W, h113km, 39km, mb3.8/14, mb1 4.0/15, mb1mx3.8/24, MS4.2/1, Ms1 4.2/1, ms1mx3.7/25, Error ellipse: s-maj=27.0km s-min=14.1km az=50.0

ISC 29 01:54:25.2,0.5, 10.26N, 0.05, 86.33W, 0.04, h16km, n96, c15/94, mb4.3/20, MS4.1/1, 18C-8D, Off coast of Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VCR Vista de Mar, CRZC La Cruz, CONN Concepcion, etc.

CASC 29 01:58:46.8,2.0, 10.22N, 86.33W, MD4.1, ML3.0, 5C-1D, Off coast of Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VCR Vista de Mar, CRZC La Cruz, CONN Concepcion, etc.

CASC 29 01:54:24.6,1.9, 10.28N, 86.26W, MD4.5, ML3.9, mb4.7(NEIC)

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SMRF Simiane la Rot, NB2 NORBAR Subarra, NOA NORSTAR Array B, etc.

MAN 29 02:03:18.3, 9.77N, 122.32E, h1km, mb4.4, ML3.3, MS3.1, 3D, Negros

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AAP Anini-y, SNPH Sibulan, TBP Tagbilaran, etc.

MAN 29 02:09:53.9, 14.89N, 121.59E, h40km, mb4.2, ML3.0, MS2.7, 1C, Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LQP Lukban, TGY Tagaytay City, BOAC Boac, etc.

MAN 29 02:13:39.6, 13.54N, 121.40E, h3km, mb4.2, ML3.0, MS2.7, 1D, Mindoro

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BOAC Boac, PGP Puerto Galera, BOAC Boac, etc.

NEIC 29 02:22:56.8,0.4, 49.76N, 28.80W, h10km, mb4.3/40, MS4.2/2, Error ellipse: s-maj=12.7km s-min=4.8km

IDC 29 02:22:56.1, 0.8, 49.85N, 28.96W, mb3.9/18, mb1 4.1/19, mb1mx4.0/27, ML3.7/1, MS4.2/4, Ms1 4.2/4, ms1mx3.9/29, Error ellipse: s-maj=26.3km s-min=12.9km az=1.0

ISC 29 02:22:55.2, 0.4, 49.77N, 28.81W, 0.05, h10km, n85, c130/81, mb4.2/42, MS4.0/4, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EMAZ Mazaricos, STS Santiago, EINC Inco, etc.

NEIC 29 02:22:56.8,0.4, 49.76N, 28.80W, h10km, mb4.3/40, MS4.2/2, Error ellipse: s-maj=12.7km s-min=4.8km

IDC 29 02:22:56.1, 0.8, 49.85N, 28.96W, mb3.9/18, mb1 4.1/19, mb1mx4.0/27, ML3.7/1, MS4.2/4, Ms1 4.2/4, ms1mx3.9/29, Error ellipse: s-maj=26.3km s-min=12.9km az=1.0

ISC 29 02:22:55.2, 0.4, 49.77N, 28.81W, 0.05, h10km, n85, c130/81, mb4.2/42, MS4.0/4, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EMAZ Mazaricos, STS Santiago, EINC Inco, etc.

MAN 29 02:28:19.6, 1.1, 24.78S, 175.83W, mb4.2/10, mb1 4.4/12, mb1mx4.3/18, ML4.4/2, Error ellipse: s-maj=41.3km s-min=23.6km az=158.0

NEIC 29 02:28:34.8, 4.9, 24.79S, 176.02W, h127km, 42km, mb4.4/4, Error ellipse: s-maj=27.0km s-min=17.4km az=204.0

ISC 29 02:28:33.7, 0.8, 24.85S, 0.1, 176.1W, 0.1, h127km, n31, c130/81, mb4.2/42, MS4.0/4, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like QUIF Quistinic, ECAL Calabor, EARR Arriodas, etc.









29d 9h

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

h28, c1513/23, mb4.0/16, South of Fiji Islands
Code Station Name Az AzZ Phase ID Time Res ISC

IDC 29:07:19:01.7-0.8, 11.66N-144.33E, mb4.1/14, mb1 4.3/14, mb1mx4.2/23, Error ellipse: s-maj=25.9km s-min=20.0km az=93.0

NEIC 29:07:19:06.1-0.5, 11.66N-144.33E, h30km, mb4.3/8, Error ellipse: s-maj=13.8km s-min=11.5km az=103.0

ISC 29:07:19:04.5-4.6, 11.63N-101.144.3E-0.1, h30km, mb3.1km, n34, c092/34, mb4.2/21, South of Mariana Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GUMO Guam, JMWJ Matsushiro, WRAB Tennant Creek, etc.

NEIC 29:07:22:04.9-0.6, 4.99S-103.01E, h30km, mb4.5/8, Error ellipse: s-maj=30.0km s-min=5.7km az=48.0

IDC 29:07:22:08.2-1.1, 4.99S-102.97E, h60km, mb3.9/14, mb1 4.0/14, mb1mx3.9/18, MS3.4/2, Ms1 3.4/2, mb1mx2.9/23, Error ellipse: s-maj=46.4km s-min=11.8km az=49.0

ISC 29:07:22:06.2-0.8, 4.95S-103.1E-0.2, h56km, h56km, 3.5km; P-P, n37, c086/32, mb4.4/22, MS3.3/2, 1D, Southern Sumatra

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CM31 Chiang Mai Arr, etc.

200 APR

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

MAN 29:07:29:02.1, 10.78N-125.82E, h22km, mb4.4, ML3.3, MS3.1

BUI 29:07:29:02.9, 10.78N-125.91E, h105km, mb4.9, mb4.7

NEIC 29:07:29:05.4-1.8, 10.69N-125.65E, h73km, mb4.5/16, Error ellipse: s-maj=14.8km s-min=6.0km az=65.0

IDC 29:07:29:06.0-3.9, 10.72N-125.71E, h79km, mb3.6/9, mb1 4.1/18, mb1mx4.0/23, MS3.4/5, Ms1 3.4/5, ms1mx2.9/27, Error ellipse: s-maj=31.1km s-min=10.9km az=65.0

ISC 29:07:29:02.5-0.7, 10.79N-103.125.84E-0.05, h61km, 6km, MS3.4, c180/67, mb4.3/30, 4C, 7D, Leyte

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BESP Borongan, PLP Palo, SCPH Sirigao, etc.

Code Station Name Az AzZ Phase ID Time Res ISC. Includes stations like CMAR Chiang Mai Arr, FITZ Fitzroy Crossi, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GKN Gorkha, KOLA Koldanda, STKA Stephens Creek, etc.

WEL 29:07:35:29.9-0.2, 38.48S-176.36E, h91km, 2km, ML3.5/1, 1C-1D, Error ellipse: s-maj=1.6km s-min=1.5km az=0.0, North Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like URZ Urewera, BKZ Black Stump Elm, MGZ Maungaku, etc.

IDC 29:07:47:03.6-1.6, 6.27S-129.62E, mb4.2/2, mb1 4.3/5, mb1mx4.0/13, ML3.8/3, Error ellipse: s-maj=79.1km s-min=23.3km az=71.0

NEIC 29:07:47:08.0-1.0, 6.26S-129.93E, h40km, mb4.8/1, Error ellipse: s-maj=37.4km s-min=12.2km az=71.0

ISC 29:07:47:18.2-2.4, 6.95S-119.65E-0.2, h157km, 24km, n12, c140/20, mb4.1/3, 2C, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KAKA Kakadu, FITZ Fitzroy Crossi, WRAB Tennant Creek, etc.

BER 29:08:37:44.8-4.2, 55.12N-30.68E, ML2.3(NAO), Suspected explosion

HEL 29:08:37:46.6-1.2, 55.09N-30.67E, ML2.3(NAO), Explosion

FIAO 29:08:37:48.7, 55.12N-29.99E, ML2.5, Explosion

NAO 29:08:37:55.0-8.3, 55.56N-30.67E, h18km, 48km, ML2.3

ISC 29:08:37:52.1-3.0, 55.6N-10.29E-0.3, n6, c094/11, Baltic States - Belarus - Northwestern Russia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like FIAO FINESS Array S, FIAO FINESS Array S, etc.

CASC 29:09:27:19.3-1.9, 10.39N-86.25W, h40km, 6ML3.9, MW4.7, mb4.5(NEIC)

BUI 29:09:27:19.9-0.4, 10.70N-86.00W, h10km, Ms4.8, Ms4.4

NEIC 29:09:27:19.9-0.4, 10.68N-85.97W, h10km, Ms4.9, Error ellipse: s-maj=14.7km s-min=6.2km az=55.0

IDC 29:09:27:36.5-4.6, 11.56N-85.59W, h128km, 38km, mb3.8/8, mb1 4.0/10, mb1mx3.7/21, MS3.7/2, Ms1 3.8/2,





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, FITZ Fitzroy Crossi, etc.

CASC 29:09:58:05.0:2.0, 10.28N:86.36W, h27km, 16km, MD4.1, ML3.0

ISC 29:09:58:09.5:17.0, 11.84N:85.71W, mb3.4/5, mb1 3.8/5, mb1mx3.6/18, Error ellipse: s-maj=336.0km s-min=53.8km

ISC 29:09:58:04.1:1.4, 10.29N:0.06:86.38W, 0.06, h22km, 12km, n30, c095/33, mb3.3/5, 7C-3D, Off coast of Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for VCR Vista de Mar, CRZC La Cruz, JCR Jicaral, etc.

