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### MEMBERS

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

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## Addendum

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

From data-month October 2002, a new location program ISCloc has been used in operations. Also, the IASPEI standard seismic phase list has been adopted by the ISC (Storchak, D.A., J. Schweitzer, P. Bormann (2003) The IASPEI Standard Seismic Phase List, Seismological Research Letters 74, 6, 761-772).

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

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

The following example illustrates the changes :-

### September 2002

NEIC 01 18:45:41.7±1.7, 21.70S×179.55W, h600km, mb4.6/6,  
 Error ellipse: s-maj=75.5km s-min=25.7km az=151.0  
 IDC 01 18:45:46.3±2.6, 21.76S×179.70W, h627km, mb3.5/4,  
 mb1 3.7/4, mb1mx3.2/14, Error ellipse: s-maj=83.2km  
 s-min=20.6km az=159.0  
 ISC 01 18:45:43.1±2.7, 22.3S:0.2×179.6W:0.3, h613km, 42km,  
 n2, n15/21, mb4.4/9, 1C, South of Fiji Islands

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

### Epicentral Estimates

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

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

Error Ellipses - The keywords have been shortened.

### Observational Data

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

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

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

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

Station magnitude estimate - computed by the ISC.

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



2004 MAR

1d 0h

Table with columns for station name, frequency, and signal strength. Includes stations like BIA, KNT, NISRO, etc. and various signal strength indicators like Sg, ePn, S, etc.

3 2004 MAR

Table with columns: DRGI, Dragot, 12.29 113, P, P, 00 38 50.4 -4.0, etc. Includes stations like Dragot, Gaziantep, Niedzica, Masada, Kalwaria, etc.

Table with columns: FUR, Furstenfeldbru, 13.56 327, eP, P, 00 39 09.6 -1.6, etc. Includes stations like Furstenfeldbru, Damuels, Bricherasio, etc.

Table with columns: WAR, La Chapelle, 15.19 313, eS, S, 00 42 35.6 +1.7, etc. Includes stations like La Chapelle, LOMONT, Saint-Julien, etc.

1d 0h

2004 MAR

4

Table with columns for station ID, name, frequency, and signal strength. Rows include stations like PYA, MELF, ERTA, TCF, RJF, EGRA, etc.

Table with columns for station ID, name, frequency, and signal strength. Rows include stations like COP, GRR, MAK, GOR, ESB, etc.

Table with columns for station ID, name, frequency, and signal strength. Rows include stations like QRN, EINC, PUL, HTR, PCBR, etc.

Table with columns: NOA, comp, Z, Freq, P, M, R, S, T, V, W, X, Y, Z. Includes entries like NORSTAR Array B, Howats Hill, Eskdalemuir, etc.

Table with columns: TRO, comp, Z, Freq, P, M, R, S, T, V, W, X, Y, Z. Includes entries like Kevo, Zerenda, Borovoye, etc.

Table with columns: RTK, Rohtak, Freq, P, M, R, S, T, V, W, X, Y, Z. Includes entries like Kundal, Bahadurgarh, Aya Nagar, etc.





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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DCPH Dipolog City, PAGZ Pagadian, and GUIM Jordan.

NEIC 01 00:47:41.9, 44.61N, 6.66E, h5km, ML2.5(GEN), ML2.4(LDG), ML2.3(STR), After GEN.

STR 01 00:47:41.9, 44.61N, 6.72E, h5km, 1km, ML2.4, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

LDG 01 00:47:42.2, 44.64N, 6.70E, h2km, Md2.4/1, ML2.4/8, Error ellipse: s-maj=1.4km s-min=0.9km az=66.0

ISC 01 00:47:41.2-0.3, 44.62N, 0.01, h6.66E, 0.02, h12km, 2km, n50, c0548/91, France

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MBDF Montbardon, SURF Saint Ours, and many others.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, and GERES GERRSS Array B.

BUJ 01 01:13:39.7, 49.00S, 124.20E, h10km, mb4.7, IDC 01 01:13:40.6, 1.9, 48.77S, 123.67E, mb4.1/2, mb1.4/4.2, mb1mx4.2/4, MS4.0/2, Ms1 3.9/2, ms1mx3.6/9, Error ellipse: s-maj=145.0km s-min=43.6km az=111.0

NEIC 01 01:13:41.7, 0.6, 49.00S, 124.15E, h10km, mb4.6/3, Error ellipse: s-maj=34.1km s-min=15.1km az=85.0

ISC 01 01:13:39.7-0.8, 49.05S, 0.1, 124.2E, 0.4, h10km, n28, c0581/15, mb4.6/3, MS3.9/2, Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NWAQ Narrogin (SRO), ASAR Alice Springs, and WRA Warramunga Arr.

NEIC 01 01:20:52.2, 35.17N, 4.00W, MG3.6(MDD), After MDD, MDD 01 01:20:52.1, 1.0, 35.17N, 4.00W, mb3.7/7, Error ellipse: s-maj=10.2km s-min=4.2km az=16.0, Aftershock/PLICA PRXIMO, Strait of Gibraltar

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MELI Mellilla, EMEL Emel, and many others.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EMIN Mina Concepcio, EMUR La Murta, and EGRO El Granado.

NEIC 01 01:25:36.3, 0.2, 8.26S, 74.07W, mb4.7/31, Error ellipse: s-maj=7.5km s-min=4.2km az=55.0, IDC 01 01:25:36.2, 0.6, 8.26S, 74.07W, h158km, 3km, mb4.1/19, mb1.4/2.21, mb1mx4.2/22, Error ellipse: s-maj=21.0km s-min=9.5km az=56.0

ISC 01 01:25:35.0, 0.3, 8.23S, 0.06, 74.10W, 0.08, h158km, h158km, 1.8km, pP-P, n138, c0574/131, mb4.5/51, 5D, Peru-Brazil border region

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OTAV Otavalo, LPAZ La Paz, and many others.

1d 2h

Table with columns: QSPA, South Pole Qui, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like QSP, QUI, RQC, RST, ETS, etc.

2004 MAR

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LPAZ, SADO, ULM, FRB, VNA2, SNA, YKAA, INK, ILAR, ZAL, MKAR, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LPAZ, EMEL, MELI, MELI, EALB, EALB, EALB, etc.

1DC 01 01:25:51.5-4.6, 7.05S-71.96W, h180km, 49km, mb4.1/6, mb1.4/3, mb1mx4.0/18, Error ellipse: s-maj=93.7km s-min=32.5km az=74.0

1DC 01 01:40:10.6-4.3, 2.91S-131.30E, mb3.3/2, mb1.3/6/3, s-min=27.8km az=72.0, Irian Jaya region

1DC 01 01:54:10.2-3.2, 26.25S-179.33E, h503km, 39km, mb3.3/4, mb1.3/6/5, mb1mx3.5/6, Error ellipse: s-maj=45.6km s-min=16.5km az=167.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time Res, h m s, ISC. Includes entries for ERUA, EINC, EARI, and EPON.

IDC 01 02:33:40.5:1.0, 4.34N:125.81E, mb4.0/5, mb1 4.2/5, mb1mx4.0/14, Error ellipse: s-maj=81.5km s-min=-20.0km az=60.0

ISC 01 02:32:42.5:0.9, 4.6N:0.1, 126.5E:0.4, h33km, n8, <0587/10, mb4.0/5, Talaud Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time Res, h m s, ISC. Includes entries for BIPH, SCIPH, PLP, WRA, ASAR, MKAR, BVAR, INK.

IDC 01 03:19:34.2:3.2, 16.75Sx178.57W, mb3.6/4, mb1 4.0/4, mb1mx3.8/9, Error ellipse: s-maj=182.0km s-min=128.1km az=148.0, Fiji Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time Res, h m s, ISC. Includes entries for WRA, ASAR, NVAR, ILAR.

IDC 01 03:20:35.5:5.3, 23.97Sx166.96W, h173km, 34km, mb1 3.5/3, mb1mx3.2/12, Error ellipse: s-maj=71.1km s-min=23.3km az=48.0

ISC 01 03:20:34.9:5.4, 24.0S:0.4, 66.9W:0.6, h173km, n4, <0587/4, Salta Province

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time Res, h m s, ISC. Includes entries for LPAZ, CPUB, BDFB, MKAR.

IDC 01 04:02:22.1:2.9, 19.46Sx163.12E, mb4.1/4, mb1 4.4/4, mb1mx4.3/8, Error ellipse: s-maj=174.0km s-min=-26.7km az=156.0

NEIC 01 04:02:24.0:4.0, 19.92Sx163.36E, h20km, mb4.3/2, Error ellipse: s-maj=15.4km s-min=9.5km az=195.0

ISC 01 04:02:22.4:0.8, 20.0S:0.1, 163.36E:0.09, h20km, n27, <0599/20, mb4.1/0, 2C, New Caledonia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time Res, h m s, ISC. Includes entries for NOUC, DZM, STKA, WRA, ASAR, FITZ, ILAR, NVAR, YKA, RES, SPITS, GERES, DAVOX.

NNC 01 04:06:56.0:2.2, 38.22N:70.91E, mpv3.8, Error ellipse: s-maj=28.8km s-min=16.4km az=106.0

ISC 01 04:06:56.8:4.1, 38.1N:0.3, 72.2E:0.4, h223km, 48km, n7, <0555/9, 4C, Tajikistan

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time Res, h m s, ISC. Includes entries for AML, UCH, KZA, EKS2, AAK, KK31, KK31, AB31, AB31.

IDC 01 04:18:08.6:1.4, 3.14S:142.25E, mb3.7/4, mb1 3.9/5, mb1mx3.9/10, ML3.7/1, Error ellipse: s-maj=60.9km s-min=26.6km az=101.0

ISC 01 04:18:11.9:1.5, 3.25S:0.2, 142.3E:0.5, h33km, n6, <0573/5, mb3.6/4, Near north coast of New Guinea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time Res, h m s, ISC. Includes entries for WRA, ASAR, MKAR, BVAR, ILAR, LPAZ.

JMA 01 04:28:59.2:0.3, 44.02N:148.02E, h1km, M3.5, Kuril Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time Res, h m s, ISC. Includes entries for NEM2, JNK, JNK.

IDC 01 04:58:43.6:1.6, 12.09N:93.10E, mb4.1/10, mb1 4.2/10, mb1mx4.0/16, Error ellipse: s-maj=97.1km s-min=18.9km az=56.0

BUI 01 04:58:45.6:1.2, 10.9N:93.10E, h25km, mb4.5

NEIC 01 04:58:47.0:7.0, 12.1N:93.15E, h25km, Error ellipse: s-maj=19.2km s-min=13.4km az=57.0

ISC 01 04:58:48.8:1.3, 12.25N:0.07, 93.4E:0.1, h44km, 13km, n28, <0577/29, mb4.2/11, Andaman Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time Res, h m s, ISC. Includes entries for PBA, CM31, PKI, GUN, LSA, GKN, KOLN, BJT, MKAR, ZAL, ZAL, BVAR, CHKZ, WRA, WRA, ASAR, ASAR, FINES, FINES, FINES, FINES, ARCES, ARCES, HFS, SPITS, SPITS, INK.

MDD 01 04:59:25.8:1.0, 35.17N:3.96W, mb4.0/31, Error ellipse: s-maj=9.6km s-min=4.3km az=18.0, AfterSchoolPLICA

NEIC 01 04:59:25.7:2.5, 16.3N:3.95W, MG4.0(MDD), After MDD

INMG 01 04:59:27.4:1.2, 35.10N:3.93W, h31km, 12km, ML2.8, Error ellipse: s-maj=6.6km s-min=4.4km az=5.0

ISC 01 04:59:26.0:0.6, 35.17N:0.04, 4.03W:0.03, h31km, n76, <1122/145, Strait of Gibraltar

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time Res, h m s, ISC. Includes entries for EMEL, MELI, EALB, EALB, REAL, ERON, ERON, EBEB, EBEB, ELOJ, ELOJ, ECOG, ECOG, ESPR, ESPR, ENIJ, ENIJ, ENIJ, ELUO, ELUO, ELUO, ELUO, EQES, EQES, EQES, EQES, EHOR, EHOR, EHOR, EHUE, EHUE, EHUE.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time Res, h m s, ISC. Includes entries for EHUE, EBAN, EBAN, EBAN, EADA, EADA, EADA, EMIN, EMIN, EMIN, EMUR, EMUR, EMUR, EGRO, EGRO, EGRO, EVIA, EVIA, EVIA, ETOB, ETOB, ETOB, PTEO, PTEO, ESDC, ESDC, ESDC, ESDC, EBEN, EBEN, EBEN, EMOB, EMOB, MOCB, MOCB, PLOU, PLOU, PTOM, PTOM, EIBI, EIBI, EIBI, ETOR, ETOR, ETOR, EMOS, EMOS, EMOS, EMOB, EMOB, EMOB, MTE, MTE, PVIS, PVIS, ERVA, ERVA, ERTA, ERTA, ERTA, ERTA, ERTA, ERTA, ERUA, ERUA, EINC, EINC.

IDC 01 05:05:05.7:3.9, 22.28S:148.11E, mb4.1/1, mb1 4.0/3, mb1mx4.0/7, ML3.6/2, MS3.2/1, Ms1 3.2/1, ms1mx3.0/11, Error ellipse: s-maj=98.4km s-min=35.1km az=168.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time Res, h m s, ISC. Includes entries for EMIN, EMIN, EMIN, EMUR, EMUR, EMUR, EGRO, EGRO, EGRO, EVIA, EVIA, EVIA, ETOB, ETOB, ETOB, PTEO, PTEO, ESDC, ESDC, ESDC, ESDC, EBEN, EBEN, EBEN, EMOB, EMOB, MOCB, MOCB, PLOU, PLOU, PTOM, PTOM, EIBI, EIBI, EIBI, ETOR, ETOR, ETOR, EMOS, EMOS, EMOS, EMOB, EMOB, EMOB, MTE, MTE, PVIS, PVIS, ERVA, ERVA, ERTA, ERTA, ERTA, ERTA, ERTA, ERUA, ERUA, EINC, EINC, EINC, EINC, EARI, EARI, EALK, EALK, EALK, EPON, EPON, EPON, EMAX, EMAX, EMAX.

IDC 01 05:05:05.7:3.9, 22.28S:148.11E, mb4.1/1, mb1 4.0/3, mb1mx4.0/7, ML3.6/2, MS3.2/1, Ms1 3.2/1, ms1mx3.0/11, Error ellipse: s-maj=98.4km s-min=35.1km az=168.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time Res, h m s, ISC. Includes entries for WRA, WRA, WRA, WRA, WRA, ASAR, ASAR, ASAR, ASAR, MKAR, MKAR.

1.2nm, 1.1s, baz=104, slow=5.0, SNR=3.5

IDC 01 05:43:14.2, 2.3, 7.94S: 121.14E, mb3.3/1, mb1 3.9/3, mb1mx3.8/10, ML3.8/2, MS2.9/1, Ms1 2.9/1, ms1mx2.8/3, Error ellipse: s-maj=284.0km s-min=27.4km az=54.0, DJA 01 05:43:15.2, 1.0, 7.91S: 121.00E, h80km, MD4.8/2, ML5.1/2, Error ellipse: s-maj=104.4km s-min=20.1km az=172.0

NEIC 01 05:43:16.9, 1.0, 8.22S: 120.78E, h20km, Error ellipse: s-maj=24.3km s-min=8.1km az=205.0

ISC 01 05:43:20.5, 2.5, 8.6S: 120.6E, 0.1, h78km, 31km, n18, e1809/28, mb3.2/1, 9C-30, Flores region

Table with columns: Code, Station Name, A^, AZ, Phase ID, Time, Res, ISC. Rows include KEDI Kedomdong, RATA Rata, RATI Rata, INGI Ingas, KELI Kelakatan, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

IDC 01 05:43:29.9, 1.0, 15.65S: 74.43W, h67km, 5km, mb3.3/6, mb1 3.6/8, mb1mx3.6/14, MS2.7/1, Ms1 2.8/1, ms1mx2.6/9, Error ellipse: s-maj=40.5km s-min=14.1km az=26.0

NEIC 01 05:43:30.5, 0.6, 15.61S: 74.39W, mb4.2/1, Error ellipse: s-maj=25.8km s-min=12.0km az=216.0

ISC 01 05:43:29.0, 9.15, 5.15S: 74.39W, 0.10, h71km, n26, e081/20, mb3.5/7, Near coast of Peru

Table with columns: Code, Station Name, A^, AZ, Phase ID, Time, Res, ISC. Rows include LPAZ La Paz, CPUP Villa Florida, BDFB Brasilia, TXAR Lajitas Array, WRA Warramunga Arr, etc.

IDC 01 06:01:32.1, 2.4, 7.32S: 128.36E, mb3.9/1, mb1 3.8/3, mb1mx3.8/8, ML3.5/2, Error ellipse: s-maj=281.0km s-min=30.8km az=65.0, Banda Sea

Table with columns: Code, Station Name, A^, AZ, Phase ID, Time, Res, ISC. Rows include FITZ Fitzroy Crossi, WRA Warramunga Arr, WB2 Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

THE 01 06:10:30.4, 38.68N-20.50E, ATH 01 06:10:32.7, 38.88N-20.63E, h10km, MD3.2/3, ISC 01 06:10:32.5, 1.2, 38.85N-0.07, h20.54E, 0.10, h10km, n7, e119/0, Greece

Table with columns: Code, Station Name, A^, AZ, Phase ID, Time, Res, ISC. Rows include VLS Valsameta, IGT Igoaunita, JAN Janina, etc.

Table with columns: EVR, AGG, LIT, FNA, LDG, BUJ, NEIC, HRVD, etc. Rows include Epytania, Agios Georgios, Litokhoron, Fiorina, etc.

NEIC 01 06:12:07.9, 0.3, 15.04N: 60.70W, mb5.0/98, MD4.6(RSPR), Error ellipse: s-maj=7.2km s-min=3.5km az=165.0

NEIC 01 06:12:07.9, 0.0, 15.16N: 60.74W, h47km, 2km, MW4.8/36, Centroid moment Tensor Solution. LP body waves: s19, c23, Mantle waves: s36, c48; Half duration: 0 Moment tensor: Scale 10^18Nm; M1: -1.70, 2.2; M2: 2.32, 1.2; M3: -0.62, 1.6; M4: 0.02, 0.9; M5: -0.43, 1.7; M6: 0.88, 0.9; Best double couple: M2, 2.9x10^16 Np1, 252, 851; 7, 130; NP2, 124, 854, 552; Principal axes: T2, 38, 130; Azm189; N: -19, P130; Azm279; P: -2.2, P160; Azm96; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s.

MOS 01 06:12:09.1, 0.7, 14.98N: 60.73W, h69km, mb5.3/9, Error ellipse: s-maj=25.6km s-min=10.9km az=62.3

RSPR 01 06:12:09.1, 14.65N: 61.02W, h25km, 31km, M4.6 TRN 01 06:12:09.9, 15.12N: 60.62W, h31km, MD4.4, MD4.5(FDF) TRN Felt (V) in Saint Lucia and Martinique, (III) and (IV) in Dominica.

ISC 01 06:12:07.1, 0.1, 15.13N: 0.02, 60.66W, 0.02, h48km, h48km, 3.2km, pp-P, n400, e19/04/13, mb5.0/123, MS3.9/23, 90C-38D, Leeward Islands

Table with columns: Code, Station Name, A^, AZ, Phase ID, Time, Res, ISC. Rows include CRM Caravelle, BVM Bellevue, MVM Montagne Vaucl, FDF Font de France, DSST Stowe, DBCT Belle View Cho, DSHT Scott's Head, DPMT Pointe Michel, BIN Bigot, MDN Morne-Daniel, DWS Wesley, DLVT Layou Valley, BBT Barber's Block, BBL Barber's Block, MGG Marie-Galante, SLW Petit Monier, SLW Petit Monier, SFG Saint Francois, DEG La Desirade, SLTA Morne Tabac, SLPE Piton Saint Es, PAG Le Parnasse, SLB St. Louis, MCLT Moule a Chique, SSV Crater Summit, SVU Soufriere Volc, BSS Belmont, MBLG MBLG, MLYT MLYT, MBWH MBWH, MJHT Jackboy Hill, MBBG MBBG, BPA Boggy Peak, BBSP Saint Philip, CPB Capri, NVRH NVRH, SKTB Turtle Beach, SKT Saint Kitts, SKI Saint Kitts, SKB Saint Kitts, GRW Mount Saint Ca, STAT Sint Eustatius, TPR Prospect, TRN Trinidad (W), TCE Chachacare, TPP Pointe-a-Pierre, ALP Atlantic Ling, SIPA Sipira, BUAY Buenos Aires, HUMP Col San Antoni, HUMP Col San Antoni, HUMP Col San Antoni, HJG San Juan, SJG San Juan, SJG San Juan, SJG San Juan, CSB Colonia Sabana, CSB Colonia Sabana, CSB Colonia Sabana, CERP Cerrillos, CELP Cerrillos, OBIP Obispo Ponce, OBIP Obispo Ponce, PORP Portugal, PORP Portugal, AOPR Arecibo Observ, AOPR Arecibo Observ, LRS Lares, LRS Lares, LRS Lares, LRS Lares, LSP Las Mesas, LSP Las Mesas, ROSC El Rosal, ROSC El Rosal, ROSC El Rosal, ROSC El Rosal, BBSR Bt Station, OTAV Otav, JTS JuntasAbangare, JTS JuntasAbangare, JTS JuntasAbangare, NHSC New Hope, PAL Palisades, LUPA Lehigh Unvers, LUPA Lehigh Unvers, etc.

Table with columns: PWV Princeton, MCWV Mont Chateau, LRAL Lakeview Retre, NCB Ncomb, PLAL Picket Lake, WVT Waverly, LPAZ La Paz, LPZ La Paz, WCI Wyandotte Cave, BLO Bloomington, BDFB Brasilia, BDFB Brasilia, SADO Sadowa, SADO Sadowa, SADO Sadowa, SIUC Southern Illin, FVM French Village, CCM Cathedral Cave, CCM Cathedral Cave, CCM Junction City, WMOK Wichita Mount, KSU1 Kansas State U, SCHO Schererville, SCHO Schererville, SCHO Schererville, CPUP Villa Florida, CPUP Villa Florida, CPUP Villa Florida, TXAR Lajitas Array, TXAR Lajitas Array, TXAR Lajitas Array, TXAR Lajitas Array, ULM Lac du Bonnet, ULM Lac du Bonnet, ULM Lac du Bonnet, ULM Lac du Bonnet, EFAM Famara, RW3 Ridgway, PV01 Paradox Valley, TUC Tucson, FRB Froisher Bay, FRB Froisher Bay, FRB Froisher Bay, FRB Froisher Bay, FRB San Rafael, BW06 Bannockburn, PDAR Pinedale Array, PDAR Pinedale Array, PDAR Pinedale Array, FCC Fort Churchill, JLU Jordanelle, STS Santitas, CTU Camp Tracy, HWUT Hardware Ranch, LWKY Lake, MOE Montemor, YMR Madison River, PTO Tomar, EVO Evora, PBEJ Beja, PALC Alcoutim, EGRO Granada, QLMT Earthquake Lak, HVU Hanish Valley, PVIS Viseu, STS Santiago, PCBR Castelo Branco, NEN Nelson, ELOB Lobios, MTE Mantegas, PVRL Perla, EMIN Mina Concepcio, MCMT McKenzie Canyo, TRQA Torquiste, ESPR Espera, EINC Incio, ERUA La Rua, ERUA La Rua, PBRG Braganca, ECAL Calabor, ECAL Calabor, ECAL Hornachuelos, EADA Adana, ELOJ Sierra Gija, ERON Argon, EBAN Banos Encina, ECGO Cogollos-Vega, etc.

Table with columns: Station, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ESDC Sonseca Array, BMN Baitte Mountain, TIC Toudou, LIC Lamto, etc.

Table with columns: Station, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like CABF La Chapelle, FRF La Foret Royal, MBDF Montbardon, RRL Cesana Torines, etc.

Table with columns: Station, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like MORC Moravsky Berou, OKC Ostrava-Krasne, OKC Ostrava-Krasne, etc.