WLAN comp=E:137nm,0.4s Americas 2 1.87 6I eP Pn 09 58 35.0 -0.3

PDAR Pinedale Array 38.16 32 P 10 05 22.0 -1.7

SCHO Schefferville 47.05 15 P 10 06 30.4 -5.5

YKA Yellowknife Arr 55.96 345 P 10 07 38.8 -4.0

ISC 29:10:20:31.9:1.6, 30.61S:177.35W, mb4.2/5, mb1 4.3/7, mb1mx4.1/16, ML3.4/2, Error ellipse: s-maj=48.9km s-min=27.1km az=141.0

NEIC 29:10:20:32.2:1.0, 30.70S:177.15W, h10km, mb4.7/3, Error ellipse: s-maj=17.9km s-min=34.0

ISC 29:10:20:31.6:6.6, 30.73S:0.10:177.0W, 0.2, h25km, 47km, n19, c080/15, mb4.3/7, Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for URZ Urewera, URZ 0.3nm, 0.3s, bazz=111, slow=13, SNR=9.9, etc.

ISC 29:10:33:41.7:10.0, 16.58N:105.06W, mb3.2/3, mb1 3.7/4, mb1mx3.5/18, ML3.1/1, Error ellipse: s-maj=200.0km s-min=106.7km az=135.0

ISC 29:10:33:45.5:1.6, 17.7N:0.7:104.8W, 0.9, h33km, n4, c1842/4, mb3.1/3, Off coast of Michoacan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for TXAR Lajitas Array, NVAR Mina Array, PDAR Pinedale Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for YKA Yellowknife Arr, BVAR Borovoye Array, FINES FINESS Array B, etc.

IGQ 29:10:58:22.5:0.13S:80.94W, h21km, 5km, mb4.3, 9C-3D, Error ellipse: s-maj=7.0km s-min=4.9km az=45.8, Near coast of Ecuador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for JAMA Jama, CUPA Cupa, QIL1 QUILTOA, etc.

ISC 29:11:02:49.3:1.8, 1.57N:126.10E, mb3.7/3, mb1 1.0/3, mb1mx3.6/15, Error ellipse: s-maj=171.0km s-min=25.5km az=65.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for WRA Warramunga Arr, WB2 Warramunga Arr, ASAR Alice Springs, etc.

PPT 29:11:39:26.3:0.1, 21.44S:149.34W, h12km, MI3.5/15, Error ellipse: s-maj=37.0km s-min=1.8km az=91.0, Tubuai Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for TBI Tubuai, TVO Taravao, PAE Paea, etc.

JMA 29:11:52:15.3:0.2, 32.02N:138.08E, h408km, M3.5, NEIC 29:11:52:17.1:0.7, 32.04N:137.87E, h391km, mb4.0/13, Error ellipse: s-maj=10.0km s-min=7.7km az=128.0

ISC 29:11:52:17.1:0.6, 32.02N:137.95E, h388km, 7km, mb3.2/15, mb1 3.3/19, mb1mx3.3/26, Error ellipse: s-maj=13.5km s-min=9.9km az=102.0

BUI 29:11:52:21.0, 32.65N:137.44E, h391km, mb4.3, mb4.1, ISC 29:11:52:15.7:0.4, 31.98N:0.05:137.99E, 0.06, h396km, 3km, n65, c092/78, mb3.7/28, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for JHJ Hachioji jima, JHU Hujia, JH2 Mitsune, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for BJT Baijittau, BJI Beijing, BJJ Beijing, etc.

ISC 29:12:49:07.4:0.9, 40.19N:72.99E, mb3.8/11, mb1 3.9/14, mb1mx3.8/22, ML3.2/3, Error ellipse: s-maj=19.0km s-min=16.1km az=167.0

MOS 29:12:49:10.9:2.1, 40.20N:72.66E, h33km, mb4.0/3, Error ellipse: s-maj=28.7km s-min=13.7km az=70.4, MOS Felt (III) at Osh.

NIC 29:12:49:12.8:2.1, 40.18N:0.07:72.94E, 0.09, h48km, 11km, n51, c1902/48, mb3.8/13, 5C-6D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

ISC 29:12:49:07.4:0.9, 40.19N:72.99E, mb3.8/11, mb1 3.9/14, mb1mx3.8/22, ML3.2/3, Error ellipse: s-maj=19.0km s-min=16.1km az=167.0

MOS 29:12:49:10.9:2.1, 40.20N:72.66E, h33km, mb4.0/3, Error ellipse: s-maj=28.7km s-min=13.7km az=70.4, MOS Felt (III) at Osh.

NIC 29:12:49:12.8:2.1, 40.18N:0.07:72.94E, 0.09, h48km, 11km, n51, c1902/48, mb3.8/13, 5C-6D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.











Table with columns: ETOB, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for Tobarra, Alkuruntz, Ealsk, etc.

LDG 29 19:19:53.4, 0.1, 43.09N, 1.56W, h2km, M1.8/1, Error ellipse: s-maj=5.1km s-min=2.0km az=6.0

MDD 29 19:19:53.2, 0.7, 43.04N, 1.57W, h3km, 1.4km, mbLg1.4/4, Error ellipse: s-maj=6.5km s-min=3.3km az=30.0, PPRXIMO

ISC 29 19:19:51.5, 1.3, 43.0N, 0.1, 1.59W, 0.07, h4km, 1.8km, n6, #087/8, Pyrenees

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for Limon Verde, LPaz, LPaz, etc.

TIF 29 19:49:27.1, 4.2, 06N, 45.93E, h10km, Mpv4.5

MOS 29 19:49:29.7, 1.9, 42.13N, 45.95E, h15km, mb3.8/4, Error ellipse: s-maj=11.9km s-min=9.4km az=97.8

NNC 29 19:49:33.4, 6.4, 42.28N, 46.47E, Error ellipse: s-maj=107.6km s-min=67.2km az=125.0

NEIC 29 19:49:33.8, 1.4, 42.09N, 45.92E, h40km, 1.7km, mb3.7/3, Error ellipse: s-maj=12.9km s-min=10.7km az=202.0

ISC 29 19:49:35.1, 5.8, 42.24N, 45.93E, h42km, 55km, mb3.4/8, mb1.3/5.0, mb1mx3.4/21, ML3.3/2, Error ellipse: s-maj=46.0km s-min=19.7km az=22.0

ISC 29 19:49:28.6, 0.9, 42.17N, 0.03, 46.01E, 0.03, h7km, 7km, n59, #137/77, mb3.5/9, 10C-3B, Eastern Caucasus

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for Zaqatala, David-gareji, Dusheti, etc.

Table with columns: SOC, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for Akbulak array, Malin Array, Obninsk, etc.

NEIC 29 19:49:58.8, 37.73N, 121.82W, h19km, ML3.6(NCEDC), MW3.7(BRKF), After NCEDC, Central California

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for Lake Chabot, San Andreas, etc.

MOS 29 19:56:57.1, 3.5, 76S, 130.86E, h72km, mb5.8/10, Error ellipse: s-maj=21.3km s-min=8.2km az=116.8

BUI 29 19:56:58.7, 5.68S, 131.28E, h89km, mb5.1, mb5.3, Ms4.6, Ms4.3

SYO 29 19:57:00.4, 5.53S, 131.01E, h77km, MB5.2

NEIC 29 19:57:00.4, 0.2, 5.53S, 131.01E, mb5.2/39, Error ellipse: s-maj=7.7km s-min=4.4km az=64.0

HRVD 29 19:57:00.4, 0.3, 5.53S, 130.90E, h102km, 3km, MW5.0/49, Centroid moment Tensor Solution. P body waves: s=49, c=82; Half duration: 0 Moment tensor: Scale 10^19Nm; Mr:0.75; 15; Mw:3.46; 13; Mw2.71; 17; Mw1.29; 09; Mw1.37; 15; Mw1.53; 11; Best double couple: M3.98x10^16 Np1.0e324, d60, l167. NP2.0e60, d79, l31. Principal axes: T 3.99, P1g29, Azm286; N-.04, P1g58; Azm78; P-3.96, P1g12; Azm189; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 29 19:57:05.0, 8.0, 4.5, 53S, 131.18E, h120km, 3km, mb4.9/16, mb1.5/0.20, mb1mx5.0/21, MS3.6/6, Ms1.3/6.6, ms1mx3.5/15, Error ellipse: s-maj=18.8km s-min=8.5km

ISC 29 19:56:58.8, 0.2, 5.59S, 0.03, 131.02E, 0.05, h75km, h75km, 1.3km, pp-P, n229, #1904/193, mb5.2/70, 38C-11D, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for Kakadu, Fitzroy Crossi, etc.

Table with columns: ASAR, Station Name, Az, Phase ID, Time, Res, ISC. Includes entries for Alice Springs, Kota Kinabalu, Charters Tower, etc.