MEX 01 06:46:37.6.0.5. 17.02N-99.80W, h54km-6km, MD3.7. NEIC 01 06:46:37.8. 17.05N-99.79W, h51km, MD3.6(MEX). After 00:00Z2, Guerrero

Code Station Name Az El Op Phase ID Time Res I S C h m s I S C

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

NDI 01 06:54:25.8:3.0,30.08N:79.49E,h10km,MD3.2,ML3.2, 1C,Western Xizang-India border region

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

IDC 01 06:54:39.1:13.0,12.29S:167.17E,h209km,123km, mb3.5/6,mb1.3,7.6,mb1mx3.7/11,Error ellipse: s-maj=96.5km s-min=37.7km az=150.0

ISC 01 06:54:36.9:1.8,12.3S:0.6:167.1E:0.4,h200km,n8, o=82/6,mb3.6,Santa Cruz 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.

IDC 01 07:05:57.4:1.1,19.23S:173.92W,mb3.9/6,mb1.4/2.6, mb1mx4.1/11,Error ellipse: s-maj=52.5km s-min=22.1km az=142.0

ISC 01 07:06:00.6:0.9,19.4S:0.2:173.9W:0.2,h33km,n7, o=98/6,mb3.9,Tonga Islands

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

CASC 01 07:09:10.6:1.5,12.52N:88.24W,h44km,436km,MD3.7, ML3.6

ISC 01 07:09:09.8:0.5,12.44N:0.06:88.26W:0.04,h40km,34km, n33,o=64/49,8C-15D,Off coast of central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s ISC. Includes stations like CNCH Conchagua, VSM San Miguel, etc.

Table with columns: RTR, EI Retiro, MGAN Managua, etc. Includes stations like EI Retiro, Managua, Tegucigalpa, etc.

NIED 01 07:19:00.36.50N:137.70E,h200km,Mw3.9 Best double couple: M7.49x10^14 Np1.9s59',delta90',lambda-93'. Np2.9s327', delta-83',lambda-2'

IDC 01 07:19:01.0:2.8,36.54N:137.54E,h188km,27km, mb3.7/15,mb1.3/8.17,mb1mx3.7/25,Error ellipse: s-maj=17.2km s-min=11.9km az=85.0

ISC 01 07:19:02.7:0.3,36.58N:0.05:137.59E:0.7,h240km,2km, n58,o=98/68,mb3.8/17,Eastern Honshu

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

IDC 01 08:00:24.0:1.0,59.55S:26.69W,mb4.5/4,mb1.4/6.4, mb1mx4.3/10,Error ellipse: s-maj=50.1km s-min=30.1km az=33.0

NEIC 01 08:00:35.6:3.5,59.30S:27.08W,h81km,30km,mb4.9/2, Error ellipse: s-maj=36.0km s-min=17.3km az=225.0

ISC 01 08:00:34.2:3.4,59.3S:0.2:27.1W:0.5,h72km,33km,n37, o=87/20,mb4.5/7,4C-5D,South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s ISC. Includes stations like VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, etc.

IDC 01 08:06:21.8:1.2,19.76S:176.03W,mb4.1/5,mb1.4/4.6, mb1mx4.2/12,ML4.7/1,Error ellipse: s-maj=42.2km s-min=23.9km az=128.0

NEIC 01 08:06:33.7:5.2,19.9S:176.02W,h100km,4km,mb4.3/1, Error ellipse: s-maj=27.3km s-min=19.7km az=77.0

ISC 01 08:06:24.8:0.9,19.5S:0.1:176.0W:0.2,h33km,n13, o=87/13,mb4.1/6,Tonga Islands

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

Table with columns: CPUP Villa Florida, CPUP Villa Florida, etc. Includes stations like Villa Florida, etc.

NEIC 01 07:49:44.2:2.0,6.76N:72.90W,h170km,17km,Error ellipse: s-maj=45.0km s-min=19.2km az=102.0

IDC 01 07:49:44.3:2.6,6.77N:72.99W,h168km,19km,mb3.4/5, mb1.3/6.6,mb1mx3.1/8,Error ellipse: s-maj=47.2km s-min=22.2km az=103.0

ISC 01 07:49:44.6:1.1,6.9N:0.3:73.1W:0.4,h178km,27km,n19, o=99/6/17,mb3.7/5,Northern Colombia

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

IDC 01 08:00:24.0:1.0,59.55S:26.69W,mb4.5/4,mb1.4/6.4, mb1mx4.3/10,Error ellipse: s-maj=50.1km s-min=30.1km az=33.0

NEIC 01 08:00:35.6:3.5,59.30S:27.08W,h81km,30km,mb4.9/2, Error ellipse: s-maj=36.0km s-min=17.3km az=225.0

ISC 01 08:00:34.2:3.4,59.3S:0.2:27.1W:0.5,h72km,33km,n37, o=87/20,mb4.5/7,4C-5D,South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s ISC. Includes stations like VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, etc.

IDC 01 08:06:21.8:1.2,19.76S:176.03W,mb4.1/5,mb1.4/4.6, mb1mx4.2/12,ML4.7/1,Error ellipse: s-maj=42.2km s-min=23.9km az=128.0

NEIC 01 08:06:33.7:5.2,19.9S:176.02W,h100km,4km,mb4.3/1, Error ellipse: s-maj=27.3km s-min=19.7km az=77.0

ISC 01 08:06:24.8:0.9,19.5S:0.1:176.0W:0.2,h33km,n13, o=87/13,mb4.1/6,Tonga Islands

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MELI Alboran, EALB Alboran, EALB Alboran, EJIF Jimena Fronter, etc.

IDC 01 08:19:11.2, 1.2, 4.4, 4.6S, 153.27E, mb4.1/4, mb1 4.3/4, mb1mx4.0/11, Error ellipse: s-maj=52.0km s-min=19.8km az=121.0

NEIC 01 08:19:21.1, 2.4, 4.8, 8.0S, 153.01E, h70km, 18km, mb4.6/3, Error ellipse: s-maj=35.7km s-min=16.7km az=97.0

ISC 01 08:19:20.5, 3.8, 4.8S, 0.1, 153.0E, 0.4, h77km, 24km, n16, r121/14, mb4.0/1, 2, New Ireland region

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

NEIC 01 08:51:52.0, 3.7, 3.4, 48S, 179.99E, h256km, 36km, mb4.1/2, Error ellipse: s-maj=52.6km s-min=27.8km az=189.0

IDC 01 08:51:55.5, 3.0, 3.4, 58S, 179.53E, h268km, 32km, mb4.2/3, mb1 4.3/5, mb1mx4.1/10, Error ellipse: s-maj=51.4km s-min=19.5km az=167.0

ISC 01 08:51:52.0, 1.1, 34.7S, 0.1, 179.9W, 0.2, h294km, 14km, n41, r109/47, mb4.0/5, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HBZ Hicks Bay, PUZ Puketiti, NOZ North Gisborne, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PWZ Pawanui, PWZ Pawanui, BFZ Birch Farm, etc.

IDC 01 08:57:27.9, 2.8, 16.83S, 172.63W, mb3.6/5, mb1 4.0/5, s-min=24.9km az=148.0, Samoa 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, NVAR Mina Array B, etc.

CASC 01 09:02:17.5, 2.1, 8.43N, 82.99W, h3km, 8km, MD3.6, 7C-1D, Panama-Costa Rica border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ACR Cerro Adams, DVD David, PTP1 Petroterminal, etc.

IDC 01 09:05:56.1, 4.5, 27.61N, 62.16E, mb3.6/6, mb1 3.8/6, mb1mx3.7/14, Error ellipse: s-maj=99.5km s-min=41.1km az=171.0

ISC 01 09:06:01.9, 3.9, 28.0N, 0.6, 62.1E, 0.3, h33km, n6, r0543/6, mb3.5/5, Southern Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MKAR Makanchi Array, BVAR Borovoye Array, FINES FINESS Array B, etc.

IDC 01 09:05:43.7, 15.0, 45.89N, 149.08E, mb3.5/4, mb1 3.9/4, mb1mx3.5/17, Error ellipse: s-maj=437.0km s-min=99.2km az=80.0

JMA 01 09:06:09.1, 0.5, 45.59N, 150.51E, h155km, M3-2

ISC 01 09:06:09.1, 1.7, 45.7N, 0.3, 150.2E, 0.4, h208km, 20km, n17, r107/21, mb3.1/4, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NEM2 Nemuro 2, JRA Rausu, JNK Nakash, etc.

TXAR Lajitas Array 79.74 58 P P 09 17 57.0 +1.9

BER 01 09:10:12.2, 4.7, 77.80N, 8.60E, ML2.1 (NAO) NAO 01 09:10:12.9, 4.2, 77.99N, 8.55E, h10km, 14km, ML2.1, Svalbard region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KBS Kingsbay, SPA0 Spitsbergen Ar, SPA0 baz=249, slow=14, etc.

IDC 01 10:15:52.0, 0.8, 28.09N, 103.43E, mb4.0/11, mb1 4.1/11, mb1mx4.0/15, Error ellipse: s-maj=68.9km s-min=16.6km az=57.0

BUI 01 10:15:54.7, 28.08N, 103.52E, h21km, mb4.3, ML3.9, Ms3.9, Ms2.6

NEIC 01 10:15:56.7, 0.5, 28.06N, 103.38E, h30km, Error ellipse: s-maj=16.3km s-min=9.7km az=212.0

ISC 01 10:15:54.8, 0.7, 27.94N, 0.09, 103.4E, 0.1, h33km, n27, r052/23, mb4.0/11, Yunnan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CD2 Chengdu, ENH Enshui, MKAR Makanchi Array, etc.

CASC 01 10:51:16.2, 1.7, 14.11N, 91.26W, h65km, 13km, MD3.4, ML3.5, 3C-5D, Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JAT Jato, FUG Fuego, TER Terranova, etc.

IDC 01 10:56:29.0, 6.0, 35.42S, 177.97E, mb3.6/2, mb1 3.9/2, mb1mx3.8/8, Error ellipse: s-maj=315.0km s-min=54.2km az=170.0

NEIC 01 10:56:32.2, 37.99S, 178.27E, h64km, mb4.4/1, ML4.4 (WEL), After WEL

WEL 01 10:56:32.4, 0.3, 37.99S, 178.28E, h64km, 2km, ML4.5/8, Error ellipse: s-maj=2.2km s-min=1.3km az=30.0

ISC 01 10:56:26.8, 1.0, 38.19S, 0.04, 178.6E, 0.1, h87km, 6km, n113, r141/114, mb3.8/3, 2C-6D, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PUZ Puketiti, PUZ Puketiti, NOZ North Gisborne, etc.

1d 12h

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

MEX 01 11:03:59.4+0.6, 18.38km, 103.43W, h15km, MD3.8, Near coast of Michoacan

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

NIED 01 11:15:00.28, 50N, 130.50E, h35km, Mw4.1 Best double couple: M1.4x10^15 NP1, phi=181, delta=142, NP2, phi=83, delta=11

JMA 01 11:15:41.2+0.1, 28.48N, 130.46E, h50km, 1km, M3.9
NEIC 01 11:15:44.2+0.6, 28.49N, 130.32E, mb3.9/1, Error ellipse: s-maj=17.8km s-min=11.8km az=114.0

IDC 01 11:15:44.2+0.9, 28.56N, 130.13E, h45km, 8km, mb3.3/7, mb1.3/6.9, mb1mx3.5/19, ML3.9/2, Error ellipse: s-maj=23.7km s-min=8.0km az=118.0

ISC 01 11:15:42.0+0.6, 28.52N, 130.40E, h43km, 8km, mb4km, 2.5km, p-P, N, zki, r=195/47, mb3.7/8, Ryukyu Islands

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

2004 MAR

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

NIED 01 11:25:00.37, 70N, 142.20E, h35km, Mw4.0 Best double couple: M1.32x10^15 NP1, phi=6, delta=77, NP2, phi=141, delta=133

IDC 01 11:25:15.2+1.0, 37.67N, 142.27E, mb3.7/6, mb1.3/8/7, mb1mx3.7/18, ML3.7/1, MS3.2/1, Ms1 3.2/1, ms1m2.7/17, Error ellipse: s-maj=37.5km s-min=20.6km az=86.0

JMA 01 11:25:18.7+0.1, 37.77N, 142.16E, h33km, 2km, M4.1
NEIC 01 11:25:21.6+0.7, 37.69N, 142.23E, h45km, Error ellipse: s-maj=17.2km s-min=12.4km az=145.0

ISC 01 11:25:19.4+1.3, 37.72N, 0.05, 142.2E, 0.1, h43km, 11km, n27, phi=73/35, mb3.9/7, 6C, Off east coast of Honshu

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

IDC 01 12:09:16.1+4.1, 23.84N, 95.02E, mb4.0/3, mb1.4/2.3, mb1mx3.8/12, Error ellipse: s-maj=376.0km s-min=24.8km az=60.0

ISC 01 12:09:19.0+1.1, 23.81N, 0.3, 95.0E, 0.4, h33km, n4, phi=00/5, mb4.0/3, 1D, Myanmar

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

IDC 01 12:15:26.9+4.6, 13.78S, 112.40W, mb3.4/6, mb1.3/8/6, mb1mx3.7/12, MS3.9/8, Ms1 3.9/8, ms1mx3.9/10, Error ellipse: s-maj=141.0km s-min=26.2km az=51.0

ISC 01 12:15:28.3+8.8, 13.9S, 0.5, 112.6W, 0.7, h10km, n8, phi=112/6, mb3.4/6, MS3.9/8, Central East Pacific Rise

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

NIED 01 12:27:00.31, 90N, 130.60E, h175km, Mw4.7 Best double couple: M1.15x10^16 NP1, phi=354, delta=63, NP2, phi=245, delta=59, phi=147

MOS 01 12:27:18.7+0.9, 31.82N, 130.40E, h182km, mb4.5/13, Error ellipse: s-maj=13.9km s-min=7.6km az=100.6

BUI 01 12:27:19.9, 31.71N, 130.68E, h202km, mb4.8, mb4.7
NEIC 01 12:27:20.6+0.3, 31.80N, 130.58E, mb4.8/12, Error ellipse: s-maj=8.1km s-min=5.8km az=99.0

NEIC Felt in Miyazaki Prefecture. Recorded [2 JMA] in Kagoshima and Miyazaki; [1 JMA] in Kumamoto, Nagasaki and Oita Prefectures. Also recorded in Ehime and Kochi Prefectures, Shikoku.

IDC 01 12:27:20.3+0.5, 31.80N, 130.37E, h180km, 3km, mb4.0/17, mb1.4/2/21, mb1mx4.2/25, Error ellipse: s-maj=13.9km s-min=8.3km az=98.0

JMA Felt II J.
ISC 01 12:27:19.8+0.1, 31.82N, 130.04, 130.58E, 0.05, h188km, 2km, h182km, 1.4km, p-P, n149, phi=107/160, mb4.5/38, 10C-3D, Kyushu

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



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Eielson Array, Fort, Inuk, Spitsbergen Ar, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Larrau, Etsaut, Ojcow, Kasperske Hory, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NEIC 01, NEIC 10, NEIC 11, NEIC 12, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like ULHL Ulahoi, KURK Kurchatov, DAWY Dawson, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like WESE West Dahl East, WESS West Dahl Sout, AKA Akutan, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like IDC 01:15:50:48.5:0.8:27.20N:140.18E, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like NEIC 01:15:59:07.3:1.6:6.33S:147.55E, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like IDC 01:15:59:07.4:5.5:6.48S:148.15E, etc.

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

PRU 01 16:09:25.9, 51.48N-16.06E
WAR 01 16:09:25.7, 51.54N-16.06E, ML2.7, Mining Induced
ISC 01 16:09:24.9, 1.6, 51.46N-0.07, 15.93E, 0.07, n9, 15:07/14,

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

IDC 01 16:19:26.1, 8.1, 15.88Sx174.90W, h193km, 74km, mb3.67,
mb1 3.97, mb1mx3.8/11, Error ellipse: s-maj=41.5km
s-min=19.9km az=150.0

NEIC 01 16:19:31.2, 5.4, 15.95Sx174.95W, h243km, 51km, mb4.1/1,
Error ellipse: s-maj=29.0km s-min=15.3km az=149.0
ISC 01 16:19:30.1, 0.6, 15.95S, 0.2, 175.0W, 0.2, h243km, n31,

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

IDC 01 16:40:37.0, 2.0, 31.82N, 49.58E, mb4.3/16, mb1 4.4/18,
mb1mx4.3/24, ML3.9/2, MS3.4/1, Ms1 3.4/1, ms1mx2.8/24,
Error ellipse: s-maj=45.0km s-min=19.2km az=173.0

MOS 01 16:40:38.9, 1.2, 31.63N, 49.53E, h33km, mb4.7/6, Error
ellipse: s-maj=21.0km s-min=10.9km az=100.4

BUI 01 16:40:39.5, 1.0, 31.82N, 49.32E, h69km, mb4.5
ZUR\_RM 01 16:40:42.31, 82N, 49.51E, h18km, Mw4.5/7, Moment
Tensor Solution, s' Moment tensor: Scale 1015Nm;

NEIC 01 16:40:42.8, 1.7, 31.82N, 49.51E, h43km, 12km, mb4.6/25
Error ellipse: s-maj=15.1km s-min=8.6km az=148.0

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

Table with columns: MZLS, AFSS, ASF, ELMT, ZGT, ZEI, etc. Includes stations like Mizel, 'Afif, Jabal al Asfar, etc.

Table with columns: KAMS, EIL, AYAS, GDAS, KIV, etc. Includes stations like Al Khamasin, Elat, 'Ayunnah, etc.

Table with columns: NAM, ELT, ESKT, KRIS, etc. Includes stations like An Nimas, Elit, Eskitshier, etc.

Table with columns: BVAR, BVAR, MKAR, MOA, KBA, etc. Includes stations like Borovoye Array, Molin, Koelnbreinsper, etc.

Table with columns: GERES, WTTA, WTTA, WATA, WATA, WATA, etc. Includes stations like Geres Array, Wattenberg, Walderalm, etc.

Table with columns: DAVOX, DAVOX, FINES, PGF, DAVOX, etc. Includes stations like Davos, Finess Array, Pioggiola, etc.

Table with columns: DAVA, MBDF, MBDF, LPGA, LPGA, LPL, etc. Includes stations like Montbardon, La Plagne, La Plagne, etc.

Table with columns: LOR, LOR, LOR, SSF, SSF, NB2, NB2, NOA, NOA, etc. Includes stations like Lormes, Saint Saulge, NORSAR Subarra, etc.

Table with columns: KEV, KEV, ARCES, ARCES, ARCES, LDF, LDF, FLN, FLN, etc. Includes stations like Kevo, ARCES Array, La Druitiere, etc.

Table with columns: QUIF, QUIF, ROSF, ROSF, SPITS, SPITS, SPB4, SPB4, etc. Includes stations like Quistin, Rostrene, Spitsbergen Ar, etc.

Table with columns: YAK, YAK, BILL, BILL, FRB, FRB, SCHO, SCHO, etc. Includes stations like Yakutsk, Bilibino, Froberisher Bay, etc.

Table with columns: INK, INK, ILAR, ILAR, YKA, YKA, YKA, etc. Includes stations like Inuvik, Eielson Array, Yellowknife Ar, etc.

IDC 01 16:47:48.2, 3.8, 18.22Sx169.57E, mb4.3/3, mb1 4.5/3,
mb1mx4.2/10, MS4.0/2, Ms1 4.0/2, ms1mx3.2/17, Error
ellipse: s-maj=87.7km s-min=35.7km az=207.0

NEIC 01 16:48:07.7, 3.8, 19.08Sx169.22E, h140km, 25km, mb4.3/2,
Error ellipse: s-maj=46.8km s-min=18.4km az=207.0

ISC 01 16:48:09.4, 1.3, 19.30S, 0.07, 169.1E, 0.2, h158km, 8km,
n19, 0:57/20, mb4.2/4, 11C, Vanuatu Islands

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

MAN 01 16:55:27, 17.31N-120.25E, h10km, mb4.4, ML3.2,
MS3.0, 1C, Luzon

NEIC 01 16:56:04.0, 3.51, 53N-16.17E, h5km, ML3.2(VIE), ML3.1(SZGRF), ML2.8(CLL), ML2.6(BRG), Error ellipse: s-maj=5.6km s-min=3.8km az=92.0

BGR 01 16:56:04.6, 0.7, 51.47N-16.12E, h1km, ML3.1/6, Error ellipse: s-maj=8.9km s-min=5.6km az=173.0

PRU 01 16:56:05.2, 51.45N-16.09E, Felt In Harachov, IDC 01 16:56:05.3, 0.7, 51.44N-16.03E, mb3.3/1, mb1 3.5/8, mb1mx3.4/19, ML3.2/7, Error ellipse: s-maj=17.0km s-min=6.3km az=103.0

WAR 01 16:56:05.7, 51.46N-16.07E, ML3.1, Mining Induced ISC 01 16:56:02.9, 6.0, 51.42N-16.02E-16.09E, 0.02, n84, c1934/164, mb3.5/1, 9C-2D, Poland

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

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Lists seismic stations like ARSA, ARZ, CRVS, WATA, WTTA, SOTA, etc.

IDC 01 17:11:14.8, 4.2, 22.04S-66.98W, h178km, 32km, mb1 3.6/3, mb1mx3.3/13, Error ellipse: s-maj=63.5km s-min=21.9km az=50.0

ISC 01 17:11:14.6, 4.3, 22.1S-66.9W, 0.5, h178km, n4, c0564/4, Jujuy Province

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Lists seismic stations like LPAZ, CPUZ, BDFB, MKAR, etc.

NEIC 01 17:14:26.8, 50.34N-7.33E, h6km, ML2.6(LDG), ML2.0(STR), After LDG.

LDG 01 17:14:26.8, 0.2, 50.34N-7.33E, h6km, Md2.3/1, ML2.6/10, Error ellipse: s-maj=3.8km s-min=2.4km az=28.0

BNS 01 17:14:26.6, 0.9, 50.41N-7.39E, h3km, 24km, ML1.7, BGR 01 17:14:26.6, 1.3, 50.34N-7.44E, h10km, ML1.9/2, Error ellipse: s-maj=13.3km s-min=5.6km az=11.0

STR 01 17:14:27.3, 1.0, 50.35N-7.48E, h5km, 1km, ML2.0, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

ISC 01 17:14:25.1, 0.5, 50.30N-0.2, 7.31E, 0.04, h14km, 4km, n35, c1939/69, 2C, Germany

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Lists seismic stations like BGG, STB, ABH, RUP, etc.

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

MAN 01 17:14:29.0, 19.49N-121.89E, h1km, mb4.7, ML3.6, MS3.5, IDC 01 17:14:38.4, 6.9, 19.32N-121.82E, h62km, 64km, mb3.6/7, mb1 3.8/8, mb1mx3.7/16, ML3.0, MS3.2, MS1 3.2/1, mb1mx2.1/22, Error ellipse: s-maj=46.2km s-min=18.0km az=69.0

NEIC 01 17:14:39.5, 4.7, 19.31N-121.75E, h75km, 45km, Error ellipse: s-maj=36.5km s-min=14.2km az=74.0

ISC 01 17:14:29.5, 1.8, 19.55N-0.03, 121.9E-0.1, h3km, 13km, n29, c1940/36, mb3.8/7, 2C, Philippine Islands region

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

IDC 01 17:17:51.9, 1.6, 55.57N-151.40W, mb3.4/3, mb1 3.5/6, mb1mx3.5/19, ML3.2/3, Error ellipse: s-maj=32.5km s-min=26.8km az=66.0

NEIC 01 17:18:02.3, 56.63N-151.33W, h20km, ML2.9(AEIC), After AEIC.

ISC 01 17:17:58.8, 1.7, 56.56N-151.37W, 0.1, h20km, n37, c0777/39, mb3.3/3, Kodiak Island region

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

IDC 01 17:21:54.6, 5.2, 4.50S-135.29E, mb3.6/1, mb1 3.6/3, mb1mx3.5/7, ML3.2/2, Error ellipse: s-maj=257.0km s-min=31.0km az=80.0, Irian Jaya region

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

NIED 01 17:39:00, 28.40N-142.50E, h11km, Mw4.4 Best double



Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Rows include stations like KEV, ARCES, WRAN, etc.

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

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Rows include stations like s28,c40, MANTLE, etc.





Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Includes stations like AYVA, PRK, Paraskievi, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Includes stations like ZAK, Zakamensk, ZAK, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Includes stations like THZ, THZ, Tophouse, etc.

IDC 01 18:19:04.2, 1.36, 0.08N, 71.23E, h171km, 45km, mb3.8/10, mb1 4.0/12, mb1mx3.9/16, ML3.7/2, Error ellipse: s-maj=21.7km s-min=19.0km az=70.0

MOS 01 18:19:06.5, 1.0, 36.19N, 71.19E, h104km, mb4.3/13, Error ellipse: s-maj=17.5km s-min=8.7km az=101.8

NEIC 01 18:19:07.6, 2.1, 36.13N, 71.21E, h102km, mb4.0/4, Error ellipse: s-maj=13.3km s-min=9.5km az=214.0

ISC 01 18:19:05.4, 0.5, 36.08N, 0.03, 71.14E, h99km, 7km, n100, e19/02/105, mb4.1/18, 9C-3D,

Main station list table for the first column, including stations like CEP, CHCP, THW, etc.

ARCES ARCESS Array B 41.58 338 P P 18 26 45.4 +1.1

ARCES ARCESS Array B 41.58 338 P P 18 26 45.4 +1.2

ARCES ARCESS Array B 41.58 338 P P 18 26 45.4 +1.1

ARCES ARCESS Array B 41.58 338 P P 18 26 45.4 +1.1

Main station list table for the second column, including stations like NB2, NB2, NORARS Subarra, etc.

ARCES ARCESS Array B 41.58 338 P P 18 26 45.4 +1.1

ARCES ARCESS Array B 41.58 338 P P 18 26 45.4 +1.2

ARCES ARCESS Array B 41.58 338 P P 18 26 45.4 +1.1

ARCES ARCESS Array B 41.58 338 P P 18 26 45.4 +1.1

Main station list table for the third column, including stations like WRA, WRA, Warramunga Arr, etc.

NEIC 01 18:46:36.2, 4.0, 29.9S, 173.48E, h201km, mb3.5/1, After WEL, WEL 01 18:46:37.1, 0.3, 4.0, 29.9S, 173.51E, h192km, 2km, ML4.7/4, Error ellipse: s-maj=1.8km s-min=1.0km az=90.0

1d 21hr

Table with columns: HFS, HFS, LSA, HFS, LSA, HFS, LSA. Values include station names, times, and coordinates.

CASC 01 19:41:24.2,2.2, 12.38N x 89.39W, h29km, 15km, MD4.2, ML3.3
NEIC 01 19:41:31.1, 1.1, 12.80N x 88.94W, h72km, 15km, mb4.5/6, Error ellipse: s-maj=23.1km s-min=10.0km az=46.0

ISC 01 19:41:24.8,0.9,12.38N,0.06,89.36W,0.06,h51km,7km, n62,c=1918/74,mb4.2/17,MS3.6/11,13C-2D,Off coast of central America

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

2004 MAR

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

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Table with columns: VLS, VLS, LIT, LIT, GRG. Values include station names, times, and coordinates.

JMA 01 20:57:48.5,0.1,24.39N,122.89E,h57km,1km, M2.0
TAP 01 20:57:50.0,24.12N,122.75E,h48km,2km, ML2.8
ISC 01 20:57:48.7,2.5,24.4N,0.2,122.9E,0.1,h55km,13km,n5,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and Residuals.

IOC 01 21:01:40.1, 7.3, 23.95S x 66.97W, h190km, 53km, mb3.4/3, mb1.3/5, mb1mx3.4/12, Error ellipse: s-maj=70.5km

ISC 01 21:01:42.6, 5.9, 23.85S, 0.4, 66.8W, 0.3, h221km, 42km, n7, s=027/6, mb3.4/3, Jujuy Province

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, and Residuals.

NEIC 01 21:01:54.9, 4.2, 6.43S, 129.62E, h140km, 39km, mb4.2/4, Error ellipse: s-maj=74.4km s-min=16.9km az=63.0

ISC 01 21:01:55.3, 5.8, 6.51S, 129.31E, h140km, 52km, mb4.0/2, mb1.4/4, mb1mx4.2/8, Error ellipse: s-maj=104.0km

ISC 01 21:01:56.4, 0.9, 6.65S, 0.2, 129.5E, 0.4, h170km, 49km, n21, s=057/20, mb4.3/8, Banda Sea

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

NEIC 01 21:04:06.7, 35.13N, 3.98W, MN2.0(MDD), After MDD. MDD 01 21:04:06.7, 1.1, 35.13N, 3.98W, mb3.5/13, Error ellipse: s-maj=11.1km s-min=5.2km az=11.0, Aftershock/PLICA

PRXIMO, Strait of Gibraltar

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

Table with columns: ENIJ, Nijar, 2.33 38 P, Pn, 21 04 45.6 -1.3, JOB, Onbets, 3.59 245 P, P, 21 06 33.7 +0.1, etc.

Table with columns: JOB, Onbets, 3.59 245 P, P, 21 06 33.7 +0.1, Kamakawa 2, 4.02 263 P, P, 21 06 42.6 +2.9, etc.

Table with columns: MKAR, comp=Z,3.0nm,0.5s, pmax, pmax, MKAR, comp=Z,3.135nm,19.2s, MLR, MLR, etc.

BUI 01 21:05:31.8, 44.35N, 149.17E, h48km, mb5.0, mb4.7, Ms4.0, Msz3.9

MOS 01 21:05:38.8±1.3, 44.54N, 148.20E, h60km, mb4.8/24, Error ellipse: s-maj=10.3km s-min=6.8km az=97.1

JMA 01 21:05:39.7±0.2, 44.04N, 148.06E, Ms3.9

NEIC 01 21:05:39.5±0.2, 44.58N, 148.16E, mb4.7/30, Error ellipse: s-maj=7.1km s-min=4.5km az=142.0

IDC 01 21:05:39.9±0.4, 44.60N, 148.19E, h51km, mb4.6, mb4.2/23, mb1.4, 3/25, mb1mx4.3/27, MS3.6/6, Ms1.3/6/6, ms1mx3.3/19, Error ellipse: s-maj=15.9km s-min=13.2km az=141.0

SKHL 01 21:05:40.4±0.9, 44.60N, 148.20E, h58km, mb5.0/8, ISC 01 21:05:39.0±0.4, 44.50N, 148.27E, 0.06, h59km, 4km, h50km, 9km, p-P, n266, e1906/268, mb4.6/65, MS3.8/8, 9C-8D, Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, KUR, Kuril'sk, 0.79 339, P, P, 21 05 54.2 -0.2, etc.

Table with columns: MAJO, Matsuhiro, 11.03 227 ePN, P, 21 08 14.0 -2.4, etc.

Table with columns: ARCES, ARCESS Array B, 58.83 340 P, P, 21 15 31.8 -1.3, etc.

Table of satellite data for the 1d 22h period, listing stations like NOA, HFS, KIV, ULM, etc., with columns for station name, coordinates, and status.

Table of satellite data for the 2004 MAR period, listing stations like ROSF, BGF, EIL, etc., with columns for station name, coordinates, and status.

Table of satellite data for the 2004 MAR period, listing stations like HBZ, PUZ, URZ, etc., with columns for station name, coordinates, and status.

Table with 5 columns: YKA, comp, Z, Azn, m, S, S, 9, slow, 40, P, P, 22 27 50.6, -1.3

Table with 5 columns: AB31, SNR=7.4, Akbulak array, 15.30 332, P, P, 22 57 42.3, 0.0

Table with 5 columns: HOLB, comp=Z, 2.99m, 0.1s, Sn, Sn, 23 31 36.5, +2.0

NIED 01 22:35:00.28.30N, 141.70E, h38km, Mw3.9 Best double couple: Ma8.73x1014 NP1.9x306°, 872°, 1.152°. NP2.9x46°, 863°, 1.20°.

IDC 01 22:55:32.0.2.0.32.96Sx178.96W, mb4.1/2, mb1.4 4/3, mb1mx4.1/10, ML4.3/1, Error ellipse: s-maj=58.8km

Table with 5 columns: MAYB, comp=Z, 2.99m, 0.1s, 1.85 33 Pn Pn, 23 31 11.9, +0.4

JMA 01 22:35:23.9.0.1.28.33N, 141.68E, h53km, M4.4

ISC 01 22:55:32.2.2.9.33.4S, 0.1x178.7W-0.3, h53km, 27km, n14, 0.0541/12, mb3.9/2, South of Kermadec Islands

Table with 5 columns: WOSB, comp=Z, 1.35nm, 0.9s, 1.93 47 Pn Sn, 23 31 12.8, +0.2

ISC 01 22:35:22.6.0.7.28.42N, 0.07x141.9E, 0.3, h37km, 10km, n17, 0.1929/23, mb4.0/7, Bonin Islands region

Table with 5 columns: Code, Station Name, Az, AZ, Phase ID, Op, ISC, Time, Res, h m s, ISC

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.01 62 Pn Sn, 23 31 12.1, -1.7

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 1.35 169 P, P, 22 35 45.9, +0.6

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 31 13.8, -0.3

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 1.35 169 P, P, 22 35 46.2, +0.9

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 31 39.9, 0.0

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 1.80 172 P, P, 22 35 52.4, +0.7

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 31 46.2

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 5.00 340 P, P, 22 37 34.8, +0.1

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 31 45.5, -1.4

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 6.00 350 P, P, 22 37 59.2, +1.3

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 31 41.2, -1.8

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 7.73 344 P, P, 22 37 17.4, +1.9

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 31 45.0, +0.7

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 7.99 344 P, P, 22 37 17.4, +1.9

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 31 16.4, -0.2

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 8.24 353 P, P, 22 37 22.3, -0.3

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 31 45.0, +0.7

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 10.52 357 P, P, 22 37 53.1, -0.9

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 31 19.1, +0.6

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 48.63 189 P, P, 22 44 03.9, -1.1

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 31 52.0, +1.7

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 49.44 309 P, P, 22 44 11.2, +0.3

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 31 21.5, +0.6

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 72.21 341 P, P, 22 46 48.4, +3.2

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 31 53.0, +1.2

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 73.78 333 P, P, 22 46 52.3, -2.2

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 31 55.2

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 76.17 334 P, P, 22 47 08.8, +0.6

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 32 07.5

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 76.65 334 P, P, 22 47 11.6, +0.7

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 32 05.4, +0.4

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 82.11 337 P, P, 22 47 40.9, +0.5

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 32 09.2, +0.8

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 82.29 338 P, P, 22 47 41.8, +0.4

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 32 12.1

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 85.31 336 P, P, 22 47 53.0, +1.1

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 32 15.6

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 85.31 336 P, P, 22 47 53.0, +1.1

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 32 15.6

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 85.31 336 P, P, 22 47 53.0, +1.1

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 32 15.6

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 85.31 336 P, P, 22 47 53.0, +1.1

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 32 15.6

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 85.31 336 P, P, 22 47 53.0, +1.1

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 32 15.6

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 85.31 336 P, P, 22 47 53.0, +1.1

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 32 15.6

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 85.31 336 P, P, 22 47 53.0, +1.1

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 32 15.6

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 85.31 336 P, P, 22 47 53.0, +1.1

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 32 15.6

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 85.31 336 P, P, 22 47 53.0, +1.1

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 32 15.6

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 85.31 336 P, P, 22 47 53.0, +1.1

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 32 15.6

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 85.31 336 P, P, 22 47 53.0, +1.1

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 32 15.6

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 85.31 336 P, P, 22 47 53.0, +1.1

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 32 15.6

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 85.31 336 P, P, 22 47 53.0, +1.1

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 32 15.6

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 85.31 336 P, P, 22 47 53.0, +1.1

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 32 15.6

Code Station Name Az AZ Phase ID Op ISC Time Res h m s ISC

Table with 5 columns: CBII, Chichi jima, 85.31 336 P, P, 22 47 53.0, +1.1

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 32 15.6

Table with 5 columns: CBII, Chichi jima, 85.31 336 P, P, 22 47 53.0, +1.1

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 32 15.6

Table with 5 columns: GDR, comp=Z, 2.77m, 0.3s, 2.04 24 Pn Sn, 23 32 15.6



Table with columns: EADA, EMIN, EMIN. Includes station names like Adamuz, Mina Concepcio and coordinates.

CASC 02 00:41:36.52.1, 13.88N.91.26W, h23km, 9km, MD3.6, ML3.7, 3C-2D, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JAT, FUG, PCG, IXG.

Table with columns: CUSS, RBDL, RBDL, RTIR, SBL, SBL, SNJE, SNJE, MRL, MRL, BOQS, LFRS, LFRS, LCBS, LCBS.

MDD 02 00:45:31.8.0.3, 42.17N.8.03W, h16km, 8km, mB1g1.7/8, Error ellipse: s-maj=3.0km s-min=2.6km az=172.0, PRXIMO

NEIC 02 00:45:31.8, 42.17N.8.03W, h16km, MN1.7(MDD), After MDD

INMG 02 00:45:32.0.1.1, 42.19N.8.02W, h12km, 4km, ML1.7, Error ellipse: s-maj=2.4km s-min=1.7km az=38.0, ISC 02 00:45:31.3.0.6, 42.19N.0.03.8.03W, h23km, 7km, n13, c054/17, 3C, Spain

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ELOB, EZAM, ERUA, ERUA, EINC, EINC, STS, STS, PVRL, PVRL, ECAL, ECAL, PBRG, PBRG, EMAZ, EMAZ, EPON, EPON, EPON, EPON, PVIS, PVIS, MTE, MTE, EAR1, EAR1, EAR1, EAR1.

MDD 02 00:46:43.4.1.8, 36.91N.7.31W, h55km, 29km, mb3.0/2, Error ellipse: s-maj=17.5km s-min=11.7km az=20.0, PRXIMO

NEIC 02 00:46:43.4, 36.91N.7.31W, h55km, MG2.9(MDD), After MDD

INMG 02 00:46:44.1.0.9, 36.89N.7.29W, h30km, 8km, ML1.6, Error ellipse: s-maj=3.7km s-min=3.5km az=31.0, ISC 02 00:46:42.1.1.0, 36.97N.0.08.7.24W.0.05, h68km, 11km, n12, c082/22, 1D, Strait of Gibraltar

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PALC, EGRO, EGRO, EMIN, EMIN, ESPR, ESPR, PBEJ, PBEJ, PTEO, PTEO, ELIJ, ELIJ, MOE, MOE, EHOH, EHOH, EADA, EADA, EQES, EQES, ETOB, ETOB, ETOB.

NEIC 02 00:47:16.5, 16.19N.97.64W, h44km, MD3.8(MEX), After MEX

MEX 02 00:47:16.9.0.9, 16.18N.97.62W, h32km, 25km, MD3.8, Oaxaca

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PNIG, PNIG, VHO, VHO, OXX, OXX, CMIG, CMIG, PLIG, PLIG.

ISC 02 00:49:00.3.6.8, 6.86S.147.30E, mb3.5/2, mb1 3.9/3, mb1mx3.9/8, ML3.8/1, Error ellipse: s-maj=209.0km s-min=37.8km az=105.0, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA, WRA, ASAR, ASAR, FITZ, FITZ, MKAR, MKAR.

UPA 02 00:50:54.24.8, 49N.82.87W, h8km, MD1.9, UCR 02 00:50:54.11.9, 45N.83.26W, MD3.7, CASC 02 00:50:57.3.0.2.5, 8.25N.82.72W, h20km, 9km, MD3.7, 2C-1D, Panama-Costa Rica border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PTP1, PTP1, DVD, DVD, ACR, ACR, BUS, BUS, URSC, URSC, LCR2, LCR2, LAJ, LAJ, LAJ, LAJ, PRS1, PRS1, CGA2, CGA2, AZU, AZU, UPA, UPA.

NIED 02 00:56:00.26.30N.141.20E, h360km, Mw4.5 Best double couple: M6.95x1015 NP1.0.244, d76, lambda88. NP2.0.70, d14, lambda96

BUJ 02 00:56:18.6.26.04N.140.75E, h367km, mB4.6, mb4.8, IDC 02 00:56:18.9.0.6, 25.93N.140.71E, h358km, 5km, mb4.1/17, mb1 4.2/21, mb1mx4.2/24, Error ellipse: s-maj=12.7km s-min=7.9km az=87.0

NEIC 02 00:56:19.2.0.8, 25.99N.140.60E, h358km, 8km, mb4.5/33, Error ellipse: s-maj=6.9km s-min=4.5km az=89.0, JMA 02 00:56:22.6.0.2.6, 35N.141.24E, h369km, M5.0, ISC 02 00:56:18.9.0.4, 25.96N.140.73E, h367km, 3km, h362km, 5.3km; p-P, n139, c1914/159, mb4.5/61, 1C-1D, Volcano Islands region

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JHHJ, JHHJ, CBJI, CBJI, CBJI, CBJI, KJO, KJO, TKO2, TKO2, NJJJ, NJJJ, BSO1, BSO1, BSO1, BSO1, JWZ, JWZ, JIE, JIE, JIE, JIE, JOD2, JOD2, JTO, JTO, JRY, JRY, MAJO, MAJO, MAT, MAT, MAT, MAT, MAT, MAT, JHS, JHS, JHS, JHS, JNU, JNU, JOW, JOW, GUMO, GUMO, JMK, JMK, INCH, INCH, INCH, INCH, DL2, DL2, DL2, DL2, MDJ, MDJ, YSS, YSS, CN2, CN2, CN2, CN2, TGY, TGY, BJT, BJT, BJL, BJL, BJL, BJL, BJL, BJL, ENSH, ENSH, ENH, ENH, ENH, ENH, CD2, CD2, CD2, CD2, FX1, FX1, GTA, GTA, GTA, GTA, GTA, GTA, GTA, GTA, GTA, GTA.

Large table with columns: GTA, GTA, YAK, YAK, LSA, LSA, BILL, BILL, WB2, WB2, WRA, WRA, WRA, WRA, WRA, WRA, WRA, WRA, CTA, CTA, CTAO, CTAO, FITZ, FITZ, FITZ, FITZ, TIXI, TIXI, GUN, GUN, PKI, PKI, KKN, KKN, DMN, DMN, GKN, GKN, ASAR, ASAR, ASAR, ASAR, ASAR, ASAR, MKAR, MKAR, MKAR, MKAR, MKAR, MKAR, MKAR, MKAR, MKAR, MKAR, DANN, DANN, KOLN, KOLN, ULHL, ULHL, TKM2, TKM2, KZA, KZA, KBK, KBK, CHMS, CHMS, USP, USP, AAK, AAK, UCH, UCH, EKS2, EKS2, AML, AML, IMA, IMA, ARMA, ARMA, FORT, FORT, CHKZ, CHKZ, BVAR, BVAR, BVAR, BVAR, MCK, MCK, SML, SML, ZRNK, ZRNK, COLA, COLA, ILAR, ILAR, ILAR, ILAR, CLNB, CLNB, DAWY, DAWY, TOO, TOO, INK, INK, SPITS, SPITS, KBS, KBS, RES, RES, KEV, KEV, YKWS, YKWS, YKA, YKA, YKA, YKA, ARCES, ARCES, JOF, JOF, KAF, KAF, GNI, GNI, DPW, DPW, FINES, FINES, NEW, NEW, UMR, UMR, UMR, UMR, KBD, KBD, MIB, MIB, MIB, MIB, RDF, RDF, RDF, RDF, ERZ, ERZ, ERZ, ERZ, NAY, NAY, NAY, NAY, RST, RST, RST, RST, NVAR, NVAR, NVAR, NVAR, HLD, HLD.

2d 2h

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

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

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

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

2004 MAR

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

NEIC 02 01:25:51.6, 38.28N-22.13E, h18km, MD3.5(ATH), After ATH.

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

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

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

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

WAR 02 01:53:32.0, 50.36N-18.86E, ML2.5, Mining Induced PRU 02 01:53:33.7, 50.33N-18.74E

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

ISK 02 01:58:34.5, 37.53N-26.87E, h32km, MD3.4 NEIC 02 01:58:35.0, 37.68N-27.06E, h18km, MD3.3(ATH), After ATH.

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

ISC 02 01:58:35.7, 0.7, 37.63N-0.02, 27.00E, 0.04, h7km, 6km, n25, i+24/35, 3C-1, Turkey

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



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PTVM Pico Tres Padr, CMIG Matias Romero, etc.

INMG 02:02:14:18.5:0.8,36.46N;9.77W,h31km,28km,ML1.7, Error ellipse: s-maj=21.2km s-min=4.1km az=51.0

MDD 02:02:14:19.4:5.4,36.58N;9.47W,h5km,534km,mb2.8/3, Error ellipse: s-maj=657.0km s-min=58.3km az=76.0

ISC 02:02:14:18.3:1.9,36.55N;0.09:9.6W:0.1,h31km,n8, a094/15, West of Gibraltar

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PTEO Sao Teotonio, PALC Alcouthim, etc.

IDC 02:02:30:35.4:3.2,55.74N;151.55W,mb3.7/1,mb1 3.5/5, mb1mx3.5/19,ML3.4/4, Error ellipse: s-maj=57.0km

NEIC 02:02:30:41.1,56.37N;151.16W,h18km,ML3.1(AEIC),After AEIC

ISC 02:02:30:40.9:2.1,56.53N;0.08:151.23W:0.1, h24km,23km,n38,a085/41,mb3.7/1,Kodiak Island region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ACNE Augustine Isla, AUL McNeil River, etc.

IDC 02:02:48:47.8:4.7,12.63S;166.10E,mb4.0/3,mb1 4.1/3, mb1mx3.9/10,1C, Error ellipse: s-maj=201.0km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BKM Butte a Klehm, ASK Alita Springs, etc.

THE 02:02:53:16.0,35.29N;26.45E,h7km

NEIC 02:02:53:17.2,35.17N;26.68E,h15km,MD3.2(ATH),After ATH

ATH 02:02:53:17.2,35.17N;26.68E,h15km,1km,MD3.2/4

ISC 02:02:53:16.3:1.0,35.11N;0.04:25.72E:0.06,h63km,6km,n14,a085/22,2C,Crete

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BKM Butte a Klehm, NPS Neapolis, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like THR3 Thira Island, THRS Thira Island, etc.

CASC 02:03:28:08.5:1.4,12.83N;88.56W,h36km,999km,MD3.6, 8C-5D, Off coast of central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VSM San Miguel, VLM Bellamira, etc.

IDC 02:03:47:19.1:0.6,61.94N;86.61W,mb5.2/21,mb1 5.4/23, mb1mx5.3/24,ML3.8/2,MS5.9/21,Ms1 5.9/21,

NEIC 02:03:47:22.4:0.2,61.61N;86.77W,h28km,mb5.4/121, ME5.4,MS5.9/118,MW6.1,ML5.5(SNET), Error ellipse:

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like THR3 Thira Island, THRS Thira Island, etc.

MOS 02:03:47:22.7:1.4,71.72N;86.91W,h33km,mb5.7/37, MS6.1/22, Error ellipse: s-maj=10.3km s-min=4.6km

HRVD 02:03:47:22.4,11.60N;86.80W,h28km,mb5.9,Ms6.2, Msz6.0

CASC 02:03:47:25.5:2.3,11.65N;87.07W,h33km,11km,MD4.8, ML5.2,mb5.4(NEIC)

ISC 02:03:47:25.4:0.2,11.67N;0.02:86.98W:0.02,h65km,11km, h50km,3.3km,pp-P,n588,0:191/486,mb5.2/143,35C-30D, Near coast of Nicaragua

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

CNGN Cerro Negro 0.87 187 i/P P 03:47 42.5 +0.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MASN Masaya, TELS Telica 3, etc.

FORC Fortuna 2.56 117f i/P P 03:48 05.0 -0.6

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SNET Serv Nac Est T, SNET Serv Nac Est T, etc.