CASC 29:19:57:10.6:2.3, 9.76N-82.65W, h10km, 12km, MD4.1, MW4.5, mb4.0(NEIC), Fault plane solution:  $NP1_{30}S38.55^{\circ}, 678.69^{\circ}, -1.33, 34^{\circ}$ , NEIC 29:19:57:11.2, 9.72N-82.78W, mb4.0/3, MD4.3(CASC), After CASC, ISC 29:19:57:09.3:1.6, 9.82N-0.03-82.58W-0.03, h10km, 12km, n36, e1504/50, mb4.3/4, 8C-9D, Panama-Costa Rica border region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
BRUZ	Volcan	1.02	186E	Op	19 57 28.5	-0.1
BRUZ	Volcan	1.02	186E	Op	19 57 42.1	+0.2
URSC	Urasca	1.18	271E	Op	19 57 30.5	-0.9
BUS	Buena Vista	1.19	257E	Op	19 57 30.8	-0.7
ICR	Volcan Irazu	1.25	278E	Op	19 57 46.0	-0.8
ICR	Volcan Irazu	1.25	278E	Op	19 57 32.1	-0.3
ACR	Cerro Adams	1.30	207E	Op	19 57 50.5	+2.2
ACR	Cerro Adams	1.30	207E	Op	19 57 32.4	-0.9
TRTC	Tortuguero	1.35	304E	Op	19 57 49.4	-0.4
TRTC	Tortuguero	1.35	304E	Op	19 57 33.1	-1.1
DVD	David	1.38	175E	Op	19 57 35.6	+0.9
DVD	David	1.38	175E	Op	19 57 49.0	-3.2
LCR2	La Lucha 2	1.41	267E	Op	19 57 34.4	-0.6
SJS	Escuela Geolog	1.46	275E	Op	19 57 53.3	-0.5
SJS	Escuela Geolog	1.46	275E	Op	19 57 35.3	-0.5
SJS	Escuela Geolog	1.46	275E	Op	19 57 53.4	-1.1
LAJ	Bijagal	1.52	272E	Op	19 57 43.2	+6.6
PTP1	Petroterminal	1.61	271E	Op	19 57 39.4	+1.4
PTP1	Petroterminal	1.61	271E	Op	19 57 38.7	-0.2
VPS2	Volcan Poas 2	1.67	283E	Op	19 57 38.6	-0.3
VPS2	Volcan Poas 2	1.67	283E	Op	19 57 38.7	-0.2
PRS1	Puriscal	1.72	276E	Op	19 57 40.0	+0.6
PRS1	Puriscal	1.72	276E	Op	19 57 40.0	+0.6
CGA2	Cerro Gallo 2	1.87	276E	Op	19 58 05.5	+0.1
CGA2	Cerro Gallo 2	1.87	276E	Op	19 57 42.0	+0.3
CGA2	Cerro Gallo 2	1.87	276E	Op	19 58 06.3	+0.8
FORC	Fortuna	2.16	288E	Op	19 57 47.6	+1.8
JCR	Jicaral	2.50	271E	Op	19 57 51.2	+0.6
JCR	Jicaral	2.50	271E	Op	19 57 51.2	+0.6
JCR	Jicaral	2.50	271E	Op	19 58 21.6	+0.2
ACH	Altos	2.85	113E	Op	19 57 56.0	+0.3
VCR	Vista de Mar	3.02	276E	Op	19 57 59.2	+1.1
VCR	Vista de Mar	3.02	276E	Op	19 57 59.6	+1.4
AZU	Azuero	3.04	131E	Op	19 58 02.8	+0.9
UPA	Univ. de Panam	3.12	105E	Op	19 58 00.2	+0.8
UPA	Univ. de Panam	3.12	105E	Op	19 58 33.5	-3.7
CRZC	La Cruz	3.18	291E	Op	19 58 00.8	+0.5
CRZC	La Cruz	3.18	291E	Op	19 58 00.9	+0.6
JEF	Cerro Jefe	3.22	100E	Op	19 58 00.9	+0.9
JEF	Cerro Jefe	3.22	100E	Op	19 58 00.9	+0.9
JCT	Junction City	26.08	324E	Op	20 02 46.0	+1.1
PWV	Princeton	27.43	3	Op	20 03 05.4	+8.1
ACSO	Alum Creek Sta	30.29	359E	Op	20 03 23.8	+0.8
PV10	Paradox Valley	37.34	324E	Op	20 04 20.5	-0.7
PV10	Paradox Valley	37.34	324E	Op	20 04 27.9	-0.7
RSSD	Black Hills	38.91	335E	Op	20 04 35.0	-1.8
HWUT	Hardware Ranch	40.66	326E	Op	20 04 50.7	-0.7

LDG 29:20:00:40.8:0.3, 43.11N-1.58W, h2km, Md2.2/2, Ml2.1/3, Error ellipse:  $s-maj=4.8km$   $s-min=3.2km$   $az=45.0$

MDD 29:20:00:41.6:0.3, 43.10N-1.53W, h10km, 20km, mbLg1.8/11, Error ellipse:  $s-maj=4.7km$   $s-min=2.0km$   $az=18.0$ , RXIMO ISC 29:20:00:39.3:0.5, 43.05N-0.03-1.58W-0.04, h10km, n21, e094/33, 1D, Pyrenees

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
EALK	Alkuruntz	0.18	17	Op	20 00 44.4	+1.0
EALK	Alkuruntz	0.18	17	Op	20 00 46.9	-0.7
SJPF	Ste Jean	0.27	75	Op	20 00 45.9	+0.9
SJPF	Ste Jean	0.27	75	Op	20 00 49.5	+0.7
OSSF	Osses	0.31	48	Pg	20 00 46.0	+0.2
OSSF	Osses	0.31	48	Pg	20 00 49.7	-0.7
LARF	Larrau	0.43	91	Pg	20 00 49.0	+0.8
LARF	Larrau	0.43	91	Pg	20 00 54.8	-0.7
ORDF	Ordaitz	0.50	70	Pg	20 00 49.7	+0.2
ORDF	Ordaitz	0.50	70	Pg	20 00 52.1	+0.1
ATE	Arette	0.65	86	Pg	20 00 54.7	0.0
ATE	Arette	0.65	86	Pg	20 01 01.1	-0.1
ETSF	Etsaut	0.76	101	Op	20 00 54.7	0.0
ETSF	Etsaut	0.76	101	Op	20 01 05.8	+0.8
VIEF	Viezy	1.19	97	Lg	20 01 17.9	-0.7
ELAN	Lanestosa	1.37	278	Pg	20 01 06.9	+0.2
ELAN	Lanestosa	1.37	278	Pg	20 01 26.9	-0.7
EPF	Esparrros	1.41	90	Op	20 01 05.9	+0.7
EPF	Esparrros	1.41	90	Op	20 01 07.4	-0.1
EPF	Esparrros	1.41	90	Op	20 01 26.1	-0.2
ESAC	San Caprasio	1.56	148	Pg	20 01 10.6	+0.1
ESAC	San Caprasio	1.56	148	Pg	20 01 32.0	-0.7
ETOR	Toretz	2.25	189	Pn	20 01 18.9	+1.6
ETOR	Toretz	2.25	189	Pn	20 01 24.3	0.0
ETOR	Toretz	2.25	189	Pn	20 01 46.4	+1.0
ETOR	Toretz	2.25	189	Pn	20 01 55.2	-0.7
ERTA	Horta de San J	2.53	145	Pn	20 01 22.0	+0.8
ERTA	Horta de San J	2.53	145	Pn	20 01 28.6	-1.2
ERTA	Horta de San J	2.53	145	Pn	20 01 51.4	-1.0
ERTA	Horta de San J	2.53	145	Pn	20 02 02.9	-0.7
EMIR	Miracle	2.56	115	Pg	20 01 28.3	-2.2
EMIR	Miracle	2.56	115	Pg	20 02 02.9	-0.7
EPOB	Poblet	2.60	130	Pn	20 01 22.8	+0.5
EPOB	Poblet	2.60	130	Pn	20 01 53.8	-0.4
EPOB	Poblet	2.60	130	Pn	20 02 05.4	-0.7
EARI	Ariandras	2.67	277	Pn	20 01 24.0	+0.8
EARI	Ariandras	2.67	277	Pn	20 01 54.7	-1.2
EMOS	Mosqueruela	2.81	162	Pn	20 01 26.4	+1.2
EMOS	Mosqueruela	2.81	162	Pn	20 01 58.5	-0.9
EMOS	Mosqueruela	2.81	162	Pn	20 02 13.2	-0.7
RJF	Les Rejaudoux	3.17	44	Op	20 01 29.4	-1.0
RJF	Les Rejaudoux	3.17	44	Op	20 02 04.4	-4.3
CAF	Calviac	3.23	53	Op	20 01 30.0	-1.2
CAF	Calviac	3.23	53	Op	20 02 07.2	-3.0
EJON	La Jonquera	3.35	99	Pn	20 01 32.4	-0.4
ESDC	Sonsera Array	3.82	209	Op	20 02 24.0	-0.9

NEIC 29:20:02:43.2:2.2, 24.24S-179.87E, h517km, 25km, mb3.9/3, Error ellipse:  $s-maj=17.4km$   $s-min=15.0km$   $az=215.0$

ISC 29:20:02:43.0:3.8, 24.28S-179.91E, h524km, 41km, mb3.7/10, mb1.3.8/11, mb1mx3.7/17, Error ellipse:  $s-maj=25.7km$   $s-min=18.5km$   $az=43.0$

ISC 29:20:02:40.5:3.2, 24.25S-0.1-179.8E-0.1, h500km, 37km, n30, e091/22, mb4.0/11, 3D, South of Fiji Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
URZ	Urewera	14.22	189	Op	20 05 42.3	-0.7
URZ	Urewera	14.22	189	Op	20 08 10.3	+0.3
SNZO	South Karori	17.60	193	Op	20 06 05.8	-1.1
RNZP	Rata Peaks	17.67	198	Op	20 06 46.7	-0.1
CTA	Charters Tower	31.33	271	Op	20 08 21.6	+1.0
PMG	Port Moresby	34.45	290	Op	20 08 47.9	+0.9
ASAR	Alice Springs	41.84	261	Op	20 09 47.8	+0.5
WRA	Warramunga Arr	42.24	267	Op	20 09 50.1	-0.4
FITZ	Fitzroy Crossi	50.66	266	Op	20 10 54.2	-0.8
MWBA	Marble Bar	55.17	260	Op	20 11 23.4	-4.0
MAW	Mawson	77.43	200	Op	20 13 43.8	-0.3
KS15	Wanji Array S1	78.39	320	Op	20 13 47.1	-2.8
CMB	Columbia Colle	83.52	43	Op	20 14 15.4	-0.8
SNAA	Sanaa	84.38	179	Op	20 14 28.6	+8.9
VNA3	Neumayer Olymp	84.59	177	Op	20 14 21.5	+0.8
VNA2	Neumayer-Watz	85.01	178	Op	20 14 23.4	+0.6
VNA1	Mina Array Bea	85.07	44	Op	20 14 23.9	+0.1
WVOR	Wild Horse Val	87.23	41	Op	20 14 34.5	+0.5
TXAR	Lajitas Array	90.71	58	Op	20 14 50.8	+0.3
PV10	Paradox Valley	91.13	348	Op	20 14 53.7	+1.5
PDAR	Pinedale Array	93.00	44	Op	20 14 60.0	-0.8
MKAR	Makanohi Array	112.24	313	Op	20 20 18.1	-0.7
BDFB	Brasilia	118.77	125	Op	20 20 31.8	0.0
BVAR	Borovoye Array	120.56	319	Op	20 20 34.0	-0.4
ARCES	Arices Array B	132.14	348	Op	20 20 55.7	-0.5
FINES	Finess Array B	138.67	341	Op	20 21 00.4	-0.7
FINES	Finess Array B	138.67	341	Op	20 21 07.8	-0.5
NOA	NORSAR Array B	142.34	351	Op	20 21 12.0	-0.7
AKASE	Malin Array Be	145.13	327	Op	20 21 20.9	+0.1
BRTR	Keskin Array B	147.63	307	Op	20 21 28.5	+4.2
CLL	Collim	151.09	343	Op	20 21 37.0	+7.6