ISC 02:03:47:22.4:0.2,61.61N;86.77W,h28km,mb5.4/121, ME5.4,MS5.9/118,MW6.1,ML5.5(SNET), Error ellipse:

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SNET Serv Nac Est T, SNET Serv Nac Est T, etc.

ISC 02:03:47:22.4:0.2,61.61N;86.77W,h28km,mb5.4/121, ME5.4,MS5.9/118,MW6.1,ML5.5(SNET), Error ellipse:

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SNET Serv Nac Est T, SNET Serv Nac Est T, etc.

ISC 02:03:47:22.4:0.2,61.61N;86.77W,h28km,mb5.4/121, ME5.4,MS5.9/118,MW6.1,ML5.5(SNET), Error ellipse:

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SNET Serv Nac Est T, SNET Serv Nac Est T, etc.

ISC 02:03:47:22.4:0.2,61.61N;86.77W,h28km,mb5.4/121, ME5.4,MS5.9/118,MW6.1,ML5.5(SNET), Error ellipse:

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SNET Serv Nac Est T, SNET Serv Nac Est T, etc.

ISC 02:03:47:22.4:0.2,61.61N;86.77W,h28km,mb5.4/121, ME5.4,MS5.9/118,MW6.1,ML5.5(SNET), Error ellipse:

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SNET Serv Nac Est T, SNET Serv Nac Est T, etc.

ISC 02:03:47:22.4:0.2,61.61N;86.77W,h28km,mb5.4/121, ME5.4,MS5.9/118,MW6.1,ML5.5(SNET), Error ellipse:

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SNET Serv Nac Est T, SNET Serv Nac Est T, etc.

Table of horse race results for the first half of the page. Columns include race name, horse name, jockey, odds, and finish position. Races range from TXAR to LPAZ.

Table of horse race results for the second half of the page. Columns include race name, horse name, jockey, odds, and finish position. Races range from LPAZ to MOD.

Table of horse race results for the third half of the page. Columns include race name, horse name, jockey, odds, and finish position. Races range from HOPS to DIV.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like POHA Pohakuloa, SML Palmer, ILAR Elison Array, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like LIC Lamto, LIC Lamto, LIC Lamto, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like CLL Colim, CLL Colim, CLL Colim, etc.

Table with columns for station code, name, frequency, and coordinates. Includes stations like SEY, MAK, GNI, GNI, CHXK, etc.

Table with columns for station code, name, frequency, and coordinates. Includes stations like MAK, MAK, MAK, MAK, MAK, MAK, etc.

Table with columns for station code, name, frequency, and coordinates. Includes stations like KGD, KGD, KGD, KGD, KGD, KGD, etc.

ICD 02:03:50:38.9.0.8, 1.191N:86.58W, mb4.6/19, mb1 4.8/20, mb1mx4.7/22, ML2.5/1, MS4.6/1, MS1 4.6/1, ms1mx4.1/23, Error ellipse: s-maj=29.5km s-min=14.4km az=53.0

NEIC 02:03:50:45.9.1.2, 1.187N:86.63W, h53km, 12km, mb5.2/1, Error ellipse: s-maj=12.3km s-min=8.5km az=48.0

B/JI 02:03:50:45.8, 1.190N:86.60W, h53km, MS5.8, MS2.2

CASC 02:03:50:46.1, 1.171N:87.02W, h56km, 37km, MD4.5, ML5.0, mb5.2(NEIC)

ISC 02:03:50:45.2.0.5, 1.170N:0.06:86.99W, 0.04, h70km, 4km, n69, c094/71, mb4.6/20, 12C-15D, Near coast of

Table with columns for Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Copaltepe, Pynonela, Leon, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like ASAR, WBR2, WRA, HYB, FITZ.

LDG 02:04:43.6:0.3, 21.225x169.22E, h10km, Mb4.8/2, Error ellipse: s-maj=2.4km s-min=4.1km az=150.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like DZM, NOUC, URZ, CTA, RPZ, ASAR.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like ASAR, WRA, WRA, FITZ, JHJ, QSPA.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like ASAR, WRA, WRA, FITZ, JHJ, QSPA.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like ASAR, WRA, WRA, FITZ, JHJ, QSPA.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like ASAR, WRA, WRA, FITZ, JHJ, QSPA.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like ASAR, WRA, WRA, FITZ, JHJ, QSPA.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like ASAR, WRA, WRA, FITZ, JHJ, QSPA.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like ASAR, WRA, WRA, FITZ, JHJ, QSPA.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like ASAR, WRA, WRA, FITZ, JHJ, QSPA.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like ASAR, WRA, WRA, FITZ, JHJ, QSPA.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like ASAR, WRA, WRA, FITZ, JHJ, QSPA.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like EMIR, CSOR, CSOR, SALF, SALF, MTLF, MTLF.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like MTLF, MTLF, CAVN, CAVN, MELF, MELF, EPOB, EPOB.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like EPOB, EPOB, CGAR, CGAR, RESF, RESF, EPF, EPF.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like EPF, EPF, LASF, LASF, LASF, LASF.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like LASF, LASF, ERTA, ERTA, ERTA, ERTA.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like ERTA, ERTA, ESAC, ESAC, ESAC, ESAC.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like ESAC, ESAC, ETSF, ETSF, ETSF, ETSF.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like ETSF, ETSF, LFF, LFF, LFF, LFF.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like LFF, LFF, EMOS, EMOS, EMOS, EMOS.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like EMOS, EMOS, VIVF, VIVF, VIVF, VIVF.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like VIVF, VIVF, EALK, EALK, EALK, EALK.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like EALK, EALK, RJF, RJF, RJF, RJF.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like RJF, RJF, ETOR, ETOR, ETOR, ETOR.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like PET, RUS, RUS, RUS, RUS.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like RUS, RUS, GRL, GRL, QSS, QSS.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like QSS, QSS, APC, APC, FX1, FX1.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like FX1, FX1, ILAR, ILAR, ILAR, ILAR.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like ILAR, ILAR, YKA, YKA, YKA, YKA.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like YKA, YKA, MKAR, MKAR, MKAR, MKAR.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like MKAR, MKAR, PDAR, PDAR, PDAR, PDAR.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like PDAR, PDAR, SCHQ, SCHQ, SCHQ, SCHQ.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like SCHQ, SCHQ, TXAR, TXAR, TXAR, TXAR.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like TXAR, TXAR, BUI, BUI, BUI, BUI.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like BUI, BUI, CD2, CD2, CD2, CD2.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like CD2, CD2, CMIG, CMIG, CMIG, CMIG.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like CMIG, CMIG, OXX, OXX, OXX, OXX.

IDC 02:04:25:54.6:1.8, 55.07N:162.90E, mb3.6/6, mb1 3.9/7, mb1mx3.8/17, ML4.0/1, Error ellipse: s-maj=44.3km

KRSC 02:04:25:59.2:1.5, 55.20N:163.22E, h36km, mb4.3/3, MOS 02:04:25:59.2:1.5, 55.21N:163.17E, h42km, mb3.9/2, Error ellipse: s-maj=18.9km s-min=12.1km az=72.7

ISC 02:04:25:59.5:0.5, 55.18N:162.63E, h38km, mb4.8/8, n45, c190/78, mb3.5/6, Off east coast of Kamchatka

NEIC 02:04:31:20.4, 16.53N:95.30W, h16km, MD3.8(MEX), After MEX 02:04:31:20.8:0.8, 16.56N:95.32W, h16km, 49km, MD3.9, Oaxaca

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like CMIG, CMIG, OXX, OXX, VHO, VHO, IISM, IISM.

BUI 02:04:40:06.0, 33.19N:107.80E, h21km, ML3.5, Southeastern China

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like CD2, CD2, CD2, CD2, CD2, CD2.

IDC 02:04:47:42.2:0.6, 3.96N:126.24E, mb4.4/12, mb1 4.6/12, mb1mx4.5/15, Error ellipse: s-maj=51.9km s-min=16.1km az=65.0

NEIC 02:04:47:51.0:0.4, 3.79N:126.13E, h70km, mb4.6/5, Error ellipse: s-maj=27.1km s-min=16.2km az=72.0

BUI 02:04:47:51.1:1.4, 3.13N:127.01E, h58km, mb4.8/8, Msd.9, ISC 02:04:47:52.1:1.3, 3.76N:126.08E, h62.1E:0.2, h55km, 10km, n37, c102/37, mb4.5/18, 1D, Talaud Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like GSPH, GSPH, GSPH, GSPH, KCP, KCP, KCP, KCP.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like KCP, KCP, KAKA, KAKA, FITZ, FITZ, WRA, WRA.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like WRA, WRA, WB2, WB2, ASAR, ASAR, KLBR, KLBR.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like KLBR, KLBR, BJI, BJI, SHL, SHL, ARMA, ARMA, MKAR, MKAR.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, ISC. Includes stations like MKAR, MKAR, MKAR, MKAR, MKAR, MKAR.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CLL Collm, OKC Ostrava-Krasne, KHC Kasperske Hory.

IDC 02 05:11:30.4+1.0, 53.55N-164.53W, mb4.1/14, mb1 4.3/17, mb1mx4.2/23, ML3.7/3, Error ellipse: s-maj=25.6km, s-min=12.4km az=1.0

NEIC 02 05:11:33.5, 53.25N-164.24W, h20km, ML3.9(AEIC), After AEIC.

ISC 02 05:11:33.7+1.0, 53.34N-164.33W, 0.07, h41km, 8km, n41, c086/43, mb4.1/13, Unimak Island region

Main station list table for the 2d 6h period, including stations like WESE West Dahl East, WESS West Dahl Sout, AKA Akutan, etc.

IGIL 02 05:11:36.3-50.0, 38.50N-7.90W, h0km, mb3.3, ML2.6

MDD 02 05:11:38.9-0.6, 38.51N-8.03W, mbLQ2.3/7, Error ellipse: s-maj=7.8km, s-min=4.4km az=38.0, PRXIMO

NEIC 02 05:11:40.8, 38.50N-7.83W, MN2.2(MDD), After MDD.

INMG 02 05:11:40.3+1.1, 38.51N-7.86W, h3km, 4km, ML2.0, Error ellipse: s-maj=2.3km, s-min=1.3km az=77.0

ISC 02 05:11:39.0+0.4, 38.53N-1.02W, 0.7, 85W, h0.03, h3km, n23, c1504/37, Portugal

Continuation of station list table, including stations like MOE Montemor, LIS Lisbon, EGRO El Granado, etc.

ECAL comp=E,2.4nm,0.3s,SNR=5.0 Lg 05 13 31.5

NEIC 02 06:02:03.4, 34.54S-71.98W, h31km, ML2.6(GUC), After GUC.

GUC 02 06:02:03.4+0.5, 34.54S-71.98W, h31km, 2km, MD3.6, ML2.6, 1D, Near coast of central Chile

Station list table for the GUC event, including stations like LNV Longovio, CACH El Canelo, CHCH Chadas Angosto, etc.

NEIC 02 06:12:39.0, 32.62S-71.85W, h21km, ML2.5(GUC), After GUC.

GUC 02 06:12:39.0+0.7, 32.62S-71.85W, h21km, 8km, MD3.6, ML2.5, 3C-3D, Near coast of central Chile

Station list table for the GUC event, including stations like PACH Papudo, ROCH El Roble, LCCH Las Cruces, etc.

MDD 02 06:20:51.5+1.6, 36.74N-6.93W, mbLQ2.2/4, Error ellipse: s-maj=14.6km, s-min=5.3km az=28.0, PRXIMO

NEIC 02 06:20:53.3, 36.82N-6.99W, MN2.2(MDD), After MDD.

INMG 02 06:20:53.8+1.3, 36.85N-6.96W, ML2.3, Error ellipse: s-maj=5.5km, s-min=3.7km az=29.0

ISC 02 06:20:53.6+1.2, 36.92N-0.06, 6.93W-0.04, h4km, 5km, n16, c1517/28, Strait of Gibraltar

Station list table for the MDD event, including stations like ERIP Rio Piedras, PALC Alcouthim, EGRO El Granado, etc.

DJA 02 06:34:59.0-0.9, 8.90S-117.67E, h33km, MD4.8/3, ML4.7/4, 4D, Error ellipse: s-maj=42.7km, s-min=18.8km az=3.0, Sumbawa region

Station list table for the DJA event, including stations like KEDI Kedomdong, KEDI Kedomdong, RATI Rata, etc.

INGI 744nm,0.2s eSn Sn 06 36 04.0 -4.3 KELI Kelakant 27nm,0.2s 3.21 282j ePn Sn 06 35 47.4 -1.5

KNET 02 06:37:10.2-0.8, 43.20N-75.68E, h20km, 3km, ml1.4, Error ellipse: s-maj=6.7km, s-min=1.6km az=32.0

NNC 02 06:37:15.8-46.0, 43.80N-75.92E, h13km, 395km, mpv2.9, Error ellipse: s-maj=707.6km, s-min=217.6km az=156.0

ISC 02 06:37:10.7+1.0, 43.25N-0.06, 75.71E-0.06, h20km, n9, c078/15, 9C-4D, Lake Issyk-Kul region

Station list table for the KNET event, including stations like TKM2 Tokmak 2, CHMS Chumysh, USP Oshpenovka, etc.

NAO 02 06:41:43.4-4.2, 67.56N-33.25E, ML2.2 HEL 02 06:41:43.6-0.4, 67.75N-33.82E, ML2.3, ML2.2(NAO), Explosion

ISC 02 06:41:43.9+1.3, 67.67N-0.04-33.2E, 0.2, n13, c1556/25, Baltic States - Belarus - Northwest Russia

Station list table for the NAO event, including stations like MSF Maaselka, Sodankyl, KEVO Kevo, etc.

NIED 02 06:47:00.40, 80N-141.30E, h9km, Mw4.2 Best double couple: M2.07x10^15 Np1.9x199°, 882°, 1.44°. NP2.0x10^15, 846°, 1.169°

MOS 02 06:47:17.8-1.3, 40.87N-141.17E, h91km, mb4.5/11, Error ellipse: s-maj=12.3km, s-min=6.6km az=90.2

IDC 02 06:47:18.1+1.6, 40.66N-141.14E, h87km, 14km, mb3.9/20, ml1.4, 0/22, mb1mx4.0/24, MS3.0/1, Mst 3.0/1, ms1mx2.5/24, Error ellipse: s-maj=16.7km, s-min=9.7km az=103.0

JMA 02 06:47:19.0-0.1, 40.81N-141.34E, h92km, 1km, M4.1 Broadband fault plane solution: P waves. NP1.0x10^15, 853°, 1.71°. NP2.0x200°, 883°, 3.37°. Principal axes: F131° Azm69°; N Flg62°; Azm209°; P Flg20°, Azm327°; JMA Felt II J1

BJI 02 06:47:20.1, 41.27N-141.67E, h131km, mb4.8, mb4.9 NEIC 02 06:47:21.3-0.7, 40.81N-141.13E, h110km, 6km, mb4.4/10, Error ellipse: s-maj=8.5km, s-min=7.2km az=107.0

NEIC 02 06:47:21.3-0.7, 40.81N-141.13E, h110km, 6km, mb4.4/10, Error ellipse: s-maj=8.5km, s-min=7.2km az=107.0

ISC 02 06:47:18.3-0.3, 40.81N-0.03, 141.29E-0.05, h99km, 2km, n98, c1508/11, mb4.3/38, 7C-6D, Near east coast of eastern Honshu

Station list table for the NIED event, including stations like JTM Tenmabayashi, JMT Nango, JOT Ohata, etc.

Table with columns for station name, time, and other details. Includes stations like YUK, MAJO, MAJ, YAT, etc.

Table with columns for station name, time, and other details. Includes stations like KAKA, WRA, ASAR, etc. and a section for Northwester Balkan Peninsula.

Table with columns for station name, time, and other details. Includes stations like S.JG, LRAL, JOTA, etc.

Table containing station information for the 2d 7h period, including station name, coordinates, phase, and time/resolution data.

Table containing station information for the 2004 MAR period, including station name, coordinates, phase, and time/resolution data.

Table containing station information for the ISC 02 07:21:11.6-0.7, 12.68N, 0.05x123.10E, 0.04, h1km, n7, and other specific event periods.



Table with columns for station ID, name, coordinates, and various signal strength and quality metrics (e.g., pmax, smax, MLR, MFR).

Table with columns for station ID, name, coordinates, and various signal strength and quality metrics (e.g., P, S, eP, eS).

Table with columns for station ID, name, coordinates, and various signal strength and quality metrics (e.g., eP, MFR, pmax).

Table of station data for 2d 9h. Columns include call sign (e.g., FINES), frequency (e.g., 36.65 340), power (e.g., P), and time (e.g., 07 58 47.3 -2.1). Rows include various stations like GREN, GREN, GREN, etc.

Table of station data for 2004 MAR. Columns include call sign (e.g., EMOS), frequency (e.g., 43.49 299), power (e.g., P), and time (e.g., 07 59 46.8 +0.6). Rows include stations like ETSF, LDF, LARF, etc.

Table of station data for 2004 MAR. Columns include call sign (e.g., MA2), frequency (e.g., comp=Z,1.0m,1.0s,mb4.7), power (e.g., MLR), and time (e.g., 08 02 57.4 +1.4). Rows include stations like MA2, MA2, YSS, etc.

MAN 02 08:03:31.6, 8.07N-122.94E, h4km, mb4.7, ML3.5, MS3.4, 1C-3D, Mindanao. Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Rows include PAGZ, PAGZ, DCPH, etc.

IDC 02 08:20:25.2, 3.2, 31.60S-178.32W, mb4.3/2, mb1 4.4/3, mb1mx4.1/1.1, ML3.5/1.1, Error ellipse: s-maj=70.6km, s-min=46.6km az=115.0. Kermadec Islands region. Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Rows include URZ, URZ, URZ, etc.

CASC 02 09:01:45.6, 6, 2.4, 12.53N-87.91W, h44km, 71km, MD4.4, ML4.5, mb4.2(NEIC). Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Rows include NEIC, NEIC, NEIC, etc.

IDC 02 09:01:45.1, 0.3, 12.56N, 0.04, 87.89W, 0.03, h69km, 9km, mb2.0, mb2.0, mb2.0, mb3, 069N-101, mb4.0, 0.19, 19C-17D, Near coast of Nicaragua. Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Rows include CNCH, CNCH, CRIN, etc.

SNVI	San Vicente	1.40 319J	eP	P	09 02 09.5 +0.3
SNVI			eS	P	09 02 26.3 -0.7
LCBS	La Ceiba	1.52 316J	eP	S	09 02 10.6 -0.2
APYN	Apoyeque	1.54 102J	eP	P	09 02 11.0 -0.1
LFRS	El Faro	1.56 313J	eP	P	09 02 11.1 -0.2
LFRS	Las Brisas	1.62 316J	eP	P	09 02 12.9 -0.1
LBRS			eS	P	09 02 31.6 -0.7
CRUC	El Crucero	1.66 110	eP	S	09 02 12.8 +0.2
MGAN	Managua	1.66 104J	eP	P	09 02 12.0 -0.6
MGAN			eS	P	09 02 32.4 -0.5
MGAN			i	S	09 02 32.9 0.0
MGAN			i	S	09 02 35.3
LFU	La Fuente	1.68 315J	eP	P	09 02 13.2 +0.3
TICN	Ticuantepe	1.70 108J	eP	P	09 02 12.9 -0.4
TICN			eS	P	09 02 33.9 -0.2
WIDJ	Americas 2	1.71 103	eP	S	09 02 33.9 -0.5
WIDJ			eS	P	09 02 33.9 +0.3
SNET	Serv Nac Est T	1.72 311J	eP	P	09 02 09.1 -4.5
SNET			eP	P	09 02 13.1
SNET			i	S	09 02 34.4 -0.2
SNET			i	S	09 02 35.8
COFN	Cofrada	1.79 103J	eP	P	09 02 14.1 -0.3
PYTN	Playitas	1.79 90J	eP	P	09 02 14.0 -0.5
PYTN			eS	P	09 02 36.9 +0.8
BOQS	Boqueron	1.79 111J	eP	P	09 02 14.2 0.0
MASV	Masaya	1.79 108	eP	P	09 02 14.5 +0.2
APON	Apoyo	1.89 110J	eP	P	09 02 15.3 -0.5
SBSL	San Blas	2.11 307J	eP	P	09 02 18.9 0.0
SNJE	San Jose	2.12 308J	eP	P	09 02 19.1 +0.1
RTR	El Retiro	2.17 308J	eP	P	09 02 19.9 +0.2
WIDJ	Montecristo 2	2.32 322J	eP	P	09 02 22.2 -0.3
RBDL	Robledal	2.33 312J	eP	P	09 02 22.6 +0.5
CUSS	Cusmapa	2.41 304J	eP	P	09 02 22.7 -0.5
CUSS			eS	P	09 02 50.9 -0.6
CONN	Concepcion	2.42 114	eP	P	09 02 22.5 -0.9
CRZC	La Cruz	2.75 125	eP	P	09 02 29.1 +1.1
CRZC			eS	P	09 02 30.3 -0.4
IXG	Ixpaco	2.97 303J	eP	P	09 02 30.6 -0.5
IXG			eS	P	09 03 05.3 -0.2
IXG			AML	AML	09 03 13.6
MRL	Marmol	3.04 325J	eP	P	09 02 32.5 +0.4
MRL			AML	AML	09 02 35.0
PCG	Pacaya	3.21 305	eP	P	09 02 36.3 +1.9
FUG	Fuego 3	3.43 304	eP	P	09 02 37.2 -0.3
JTS	JuntasAbangare	3.62 128	P	P	09 02 40.3 -0.4
JTS			S	P	09 03 22.5 -0.3
JTS			S	P	09 03 25.3
JTS			S	P	09 03 35.1
JTS			S	P	09 03 35.1
JTS			S	P	09 03 35.1
JTS			S	P	09 03 35.1
JTS			S	P	09 03 35.1
JTS			S	P	09 03 35.1
FORC	Fortuna	3.78 123	eP	P	09 02 42.9 +0.5
JCAR	Jicaral	3.83 134	eP	P	09 02 43.1 +0.1
JAT	Jato	4.04 296J	eP	P	09 02 45.3 -0.7
JAT			eS	P	09 03 30.6 -1.9
JAT			AML	AML	09 03 49.9
VPSZ	Volcan Poas 2	4.29 123	eP	P	09 02 50.5 +1.0
PRSI	Puriscal	4.34 126	eP	P	09 02 52.0 +1.8
LAJ	Bijagua	4.56 126	eP	P	09 02 50.3 -3.0
SJS	Escuela Geolog	4.58 124	eP	P	09 02 55.7 +2.2
LCR2	La Lucha 2	4.73 126	eP	P	09 02 56.8 +1.2
ICR	Volcan Irazu	4.73 122	eP	P	09 02 57.4 +1.7
URSC	Urasca	4.85 123	eP	P	09 02 58.3 +0.9
BUS	Buena Vista	5.04 126	eP	P	09 03 01.7 +1.9
BUS			eS	P	09 03 56.9 -0.4
ACR	Cerro Adams	6.05 129	eP	P	09 03 13.2 -0.6
ACR			eS	P	09 04 20.6 -1.8
LRAL	Lakeview Retre	20.40 2	eP	P	09 06 18.1 -0.7
GOGA	Godfrey	21.15 10	eP	P	09 06 26.8 +0.4
LTX	Lajitas	22.22 321	eP	P	09 06 38.2 +1.2
TXAR	Lajitas Array	22.22 321	P	P	09 06 37.8 +0.8
TXAR			S	P	09 14 04.3
MIAR	Mount Ida	22.49 348	eP	P	09 06 40.5 +0.8
MIAR			eP	P	09 06 55.5
MIAR			eP	P	09 06 57.1 +0.9
CCM	Cathedral Cave	25.17 338	eP	P	09 07 08.2 -1.2
CCM			eP	P	09 07 22.3 -3.2
CCM			eP	P	09 08 05.5 -0.3
CCM			eP	P	09 08 33.0 +2.6
PDAR	Pinedale Array	35.48 332	P	P	09 08 37.0 +0.1
PDAR			eP	P	09 08 53.5 -0.4
HWUT	Hardware Ranch	35.56 329	eP	P	09 08 37.7 +0.1
AHID	Auburn Hatcher	36.20 331	P	P	09 08 43.0 -0.1
NVAR	Mina Array Bea	37.34 319	P	P	09 08 53.5 +0.9
NVAR			eP	P	09 09 10.9 +1.2
NVAR			eP	P	09 14 53.8
NVAR			eP	P	09 08 55.8 -3.5
ULM	Lac du Bonnet	38.15 352	P	P	09 09 14.7 -1.7
ULM			eP	P	09 09 14.7 -1.7
ULM			eP	P	09 26 18.0
MCMT	McKenzie Canyo	38.58 331	eP	P	09 09 03.9 +0.9
MCMT			eP	P	09 09 20.6 +0.6
NEW	Newport	43.11 331	eP	P	09 09 41.9 +1.7
NEW			eP	P	09 09 41.9
SCHO	Schefferville	45.30 17	P	P	09 09 55.3 -2.4
SCHO			eP	P	09 10 13.2 -1.8
SCHO			eP	P	09 31 30.0
FRB	Frobisher Bay	52.90 11	P	P	09 10 52.5 -3.6
FRB			eP	P	09 11 10.3 -3.5
FRB			eP	P	09 10 52.5 -3.6
FRB			eP	P	09 11 10.3 -3.5
YKA	Yellowknife Arr	53.40 345	eP	P	09 10 56.8 -2.9
YKA			eP	P	09 11 14.3 -3.2
DLBC	Dease Lake	55.63 335	eP	P	09 11 16.1 0.0
DLBC			eP	P	09 11 33.4 -0.6
INK	Inuvik	62.97 343	P	P	09 12 04.2 -2.5
INK			eP	P	09 12 20.8 -4.1
INK			eP	P	09 12 04.2 -2.5
INK			eP	P	09 12 20.8 -4.1
ILAR	Eielson Array	65.75 336	eP	P	09 12 24.1 -0.5
ILAR			eP	P	09 12 39.2 -3.8
WRA	Warramunga Arr	138.89 254	PKP	PKP	09 21 08.1 +3.5
WRA			eP	P	09 21 26.7
ASAR	Alice Springs	185.91 248	PKP	PKP	09 21 08.2 +3.8
ASAR			eP	P	09 21 26.6

<p>Error ellipse: s-maj=2.5km s-min=1.2km az=86.0          NEIC 02 09:23:47.6, 44.77N, 6.22E, h15km, MD2.6(ROM),          ML3.1(LDG), ML3.1(GEN), ML2.7(STR), After GEN.          STR 02 09:23:48.8, 0.5, 44.69N, 7.50E, h10km, 1km, M12.7, Error          ellipse: s-maj=0.0km s-min=0.0km az=1.0          ISC 02 09:23:46.1, 0.2, 44.81N, 0.01x7.67E, 0.03, h19km, m70,          @1922/121, 3C-10D, Northern Italy</p>				
Code	Station Name	Δ° AZ°	Phase ID	Time Res h m s ISC
BHB	Bricherasio	0.29 277	Op	Pb 09 23 54.5 +2.0
DHI			S	Sb 09 23 57.3 +0.4
BOB	San Damiano	0.43 225J	J/PG	Pb 09 23 55.7 +0.9
DOI			SG	Pb 09 24 02.9 +2.1
DOI	San Damiano	0.43 225J	J/PG	Pb 09 23 55.7 +0.9
DOI			eS	Pb 09 24 02.9 +2.1
RSP	Reno Superiore	0.45 320	J/PG	Pb 09 23 56.6 +0.4
RSP			S	Pb 09 24 01.7 +0.4
PZZ	Prazzo	0.51 233	J/PG	Pb 09 23 56.6 +0.5
PZZ			S	Pb 09 24 01.6 -1.4
OG22	Abries	0.52 272	Pg	Sb 09 23 57.5 +1.2
OG22			S	Pb 09 24 01.2 -2.0
ROB	Roburent	0.54 164	J/PG	Pb 09 23 58.0 +1.3
ROB			S	Pb 09 24 03.9 0.0
ENR	Entraçque	0.61 197	J/PG	Pb 09 23 58.4 +0.5
ENR			S	Pb 09 24 04.4 -1.6
STV2	Anna di Valdie	0.61 204	J/PG	Pb 09 23 58.2 +0.2
STV2			S	Pb 09 24 11.6 -0.5
STV	Sta Anna Valdi	0.62 204	S	Pb 09 23 58.3 +0.3
STV			S	Pb 09 24 04.2 -2.0
RRL	Cesana Torines	0.64 280	S	Pb 09 23 59.8 +1.5
MBDF	Montbardonn	0.64 263	eP	Pb 09 23 59.7 +1.2
MBDF			eS	Pb 09 24 08.1 +1.1
PCP	Pian Castagno	0.68 113	J/PG	Pb 09 24 00.6 +1.5
SURF	Saint Ours	0.69 242	Pg	Sb 09 23 59.8 +0.5
SURF			S	Pb 09 24 03.9 -4.5
MOONE	Monesi	0.73 175	Pg	Pb 09 24 05.0 +0.9
BNE	Bardonecchia	0.74 289	eP	Pb 09 24 05.1 +1.6
BNI			eP	Pb 09 24 05.5 +4.0
BNI			eS	Pb 09 24 11.4 +1.6
LSD	Ceresole Reale	0.74 331	P	Pb 09 24 01.4 +1.2
SAOF	Saorge	0.83 186	Pg	Sb 09 24 02.0 +0.4
SAOF			eS	Pb 09 24 11.6 -0.6
AUTN	L'Aution	0.83 192	J/PG	Pb 09 24 01.8 +0.1
AUTN			S	Pb 09 24 12.8 +0.4
ORO	Oropa	0.85 15	eP	Pb 09 24 02.2 -0.8
ORO			S	Pb 09 24 14.4 -0.5
ORO			S	Pb 09 24 02.2 +0.3
ORO			eS	Pb 09 24 14.4 +1.5
TOUF	Mont Tourneraï	0.85 201	Pg	Pb 09 24 01.9 -0.1
IMI	Imperia	0.91 170	eP	Pb 09 24 03.7 -0.2
IMI			S	Pb 09 24 15.4 -1.2
IMI	Imperia	0.91 170	P	Pb 09 24 03.7 +0.7
LPG	La Plagne	0.95 317	eP	Pb 09 24 05.7 +2.1
LPG			eS	Pb 09 24 19.3 +3.6
AURF	Auriere	0.95 195	Pg	Pb 09 24 03.4 -0.3
SBF	Sospel	0.96 190	eP	Pb 09 24 03.9 -0.7
SBF			eS	Pb 09 24 15.6 -0.5
NEGI	Negun	0.96 178	J/PG	Pb 09 24 03.4 +0.5
LPL	La Plagne	0.97 317	eP	Pb 09 24 06.0 +2.0
LPL			eS	Pb 09 24 20.2 +3.8
MVJ	Mont Vial	0.98 202	Pg	Pb 09 24 04.0 -0.3
REVF	Revere	1.09 192	Pg	Pb 09 24 06.8 +0.7
MCGN	Macugnaga	1.17 11	eP	Pb 09 24 07.1 -0.5
MCGN	Macugnaga	1.17 11	eP	Pb 09 24 07.1 -0.4
CALN	Calern	1.22 208	Pg	Pb 09 24 08.0 0.0
CALN			Pb	Pb 09 24 08.4 +0.5
OC25	Le Claire	1.22 249	Pg	Pb 09 24 09.9 +1.5
BOB	Bobbio (Coli)	1.27 91	eP	Pb 09 24 07.3 -1.7
BOB	Bobbio (Coli)	1.27 91	eP	Pb 09 24 07.2 -1.7
ORIF	Oris-en-Rattie	1.28 276	eP	Pb 09 24 10.6 +1.5
ORIF			eS	Pb 09 24 11.5 +2.4
ORIF			eS	Pb 09 24 28.2 +2.4
VAI	Varese	1.31 36	eP	Pb 09 24 08.4 -1.2
VAI	Varese	1.31 36	eP	Pb 09 24 08.4 -1.2
FRF	La Foret Royal	1.45 211	eP	Pb 09 24 11.5 -0.1
FRF			eS	Pb 09 24 15.6 -0.5
FRF			eS	Pb 09 24 28.5 -1.7
TAVF	Tavernes	1.66 225	Pn	Pb 09 24 15.1 +0.5
TAVF			S	Pb 09 24 37.5 +1.9
LMR	La Mourre	1.69 210	eP	Pb 09 24 14.4 -2.0
LMR			eS	Pb 09 24 14.4 -2.0
VILF	Villems	1.70 236	Pg	Pb 09 24 18.4 +3.3
SMRF	Simiane la Rot	1.72 242	eP	Pb 09 24 15.3 -0.1
SMRF			eP	Pb 09 24 18.2 +2.9
SMRF			eS	Pb 09 24 36.5 -0.5
SMRF			eS	Pb 09 24 40.5 +3.5
PUYF	Puyulubier	1.91 229	Pn	Pb 09 24 18.6 +0.5
CABF	La Chapelle	2.12 329	eP	Pb 09 24 22.9 +1.1
CABF			eP	Pb 09 24 26.7 +5.6
CABF			eS	Pb 09 24 48.3 +1.2
VIVF	Saint-Julien-l	2.13 272	eP	Pb 09 24 21.7 +0.3
VIVF			eS	Pb 09 24 45.6 -1.9
PGF	Pioggiola	2.46 156	eP	Pb 09 24 23.8 -2.2
PGF			eS	Pb 09 24 50.8 -5.0
LASF	Ste Croix	2.83 256	eP	Pb 09 24 30.9 -0.4
LASF			eS	Pb 09 25 02.1 -3.1

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like PLAL Pickwick Lake, LTX Lajitas, MYNC Murphy, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like RSSD Black Hills, MPU Maple Canyon, DAU Daniels Canyon, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like BDFB Fort Churchill, FCC Fort Churchill, CPUP Villa Florida, etc.

KRSC 02:09:40:56.6, 1.6, 51.58N, 159.66E, h9km, 6km, ML4.3
MOS 02:09:40:58.4, 1.3, 51.63N, 159.72E, h43km, mb4.0, 1. Error
ellipse: s-major=69.7km s-minor=20.2km az=90.8
ISC 02:09:40:56.3-1.6, 51.54N, 0.06=159.7E, 0.1, h9km, 15km,
n25, r15/37, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Russkaya, Gorelyy, Mys Shipunski, Karymshinskiy, Petropavlovsk, Uglovaya, Somma, Pauzhetka, Avacha, Koryaka, Apacha, Ganaly, Severo-Kuril's, Mys Kozlova, Kamenistaya, Zelenaya, Loginovaya, Tsirik, Krutoberegovo, Krutoberegovo, Bering.

IDC 02 09:59:25.8, 6. 17.09S-177.19W, mb3.7/3, mb1 4.0/3, mb1mx3.7/10, Error ellipse: s-maj=381.0km, s-min=38.2km az=142.0, Fiji Islands region

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

MAN 02 10:18:58.9, 8. 19N-123. 10E, mb5.3, ML4.3, MS4.5 MAN F DIPOLOG CITY INTENSIVE III, IDC 02 10:18:59.5, 1. 1, 8.26N-123.32E, mb4.4/9, mb1 4.5/9, mb1mx4.4/16, MS3.7/4, Ms1 3.8/4, ms1mx3.5/23, Error ellipse: s-maj=40.9km s-min=26.4km az=78.0

ISC 02 10:18:59.8, 1.0, 8.17N-123.19E, 0.4, h0km, 7km, n51, c159/62, mb4.7/14, MS3.8/3, 4C-4D, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Pagadian, Dipolog City, Sibulan, Cotabato-PC H, Tagbilaran, Kidapawan, Lapu-Lapu, Jordan, Butuan, Maasin, Anini-y, Davao City (W), General Santos, Surigao, BIPH, Ormoc, Roxas, Palo, Kalibo, Borongan, Masbate, Orlongan, Puerto Princes, San Jose, Coron, Virac, Lubang, Tagaytay City, Chantaburi, Khan Khaen, Nan, Chiangrai, Chiang Mai, Alice Springs, Asahikawa, Gumbra, Pulchoki, Kakani, Daman, Gorkha, Koldanda, Damsang, Makanochi Array, Rata Peaks, Urewera, Borovoye Array, Eielson Array, Jibal, Spitsbergen Ar, ARCES Array B, FINES Array B, Hagfors, Lobatse, Big Grassy Mou.

NEIC 02 10:19:57.4, 3.4, 2.73N-128.71E, h254km, 35km, mb4.4/7, Error ellipse: s-maj=28.0km s-min=10.0km az=68.0

ISC 02 10:19:54.6, 2.2, 2.74N, 0.0, 128.7E, 0.1, h238km, 21km, n31, c070/31, mb4.4/24, 1C, Halmahera

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Kakadu, Fitzroy Crossi, Warramunga Arr, WRA, ASAR, ENH, MAT, STKA, BJT, ASAJ, LSA, GTA, GUN, PUKI, KKN, DMN, GKN, KOLN, DANN, MKAR, RPZ, URZ, ILAR, ASF, SPITS, ARCES, FINES, HFS, LBTB, BGU.

KRSC 02 10:25:22.6, 0.8, 51.62N-159.59E, ML3.8, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Russkaya, GRL, GRL, Mys Shipunski, Karymshinskiy, Petropavlovsk, Uglrovaya, Somma, Avacha, Pauzhetka, Koryaka, Apacha, GNL, SKR, Severo-Kuril's, KMNr, KBNr, Bering, KALP, BESP, MWHF, OTRP, PPR, SJMP, ENPP, BUSEP, PVCP, LUBP, TGAY, Chantaburi, Khan Khaen, Nan, Chrt, CHG, ASAR, ASAJ, GUN, PKI, KKN, DMN, GKN, KOLN, DANN, MKAR, ARCES, SPITS, KMBO, MLR, NOA, YKA.

NEIC 02 10:27:46.8, 0.5, 1. 194N-86.52W, mb4.3/5, Error ellipse: s-maj=25.0km s-min=8.4km az=57.0

IDC 02 10:27:46.4, 0.9, 1. 37N-166.50W, h34km, 5km, mb3.8/12, IDC 02 10:27:46.4, 0.9, 1. 37N-166.50W, h34km, 5km, mb3.8/12, ms1mx3.3/21, Error ellipse: s-maj=35.2km s-min=10.0km az=55.0

CASC 02 10:27:47.2, 2.5, 1. 64N-87.01W, h26km, 9km, MD4.4, ML4.1, mb4.3(NEIC)

ISC 02 10:27:46.6, 0.3, 1. 61N-0.03, h36km, h36km, 1, 3km, pp-P, n1, c110/80, mb4.1/16, MS3.8/5, 11C-17D, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like COPN, PYN, LEON, CRUN, MIRN, CNCH, APYN, MOMOTO, MNGM, MGAN, MASN, TEL3, TELN, WLN, WLN, APYO, CRIN, COFR, PYTN, CONN, CRZC, CNCH, VCR, BLML, VSL, CAHU, JTS.

comp=N, 47nm, 0.3s, baz=0.2, slow=20, SNR=7.4

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JTS, JuntasAbangare, Jicaral, FORC, La Ceiba, El Faro, Cerro Gallo 2, Volcan Poas 2, Puriscal, San Blas, Bijagua, Escuela Geolog, TRTC, La Lucha 2, Marmol, El Rosal, Hockley, Lajitas, TXAR, MIAR, WMOK, LPAZ, LPZAD, SADO, SRU, PDAR, PDAR, HWUT, NVAR, ULM, SCHO, SCHO, BDFB, BDFB, FCC, CPUP, FRB, YKA, ALBA, ILAR, ILAR, VRAC, VAE, ASAR, WRA.

DJA 02 10:29:52.7, 0.8, 9. 13S-115.36E, h80km, MD5.5/3, ML3.5/2, 6C-2D, Error ellipse: s-maj=28.1km s-min=9.4km az=2.0, South of Bali

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like INGI, RATI, RATI, KEDI, KELI, KELI.

NEIC 02 10:52:26.3, 0.6, 36.69N-73.09E, mb4.5/4, Error ellipse: s-maj=14.7km s-min=12.6km az=90.0

IDC 02 10:52:26.1, 0.6, 36.77N-73.22E, h18km, 3km, mb4.1/13, mb1 4.2/15, mb1mx4.2/18, ML3.6/2, MS3.5/2, Ms1 3.5/2, ms1mx3.2/18, Error ellipse: s-maj=20.2km s-min=13.6km az=55.0

MOS 02 10:52:27.0, 1.5, 36.74N-73.31E, h33km, mb4.6/9, Error ellipse: s-maj=17.0km s-min=8.7km az=95.4

BUI 02 10:52:29.4, 36.79N-73.49E, h19km, mb4.9, mb4.3, ML4.4, h19km, 1.6km, 3, MS3.9

NNC 02 10:52:30.8, 7. 36.74N-72.84E, h125km, 71km, mpv4.2, Error ellipse: s-maj=81.4km s-min=45.8km az=37.0

ISC 02 10:52:25.6, 0.3, 36.68N-0.02, 73.34E, 0.06, h19km, h19km, 1.6km, pp-P, n94, c169/122, mb4.2/22, MS3.9/4, 9C-8D, Northwestern Kingdom

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like CHCP, CHCP, CHCP, THW, DLH, THN, SARP, SBPD, PONG, AML, DRP, KZA, UCH, BHK, SDNR.

Table of satellite data for 2d 11h, including columns for station name, frequency, polarization, and other parameters.

Main table of satellite data for 2004 MAR, including columns for GNI, GNI, GNI, and various station names like Erkin-Say, Ulahol, etc.

Table of satellite data for 2004 MAR, including columns for SUF, SUF, SUF, and various station names like Erkin-Say, Ulahol, etc.







Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like CLL, CLM, COLM, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like FRF, LMR, SSF, SMF, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like DPW, WALA, SHW, WAHZ, etc.

IDC 02 12:37.34.1:0.6,37.51N:96.73E, mb4.3/23, mb1 4.4/24, mb1mx4.4/24, ML4.1/1. Error ellipse: s-maj=20.7km s-min=15.2km PKP

Table with columns: Code, Station Name, Azimuth, Elevation, Op, Phase ID, Time, Hrs, and other parameters. Includes stations like GAT, GATa, GATb, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like Gorron, Warramunga, Inuvik, Saint Gilles, Alice Springs, etc.

CASC 02 12:42:04.0.2.1, 7.40N-82.79W, h31km, g9km, MD3.9, 1C, South of Panama

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like Petroterminal, David, Cerro Adams, Buena Vista, etc.

TIF 02 12:49:55.6, 41.90N-44.37E, h10km, Mpv3.5, 2C-1D, Western Caucasus

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like Delisi, Cerro Adams, Buena Vista, etc.

DJA 02 12:54:57.0, 9.85S-116.30E, h12km, g6km, MD4.7/4, ML4.6/2, 6C-2D, Error ellipse: s-maj=31.9km, s-min=15.7km, az=174.0, Sumbawa region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like Kedondong, Rata, Rati, etc.

DJA 02 13:03:04.6, 0.9, 9.53S-115.30E, h12km, g4km, MD4.8/2, ML4.1/2, 8C, Error ellipse: s-maj=16.6km, s-min=9.9km, az=2.0, South of Bali

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like Ingas, Rata, Kedondong, etc.

MDD 02 13:21:45.4, 2.7, 35.36N-4.05W, h8km, g23km, mb3.9/4, Error ellipse: s-maj=22.3km, s-min=12.4km, az=33.0, PRXIMO SIN SOLUCIN AftershockPLICA

ISC 02 13:21:43.5, 2.4, 35.39N-0.09, 4.1W, 0.1, h8km, n4, 0e/47/8, Strait of Gibraltar

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like Melilla, Alboran, Rata, etc.

ISC 02 13:25:08.2, 6.4, 14.20S-75.05W, mb3.8/3, mb1 4/1, mb1mx3.8/4, ML3.6/1, MS3.2/2, M5.1 3.2/2, ms1mx3.0/20, Error ellipse: s-maj=90.6km, s-min=21.6km, az=29.0, PRXIMO SIN SOLUCIN AftershockPLICA

ISC 02 13:25:05.4, 4.9, 15.6S-110.75W, 0.4, h33km, n7, 0e/52/5, mb3.8/3, MS3.1/2, Near coast of Peru

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like La Paz, CPUP, BDFB, etc.

NEIC 02 13:44:20.3, 0.9, 14.47N-92.03W, mb3.9/2, Error ellipse: s-maj=27.7km, s-min=12.4km, az=50.0, IDC 02 13:44:20.2, 1.2, 14.60N-91.95W, h25km, g4km, mb3.8/9, mb1 4/0/1, mb1mx3.9/19, ML3.6/2, MS3.7/1, M5.1 3.7/1, ms1mx2.8/22, Error ellipse: s-maj=45.4km, s-min=18.7km

az=52.0, CASC 02 13:44:32.5, 2.2, 14.84N-91.54W, h28km, MD4.2, ML3.8, mb3.9(NEIC)

ISC 02 13:44:21.4, 1.0, 14.7N-0.1, 92.16W, 0.09, h28km, n32, 0r175/39, mb4.0/9, MS3.8/1, 1C, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like Jato, FUG, IKG, etc.

TXAR 02 13:44:32.5, 2.2, 14.84N-91.54W, h28km, MD4.2, ML3.8, mb3.9(NEIC)

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like Lajitas Array, TXAR, MIAR, etc.

NVAR 02 13:44:32.5, 2.2, 14.84N-91.54W, h28km, MD4.2, ML3.8, mb3.9(NEIC)

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like SADO, NVAR, MCMT, etc.

YKA 02 13:44:32.5, 2.2, 14.84N-91.54W, h28km, MD4.2, ML3.8, mb3.9(NEIC)

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like YKA, YKVA, YKVB, etc.

NEIC 02 13:52:12.7, 35.27N-3.98W, MG3.4(MDD), After MDD, MDD 02 13:52:13.2, 1.7, 35.22N-3.95W, h9km, g19km, mb4.0/5, Error ellipse: s-maj=11.8km, s-min=6.9km, az=179.0, PRXIMO AftershockPLICA, Strait of Gibraltar

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like Melilla, Alboran, EALB, etc.

BER 02 14:06:59.0, 2.9, 59.74N-17.59E, ML2.0(NAO), NAO 02 14:06:57.0, 1.3, 59.58N-17.57E, ML2.0, Sweden

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like HFS, FIAO, ARAO, etc.

IDC 02 14:15:29.1, 3.3, 34.90S-179.64W, mb3.9/2, mb1 4/1/3, mb1mx4.0/9, ML3.7/1, Error ellipse: s-maj=72.0km, s-min=45.9km, az=124.0

ISC 02 14:15:36.4, 2.9, 35.1S-0.1, 179.9E-0.3, h43km, g24km, n8, 0e/47/9, mb3.7/2, Off east coast of North Island

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like PUK, PUZ, NOZ, etc.

BER 02 14:23:08.7, 2.6, 58.32N-6.42E, MD2.2, ML1.6, ML1.9(NAO), Explosion

NAO 02 14:23:12.0, 8.1, 58.71N-6.33E, h11km, g41km, ML1.9, ISC 02 14:23:08.8, 0.8, 58.53N-0.05, 6.63E, 0.07, n14, 0r194/24, 1C, Southern Norway

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like SNART, BLSS, etc.

BLSS 02 14:23:08.7, 2.6, 58.32N-6.42E, MD2.2, ML1.6, ML1.9(NAO), Explosion

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like KMY, EGD, EGD, etc.

KONO 02 14:23:08.7, 2.6, 58.32N-6.42E, MD2.2, ML1.6, ML1.9(NAO), Explosion

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like RUND, ASKY, ASKY, etc.

HYA 02 14:23:08.7, 2.6, 58.32N-6.42E, MD2.2, ML1.6, ML1.9(NAO), Explosion

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like HYA, SUE, SUE, etc.

DOMB 02 14:23:08.7, 2.6, 58.32N-6.42E, MD2.2, ML1.6, ML1.9(NAO), Explosion

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like DOMB, HFS, HFS, etc.