ISC 29:20:18:00:2.10.0, 7.40S-128.35E, h94km, 114km, mb3.3/1, mb1.3.5/4, mb1mx3.3/13, ML3.2/3, Error ellipse:  $s-maj=72.8km$   $s-min=59.4km$   $az=29.0$

ISC 29:20:17:59:5.1, 5.72S-0.10-128.2E-0.2, h100km, n4, e134/77, mb3.4/1, Banda Sea

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
FITZ	Fitzroy Crossi	10.80	193	Op	20 20 35.5	+3.0
FITZ	Fitzroy Crossi	10.80	193	Op	20 22 31.2	-0.6
WRA	Warramunga Arr	13.73	155	Op	20 21 10.4	-0.7
WRA	Warramunga Arr	13.73	155	Op	20 23 34.0	-7.5
ASAR	Alice Springs	16.98	162	Op	20 21 54.3	+2.1
ASAR	Alice Springs	16.98	162	Op	20 24 55.5	-0.7
MKAR	Makanohi Array	67.67	328	Op	20 28 47.2	-0.8

GUC 29:20:21:03.0:3.1, 71.374S-69.99W, h148km, MD3.4(GUC), After GUC, NEIC 29:20:21:03.3:1.7, 71.374S-69.99W, h148km, MD3.4(GUC), After GUC, ISC 29:20:21:03.0:0.8, 31.72S-0.03-69.83W-0.07, h138km, 9km, n24, e070/42, 10C-6D, San Juan Province

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
PTCH	Petorca	1.08	240	Op	20 21 46.0	-0.5
PTCH	Petorca	1.08	240	Op	20 21 49.0	-0.5
PTCH	Petorca	1.08	240	Op	20 21 49.0	-0.5
CMCH	Combarbala	1.14	298	Op	20 21 28.9	+0.7
CMCH	Combarbala	1.14	298	Op	20 21 47.5	-0.1
CMCH	Combarbala	1.14	298	Op	20 21 49.0	-0.5
ILCH	Illapel	1.15	274	Op	20 21 28.5	+0.2
ILCH	Illapel	1.15	274	Op	20 21 46.9	-0.8
ILCH	Illapel	1.15	274	Op	20 21 47.5	-0.1
JACH	Jahuel	1.15	214	Op	20 21 28.9	+0.6
JACH	Jahuel	1.15	214	Op	20 21 48.4	+0.5
MDZ	Mendoza	1.42	145	Op	20 21 30.2	-1.0
MDZ	Mendoza	1.42	145	Op	20 21 52.1	-0.7
PACH	Papudo	1.59	239	Op	20 21 33.1	+0.1
PACH	Papudo	1.59	239	Op	20 21 55.4	-0.6
PEL	Peidehue	1.59	207	Op	20 21 33.4	+0.4
PEL	Peidehue	1.59	207	Op	20 21 55.6	-0.4
PEL	Peidehue	1.59	207	Op		



ILAR	comp=Z,3um,20.8s,baz=160,slow=43	LR	LR	22 19 55.7
ILAR	Eielsen Array 4.48 323 P	Pn	Pn	22 17 53.7 -0.9
ILAR	Seward 4.53 258 P	Pn	Pn	22 17 55.0 -0.4
IKK	McKinley 4.93 305 P	Pn	Pn	22 17 57.8 +2.1
FIB	Fire Island 4.64 272 eP	Pn	Pn	22 17 57.0 -1.1
CUB	Clear Creek Bu 4.67 318 P	Pn	Pn	22 17 55.4 -2.0
CCT	Chulitna 4.71 287 P	Pn	Pn	22 17 53.8 +0.4
PRP	Porcupine Dome 4.74 334 P	Pn	Pn	22 17 57.6 -0.8
SLKM	Skilak Lake 4.78 264 P	Pn	Pn	22 17 59.1 +0.2
GNFM	Gilmore Dome 4.78 323 P	Pn	Pn	22 17 57.5 -1.5
COLA	College 4.84 320 P	Pn	Pn	22 17 56.8 -3.0
COLA	College 4.84 320 P	Pn	Pn	22 17 56.9 -2.9
COLA		eP		22 18 01.1
BWN	Browne 4.97 309 P	Pn	Pn	22 18 01.0 -0.6
MDM	Murphy Dome 5.01 320 P	Pn	Pn	22 18 00.0 -2.3
NEA	Nenana 5.05 314 P	Pn	Pn	22 17 59.9 -2.9
SIT	Sitka 5.08 146 eP	Pn	Pn	22 18 02.3 -0.8
KTH	Kantishna Hill 5.29 299 P	Pn	Pn	22 18 07.1 +1.0
BRLK	Bradley Lake 5.33 257 P	Pn	Pn	22 18 05.7 -1.0
SPU	Mount Spurr 5.54 273 P	Pn	Pn	22 18 09.1 -0.6
CNFM	China Foot 5.58 256 P	Pn	Pn	22 18 09.3 -1.0
BKMG	Blockade Glaci 5.66 272 P	Pn	Pn	22 18 11.1 -0.2
CKL	Chakachamna La 5.68 274 P	Pn	Pn	22 18 10.7 -0.8
RDT	Redoubt 5.81 268 P	Pn	Pn	22 18 12.6 -0.9
MLY	Manley 5.90 313 P	Pn	Pn	22 18 12.8 -1.9
REF	Redoubt East F 5.96 267 P	Pn	Pn	22 18 14.8 -1.0
RSO	Redoubt South 6.01 267 P	Pn	Pn	22 18 15.2 -0.1
DLBC	Dease Lake 6.06 114 Pn	Pn	Pn	22 18 14.1 -2.9
DLBC	121nm,0.3s,baz=278,slow=12,SNR=143	Pg	Pg	22 18 32.6 -12
DLBC	97nm,0.3s,baz=217,slow=24,SNR=9.5	LR	LR	22 19 56.0
DLBC	comp=Z,1um,21.8s,baz=302,slow=39	LR	LR	22 20 45.4
DLBC	Dease Lake 6.06 114 Pn	Pn	Pn	22 18 14.6 -2.4
DLBC		Pg	Pg	22 18 32.8 -12
DLBC		Sg	Sg	22 19 55.8 -10
DLBC		Trac	Trac	22 20 07.8
DLBC	comp=Z,3um,0.8s	P	Pn	22 18 14.5 -2.4
DLBC	Dease Lake 6.06 114 P	Pn	Pn	22 18 17.8 -1.3
ILM	Iliamna 6.30 263 P	Pn	Pn	22 18 19.1 -1.2
ILS	Iliamna Low So 6.30 263 P	Pn	Pn	22 18 19.2 -1.2
ILW	Iliamna West 6.30 264 P	Pn	Pn	22 18 19.1 -1.2
BM3	Burnt Mountain 6.34 346 P	Pn	Pn	22 18 19.9 -1.1
OPT	Oil Point 6.48 260 P	Pn	Pn	22 18 22.5 -0.4
AUF	Augustine Isla 6.65 258 P	Pn	Pn	22 18 37.4 +0.6
KDOK	Kodiak Island 7.07 245 P	Pn	Pn	22 18 30.3 -0.9
SVW	Sparrevohr 7.27 275 eP	Pn	Pn	22 18 32.3 -1.7
TT01	Tatalina 7.41 289 P	Pn	Pn	22 18 33.8 -2.1
KAPH	Katmai Pasha 7.44 254 P	Pn	Pn	22 18 35.5 -0.9
IMS	Indian Mountain 7.47 314 P	Pn	Pn	22 18 35.0 -1.9
IMA	Indian Mountai 7.49 315 eP	Pn	Pn	22 18 37.4 +0.3
KAHG	Katmai Hook Gl 7.58 254 P	Pn	Pn	22 18 37.9 -0.5
INK	Inuvik 7.60 20 Pn	Pn	Pn	22 18 34.9 -3.8
INK	2.3nm,0.3s,baz=206,slow=16,SNR=43	Sn	Sn	22 19 58.9 -7.7
INK	26nm,0.3s,baz=112,slow=32,SNR=8.4	Lg	Lg	22 20 42.0
INK	19nm,0.3s,baz=264,slow=32,SNR=5.0	LR	LR	22 21 46.5
INK	comp=Z,5um,18.5s,baz=210,slow=40	LR	LR	22 21 46.5
INK	Inuvik 7.60 20 Pn	Pn	Pn	22 18 35.0 -3.7
INK		Sn	Sn	22 19 57.0 -10
INK		Trac	Trac	22 21 09.8
INK	comp=Z,856nm,0.9s	P	Pn	22 18 34.8 -3.9
INK	Inuvik 7.60 20 SN	Sn	Sn	22 19 58.8 -7.7
INK		P	P	22 18 34.8 -3.9
NDB	Naden 8.46 148 Pn	P	P	22 18 50.8 +0.2
NDB		Trac	Trac	22 21 29.9
RUBB	Prince Rupert 8.93 137 Pn	P	P	22 18 54.2 -2.9
RUBB		P	P	22 19 26.4 +2.9
RUBB		Sg	Sg	22 21 21.7 -2.0
RUBB		Trac	Trac	22 21 39.7
RUBB	comp=Z,500nm,1.1s	P	P	22 18 56.0 -3.6
FNBB	Fort Nelson 9.11 98 Pn	P	P	22 21 24.5 -2.3
FNBB		Sg	Sg	22 21 42.9
FNBB		Trac	Trac	22 21 42.9
VIB	Van Inlet 9.20 148 Pn	P	P	22 18 59.0 -1.9
MOBC	Moresby Island 9.42 146 Pn	P	P	22 19 03.5 -0.4
MOBC		Sg	Sg	22 21 43.6 -1.4
MOBC		Trac	Trac	22 21 54.6
BNAB	Bonilla 9.52 141 Pn	P	P	22 19 03.6 -1.4
BNAB		Sg	Sg	22 21 44.8 -1.7
BNAB		Trac	Trac	22 21 01.8
BNB	Barry Inlet 10.02 147 Pn	P	P	22 19 11.7 -0.3
BNB		Trac	Trac	22 22 07.1
BMBC	Bull Mountain 10.95 111 Pn	P	P	22 19 25.8 +1.0
BMBC		Sg	Sg	22 22 26.7 +5.8
BMBC		Trac	Trac	22 22 52.5
FSB	Fort Saint Jam 11.03 121 Pn	P	P	22 19 28.1 +2.3
FSB		Sg	Sg	22 22 41.5
FSB		Trac	Trac	22 22 58.2
BBB	Bella Bella 11.43 138 Pn	P	P	22 19 30.2 -1.1
BBB	7.5nm,0.3s,baz=336,slow=13,SNR=52	Lg	Lg	22 22 42.2
BBB	1.5nm,0.3s,baz=41,slow=22,SNR=6.5	LR	LR	22 23 15.1
BBB	comp=Z,2um,19.5s,baz=324,slow=34	LR	LR	22 23 15.1
BBB	Bella Bella 11.43 138 Pn	P	P	22 19 30.4 -0.9
BBB		Trac	Trac	22 22 52.7
BBB		Trac	Trac	22 22 55.6
BBB	comp=Z,149nm,1.1s	P	P	22 19 30.2 -1.1
BBB	Bella Bella 11.43 138 Pn	P	P	22 22 42.2
BBB		LR	LR	22 23 15.1
ANM	Nome 11.70 297 eP	P	P	22 19 35.0 0.0
SDPT	Sand Point 12.03 249 eP	P	P	22 19 39.1 -0.3
SDN	Sand Point 12.04 249 eP	P	P	22 19 37.5 -2.1
YKW3	Yellowknife Ar 12.25 73 Pn	P	P	22 19 38.7 -3.7
YKW3		S	S	22 23 05.4 +6.5
YKW3		Trac	Trac	22 23 24.9
YKW3	comp=Z,2um,1.3s	Trac	Trac	22 23 25.2
YKW3	comp=Z,376nm,1.2s	P	P	22 19 37.6 -4.8
YKA	Yellowknife Ar 12.26 73 eP	P	P	22 19 38.9 -3.6
YKA	1.8nm,0.3s,baz=270,slow=13,SNR=71	Sn	Sn	22 21 50.5 -11
YKA	2.4nm,0.3s,baz=269,slow=22,SNR=4.2	Lg	Lg	22 23 08.8
YKA	1.0nm,0.3s,baz=277,slow=27,SNR=4.8	LR	LR	22 24 34.4
HOLB	Holberg 12.76 142 Pn	P	P	22 19 48.7 -0.6
HOLB		Trac	Trac	22 23 38.4
TNA	Tin City 12.87 301 eP	P	P	22 19 50.7 -0.1
PHC	Port Hardy 12.92 140 Pn	P	P	22 19 50.5 -0.9
PHC		S	S	22 23 32.1
PHC		Trac	Trac	22 23 38.3
MAYB	Mlaynard 13.27 140 Pn	P	P	22 19 56.5 +0.5
MAYB		S	S	22 23 36.0
MAYB		Trac	Trac	22 24 04.3
NCRB	Newcastle Ridg 13.62 137 Pn	P	P	22 20 01.9 +1.4
NCRB		Trac	Trac	22 23 48.3
NCRB		Trac	Trac	22 23 59.1
WOSB	Woss 13.67 139 Pn	P	P	22 20 02.5 +1.4
WOSB		S	S	22 23 45.6
WOSB		Trac	Trac	22 24 22.7
EDB	Eliza Dome 13.75 141 Pn	P	P	22 20 03.8 +1.6
EDB		Trac	Trac	22 24 31.4
GDR	Gold River 14.17 138 Pn	P	P	22 20 10.2 +2.5
GDR		Trac	Trac	22 24 17.7
CBB	Campbell River 14.17 136 Trac			22 24 11.3
TXB	Texada 14.77 135 Pn	P	P	22 20 18.3 +2.6