MDD 02 14:56:18.7, 0.9, 35.15N-3.98W, mb4.1/24, Error ellipse: s-maj=9.4km, s-min=4.0km, az=14.0, PRXIMO AftershockPLICA

NEIC 02 14:56:18.4, 35.08N-3.96W, h5km, MG4.2(MDD), After MDD, INMG 02 14:56:18.9, 1.1, 34.95N-3.96W, h34km, g11km, ML2.8, Error ellipse: s-maj=4.2km, s-min=2.5km, az=179.0, ISC 02 14:56:18.8, 0.7, 35.10N-0.04, 4.00W-0.03, h34km, n40, 0r129/77, Strait of Gibraltar

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like EMEL, MELI, EALB, etc.

Table with columns: ETOB, Tobarra, 4.05 28 P, P, 14 57 20.6+0.6, etc. Includes various station codes and coordinates.

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

Table with columns: HUR, TRF, Thorofore Mountain, 1.02 24 P, S, 17 51 19.8, etc. Includes stations like KTH, KTH, KTH, etc.

DJA 02 15:16:31.1.1.1, 8.78S, 114.32E, h142km, 9km, MD5.6/2, ML3.5/1, 6C, Error ellipse: s-maj=50.1km s-min=19.2km az=25.0, Ball region

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

NEIC 02 15:34:26.34.5.46.47N, 71.02E, h234km, 37km, Error ellipse: s-maj=38.2km s-min=15.3km az=218.0

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

ILAR 02 17:59:52.1.1.1.1, 0.73N, 84.89W, h77km, 46km, mb3.5/4, mb1.3/8.4, mb1mx3.5/16, Error ellipse: s-maj=90.6km s-min=47.4km az=178.0

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

NNC 02 15:34:31.0.3.4.37.09N, 70.78E, h220km, 29km, mpv3.7, Error ellipse: s-maj=35.6km s-min=24.8km az=38.0

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

JMA 02 17:26:22.9.0.3.44.00N, 148.24E, M3.9, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NEM2 Nemuro 2, JRA Rausu, etc.

CASC 02 17:59:53.2.2.1.1, 0.66N, 85.61W, h52km, 14km, MD4.2, ML3.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CRZC La Cruz, VCR Vista de Mar, etc.

DHMR 02 17:32:12.0.1.2.12.00N, 44.05E, h7km, 8km, MD3.6, ML3.4, 3D, Western Gulf of Aden

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

MAN 02 17:34:00.8.2.20N, 123.29E, h2km, mb4.8, ML3.7, MS3.6, 1D, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PAGZ Pagadian, DCPH Dipolog City, etc.

NEIC 02 17:50:46.4.62.51N, 151.22W, h88km, After AEIC, IDC 02 17:50:48.4.5.7.62.82N, 151.14W, h110km, 48km, mb2.8/1, mb1.3/2.4, mb1mx3.1/17, Error ellipse: s-maj=51.1km s-min=22.3km az=39.0

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

NEIC 02 17:50:45.0.0.4.62.53N, 0.02E, 151.20W, 0.07, h102km, 4km, mb7.09, mb3.2/2, Central Alaska

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

NEIC 02 17:50:46.4.62.51N, 151.22W, h88km, After AEIC, IDC 02 17:50:48.4.5.7.62.82N, 151.14W, h110km, 48km, mb2.8/1, mb1.3/2.4, mb1mx3.1/17, Error ellipse: s-maj=51.1km s-min=22.3km az=39.0

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

NEIC 02 17:50:46.4.62.51N, 151.22W, h88km, After AEIC, IDC 02 17:50:48.4.5.7.62.82N, 151.14W, h110km, 48km, mb2.8/1, mb1.3/2.4, mb1mx3.1/17, Error ellipse: s-maj=51.1km s-min=22.3km az=39.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAN 02 17:34:00.8.2.20N, 123.29E, h2km, mb4.8, ML3.7, MS3.6, 1D, Mindanao

NEIC 02 17:50:46.4.62.51N, 151.22W, h88km, After AEIC, IDC 02 17:50:48.4.5.7.62.82N, 151.14W, h110km, 48km, mb2.8/1, mb1.3/2.4, mb1mx3.1/17, Error ellipse: s-maj=51.1km s-min=22.3km az=39.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAN 02 17:34:00.8.2.20N, 123.29E, h2km, mb4.8, ML3.7, MS3.6, 1D, Mindanao

NEIC 02 17:50:46.4.62.51N, 151.22W, h88km, After AEIC, IDC 02 17:50:48.4.5.7.62.82N, 151.14W, h110km, 48km, mb2.8/1, mb1.3/2.4, mb1mx3.1/17, Error ellipse: s-maj=51.1km s-min=22.3km az=39.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAN 02 17:34:00.8.2.20N, 123.29E, h2km, mb4.8, ML3.7, MS3.6, 1D, Mindanao

NEIC 02 17:50:46.4.62.51N, 151.22W, h88km, After AEIC, IDC 02 17:50:48.4.5.7.62.82N, 151.14W, h110km, 48km, mb2.8/1, mb1.3/2.4, mb1mx3.1/17, Error ellipse: s-maj=51.1km s-min=22.3km az=39.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAN 02 17:34:00.8.2.20N, 123.29E, h2km, mb4.8, ML3.7, MS3.6, 1D, Mindanao

NEIC 02 17:50:46.4.62.51N, 151.22W, h88km, After AEIC, IDC 02 17:50:48.4.5.7.62.82N, 151.14W, h110km, 48km, mb2.8/1, mb1.3/2.4, mb1mx3.1/17, Error ellipse: s-maj=51.1km s-min=22.3km az=39.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAN 02 17:34:00.8.2.20N, 123.29E, h2km, mb4.8, ML3.7, MS3.6, 1D, Mindanao

NEIC 02 17:50:46.4.62.51N, 151.22W, h88km, After AEIC, IDC 02 17:50:48.4.5.7.62.82N, 151.14W, h110km, 48km, mb2.8/1, mb1.3/2.4, mb1mx3.1/17, Error ellipse: s-maj=51.1km s-min=22.3km az=39.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAN 02 17:34:00.8.2.20N, 123.29E, h2km, mb4.8, ML3.7, MS3.6, 1D, Mindanao

NEIC 02 17:50:46.4.62.51N, 151.22W, h88km, After AEIC, IDC 02 17:50:48.4.5.7.62.82N, 151.14W, h110km, 48km, mb2.8/1, mb1.3/2.4, mb1mx3.1/17, Error ellipse: s-maj=51.1km s-min=22.3km az=39.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAN 02 17:34:00.8.2.20N, 123.29E, h2km, mb4.8, ML3.7, MS3.6, 1D, Mindanao

NEIC 02 17:50:46.4.62.51N, 151.22W, h88km, After AEIC, IDC 02 17:50:48.4.5.7.62.82N, 151.14W, h110km, 48km, mb2.8/1, mb1.3/2.4, mb1mx3.1/17, Error ellipse: s-maj=51.1km s-min=22.3km az=39.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAN 02 17:34:00.8.2.20N, 123.29E, h2km, mb4.8, ML3.7, MS3.6, 1D, Mindanao

NEIC 02 17:50:46.4.62.51N, 151.22W, h88km, After AEIC, IDC 02 17:50:48.4.5.7.62.82N, 151.14W, h110km, 48km, mb2.8/1, mb1.3/2.4, mb1mx3.1/17, Error ellipse: s-maj=51.1km s-min=22.3km az=39.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAN 02 17:34:00.8.2.20N, 123.29E, h2km, mb4.8, ML3.7, MS3.6, 1D, Mindanao

NEIC 02 17:50:46.4.62.51N, 151.22W, h88km, After AEIC, IDC 02 17:50:48.4.5.7.62.82N, 151.14W, h110km, 48km, mb2.8/1, mb1.3/2.4, mb1mx3.1/17, Error ellipse: s-maj=51.1km s-min=22.3km az=39.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAN 02 17:34:00.8.2.20N, 123.29E, h2km, mb4.8, ML3.7, MS3.6, 1D, Mindanao

NEIC 02 17:50:46.4.62.51N, 151.22W, h88km, After AEIC, IDC 02 17:50:48.4.5.7.62.82N, 151.14W, h110km, 48km, mb2.8/1, mb1.3/2.4, mb1mx3.1/17, Error ellipse: s-maj=51.1km s-min=22.3km az=39.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAN 02 17:34:00.8.2.20N, 123.29E, h2km, mb4.8, ML3.7, MS3.6, 1D, Mindanao

NEIC 02 17:50:46.4.62.51N, 151.22W, h88km, After AEIC, IDC 02 17:50:48.4.5.7.62.82N, 151.14W, h110km, 48km, mb2.8/1, mb1.3/2.4, mb1mx3.1/17, Error ellipse: s-maj=51.1km s-min=22.3km az=39.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAN 02 17:34:00.8.2.20N, 123.29E, h2km, mb4.8, ML3.7, MS3.6, 1D, Mindanao

NEIC 02 17:50:46.4.62.51N, 151.22W, h88km, After AEIC, IDC 02 17:50:48.4.5.7.62.82N, 151.14W, h110km, 48km, mb2.8/1, mb1.3/2.4, mb1mx3.1/17, Error ellipse: s-maj=51.1km s-min=22.3km az=39.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAN 02 17:34:00.8.2.20N, 123.29E, h2km, mb4.8, ML3.7, MS3.6, 1D, Mindanao

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like KCP Kidapawan, BUTP Butuan, PAGZ Pagadian, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like JHJ Mitsune, BSO1 Boso 1, BSO3 Boso 3, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like AAP Anini-y, GUIM Jordan, CUYO Cuyo Island, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like AML Almayashu, THN Thein Dam, UCH Uchtor, etc.

NIED 02 19:37:00.42.90N.146.50E, h17km, Mw5.1 Best double couple: Ms5.9x10^16 NP1.9x347', δ61°, λ53°. NP2.φ224', δ45°, λ138'. JMA 02 19:37:57.0.0.2, 42.88N.146.52E, h37km, 2km, Ms5.4 JMA Felt II J1. BUJ 02 19:37:57.8.42.97N.146.22E, h28km, mb5.2, mB5.4, Ms5.1, Msz4.9 SKHL 02 19:37:57.3.2.4, 42.90N.146.60E, h34km, 2km, mb5.3/9, mbh6.1/1, mbv5.8/5, ms5.1/7, msh5.6/6 MOS 02 19:37:59.9.0.9, 43.06N.146.31E, h45km, mb5.4/30, Ms5.0/31, Error ellipse: s-maj=9.5km s-min=4.8km az=107.4 MOS Felt (III) at Yuzhno-Kuril'sk. NEIC 02 19:38:00.1.0.1, 42.93N.146.29E, mb5.2/91, MS4.8/13, Error ellipse: s-maj=3.8km s-min=2.8km az=153.0 NEIC Felt (III) at Yuzhno-Kuril'sk, Kunashir. Recorded [2 JMA] in eastern Hokkaido. HRVD 02 19:38:00.1.0.2, 42.97N.146.38E, h21km, MW5.1/66, Centroid moment Tensor Solution. LP body waves: s36,c52;Mantle waves: s66,c114; Half duration: 0 Moment tensor: Scale 10^16Nm; Mw: 4.0±.23; M0: 1.19±.16; Mw-5.2±.16; Mw-1.7±.32; Mw-2.8±.11; Mw-2.5±.26; Best double couple: Ms6.32x10^16 NP1.φ231', δ45°, λ140°. NP2.φ352', δ63°, λ53°. Principal axes: T 6.01, P1g55', Azm123'; N 6.2, P1g33'; Azm111'; P-6.63, P1g10', Azm108'; nsta1 refers to body waves, cutof=40s. nsta2 refers to surface waves, cutof=50s. IDC 02 19:38:02.9.1.8, 42.91N.146.42E, h65km, 15km, mb4.7/19, mb1 4.9/23, mb1mx4.9/24, MS4.6/17, Ms1 4.6/17,

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like NEM2 Nemuro 2, AKKeshi, Yuzh-Kuril'sk, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like JNK Nakash, JRA Rausu, JAR Onbets, etc.

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

UGL Uglegorsk 6.94 336 eP P 19 39 40.0 -0.0 UGL 19 39 41.0 UGL pP AMB 19 39 49.5 UGL 19 39 52.0 UGL A 19 41 23.0 UGL comp=E,4μm,5.0s A 19 41 23.0 UGL comp=E,3μm,5.0s AMS AMS 19 45 52.0 UGL comp=E,2μm,12.0s AMS AMS 19 45 52.0 UGL comp=E,3μm,12.0s AMS AMS 19 45 52.0 UGL comp=E,2μm,12.0s AMS AMS 19 45 52.0 UGL Uglegorsk 6.94 336 ePN P 19 39 40.0 0.0 UGL 19 41 03.0 UGL pmax pmax UGL comp=Z,82nm,0.9s pmax pmax UGL comp=Z,1μm,4.0s smax UGL comp=N,4μm,5.0s smax UGL comp=E,3μm,5.0s smax JNS Tetsu Ternei 7.34 229 eP P 19 39 44.0 -1.6 JNS 19 39 47.0 +0.8 JNS 19 41 25.0 JNS comp=E,1μm,3.0s A 19 41 25.0 TEY A 19 41 25.0 TEY comp=E,5μm,3.0s eLR LR 19 42 05.0 TEY AMS AMS 19 43 13.0 TEY AMS AMS 19 43 13.0 TEY comp=E,11μm,14.0s AMS AMS 19 43 13.0 TEY comp=E,2μm,12.0s AMS AMS 19 43 13.0 TEY comp=E,6μm,13.0s AMS AMS 19 43 13.0 JHK Hiroka 7.91 228 P P 19 39 51.6 -2.0 JAG Ashikaga 8.31 222 P P 19 39 56.1 -3.0 TYV Tymooskoe 8.44 344 eP P 19 39 59.0 -1.8 TYV 19 40 08.0 TYV comp=E,90nm,1.0s A 19 41 49.0 TYV A 19 41 49.0 TYV comp=E,1μm,8.0s A 19 41 49.0 TYV comp=E,900nm,7.0s A 19 41 49.0 TYV AMS AMS 19 43 26.0 TYV AMS AMS 19 43 26.0 TYV comp=E,7μm,16.0s AMS AMS 19 43 26.0 TYV comp=E,8μm,16.0s AMS AMS 19 43 26.0 TYV Tymooskoe 8.44 344 ePN P 19 39 59.0 -1.8 TYV S 19 41 40.0 +1.4 TYV pmax pmax TYV comp=Z,90nm,1.0s smax TYV comp=E,1μm,8.0s smax TYV comp=N,900nm,7.0s MLR MLR TYV 19 39 09.7 +3.2 TYV 19 38 38.5 +1.2 TYV 19 38 37.1 -2.4 MAJO Matushiro 8.87 228 iPN P 19 40 04.8 -2.1 MAT Matushiro 8.87 228 P P 19 40 04.9 -2.0 MAT S 19 41 44.4 -2.3 MAT Matushiro 8.87 228 P P 19 40 05.0 -1.9 MAT 19 40 05.0 -1.9 MAT 8.87 228 ePN Pmax pmax MAT comp=Z,235nm,0.9s 8.87 228 eP P 19 40 05.0 -1.9 MAT comp=Z,235nm,0.9s eS S 19 41 44.0 -2.7 MAT Ryogami san 8.91 223 P P 19 40 04.4 -3.0 JNG Nsakai 9.03 228 P P 19 40 07.0 -2.0 JGN Niukaw 9.60 230 P P 19 40 15.4 -1.4 JNY Yasuok 9.95 224 P P 19 40 19.7 -2.0 SKR Severo-Kuril's 10.32 37 eP P 19 40 22.0 -4.8 SKR 19 40 25.5 SKR comp=Z,60nm,0.6s AMB AMB 19 40 25.5 SKR comp=Z,90nm,0.6s AMB AMB 19 40 25.5 SKR comp=Z,100nm,0.6s eS A 19 42 30.1 SKR comp=Z,90nm,0.7s A 19 42 30.1 SKR comp=Z,70nm,0.7s AMS AMS 19 45 16.0 SKR comp=Z,3μm,14.0s AMS AMS 19 45 16.0 SKR comp=Z,8μm,14.0s AMS AMS 19 45 16.0 SKR comp=Z,5μm,14.0s AMS AMS 19 45 16.0 SKR Severo-Kuril's 10.32 37 ePN Pmax pmax SKR 19 40 22.0 -4.8 SKR comp=N,60nm,0.6s pmax pmax SKR comp=E,90nm,0.6s pmax pmax SKR comp=Z,100nm,0.6s MLR MLR SKR comp=N,3μm,14.0s MLR MLR SKR comp=E,8μm,14.0s MLR MLR SKR comp=Z,5μm,14.0s MLR MLR VLA Vladivostok 10.61 277 iPN P 19 40 31.0 +0.3 VLA 19 42 33.0 +3.7 VLA pmax pmax VLA comp=N,500nm,4.0s pmax pmax VLA comp=E,1μm,4.0s pmax pmax VLA comp=Z,1μm,4.0s smax VLA comp=E,1μm,7.0s smax VLA comp=Z,2μm,7.0s MLR MLR VLA comp=E,3μm,14.0s MLR MLR VLA comp=Z,4μm,14.0s MLR MLR VLA 19 39 20.0 VLA 19 40 03.0 -3.7 VLA 19 40 08.0 OKH Okha 10.98 349 eP P 19 40 35.0 -0.7 OKH 19 40 35.2 OKH 19 40 39.1 OKH comp=N,300nm,1.3s AMB AMB 19 40 46.2 OKH comp=N,1μm,3.0s AMB AMB 19 40 46.2 OKH eLR AMS AMS 19 44 04.0 OKH AMS AMS 19 44 04.0 OKH comp=N,7μm,15.0s AMS AMS 19 45 54.4 OKH comp=N,8μm,15.0s AMS AMS 19 45 54.4 OKH comp=N,10μm,14.0s AMS AMS 19 45 54.4 OKH Okha 10.98 349 iPN P 19 40 35.2 -0.5 OKH Hachijo jima 2 10.98 210 P P 19 40 31.8 -4.0 OKH 19 42 26.9 -12 OKH comp=N,119nm,0.3s,baz=255,slow=22,SNR=9.1 LR LR 19 45 21.0 OKH comp=N,1μm,20.0s,baz=45,slow=40 P P 19 40 33.0 -3.2 OKH 11.01 342 iPN P 19 40 34.3 OKH comp=N,40nm,1.1s AMB AMB 19 40 34.3 OKL 19 40 39.0 OKL comp=N,55nm,1.1s AMB AMB 19 40 39.0 OKL 19 43 34.0 OKL 19 43 40.0 OKL comp=N,3μm,14.0s eL AMS AMS 19 45 40.0 OKL comp=N,4μm,15.0s AMS AMS 19 45 40.0 OKL KLR Kul'dur 12.00 307 ePN P 19 40 49.0 -0.5 OKL 19 43 14.0 OKL pmax pmax OKL comp=N,28nm,1.4s pmax pmax



2d 19h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like DPW, HAWA, NEW, WRAB, WRA, FITZ, etc.

2004 MAR

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like DOMB, AHID, ISA, NOA, FRB, etc.

2004 MAR

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like BRG, HASS, ANMO, VYHS, etc.

Table with columns: TXAR, Lajitas Array, 83.65 56 P, P, 19 50 25.3 +1.1, comp-z=2.8, 0nm, 0.9s, mb4.9, baz=288, slow=4.0, SNR=58

Table with columns: BRG, Berggiesshubel, 1.49 247 P, Pg, 19 51 40.5 +0.6, 2.2nm, 0.3s

IDC 02 20:08:57.9-1.2, 51.55N, 29.91W, mb3.6/15, mb1 3.9/15, mb1mx3.8/22, MS4.0/1, Mst 1.4/0.1, ms1mx3.1/21, Error ellipse: s-maj=37.6km s-min=13.9km az=4.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC, EMEL, Melilla, 0.86 90 P, S, 20 36 41.3 -0.8

DJA 02 14:28:3.0-0.9, 8.69S, -116.27E, h104km, 6km, MD4.6/2, ML3.6/1, 6C-2D, Error ellipse: s-maj=30.8km s-min=14.9km az=172.0, Sumbawa region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC, KEDI, Kedondong, 0.26 322 P, Pg, 20 14 43.0 -0.3

NEIC 02 20:25:04.9-2.0, 22.29S x 171.27E, h116km, 17km, mb4.3/1, Error ellipse: s-maj=24.6km s-min=13.4km az=54.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC, DZM, Mont Dzumac, 4.40 274 eP, P, 20 26 10.3 -0.7

IDC 02 20:25:07.6-2.2, 22.40S, 171.32E, h139km, 21km, mb3.8/5, mb1.0/6, mb1mx4.0/10, Error ellipse: s-maj=47.9km s-min=24.6km az=13.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC, DZM, Mont Dzumac, 4.40 274 eP, P, 20 26 10.3 -0.7

NEIC 02 19:51:10.1-1.0, 51.47N, 0.05x-16.11E, h11E, 0.04, n13, 0.1st/10/25, 1C, Poland

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC, KSP, Ksiaz, 0.64 170 ePg, P, 19 51 25.0 +2.1

Best double couple: M0.1x1016 NP1.0x117, 884, 1160, NP2.0x210, 670, 1.6, Principal axes: T 1.2544, P1g18, Azm17; N -3.066, P1g69, Azm282; P -9.478, P1g10, Azm165;

NEIC 02 20:36:26.8, 35.15N-3.87W, mb4.5/3, After MDD, IAG 02 20:36:26.35, 15N, 3.87W, h12km, Mw4.4, Moment Tensor Solution. Moment tensor: Scale 10^15Nm;

IGL 02 20:36:27.2-1.0, 35.16N-3.89W, h0km, 9km, mb4.9/39, Error ellipse: s-maj=12.1km s-min=4.6km az=173.0, Aftershock PLICA PRXIMO

IGL 02 20:36:27.2-1.0, 35.20N-4.00W, h0km, MW4.4, Error ellipse: s-maj=14.9km s-min=8.4km az=8.0

INMG 02 20:36:27.2-1.2, 35.00N-3.91W, h31km, 8km, ML3.7, Error ellipse: s-maj=4.5km s-min=2.9km az=0.0

LDG 02 20:36:29.4-0.7, 35.06N-4.09W, h30km, Md4.5/1, M4.1/3, ms3.5/7, Error ellipse: s-maj=14.9km s-min=8.4km az=8.0

ISC 02 20:36:25.0-1.0, 4.3511N, 0.03-4.01W, 0.02, h0km, n132, e1939/194, mb2.0/18, MS3.5/4, 2C-2D, Strait of Gibraltar

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC, EMEL, Melilla, 0.86 90 P, S, 20 36 41.3 -0.8

DJA 02 14:28:3.0-0.9, 8.69S, -116.27E, h104km, 6km, MD4.6/2, ML3.6/1, 6C-2D, Error ellipse: s-maj=30.8km s-min=14.9km az=172.0, Sumbawa region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC, EADA, Adamuz, 2.89 351 P, Pn, 20 37 15.0 +2.0

NEIC 02 20:25:07.6-2.2, 22.40S, 171.32E, h139km, 21km, mb3.8/5, mb1.0/6, mb1mx4.0/10, Error ellipse: s-maj=47.9km s-min=24.6km az=13.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC, EADA, Adamuz, 2.89 351 P, Pn, 20 37 15.0 +2.0

NEIC 02 19:51:10.1-1.0, 51.47N, 0.05x-16.11E, h11E, 0.04, n13, 0.1st/10/25, 1C, Poland

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC, EADA, Adamuz, 2.89 351 P, Pn, 20 37 15.0 +2.0

NEIC 02 19:51:10.1-1.0, 51.47N, 0.05x-16.11E, h11E, 0.04, n13, 0.1st/10/25, 1C, Poland

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC, EADA, Adamuz, 2.89 351 P, Pn, 20 37 15.0 +2.0

NEIC 02 19:51:10.1-1.0, 51.47N, 0.05x-16.11E, h11E, 0.04, n13, 0.1st/10/25, 1C, Poland

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC, EADA, Adamuz, 2.89 351 P, Pn, 20 37 15.0 +2.0

Table of station data for the 2d 21h period, including station names, coordinates, and various parameters like SNR and frequency.