TXB		S	S	22 24 23.8
TXB		Trac	Trac	22 24 31.4
LLLL	Lillooet 14.94 128 Pn	P	P	22 20 24.0 +2.5
LLLL		S	S	22 24 26.8
LLLL		Trac	Trac	22 25 12.4
WSLR	Whistler 14.94 131 Pn	P	P	22 21 53.9 +1.4
WSLR		S	S	22 24 34.9
WSLR		Trac	Trac	22 24 46.5
SHB	Sechtel 15.05 134 Pn	P	P	22 20 20.5 +1.2
SHB		S	S	22 24 32.7
SHB		Trac	Trac	22 25 42.9
comp=Z,377nm,1.1s	Mount Ozzard 15.06 139 Pn	P	P	22 20 20.1 +0.8
OZB		S	S	22 24 35.0
OZB		Trac	Trac	22 24 40.3
WPB	Watts Point 15.23 132 Pn	P	P	22 20 23.8 +2.1
WPB		S	S	22 24 37.7
WPB		Trac	Trac	22 24 53.8
comp=Z,774nm,1.8s	Mount Grey 15.28 137 Pn	S	S	22 20 25.0 +2.7
MGB		Trac	Trac	22 24 35.3
MGB		Trac	Trac	22 24 48.5
LLLL	Nanaimo Island 15.32 135 Pn	P	P	22 20 24.4 +1.6
LLLL		S	S	22 25 02.3
BIB	Bowen Island 15.41 133 Pn	P	P	22 20 24.6 +0.7
BIB		S	S	22 24 46.1
BIB		Trac	Trac	22 25 07.7
comp=Z,628nm,1.7s	Downie Slide 15.59 119 Pn	P	P	22 20 27.6 +1.3
DWB	Unalaska Valle 15.71 253 eP	P	P	22 20 26.9 -1.0
GOBB	Galiano Island 15.72 134 Pn	P	P	22 20 29.3 +1.2
GOBB		Trac	Trac	22 25 13.1
PFB	Port Renfrew 15.74 137 Pn	P	P	22 20 31.9 +3.7
PFB		S	S	22 24 46.5
PFB		Trac	Trac	22 25 32.4
HNB	Haney 15.78 132 Pn	P	P	22 20 35.6 +6.8
HNB		S	S	22 25 28.3
comp=Z,62nm,1.1s	Mount Lazard 15.91 136 Pn	P	P	22 20 31.9 +1.5
LZB		Trac	Trac	22 25 13.8
SNB	Saturna Island 15.99 134 Pn	P	P	22 20 33.1 +1.6
SNB		S	S	22 25 05.3
SNB		Trac	Trac	22 25 17.7
comp=Z,121nm,1.6s	Sidney 16.00 135 eP	P	P	22 20 31.1 -0.6
PGC		Trac	Trac	22 25 34.8
HOPB	Hope 16.11 129 Pn	P	P	22 20 34.8 +1.8
HOPB		Trac	Trac	22 25 35.1
VDB	Veeder Mountain 16.16 131 Pn	P	P	22 20 34.5 +0.9
VDB		Trac	Trac	22 25 40.0
comp=Z,532nm,1.8s	Gonzales 16.25 135 Pn	P	P	22 20 28.5 -6.3
VGZ		Trac	Trac	22 24 41.0 +2.5
OCWA	Octopus Mountain 16.54 138 eP	P	P	22 20 41.5 +1.5
OCWA		Trac	Trac	22 20 39.2 -1.4
EDM	Edmonton 16.71 107 Pn	P	P	22 20 45.9 +3.4
PNT	Penticton 16.85 126 Pn	P	P	22 26 08.5
PNT		Trac	Trac	22 26 08.5
comp=Z,73nm,1.1s	Penticton 16.85 126 P	P	P	22 20 45.3 +2.9
RPW	Rockport 16.85 131 P	P	P	22 20 43.8 +1.1
HDW	Hoodsport 17.00 136 P	P	P	22 20 46.9 +2.5
GNW	Green Mountain 17.15 136 P	P	P	22 20 46.8 +0.5
NLW	Nelson 17.59 130 P	P	P	22 20 45.5 +1.9
GSM	Grass Mountain 17.81 134 P	P	P	22 20 56.5 +1.9
BMW	Boisfort Mount 17.97 138 eP	P	P	22 21 00.1 +3.5
RVC	Mount Rainier 17.98 135 P	P	P	22 20 56.5 0.0
FMW	Mount Fremont 18.09 134 P	P	P	22 20 58.9 +0.8
TFW	Tideway 18.20 132 P	P	P	22 21 01.2 +1.9
LOH	Longmead 18.25 135 eP	P	P	22 20 50.0 0.6
DBM	Table Mountain 18.27 132 P	P	P	22 21 01.2 +1.0
TWP	Davenport 18.57 126 eP	P	P	22 21 04.0 0.0
NEW	Newport 18.68 124 P	P	P	22 21 05.7 +0.3
NEW	0.5nm,0.3s,baz=330,slow=12,SNR=43	Lg	Lg	22 26 34.2
NEW	baz=120,slow=8.8,SNR=5.3	Lg	Lg	22 27 48.2
NEW	comp=Z,4um,19.1s,baz=321,slow=35	LR	LR	22 27 48.2
NEW	Newport 18.68 124 eP	P	P	22 21 04.9 -0.4
NEW	208nm,1.7s	Lg	Lg	22 21 11.8 -1.0
HAWA	Hanford 19.31 131 eP	P	P	22 21 12.9 -0.8
HAWA	62nm,1.4s	Pn	Pn	22 27 18.6
WALA	Waterton Lakes 19.39 117 Pn	P	P	22 21 12.9 -0.9
WALA		Trac	Trac	22 21 12.9 -0.9
WALA	Waterton Lakes 19.39 117 eP	P	P	22 21 17.0 +0.5
WALA	2.9nm,1.1s	P	P	22 21 16.8 +0.2
VBG	Cardor Butte 19.63 135 eP	P	P	22 21 18.4 +1.6
COR	Corvallis 19.64 141 eP	P	P	22 21 19.4 -0.9
SSOR	Sweet Springs 19.66 139 eP	P	P	22 21 21.4 -1.4
BSMT	Bassoo Peak 19.96 121 P	P	P	22 21 26.7 -1.0
LNOR	Linton Mounta 20.21 130 eP	P	P	22 21 26.7 -1.0
HSD	Harness Mounta 20.67 142 eP	P	P	22 21 28.9 -1.0
RES	Resolute Bay 20.91 32 Sn	S	S	22 25 10.3 -8.6
RES		S	S	22 27 42.4
RES		Trac	Trac	22 28 34.3
comp=Z,56nm,1.2s	Resolute Bay 20.91 32 eP	P	P	22 21 28.1 -1.8
RES	0.2nm,0.6s	P	P	22 21 28.7 -1.4
KEBM	Edson Butte 20.91 145 eP	P	P	22 21 30.8 -1.5
MSO	Missoula 21.12 12			





Table with columns for station call letters, frequency, power, and other technical details. Includes stations like OXF, RW3, PV10, MSU, NVAR, NSHM, SRU, PLAL, WCN, HOPS, NLU, CBKS, MPU, ISCO, BEKR, DAW, WVT, BMN, JLU, CTU, KSU1, BGU, CPCT, TCUT, WDC, WCCM, VNA3, SIUC, HWUT, VNA1, VNA2, VNA3, MOD, YBH, WVOR, AHID, PW06, PDAR, WCI, SNA3, HUMO, REDW, HLID, KSWY, HSO, RSSD, YMR, MCMT, QLMT, SSOR, BOZ, ACSSO, VGB, LNOR, CBN, CBN, ACSSO, HRY, MSO, MSO, GBB, CHMT, BMW, LON, FWW, AAM, BSMT, ETW, DRWP, SSPA, SSPA.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like GNV, WRW, NEW, NLW, OCWA, OCWA, RPW, WALA, PGC, ULM, ULM, ULM, HRV, HRV, LBHN, LBHN, SYO, SYO, WVL, WVL, EMMW, EMMW, MIR, MIR, POI, POI, MAW, MAW, DLBC, FCC, FCC, STKA, STKA, STKA, STKA, YKA, YKA, YKWS, YKWS, CTA, CTA, CTA, CTA, CTA, CTA, WAKE, WAKE, SCHO, SCHO, KDAK, KDAK, PMR, PMR, DAWY, PMG, PMG, MCK, MCK, ILAR, ILAR, COLA, COLA, INK, INK, WRAB, WRAB, WRA, WRA, TNA, TNA, NWAO, NWAO, DBIC, DBIC, PET, PET, LBTB, LBTB, YSS, YSS, MAJO, MAJO, LSZ, LSZ, TIXI, TIXI, YAK, YAK, MDJ, MDJ, MDJ, MDJ, MDJ, MDJ, INCN, INCN, NOA, NOA, CN2, CN2, CN2.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like CN2, CN2, ARCES, GRA1, GRF, SSE, SSE, SSE, BRG, BRG, GERES, NJ2, NJ2, NJ2, BOD, FINES, OJC, NIE, SUW, KWP, KMBO, LRV, ENH, MLR, MLR, ULN, ULN, AKAS, SOMN, SANT, ZAK, ZAK, KIS, KIS, OBIN, OBIN, OBIN, MOS, MOS, SART, GYA, GYA, GYA, MOY, MOY, BOROVA, ULDT, HENT, LZH, LZH, LZH, LZH, CD2, NANT, VMI, VOR, VOR, VOR, SIM, BALD, CM31, CMAR, ELDT, CHG, BRTR, BRTR, NVS, NVS, NVS, NVS, CSS, CSS, CSS, ARU, ARU, ARU, ZAL, ZAL, ANN, ANN, ANN, AVNT, COBT, SOCI, SOC, SOC, GZF, GZF, BRVK, BRVK, BRVK, BVAR, BVAR, BVAR, KIV, KIV, KIV.











Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like LPAZ La Paz, LVC Limon Verde, LVB, BDFB Brasilia, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like NNC 30.06:25:20.3, IDC 30.06:25:31.0, ISC 30.06:25:20.8, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like LBRS Serv Nac Est T, SNET, LFLU, CAHU, BOQS, etc.

BUI 30.06:22:58.9, 12.61N, 144.23E, h16km, mB4.7, mb4.8, Ms4.5, Msz4.2

NEIC 30.06:40:47.4, 33.85S, 72.10W, h5km, ML2.8(GUC), After GUC.

ATH 30 07:12:26.7, 36.45N-29.81E, h25km, MD3.5/3

Large table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like GUMO Guam, SSE Sheehan, SSE, NJ2 Nanjing, etc.

Large table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like LNV Longovilo, LNV, LCVH Las Cruces, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like KSL Kastellorizon, ELL Elmali, ARG Arkhangelos, etc.

KRSC 30 07:28:56.1, 0.6, 48.82N, 155.65E, h40km, 58km, ML4.0, Kuril Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SKR Severo-Kuril's, ALR Alaid, ALD, etc.

GUC 30 07:36:51.9, 0.9, 32.35S, 69.93W, h136km, 4km, MD3.3, ML3.5

NEIC 30 07:36:51.9, 32.35S, 69.93W, h136km, MD3.3(GUC), After GUC.

ISC 30 07:36:52.2, 0.8, 32.35S, 0.03:70.0W, 0.1, h136km, 9km, n27, 0:36/54, 17C-10D, Mendoza Province

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like JACH Jahuel, JACH, PTCH Petorca, etc.

NAO 30 06:43:47.1, 2.0, 60.65N, 11.06E, h13km, 17km, ML2.3

BER 30 06:43:48.4, 3.0, 60.70N, 11.09E, h7km, 22km, ML2.3(NAO), Southern Norway

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like NAO NORSAR Subarra, NAO, NC6, etc.

CASC 30 06:52:19.4, 1.4, 12.71N, 88.64W, h37km, 244km, MD3.7, ML3.4, 5C-5D, Off coast of central America

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like VSM San Miguel, VSM, BLLM Bellamira, etc.







Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Daday, BALT, RHKI, FNA, VYHS, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like SOKR, LVZ, Lovozero, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like MOS, SKHL, NEIC, JMA, IDC, etc.





30d 13h

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, Phase ID, Time, Res, ISC. Includes stations like NEM2, JAK, JAK, Rausu, etc.

HEL 30 12:14:58.1±0.3, 67.80N±19.95E, ML2.2, ML1.9(UPP), ML2.4(NAO), Explosion

NAO 30 12:14:59.6±1.7, 67.83N±20.47E, ML2.4, BER 30 12:15:01.0±0.3, 67.89N±20.29E, h0km±15km, ML2.4(NAO)

ICD 30 12:15:04.5±1.1, 67.80N±21.44E, mb1 2.8/3, mb1mx2.7/20, ML2.7/3, Error ellipse: s-maj=19.0km s-min=6.5km az=113.0

ISC 30 12:14:57.2±0.7, 67.72N±0.03±20.4E±0.1, n21, σ156/42, Sweden

Main table for 30d 13h section, listing stations like Kilpisjarvi, Kautokeino, Tromsø, Sodankylä, etc., with their respective data.

LDG 30 12:17:07.9±0.4, 41.88N±2.78E, h12km, M12.5/6, Error ellipse: s-maj=6.0km s-min=3.2km az=149.0

MDD 30 12:17:07.0±0.7, 41.83N±2.78E, h3km, 6km, mbLg2/2/13, Error ellipse: s-maj=5.7km s-min=2.3km az=124.0, PRXIMO

NEIC 30 12:17:08.0±1.1, 41.88N±2.76E, h10km, ML2.5(LDG), ML2.2(STR), After STR

ISC 30 12:17:07.6±0.8, 41.87N±0.03±2.61E±0.05, h3km, n25, σ123/33, Spain

Table for stations in Spain, including Fontmartina, Bruguera, La Jonquera, etc., with their respective data.

2004 APR

Table for stations in the Western Caucasus region, including Esperros, San Caprisio, ESAC, etc., with their respective data.

ICD 30 12:27:07.1±1.4, 3.17N±83.23W, mb3.6/5, mb1 4.0/7, mb1mx3.9/20, MS3.8/15, Ms1 3.1/1, ms1mx2.4/18, Error ellipse: s-maj=47.2km s-min=23.6km az=42.0

ISC 30 12:27:11.4±1.1, 3.32N±0.2±83.1W±0.1, h33km, n8, σ092/7, mb3.6/5, MS3.0/1, Off coast of central America

Table for stations in the Western Caucasus region, including El Rosal, Santo Domingo, La Paz, etc., with their respective data.

TAP 30 12:41:29.1, 23.54N±121.54E, h24km, ML3.6, JMA 30 12:41:29.4±0.2, 23.50N±121.62E, h76km, M2.8

ISC 30 12:41:28.8±2.3, 23.5N±0.3±121.6E±0.1, h76km, n6, σ037/11, Taiwan

Table for stations in Taiwan, including Yonaguni jima, Hateruma jima, etc., with their respective data.