Main table of station data for the 2004 MAR period, including station names, coordinates, and various parameters like SNR and frequency.

Table of station data for the PTP1 period, including station names, coordinates, and various parameters like SNR and frequency.



WEL 02 21:13:54.7:0.3, 36.95S:176.30E, h389km, 3km, ML4.1/1, Error ellipse: s-maj=7.9km s-min=5.4km az=90.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include URZ Urewera, MWZ Matawai, MXZ Matakaoa Point, etc.

JMA 02 21:33:47.7:0.2, 40.62N:142.68E, h26km, 3km, M3.6, 2D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include JANG Nango, JANG Tanohata, JTKZ Kuzumaki, etc.

MDD 02 22:28:04.5:1.0, 35.04N:3.97W, mb4.2/33, Error ellipse: s-maj=9.9km s-min=4.6km az=11.0, Aftershock PLICA

NEIC 02 22:28:04.3, 35.04N:3.98W, MN3.0(MDD), After MDD. INMG 02 22:28:05.3:1.1, 34.91N:3.98W, h31km, 12km, ML3.2, Error ellipse: s-maj=7.1km s-min=3.4km az=0.0, LDG 02 22:28:07.0:0.9, 35.23N:4.07W, h2km, Mcd.7/1, ML3.7/1, Error ellipse: s-maj=26.8km s-min=9.9km az=0.0

ISC 02 22:28:02.9:0.6, 35.18N:0.04:4.07W, 0.03, n62, e132/116, Strait of Gibraltar

Main table for the first section, listing seismic stations and their characteristics. Rows include EMEL Mellilla, EMEL Melilla, MELI Melilla, etc.

Main table for the second section, listing seismic stations and their characteristics. Rows include ESDC Sonseca Array, ESDC Sonseca Array, ESDC Sonseca Array, etc.

NEIC 02 22:33:25.9, 40.42N:124.99W, h18km, ML3.7(BRK), After BRK

ISC 02 22:33:27.1:3.2, 40.53N:124.44W, mb3.5/4, mb1.3/8/6, mb1mx3.6/19, ML3.5/2, Error ellipse: s-maj=49.4km s-min=18.3km az=51.0

ISC 02 22:33:24.1:1.3, 40.40N:0.04:124.9W, 0.1, h18km, n30, e092/31, mb3.7/3, Near coast of northern California

Main table for the third section, listing seismic stations and their characteristics. Rows include KHHM Horse Mountain, KRMB Red Mountain, KRMB Red Mountain, etc.

NEIC 02 23:02:21.8, 36.21N:21.57E, h9km, MD3.5(ATH), After ATH

ATH 02 23:02:21.8, 36.20N:21.56E, h9km, MD3.5/6 THE 02 23:02:24.8, 36.28N:21.61E, h20km, ML3.4

ISC 02 23:02:24.7:1.3, 36.45N:0.07:21.7E, 0.1, h9km, n13, e150/19, Southern Greece

Main table for the fourth section, listing seismic stations and their characteristics. Rows include ITM Ithomi, VLIH Velia, VLIH Velia, etc.

Table with columns: MEV, LIT, LIT, FNA, FNA, GRG, STON, STON. Rows include Litokhoron, Florida, Griva, Ston.

NEIC 02 23:08:24.2, 40.44N:125.41W, h26km, ML3.2(BRK), After BRK

ISC 02 23:08:23.2:2.8, 40.43N:0.09:125.3W, 0.3, h26km, n12, e054/12, Off coast of northern California

Main table for the fifth section, listing seismic stations and their characteristics. Rows include KHHM Horse Mountain, KRMB Red Mountain, KBO Bosley Butte, etc.

IDC 02 23:28:32.8:0.7, 3.24S:143.64E, mb4.6/9, mb1.4/7/10, mb1mx4.7/13, ML4.3/1, MS3.8/1, Ms1.3/8/1, ms1mx3.4/12, Error ellipse: s-maj=29.7km s-min=17.4km az=74.0

BJJ 02 23:28:42.2:2.97S:143.73E, h78km, mb4.9

NEIC 02 23:28:44.6:1.9, 3.53S:143.13E, h96km, 17km, mb4.6/7, Error ellipse: s-maj=13.7km s-min=12.6km az=83.0

ISC 02 23:28:43.2:2.1, 3.55S:0.08:143.30E, 0.09, h89km, 20km, n50, e107/43, mb4.7/23, 2C-1D, Near north coast of New Guinea

Main table for the sixth section, listing seismic stations and their characteristics. Rows include WAU Wau, KAKA Kakadu, CTAO Charters Tower, etc.

Table with station names (LON, FMW, GSW, etc.) and various numerical data points.

IDC 03 00:20:16.5:0.6,51.67N:159.45E,mb4.5/24,mb1 4.7/26,mb1mx4.7/27,ML4.1/2,MS4.0/4,Ms1 4.0/4,ms1mx3.5/22, Error ellipse: s-maj=16.8km s-min=10.6km az=165.0

KRSC 03 00:20:18.7:1.5,51.41N:159.96E,h40km,mb4.9/57,MS4.4/1, Error ellipse: s-maj=9.8km s-min=4.9km az=95.2

BUI 03 00:20:19.6:51.76N:159.45E,h36km,mb4.9,ms4.5,MS4.4 NEIC 03 00:20:22.6:0.3,51.61N:159.54E,h40km,mb4.9/57,MS4.0/1, Error ellipse: s-maj=8.2km s-min=5.5km az=160.0

NEIC Felt at Petropavlovsk-Kamchatskiy. HRVD 03 00:20:22.6:1.1,51.55N:159.51E,h28km,1km,MW4.8/38, Centroid moment Tensor Solution. LP body waves: s16,c18;Mantle waves: s38,c45; Half duration: 0 Moment tensor: Scale 10^18Nm; M1:1.62+-18; M2:0.56+-13; M3:0.17+-11; M4:0.90+-25; M5:0.58+-09; M6:0.23+-16; Best double couple: M1:78x10^16 Np1:200, lambda:834, lambda:64. Np2:51, lambda:800, lambda:107. Principal axes: T1:94, P1:70, Azm:359, N:34, P1:14, Azm:222; P:1.81, P1:13, Azm:129; nsta1 refers to surface waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 03 00:20:19.6:0.6,51.48N:159.75E,0.05,h35km,4km,h37km,5km;pp-P,n287, s1506/310,mb4.9/102,MS4.4/16,15C-7D, Off east coast of Kamchatka Peninsula

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, s, ISC. Lists various seismic stations and their recorded data.

Main table with columns: Station Name, Az, Phase ID, Time, Res, ISC, h, s, ISC. Lists various seismic stations and their recorded data.

Main table with columns: Station Name, Az, Phase ID, Time, Res, ISC, h, s, ISC. Lists various seismic stations and their recorded data.

Table of astronomical observations for station GNI, including columns for station name, coordinates, elevation, and observation data.

Table of astronomical observations for station QRN, including columns for station name, coordinates, elevation, and observation data.

Table of astronomical observations for station SCHQ, including columns for station name, coordinates, elevation, and observation data.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists various stations like LUJA, ECOG, ESPR, ELUO, EQES, etc.

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

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

Table with columns for station name, coordinates, and status. Includes stations like SOTA, KDZ, WATA, MONTBARDON, DAVOX, etc.

Table with columns for station name, coordinates, and status. Includes stations like BRG, BRG, BRG, BRG, BRG, etc.

Table with columns for station name, coordinates, and status. Includes stations like OBN, GOF, NA001, NB2, NOA, etc.

SKHL 03 03:07:10.0:1.3, 53.20N:126.32E, h10km, mb3.5/4, Priamurye-Northeastern China border region

NEIC 03 03:16:44.5:2.3, 6.54N:72.80W, h176km, 19km, Error ellipse: s-maj=39.0km s-min=17.0km az=81.0

ISC 03 03:16:45.2:2.4, 6.69N:73.16W, h163km, 20km, mb3.3/6, mb1 3.6/7, mb1mx3/4/7, Error ellipse: s-maj=46.0km s-min=23.4km az=94.0

ISC 03 03:16:44.0:2.4, 6.4N:0.2-72.9W:0.3, h194km, 22km, n111, 0:998/10, mb3.2/7, Northern Colombia

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ROSC, OTAV, TXAR, TRQA.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ULM Lac du Bonnet, SCHO Schefferville, PDAR Pinedale Array, etc.

INMG 03 03:20:51.61-0.9, 36.70N-9.68W, h8km, 5km, ML1.7, Error ellipse: s-maj=6.7km s-min=3.7km az=64.0

MDD 03 03:20:52.1-3.1, 36.69N-9.69W, h96km, 66km, mb2.0/5, Error ellipse: s-maj=34.8km s-min=25.6km az=40.0, PRXIMO

NEIC 03 03:20:52.5, 36.60N-9.38W, MN2.4(MDD), After MDD. ISC 03 03:20:52.01-1.6, 36.78N-0.06-9.52W-0.09, h10km, 10km, n23, 0590/31, 2D, West of Gibraltar

Main station list table for the first section, including stations like PTEO Sao Teotonio, PALC Alcouthim, EGRO El Granado, etc.

NEIC 03 03:59:02.4, 33.95S-71.11W, h73km, MD3.8(GUC), After GUC.

NEIC Felt III at Santiago. GUC 03 03:59:02.4-0.7, 33.95S-71.11W, h73km, 3km, MD3.8, ML3.7, 11C-9D, Near coast of Central Chile

Main station list table for the second section, including stations like LNV Longovilio, TACH Talagante, CHCH Chadras Angostu, etc.

IDD 03 04:21:24.8-0.7, 57.58N-33.00W, mb3.8/12, mb1 4.1/14, mb1mx3.6/21, ML2.5/2, MS3.6/1, Ms1 3.6/4, ms1mx3.9/22, Error ellipse: s-maj=23.4km s-min=16.3km az=15.0

NEIC 03 04:21:24.4-0.6, 57.58N-32.96W, h10km, Error ellipse: s-maj=17.7km s-min=11.3km az=197.0

ISC 03 04:21:24.7-0.6, 57.68N-0.1-33.0W-0.2, h10km, n18, 0593/17, mb3.8/12, Reykjanes Ridge

Main station list table for the third section, including stations like FRB Frobisher Bay, SCHO Schefferville, ESDC Sonseca Array, etc.

Table with columns: YKA, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like YKA Yellowknife Ar, YKA Yellowknife Ar, etc.

IDD 03 04:22:12.6-3.2, 57.48N-33.49W, mb3.6/5, mb1 3.8/6, mb1mx3.6/20, ML2.5/1, Error ellipse: s-maj=77.1km

ISC 03 04:22:12.4-4.0, 57.55N-0.4-33.5W-0.8, h10km, n7, 0584/6, mb3.6/5, Reykjanes Ridge

ISC 03 04:22:44.8-45.0, 22.47N-108.82W, mb2.8/1, mb1 3.5/3, mb1mx3.4/17, ML3.1/2, Error ellipse: s-maj=589.0km, s-min=69.2km az=179.0, Off coast of central Mexico

Main station list table for the fourth section, including stations like FRB Frobisher Bay, ULM Lac du Bonnet, YKA Yellowknife Ar, etc.

ISC 03 04:26:11.7-2.2, 1.33S-126.37E, mb3.4/3, mb1 3.7/3, mb1mx3.7/10, Error ellipse: s-maj=244.0km s-min=25.3km az=65.0, Southern Molucca Sea

ISC 03 04:26:11.7-2.2, 1.33S-126.37E, mb3.4/3, mb1 3.7/3, mb1mx3.7/10, Error ellipse: s-maj=244.0km s-min=25.3km az=65.0, Southern Molucca Sea

NEIC 03 04:29:00.9, 35.18N-4.04W, MG3.6(MDD), After MDD. MDD 03 04:29:01.1-1.0, 35.19N-4.05W, mb3.6/9, Error ellipse: s-maj=10.2km s-min=4.4km az=18.0, PRXIMO

AftershockPLICA, Strait of Gibraltar

Main station list table for the fifth section, including stations like EMEL Meililla, MELI Meililla, EALB Alboraan, etc.

Table with columns: ELOB, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ELOB Sadova, ERUA La Rúa, etc.

ISC 03 04:43:54.4-2.8, 57.27N-33.24W, mb3.7/5, mb1 3.9/7, mb1mx3.6/21, ML2.4/2, MS3.6/4, Ms1 3.6/4, ms1mx3.1/31, Error ellipse: s-maj=22.2km s-min=24.3km az=178.0

ISC 03 04:43:53.6-2.2, 57.2N-0.4-33.2W-0.2, h10km, n10, 05227/7, mb3.7/5, MS3.7/2, Reykjanes Ridge

Main station list table for the sixth section, including stations like FRB Frobisher Bay, SCHO Schefferville, SCHO Sadova, etc.

ISC 03 04:45:16.0-10.0, 2.1-76N-109.14W, mb3.0/2, mb1 3.6/4, mb1mx3.5/17, ML3.1/2, MS3.6/2, Ms1 3.5/2, ms1mx3.1/18, Error ellipse: s-maj=157.0km s-min=58.9km az=166.0

ISC 03 04:45:16.6-6.9, 21.6N-0.7-109.1W-0.3, h33km, n6, 05131/5, mb3.4/3, MS3.5/2, Revilla Gigedo Islands region

Main station list table for the seventh section, including stations like TXAR Lajitas Array, NVAR Mina Array, PDAR Pinedale Array, etc.

ISC 03 04:46:44.8-1.9, 57.47N-32.93W, mb3.5/6, mb1 3.8/8, mb1mx3.6/21, ML2.5/2, Error ellipse: s-maj=58.0km s-min=22.2km az=171.0

ISC 03 04:46:44.8-1.9, 57.55N-0.3-32.9W-0.2, h10km, n9, 0525/8, mb3.5/6, Reykjanes Ridge

Main station list table for the eighth section, including stations like FRB Frobisher Bay, SCHO Schefferville, YKA Yellowknife Ar, etc.

JMA 03 04:55:58.6, 35.73N-137.05E, h13km, 1km, M3.7, Broadband fault plane solution: P waves. N P1: 0.1, 0.851, 1.9. NP2: 0.265, 0.883, 1.141. Principal axes: T P1g32, Azm215; N P1g50; Azm76; P P1g21; Azm319;

JMA Felt II. NIED 03 04:56:00.35, 70N-137.10E, h8km, Mw3.4 Best double couple: M1.43x10^14 NP1: 0.266, 0.787, 1.255. NP2: 0.129, 0.837, 1.20.

ISC 03 04:55:58.7-0.8, 35.75N-0.05-137.05E-0.05, h5km, 13km, n5, 0516/10, 2C-2D, Eastern Honshu

Main station list table for the ninth section, including stations like JGM Miyama, JGM Kuroka, JGM Niukaw, etc.

BGR 03 05:05:05.3-0.7, 51.54N-16.27E, h1km, ML3.5/7, Error ellipse: s-maj=12.2km s-min=6.7km az=159.0

LDG 03 05:05:05.9-0.7, 51.52N-16.34E, h1km, M3.9/7, Error ellipse: s-maj=16.9km s-min=7.4km az=10.0, Suspected Mining induced.

NEIC 03 05:05:06.9-0.4, 51.51N-16.15E, h5km, ML3.6(VIE), ML3.3(SZGRF), ML3.1(CLL), ML2.9(BRG), Error ellipse: s-maj=4.6km s-min=3.6km az=40.0

PRU 03 05:05:07.4-0.6, 51.49N-16.10E, Felt II in Harachou IDC 03 05:07:40.6, 51.47N-16.13E, mb3.6/4, mb1 3.7/11, mb1mx3.6/21, ML3.2/7, Error ellipse: s-maj=15.7km s-min=6.2km az=102.0

WAR 03 05:05:08.0, 51.50N-16.09E, h1km, Location given by Rudna mine, origin time based upon KSP

ISC 03 05:05:00.0-0.3, 51.46N-0.02-16.10E-0.02, n78, 05194/108, mb3.6/4, 9C-2D, Poland

Main station list table for the tenth section, including stations like KSP Ksiadz, KSP Ksiadz, KSP Ksiadz, etc.



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LKWY Lake, ILAR Eielson Array, NEW Newport, PDAR Pinedale Array, etc.

NEIC 03 05:31:58.5, 34.93N-3.73W, MG3.5(MDD), After MDD. MDD 03 05:31:58.8, 1.5, 34.94N-3.76W, mb3.2/8, Error ellipse: s-maj=14.3km s-min=5.9km az=4.0, AftershockPLICA PRXIMO, Morocco

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EMEL Melilla, MELI Melilla, EALB Alboran, etc.

CASC 03 05:40:19.2, 2.3, 8.43N-83.01W, h9km, 6km, MD3.7, 8C-2D, Costa Rica

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ACR Cerro Adams, DVD David, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BUS Uracsa, LCR2 La Lucha 2, ICR Volcan Irazu, etc.

NEIC 03 05:44:24.8, 2.8, 8.70N-126.18W, h10km, mb3.4/2, Error ellipse: s-maj=34.5km s-min=10.7km az=73.0. ISC 03 05:44:12.9, 2.7, 40.32N-0.06, 127.1W, 0.3, h10km, n29, -0.81/31, mb3.4/2, Off coast of northern California

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KRHM Horse Mountain, KXMB Red Mountain, KBO Bosley Butte, etc.

IDC 03 05:52:49.5, 2.5, 3.82N-126.11E, mb3.6/3, mb1 3.8/3, mb1mx3.7/1, Error ellipse: s-maj=238.0km s-min=27.9km az=65.0, Taidud Islands

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

MAN 03 06:11:26.4, 9.19N-126.49E, h42km, mb4.4, ML3.3, MS3.1, Mariana

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BUTP Butuan, MSLP Maasin, BESP Borongan, etc.

MDD 03 06:36:48.7, 1.0, 35.12N-3.91W, mb3.9/21, Error ellipse: s-maj=10.5km s-min=4.3km az=15.0, PRXIMO AftershockPLICA

NEIC 03 06:36:48.9, 35.12N-3.90W, MG3.9(MDD), After MDD. INMG 03 06:36:49.4, 1.4, 35.03N-3.88W, h43km, 12km, ML2.9. Error ellipse: s-maj=6.8km s-min=4.5km az=11.0. ISC 03 06:36:47.5, 0.8, 34.98N-0.05, 3.96W-0.05, h51km, 20km, n39, +126/73, Morocco

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EMEL Melilla, MELI Melilla, EALB Alboran, REAL Reales, EMAL Malaga-Limoner, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EHUE 4.4nm, 0.2s, SNR=7.9, EBAN Banos Encina, EBAN 1.8nm, 0.2s, SNR=6.0, EADA Adama, etc.

IDC 03 07:09:11.2, 2.1, 31.73S-178.14W, mb4.5/3, mb1 4.7/5, mb1mx4.4/11, ML4.3/2, MS3.7/2, Ms1 3.7/2, ms1mx3.5/11, Error ellipse: s-maj=47.1km s-min=23.7km az=136.0. NEIC 03 07:09:13.5, 0.7, 31.52S-178.17W, h10km, mb4.9/6, Error ellipse: s-maj=18.9km s-min=16.9km az=89.0. ISC 03 07:09:18.0, 2.2, 32.05S-0.06, 178.8W, 0.2, h22km, 18km, h22km, 9km, pp-P, n46, e1448/41, mb4.6/9, MS3.8, 2C-2D, South of Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PUK Puketiti, WCU Waipu Caves, URZ Urutahi, URZ 28nm, 0.3s, baz=48, slow=23, SNR=17, etc.



IDC 03 08:23:52.3-1.9, 0.48N-122.73E, mb3.8/3, mb1 4.0/3, mb1mx3.9/11, Error ellipse: s-maj=427.0km s-min=25.1km az=61.0, Minahassa Peninsula, Sulawesi

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
WRA	Warramunga Arr	23.27	151	Op	08 29 01.8	-0.9
ASAR	Alice Springs	26.34	156	P	08 29 30.4	-1.6
MKAR	Makanchi Array	58.06	328	P	08 33 47.3	-2.4

IDC 03 08:27:25.6-2.7, 8.52N-39.06W, mb3.7/6, mb1 3.9/6, mb1mx3.7/17, MS3.6/4, Ms1 3.6/4, ms1mx3.3/18, Error ellipse: s-maj=91.6km s-min=26.1km az=96.0

IDC 03 08:27:25.2-5.8, 6N-0.2, 39.1W-0.6, h10km, n9, σ173/6, mb3.6/6, MS3.6/4, Central Mid-Atlantic Ridge

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
BDFB	Brasilia	25.64	200	Op	08 32 56.1	-1.0
BDFB	comp-Z, 94nm, 18.6s, MS3.3, baz=115, slow=37			LR	08 43 08.2	
ROSC	Ei Rosal	18.09	159	Op	08 47 23.6	
LPAZ	La Paz	37.92	229	P	08 34 46.4	+1.3
CPUP	Villa Florida	36.97	207	LR	08 51 14.0	
ULM	Lac du Bonnet	62.56	323	P	08 37 50.6	-1.3
TXAR	Lajitas Array	63.75	298	P	08 37 59.8	-0.4
YKA	Yellowknife Arr	75.79	332	P	08 39 12.8	-0.3
ILAR	Eielson Array	89.78	336	P	08 40 27.5	+2.3
BVAR	Borovoye Array	93.5	35	LR	09 20 27.6	

IDC 03 08:30:57.6-3.2, 54.47S-28.04W, mb3.9/2, mb1 4.1/2, mb1mx3.9/8, MS3.7/1, Ms1 3.6/1, ms1mx3.4/7, Error ellipse: s-maj=19.0km s-min=65.7km az=35.0

NEIC 03 08:30:59.1-1.2, 2.65S-29.21W, h10km, mb4.2/2, Error ellipse: s-maj=54.4km s-min=10.9km az=57.0

IDC 03 08:30:59.4-2.2, 55.5S-0.4, 30.0W-1.0, h10km, n11, σ062/8, mb4.1/4, MS3.7/1, 3C-1D, South Sandwich Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
VNA1	Neumayer-Stat	17.95	156	Op	08 35 10.1	-0.3
VNA3	Neumayer Olymp	18.09	159	Op	08 35 12.1	0.0
VNA2	Neumayer-Watz	18.35	156	Op	08 35 15.9	+0.5
SNA4	Sanae	19.94	155	Op	08 35 29.3	-4.6
TRQA	Tornquist	22.62	296	P	08 36 48.9	+0.1
GSPA	South Pole Qui	34.78	180	Op	08 37 51.1	-0.4
CPUP	Villa Florida	35.24	314	P	08 37 54.9	-1.0
BDFB	Brasilia	42.09	334	LR	08 52 13.2	
LPAZ	La Paz	48.74	308	P	08 39 47.1	+1.0
YKA	Yellowknife Arr	134.68	319	PKPdf	08 50 15.8	-4.3
ILAR	Eielson Array	148.54	313	PKPbc	08 50 44.7	+0.5

MEX 03 09:21:30.2-1.0, 15.49N-97.33W, h20km-20km, MD4.7

NEIC 03 09:21:32.0-0.5, 15.75N-97.13W, mb4.8/41, MD4.7(MEX), Error ellipse: s-maj=8.5km s-min=5.5km az=197.0

BUI 03 09:21:31.9, 15.70N-97.10W, h19km, mb4.9, MS5.1, Ms2.9

IDC 03 09:21:31.4-0.9, 16.09N-97.07W, mb4.3/15, mb1 4.5/17, mb1mx4.5/20, ML3.6/2, MS3.9/11, Ms1 3.9/11, ms1mx3.8/16, Error ellipse: s-maj=31.0km s-min=15.7km az=59.0

IDC 03 09:21:27.9-1.2, 15.70N-0.04, 97.25W-0.02, h5km, 7km, h19km, 8km; p:P, n124, σ136/11, mb4.6/47, MS3.9/11, Near coast of Oaxaca