GUC 30 12:55:41.5±1.1, 29.91S±71.36W, h44km, MD3.6, ML3.4

NEIC 30 12:55:41.5, 29.91S±71.36W, h44km, MD3.6(GUC), After GUC

ISC 30 12:55:41.9±1.3, 29.89S±0.04±71.4W±0.1, h39km±12km, n7, σ042/12, 2C-30, Near coast of central Chile

Table for stations in Chile, including La Serena, Tololo Astrono, Ovalte, etc., with their respective data.

TIF 30 13:06:05.4, 41.31N±44.58E, h11km, Mpv3.7, 2C-2D, Western Caucasus

Table for stations in the Western Caucasus region, including Stepanavay, Mtatsminda, David-gareji, etc., with their respective data.

ICD 30 13:10:39.7±0.9, 29.01N±43.54W, mb3.8/11, mb1 4.0/11, mb1mx3.8/24, MS3.8/15, Ms1 3.9/15, ms1mx3.8/27, Error ellipse: s-maj=26.6km s-min=19.4km az=4.0

NEIC 30 13:10:41.5±0.6, 29.00N±43.55W, h10km, mb4.2/2, Error ellipse: s-maj=16.9km s-min=13.4km az=174.0

ISC 30 13:10:39.7±0.6, 29.1N±0.1±43.5W±0.1, h10km, n22, σ098/15, mb3.9/12, MS3.9/15, Northern Mid-Atlantic Ridge

Table for stations in the Northern Mid-Atlantic Ridge region, including Puerto La Cruz, Schefferville, Dibic, etc., with their respective data.

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Table for stations in the Southern Greece region, including Fines, Arces, Yka, etc., with their respective data.

THE 30 13:10:57.6, 35.94N±24.50E, h40km, ATH 30 13:10:57.8, 36.20N±24.69E, h60km, 3km, MD3.1/6

NEIC 30 13:10:57.8, 36.20N±24.69E, h60km, MD3.1(ATH), After ATH

ISC 30 13:10:57.7±1.1, 36.17N±0.05±24.71E±0.08, h82km±13km, n14, σ084/23, Southern Greece

Table for stations in the Southern Greece region, including Thira Island, Santorini, etc., with their respective data.

ICD 30 13:44:21.9±5.1, 29.61S±178.28W, mb3.4/2, mb1 3.7/2, s-min=79.0km az=166.0, Kermadec Islands

Table for stations in the Kermadec Islands region, including Alice Springs, Wra, etc., with their respective data.

ICD 30 13:48:45.9±0.7, 27.71N±53.19E, mb4.3/20, mb1 4.5/21, mb1mx4.4/25, ML3.9/1, MS3.7/9, Ms1 3.7/9, ms1mx3.3/39, Error ellipse: s-maj=17.6km s-min=13.0km az=19.0

MOS 30 13:48:50.1±4.2, 27.63N±53.38E, h33km, mb4.6/10, Error ellipse: s-maj=16.4km s-min=7.8km az=91.9

THR 30 13:48:51.0±0.7, 27.81N±53.02E, h15km, 4km, MD4.5, ML4.5

ZUR\_RM 30 13:48:55.27±2.72N±53.29E, h18km, Mw4.8/5, Moment tensor Solution. s5 Moment tensor: Scale 10^16Nm; Mr1-3or: Mo-0.62; Ms-0.74; Mw-0.31; Ms0-0.69; Ms0-0.60; Best double couple: Mo 1.53x10^16 NP1φ324°, δ58°, λ97°, NP2φs131°, δ33°, λ79°. Principal axes: T 1.534, Plg76°, Azm254°; N -0.14, Plg6°, Azm140°; P -1.521, Plg13°, Azm49°

NEIC 30 13:48:55.9±1.8, 27.72N±53.29E, h78km±15km, mb4.6/24, Error ellipse: s-maj=11.2km s-min=8.0km az=163.0

BJJ 30 13:48:55.9±2.7, 27.70N±53.30E, h77km, mb5.0, mb4.9, Ms4.5, Ms4.3

ISC 30 13:48:49.2±1.6, 27.65N±0.05±53.32E±0.04, h31km±11km, n142, σ1928/152, mb4.5/53, MS3.8/19, 2C-4D, Southern Iran

Table for stations in the Southern Iran region, including HASS, NASN, NASN, etc., with their respective data.

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

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Table with columns for station name, frequency, and signal strength. Includes stations like VAN Vannovskaya, JASL Jaisalmer, PTH Pithoragarh, etc.

Table with columns for station name, frequency, and signal strength. Includes stations like GTA GTA, KIV KIV, CUD Cuddapah, etc.

Table with columns for station name, frequency, and signal strength. Includes stations like BJI BJI, KKTK Khon Kaen, JOF Joensuu, etc.



Table with columns: Station, Frequency, Power, and other technical details. Includes stations like IPM, CLM, CLC, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like KMBO, AVF, AGO, BGF, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like DBIC, Dimboko, Lamto, etc.

BER 30 14:30:15.1s3.7.57.86N;7.75E,HD13.3,ML1.4, ML1.9(NAO),Explosion NAO 30 14:30:17.6;8.9.58.20N;7.36E,HD28;68km,ML1.9 ISC 30 14:30:13.0;1.6,57.93N;10.7;95E;0.09,n9,d099316, North Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like SNART, BLSE, KMY, etc.





ISC 30 18:46:37.7.2.2, 20.48S-0.09:17.0W, 0.1, h527km, 26km, n32, c084/30, mb4.2/12, 3C-30, Fiji Islands region

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

ATH 30 19:13:42.6, 35.96N-22.03E, h5km, MD3.9/17, ML3.8, NEIC 30 19:13:43.0, 35.97N-22.06E, h5km, ML3.8(ATH), After ATH.

IDC 30 19:13:43.1, 36.18N-22.22E, mb3.7/8, mb1 3.7/15, mb1mx3.6/32, ML3.6/7, Error ellipse: s-maj=41.9km s-min=16.7km az=25.0

THE 30 19:13:44.8, 35.98N-22.21E, h3km, ML3.5, ISC 30 19:13:42.1, 0.4, 35.96N-0.04, 22.06E, 0.3, h5km, n68, r132/82, mb3.6/8, Central Mediterranean Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like KYTH Kithira, VLI Velia, ITM Ithomi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like HFS 1.2m, FINES FINESS Array B, EKA Eskdalemuir, etc.

KRSC 30 19:31.7, 2.0, 49.41N x 155.74E, h62km, 22km, ML4.0, Kuril Islands

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

PRE 30 19:47:37.6, 0.8, 27.85S-26.69E, h2km, ML4.1, NEIC 30 19:47:38.4, 0.7, 27.79S-26.56E, h5km, Error ellipse: s-maj=20.5km s-min=8.9km az=94.0

IDC 30 19:47:38.3, 1.3, 27.84S-26.36E, mb3.9/6, mb1 4.1/8, mb1mx3.9/22, ML3.1/2, Error ellipse: s-maj=35.8km s-min=21.5km az=94.0

ISC 30 19:47:35.5, 0.4, 27.81S-0.03, 26.70E-0.04, h2km, n30, r152/37, mb4.4/7, AC, South Africa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like SEK Senekal, KSR Koster, SLR Silverton, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like CMAR 13nm, BDT Bhumbal Dam, KKTK Khon Kaen, etc.

IDC 30 20:07:13.5, 7.2, 19.10S x 176.91W, mb3.9/2, mb1 4.2/2, mb1mx3.7/14, Error ellipse: s-maj=288.0km s-min=115.4km az=152.0, Fiji Islands region

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

BUI 30 20:31:13.6, 36.71N, 171.26E, h243km, NEIC 30 20:31:13.3, 2.1, 36.65N, 171.25E, h217km, 22km, mb4.4/3, Error ellipse: s-maj=23.3km s-min=7.7km az=63.0

IDC 30 20:31:13.8, 8.5, 36.61N, 171.23E, h223km, 80km, mb3.0/6, mb1 3.9/9, mb1mx3.1/20, Error ellipse: s-maj=47.2km s-min=15.9km az=36.0

NNC 30 20:31:19.2, 1.1, 37.15N, 171.43E, h225km, 8km, mpv4.4, Error ellipse: s-maj=12.5km s-min=6.9km az=47.0

ISC 30 20:31:13.2, 1.2, 36.68N-0.07, 171.3E-0.1, h232km, 11km, n36, c075/38, mb3.3/7, 9C-1D, Afghanistan-Tajikistan border region

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

ISC 30 21:18:14.4±1.2, 51.44N±0.06, 106.16E±0.06, n13, ±109/29, 23h

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like KSP Ksiaz, KSP Ujcie, DPC Dobruska-Polom, etc.

IGQ 30 21:34:33.7, 0.21S-80.76W, h28km, 2km, mb4.1, 5C-6D, Error ellipse: s-maj=7.5km s-min=4.4km az=96.2, Near coast of Ecuador

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like JAMA Jama, CUPA Cupa, QIL-1 Quiotoa, etc.

ISC 30 21:51:44.9±2.0, 5.06N-72.80W, h53km, 20km, mb3.1/2, mb1 3.9/6, mb1mx3.2/21, ML4.3/1, Error ellipse: s-maj=26.0km s-min=9.6km az=144.0

ISC 30 21:51:44.6±1.6, 5.1N±0.1, 72.8W±0.1, h64km, 21km, n5, ±132/6, mb3.3/2, Colombia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like ROSC El Rosal, ROSC Charters Tower, SDV Santo Domingo, etc.

ISC 30 22:08:19.9±2.8, 23.38S-179.77W, h500km, 25km, mb3.7/6, mb1 3.9/6, mb1mx3.5/14, Error ellipse: s-maj=54.6km s-min=20.9km az=157.0

NEIC 30 22:08:29.8±4.4, 23.31S±179.84E, h616km, 51km, mb4.8/5, Error ellipse: s-maj=26.8km s-min=18.0km az=105.0

ISC 30 22:08:28.7±0.8, 23.32S±179.8E±0.1, h616km, n23, ±0569/20, mb4.5/10, 2C-6D, South of Fiji Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like ARMA Armidale, CTA Charters Tower, CTAO Charters Tower, etc.

ISC 30 22:16:57.1±1.9, 27.54N-53.17E, mb3.6/10, mb1 3.7/10, mb1mx3.6/22, Error ellipse: s-maj=43.6km s-min=22.1km az=161.0

ISC 30 22:17:00.2±1.7, 27.5N±0.2, 53.2E±0.1, h33km, n12, ±0584/12, mb3.6/11, Southern Iran

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like BRTR Keskin Array B, IDI Anoya, BVAR Borovoye Array, etc.

ISC 30 22:35:14.8±0.7, 65.51N±133.77W, mb3.8/2, mb1 3.9/6, mb1mx3.6/24, ML3.9/4, Error ellipse: s-maj=9.2km s-min=7.8km az=41.0

PGC 30 22:35:17.3, 65.46N-133.74W, h20km, ML3.6/3, Mackenzie Mountains, Yukon Territory

NEIC 30 22:35:17.0, 65.46N-133.74W, h20km, ML3.6(PGC), After PGC

ISC 30 22:35:14.8±0.6, 65.44N±0.04, 133.2W±0.1, h20km, n18, ±1501/37, mb3.8/2, Northern Yukon Territory

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like INK Inuvik, INK Inuvik, INK Inuvik, etc.

ISC 30 23:02:54.4±1.8, 21.14S±69.20W, h117km, 20km, mb3.2/1, mb1 3.6/2, mb1mx3.2/13, Error ellipse: s-maj=85.7km s-min=21.7km az=90.0

ISC 30 23:40:53.3±1.7, 21.1S±0.1, 69.4W±0.5, h117km, n4, ±0256/4, mb3.4/1, Northern Chile

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, etc.

ISC 30 23:56:31.2±2.0, 31.62N-104.74E, mb3.4/2, mb1 3.8/3, mb1mx3.3/20, ML3.6/1, Error ellipse: s-maj=92.9km s-min=35.5km az=92.0, Sichuan

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like CMAR Chiang Mai Arr, WRA Warramunga Arr, WRA Alice Springs, etc.

NEIC 30 23:35:47.6±1.1, 17.36S±178.80W, h565km, Error ellipse: s-maj=70.8km s-min=14.5km az=153.0

ISC 30 23:35:50.2±5.8, 17.51S±178.77W, h597km, 72km, mb3.1/7, mb1 3.9/7, mb1mx3.2/15, Error ellipse: s-maj=92.1km s-min=23.8km az=154.0

ISC 30 23:35:46.9±1.6, 17.4S±0.6, 178.8W±0.4, h565km, n13, ±0584/12, mb3.6/11, Southern Iran

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, YBH Yreka Blue Hor, etc.

ISC 30 23:36:00.1±5.6, 17.57S±178.76W, h609km, 69km, mb3.0/7, mb1 3.9/7, mb1mx3.1/15, Error ellipse: s-maj=111.0km s-min=23.2km az=154.0

ISC 30 23:36:05.4±1.8, 17.6S±0.8, 179.0W±0.4, h700km, n11, ±0517/7, mb3.3/7, Fiji Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, YBH Yreka Blue Hor, etc.

ISC 30 23:40:54.4±1.8, 21.14S±69.20W, h117km, 20km, mb3.2/1, mb1 3.6/2, mb1mx3.2/13, Error ellipse: s-maj=85.7km s-min=21.7km az=90.0

ISC 30 23:40:53.3±1.7, 21.1S±0.1, 69.4W±0.5, h117km, n4, ±0256/4, mb3.4/1, Northern Chile

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like LVC Limon Verde, LPAZ La Paz, YKA Yellowknife Arr, etc.

ISC 30 23:56:31.2±2.0, 31.62N-104.74E, mb3.4/2, mb1 3.8/3, mb1mx3.3/20, ML3.6/1, Error ellipse: s-maj=92.9km s-min=35.5km az=92.0, Sichuan

ISC 30 23:56:31.2±2.0, 31.62N-104.74E, mb3.4/2, mb1 3.8/3, mb1mx3.3/20, ML3.6/1, Error ellipse: s-maj=92.9km s-min=35.5km az=92.0, Sichuan

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like CMAR Chiang Mai Arr, WRA Warramunga Arr, WRA Alice Springs, etc.

ISC 30 23:56:31.2±2.0, 31.62N-104.74E, mb3.4/2, mb1 3.8/3, mb1mx3.3/20, ML3.6/1, Error ellipse: s-maj=92.9km s-min=35.5km az=92.0, Sichuan

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like ZIIG Zihuatanejo, ZIIG El Cayaco, CAIG Acapulco, etc.

ISC 30 23:56:31.2±2.0, 31.62N-104.74E, mb3.4/2, mb1 3.8/3, mb1mx3.3/20, ML3.6/1, Error ellipse: s-maj=92.9km s-min=35.5km az=92.0, Sichuan

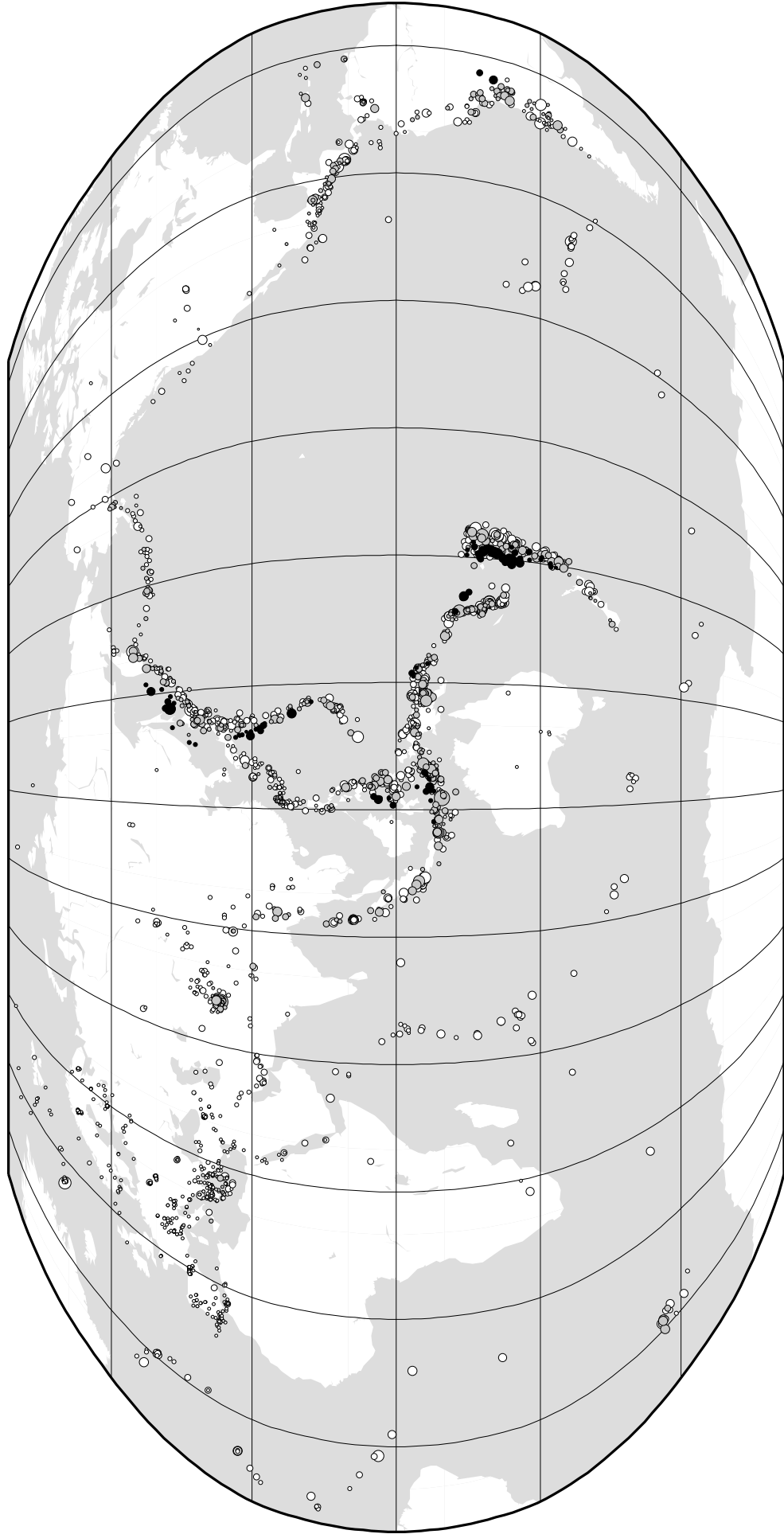
Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like ZIIG Zihuatanejo, ZIIG El Cayaco, CAIG Acapulco, etc.

ISC 30 23:56:31.2±2.0, 31.62N-104.74E, mb3.4/2, mb1 3.8/3, mb1mx3.3/20, ML3.6/1, Error ellipse: s-maj=92.9km s-min=35.5km az=92.0, Sichuan

ISC 30 23:56:31.2±2.0, 31.62N-104.74E, mb3.4/2, mb1 3.8/3, mb1mx3.3/20, ML3.6/1, Error ellipse: s-maj=92.9km s-min=35.5km az=92.0, Sichuan

ISC 30 23:56:31.2±2.0, 31.62N-104.74E, mb3.4/2, mb1 3.8/3, mb1mx3.3/20, ML3.6/1, Error ellipse: s-maj=92.9km s-min=35.5km az=92.0, Sichuan

# ISC Computed Locations for April 2004



Robinson Projection, centred on 0°N, 130°E