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
PNIG	Pinotepa	1.09	309	Op	09 21 49.0	+0.2
VHO	Vista Hermosa	1.45	20	Op	09 21 55.7	+0.8
OXX	Oaxaca	1.46	20	Op	09 21 55.6	+0.6
CMIG	Matias Romero	2.66	58	Op	09 22 11.2	-0.9
ACX	Acapulco	2.81	295	Op	09 22 13.7	-0.6
CAIG	El Cayaco	3.19	295	Op	09 22 19.6	-0.0
IJSM	Ciudad Serdan	3.27	358	Op	09 22 21.7	+0.9
EVV	Ei Vigia	3.29	33	Op	09 22 20.1	-0.9
POHV	Veracruz	3.35	360	Op	09 22 20.5	-1.4
IIB	San Bernardino	3.41	342	Op	09 22 27.0	+4.2
PLIG	Platanillo	3.44	321	Op	09 22 23.0	+0.1
YAG	Yatepec	3.59	331	Op	09 22 26.2	+1.4
PPM	Popocatepetl	3.59	339	Op	09 22 27.4	+1.9
PNIG	Pinotepa	1.09	309	Op	09 21 49.0	+0.2
PNIG	Pinotepa	1.09	309	Op	09 21 49.0	+0.2
VHO	Vista Hermosa	1.45	20	Op	09 21 55.7	+0.8
OXX	Oaxaca	1.46	20	Op	09 21 55.6	+0.6
CMIG	Matias Romero	2.66	58	Op	09 22 11.2	-0.9
ACX	Acapulco	2.81	295	Op	09 22 13.7	-0.6
CAIG	El Cayaco	3.19	295	Op	09 22 19.6	-0.0
IJSM	Ciudad Serdan	3.27	358	Op	09 22 21.7	+0.9
EVV	Ei Vigia	3.29	33	Op	09 22 20.1	-0.9
POHV	Veracruz	3.35	360	Op	09 22 20.5	-1.4
IIB	San Bernardino	3.41	342	Op	09 22 27.0	+4.2
PLIG	Platanillo	3.44	321	Op	09 22 23.0	+0.1
YAG	Yatepec	3.59	331	Op	09 22 26.2	+1.4
PPM	Popocatepetl	3.59	339	Op	09 22 27.4	+1.9
PNIG	Pinotepa	1.09	309	Op	09 21 49.0	+0.2
PNIG	Pinotepa	1.09	309	Op	09 21 49.0	+0.2
VHO	Vista Hermosa	1.45	20	Op	09 21 55.7	+0.8
OXX	Oaxaca	1.46	20	Op	09 21 55.6	+0.6
CMIG	Matias Romero	2.66	58	Op	09 22 11.2	-0.9
ACX	Acapulco	2.81	295	Op	09 22 13.7	-0.6
CAIG	El Cayaco	3.19	295	Op	09 22 19.6	-0.0
IJSM	Ciudad Serdan	3.27	358	Op	09 22 21.7	+0.9
EVV	Ei Vigia	3.29	33	Op	09 22 20.1	-0.9
POHV	Veracruz	3.35	360	Op	09 22 20.5	-1.4
IIB	San Bernardino	3.41	342	Op	09 22 27.0	+4.2
PLIG	Platanillo	3.44	321	Op	09 22 23.0	+0.1
YAG	Yatepec	3.59	331	Op	09 22 26.2	+1.4
PPM	Popocatepetl	3.59	339	Op	09 22 27.4	+1.9
PNIG	Pinotepa	1.09	309	Op	09 21 49.0	+0.2
PNIG	Pinotepa	1.09	309	Op	09 21 49.0	+0.2
VHO	Vista Hermosa	1.45	20	Op	09 21 55.7	+0.8
OXX	Oaxaca	1.46	20	Op	09 21 55.6	+0.6
CMIG	Matias Romero	2.66	58	Op	09 22 11.2	-0.9
ACX	Acapulco	2.81	295	Op	09 22 13.7	-0.6
CAIG	El Cayaco	3.19	295	Op	09 22 19.6	-0.0
IJSM	Ciudad Serdan	3.27	358	Op	09 22 21.7	+0.9
EVV	Ei Vigia	3.29	33	Op	09 22 20.1	-0.9
POHV	Veracruz	3.35	360	Op	09 22 20.5	-1.4
IIB	San Bernardino	3.41	342	Op	09 22 27.0	+4.2
PLIG	Platanillo	3.44	321	Op	09 22 23.0	+0.1
YAG	Yatepec	3.59	331	Op	09 22 26.2	+1.4
PPM	Popocatepetl	3.59	339	Op	09 22 27.4	+1.9
PNIG	Pinotepa	1.09	309	Op	09 21 49.0	+0.2
PNIG	Pinotepa	1.09	309	Op	09 21 49.0	+0.2
VHO	Vista Hermosa	1.45	20	Op	09 21 55.7	+0.8
OXX	Oaxaca	1.46	20	Op	09 21 55.6	+0.6
CMIG	Matias Romero	2.66	58	Op	09 22 11.2	-0.9
ACX	Acapulco	2.81	295	Op	09 22 13.7	-0.6
CAIG	El Cayaco	3.19	295	Op	09 22 19.6	-0.0
IJSM	Ciudad Serdan	3.27	358	Op	09 22 21.7	+0.9
EVV	Ei Vigia	3.29	33	Op	09 22 20.1	-0.9
POHV	Veracruz	3.35	360	Op	09 22 20.5	-1.4
IIB	San Bernardino	3.41	342	Op	09 22 27.0	+4.2
PLIG	Platanillo	3.44	321	Op	09 22 23.0	+0.1
YAG	Yatepec	3.59	331	Op	09 22 26.2	+1.4
PPM	Popocatepetl	3.59	339	Op	09 22 27.4	+1.9
PNIG	Pinotepa	1.09	309	Op	09 21 49.0	+0.2
PNIG	Pinotepa	1.09	309	Op	09 21 49.0	+0.2
VHO	Vista Hermosa	1.45	20	Op	09 21 55.7	+0.8
OXX	Oaxaca	1.46	20	Op	09 21 55.6	+0.6
CMIG	Matias Romero	2.66	58	Op	09 22 11.2	-0.9
ACX	Acapulco	2.81	295	Op	09 22 13.7	-0.6
CAIG	El Cayaco	3.19	295	Op	09 22 19.6	-0.0
IJSM	Ciudad Serdan	3.27	358	Op	09 22 21.7	+0.9
EVV	Ei Vigia	3.29	33	Op	09 22 20.1	-0.9
POHV	Veracruz	3.35	360	Op	09 22 20.5	-1.4
IIB	San Bernardino	3.41	342	Op	09 22 27.0	+4.2
PLIG	Platanillo	3.44	321	Op	09 22 23.0	+0.1
YAG	Yatepec	3.59	331	Op	09 22 26.2	+1.4
PPM	Popocatepetl	3.59	339	Op	09 22 27.4	+1.9
PNIG	Pinotepa	1.09	309	Op	09 21 49.0	+0.2
PNIG	Pinotepa	1.09	309	Op	09 21 49.0	+0.2
VHO	Vista Hermosa	1.45	20	Op	09 21 55.7	+0.8
OXX	Oaxaca	1.46	20	Op	09 21 55.6	+0.6
CMIG	Matias Romero	2.66	58	Op	09 22 11.2	-0.9
ACX	Acapulco	2.81	295	Op	09 22 13.7	-0.6
CAIG	El Cayaco	3.19	295	Op	09 22 19.6	-0.0
IJSM	Ciudad Serdan	3.27	358	Op	09 22 21.7	+0.9
EVV	Ei Vigia	3.29	33	Op	09 22 20.1	-0.9
POHV	Veracruz	3.35	360	Op	09 22 20.5	-1.4
IIB	San Bernardino	3.41	342	Op	09 22 27.0	+4.2
PLIG	Platanillo	3.44	321	Op	09 22 23.0	+0.1
YAG	Yatepec	3.59	331	Op	09 22 26.2	+1.4
PPM	Popocatepetl	3.59	339	Op	09 22 27.4	+1.9
PNIG	Pinotepa	1.09	309	Op	09 21 49.0	+0.2
PNIG	Pinotepa	1.09	309	Op	09 21 49.0	+0.2
VHO	Vista Hermosa	1.45	20	Op	09 21 55.7	+0.8
OXX	Oaxaca	1.46	20	Op	09 21 55.6	+0.6
CMIG	Matias Romero	2.66	58	Op	09 22 11.2	-0.9
ACX	Acapulco	2.81	295	Op	09 22 13.7	-0.6
CAIG	El Cayaco	3.19	295	Op	09 22 19.6	-0.0
IJSM	Ciudad Serdan	3.27	358	Op	09 22 21.7	+0.9
EVV	Ei Vigia	3.29	33	Op	09 22 20.1	-0.9
POHV	Veracruz	3.35	360	Op	09 22 20.5	-1.4
IIB	San Bernardino	3.41	342	Op	09 22 27.0	+4.2
PLIG	Platanillo	3.44	321	Op	09 22 23.0	+0.1
YAG	Yatepec	3.59	331	Op	09 22 26.2	+1.4
PPM	Popocatepetl	3.59	339	Op	09 22 27.4	+1.9
PNIG	Pinotepa	1.09	309	Op	09 21 49.0	+0.2
PNIG	Pinotepa	1.09	309	Op	09 21 49.0	+0.2
VHO	Vista Hermosa	1.45	20	Op	09 21 55.7	+0.8
OXX	Oaxaca	1.46	20	Op	09 21 55.6	+0.6
CMIG	Matias Romero	2.66	58	Op	09 22 11.2	-0.9
ACX	Acapulco	2.81	295	Op	09 22 13.7	-0.6
CAIG	El Cayaco	3.19	295	Op	09 22 19.6	-0.0
IJSM	Ciudad Serdan	3.27	358	Op	09 22 21.7	+0.9

3d 12h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FIAO, HFS, ARAO, and KAF.

HEL 03 09:55:02.4,0.4,67.70N,34.20E,ML2.2,ML2.1(NAO), Explosion

NAO 03 09:54:57.7,4.5,67.63N,34.32E,ML2.1,Baltic States - Belarus - Northwestern Russia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MSF, SGF, KEV, ARAO, and FIAO.

DJA 03 09:59:20.0,1.3,8.04S,-115.61E,h236km,14km,ML3.8/1, SC, Error ellipse: s-maj=66.9km s-min=24.6km az=5.0, Bali region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KEDI, RATI, INGI, and KELI.

MAN 03 10:06:51.2,9.67N,-126.10E,h18km,mb4.0,ML2.8,MS2.4, ID, Mindanao

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SCPH, BUTP, MSLP, and PLP.

HEL 03 10:07:02.4,0.7,67.67N,33.93E,ML2.8,ML2.4(BER), ML2.4(NAO), Explosion

NAO 03 10:07:05.6,4.7,67.58N,33.08E,ML2.4, ISC 03 10:07:05.5,1.4,67.62N,0.04,32.8E,0.2,n11,0145/26, Baltic States - Belarus - Northwestern Russia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MSF, SGF, KEV, ARAO, and FIAO.

HEL 03 10:08:54.6,4.3,98N,6.29E,h10km,MD2.8(ROM), ML2.9(LDG),ML2.5(STR), After STR

STR 03 10:08:54.6,0.1,43.98N,6.29E,h10km,1km,ML2.5, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

LDG 03 10:08:54.2,0.1,44.00N,6.27E,h2km,MD3.0,ML2.9/16, Error ellipse: s-maj=1.5km s-min=1.4km az=31.0

ROM 03 10:08:57.9,0.6,44.00N,6.63E,h5km,MD2.8,ML2.2/2, Error ellipse: s-maj=3.2km s-min=3.2km az=90.0

ISC 03 10:08:53.0,2.0,44.03N,0.01,6.24E,0.02,h10km,n58, 0117/103, France

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VILF, TAVF, SMRF, CALN, and SURF.

NEIC 03 11:03:06.7,0.7,29.03S,-13.02W,h10km,ML3.8/7.5, Error ellipse: s-maj=24.7km s-min=13.5km az=123.3

ISC 03 11:03:05.3,1.0,29.05S,-13.02W,0.2,h10km,n13, 0259/8,mb4.6,MS3.9/4, Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LPAZ, QSPA, ROSC, ASAR, and YKA.

CASC 03 11:14:09.2,2.4,8.35N,-82.79W,h24km,5km,MD3.6, 3C-1D, Panama-Costa Rica border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DVD, PTP1, and PTP2.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MVIF, LMR, TOUF, and TREF.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AURF, PRAF, MBDF, and MBDF.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ORIF, SAOF, RAO, and BANI.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IMI, ROB, GRN, and VIVF.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FIN, LFP, LPL, and LSD.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PCP, MCGN, PGF, and CABF.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MTLF, SMF, BGF, and SSF.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ROR, EPF, ETSF, and KIC.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LIC, TIC, DBIC, and CPUP.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TRQA, LPAZ, QSPA, and ROSC.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASAR, YKA, and ILAR.

CASC 03 11:14:09.2,2.4,8.35N,-82.79W,h24km,5km,MD3.6, 3C-1D, Panama-Costa Rica border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ACR, CNI, BUS, and URSC.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LCR2, ICR, LAJ, and PRS1.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CGA2, TRTU, AZIT, and UPA.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ANTO, LOD, KAMT, and KAMT.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CANKI, KONT, AVNT, and AVNT.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ESKT, ESKT, MDU, and TOY.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YUZ, SAFT, CTXK, and HENT.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BALT, BUNY, BOYAT, and BOYAT.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ULUD, SVST, SVSK, and GZT.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ELZG, JAVNIK, VOY, and VOY.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BER 03 11:38:31.5,2.9,60.12N,-19.72E,ML2.0(NAO), Suspected explosion

ISC 03 11:25:35.2,0.5,39.39N,0.03,32.97E,0.04,h5km,n27, 0121/39,2C, Turkey



ATH 03 12:36:06.0, 38.38N-21.99E, h5km, MD3.4/11, ML3.2
THE 03 12:36:08.6, 38.43N-22.22E, h4km, ML3.4
NEIC 03 12:36:08.6, 38.43N-22.22E, h4km, ML3.5(THE),
ML3.2(ATH), After THE.

ISC 03 12:36:05.0-5.38, 35N-03.02, 22.07E, 0.05, h3km, n21,
e1929/27, Greece

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists stations like RLS, EVR, AGG, LKR, ITM, VLS, NEO, XOR, etc.

IDC 03 12:46:20.4-2.5, 12.72N-118.73E, mb3.5/3, mb1 3.7/3,
mb1mx3.5/13, Error ellipse: s-maj=366.0km

s-min=25.9km az=61.0, Philippine Islands region

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

IDC 03 13:15:17.2-4.9, 15.51S-75.06W, h71km, 45km, mb4.1/9,
mb1 4.3/11, mb1mx4.2/15, ML4.4/2, MS4.5/12, Ms1 4.5/12,
ms1mx4.4/16, Error ellipse: s-maj=36.3km s-min=18.6km
az=66.0

SYO 03 13:15:18.6, 15.50S-75.08W, h85km, MB4.7

NEIC 03 13:15:18.6, 15.50S-75.08W, h85km, 12km, mb4.7/32,
Error ellipse: s-maj=12.6km s-min=5.1km az=59.0

NEIC Felt [VI] at Nazca and Palpa

BUI 03 13:15:18.6, 15.50S-75.10W, h84km, mb4.5, Ms4.8,
Ms24.5

ISC 03 13:15:16.5-2.3, 15.48S-08.75W, 1W-0.1, h82km, 21km,
n81, e090/68, mb4.6/38, 3C-1D, Near coast of Peru

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

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists stations like NVAR, VNA1, ULM, etc.

IDC 03 13:31:56.1-2.6, 34.20N-138.92E, mb3.6/3, mb1 3.8/3,
mb1mx3.5/17, Error ellipse: s-maj=114.0km s-min=32.0km
az=73.0

JMA 03 13:32:25.1-0.4, 33.95N-138.32E, h283km, 4km, M3.0

ISC 03 13:32:25.7-0.7, 33.94N-0.07-138.31E, 0.08, h274km, 5km,
n21, e068/28, mb3.1/3, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists stations like TK02, JKO, etc.

NIED 03 13:50:00, 23.90N-121.20E, h32km, Mw4.2 Best double
couple: M2.42x10^15 NP1.0e202, 882, 121. NP2:
e0.305, 0.32, 1.616

NEIC 03 13:50:25.8-2.6, 23.78N-121.17E, h4km, 16km, mb4.0/3,
Error ellipse: s-maj=15.3km s-min=14.2km az=198.0

NEIC Recorded [2 TAP] in Chang-hua, Chia-i, Hua-lin,
Nan-tou, Tai-chung and Yun-lin; [1 TAP] in Hian and
Miao-li Counties.

BUI 03 13:50:26.8, 24.07N-121.07E, h5km, mb4.4, ML4.5, Ms4.4,
Ms24.4

TAP 03 13:50:29.3, 23.97N-121.16E, h26km, ML4.6

TAP Felt II J at Hehuanshan, II J at Ruyutan, I J at Yuchr, II J at
Tachien, II J at Shilin, II J at Hualien, I J at Chiawan, III J
at Minglian, I J at Taichung, II J at Hungye, I J at Liyutan, II
J at Alishan, I J at Sanyi, II J at Gukeng, I J at Nanau, II J
at Nioudou, I J at Tsanhsin, II J at Daching, II J at Chiayi,

ISC 03 13:50:29.0, 23.97N-121.21E, h26km, 5km, mb3.7/8,
mb1 4.0/9, mb1mx3.9/16, ML4.1/11, MS3.2/2, Ms1 3.2/2,
ms1mx3.0/27, Error ellipse: s-maj=29.2km s-min=17.4km
az=63.0

JMA 03 13:50:31.4-0.4, 23.86N-121.25E, h67km, M3.9

ISC 03 13:50:29.0-2.0, 23.96N-121.01x121.16E-0.02, h26km, 2km,
mb3.2/3, 3km; p-P, n87, e099/132, mb3.8/11, 10C-8D,

Taiwan

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

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists stations like TCU, YU1, etc.

NEIC 03 14:04:49.2-0.6, 0.76S-99.06E, mb4.5/1, Error ellipse:
s-maj=17.9km s-min=13.5km az=64.0

IDC 03 14:04:49.7-1.3, 0.46S-99.37E, h46km, 8km, mb3.7/5,
mb1 3.9/5, mb1mx3.7/11, Error ellipse: s-maj=67.5km
s-min=15.6km az=54.0

DJA 03 14:04:55.0, 0.25S-98.85E, h33km, MB3.6, Error ellipse:
s-maj=0.0km s-min=0.0km az=0.0

ISC 03 14:04:47.4-0.8, 0.72S-10.99E, 12E-0.07, h49km,
h49km, 1.5km; p-P, n16, e190/14, mb4.0/6, 2C-1D,

Southern Sumatra



3d 15h

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

IDC 03 14:46:00.84.3, 17.76S:178.56W, h488km, 49km, mb3.4/7, mb1 3.8/7, mb1mx3.8/10, Error ellipse: s-maj=25.4km s-min=13.7km az=119.0

NEIC 03 14:46:01.8.0.6, 17.74S:178.50W, h500km, mb4.6/10, Error ellipse: s-maj=24.0km s-min=11.1km az=143.0

ISC 03 14:46:00.7.4.7, 17.75S:178.6W, h2.496km, 54km, n20, c1504/20, mb4.3/16, 1D, Fiji Islands region

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

TAP 03 15:05:24.0, 22.99N:121.37E, h20km, ML3.8 JMA 03 15:05:26.0.4.4, 23.02N:121.47E, h56km s=19.3km

ISC 03 15:05:25.9.3.8, 23.11N:121.6E, h2.0.3, h20km, n5, c1942/7, Taiwan

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

IDC 03 15:12:15.3.2.9, 6.07S:133.17E, mb3.5/1, mb1 3.8/3, mb1mx3.7/8, ML3.6/2, Error ellipse: s-maj=139.0km s-min=19.3km az=307.1

ISC 03 15:12:17.6.1.8, 6.05S:133.3E, h0.5, h33km, n4, c082/7, mb3.4/1, Aru Islands region

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

IDC 03 15:23:30.3.2.6, 31.59N:66.96E, mb3.6/3, mb1 3.8/4, mb1mx3.6/15, ML3.7/1, Error ellipse: s-maj=88.9km s-min=37.9km az=88.0

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ISC 03 15:23:55.9.1.5, 31.72N:0.09.67E, h2.0, h33km, n21, c1509/23, mb3.6/3, Southeastern Afghanistan

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

NNC 03 15:32:36.7.1.4, 38.84N:70.87E, mpv4.1, Error ellipse: s-maj=15.7km s-min=7.8km az=52.0

IDC 03 15:32:37.1.7.3, 38.63N:71.12E, mb3.8/3, mb1 4.0/6, mb1mx3.8/16, ML3.6/3, Error ellipse: s-maj=30.6km s-min=27.7km az=94.0

MOS 03 15:32:40.6.2.0, 38.84N:70.74E, h33km, mb4.1/2, Error ellipse: s-maj=30.4km s-min=13.7km az=81.6

ISC 03 15:32:39.1.1.4, 38.7N:0.1x70.6E, h1.0, h33km, n25, c120/27, mb3.7/3, 4C-2D, Afghanistan-Tajikistan border region

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

NEIC 03 15:33:49.8, 35.32N:4.15W, MG3.7(MDD), After MDD. MDD 03 15:33:50.4.0.9, 35.35N:4.15W, mb3.7/20, Error ellipse: s-maj=9.4km s-min=4.3km az=21.0, PRXIMO

AftershockPLICA ISC 03 15:33:49.8.1.2, 35.35N:4.07x4.18W, h0.04, h14km, n12km, n23, c093/42, Strait of Gibraltar

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

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

MAN 03 15:47:27.7, 18.13N:120.44E, h12km, mb4.2, ML3.0, MS2.8, 1C-2D, Luzon

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

IDC 03 15:55:20.9.0.7, 54.48N:162.72E, mb4.1/18, mb1 4.3/19, mb1mx4.3/21, ML3.9/1, MS4.1/3, Ms1 4.1/3, ms1mx3.2/7, Error ellipse: s-maj=19.1km s-min=10.4km az=16.0

KRSC 03 15:55:22.7.1.1, 54.43N:162.91E, h17km, 2km, ML4.8 MOS 03 15:55:24.9.1.1, 54.50N:162.71E, h41km, mb4.8/10, Error ellipse: s-maj=13.1km s-min=7.3km az=85.0

NEIC 03 15:55:28.3.1.3, 54.55N:162.53E, h52km, 11km, mb4.3/9, Error ellipse: s-maj=12.4km s-min=7.9km az=138.0

BUI 03 15:55:28.2, 54.50N:162.50E, h52km, mb4.6, mb4.4, Ms4.3, Ms24.0

ISC 03 15:55:21.9.0.3, 54.42N:162.02E, 163.01E, h0.03, h13km, n113, c1920/148, mb4.2/31, MS4.2/5, 2C-1D, Off east coast of Kamchatka Peninsula

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

Table with columns: Station Name, Time, Res, and various codes (GRL, APC, etc.). Includes stations like Apacha, Pauzhetka, Oссора, Severo-Kuril's, Attu Island-F, etc.

Table with columns: Station Name, Time, Res, and various codes (SOC, GNI, etc.). Includes stations like Warramunga Arr, Umh Al-Ruwaisa, Al-Radif, etc.

Table with columns: Station Name, Time, Res, and various codes (CPCH, OVCH, etc.). Includes stations like Hel 03, Ber 03, Casc 03, etc.









MOX eSg Sg 20 50 01.4 -0.4
MOA Molin 3.76 2001 IPN Pn 20 49 25.0 +1.0
MOA 2.6nm,0.3s iSg Sg 20 50 27.6 -1.0

IDC 03 21:00:20.8;1.6,36.13N-31.54E,mb3.7/3,mb1 3.7/6,
mb1mx3.6/16,ML3.3/3,MS3.2/1,Ms1 3.2/1,ms1mx3.0/20,
Error ellipse: s-maj=34.3km s-min=24.8km az=58.0

NIC 03 21:00:21.7;0.4,36.15N-31.54E,h25km,mb4.1,ML3.7,
MW3.2
ISK 03 21:00:21.6,35.83N-31.63E,h4km,MD3.7

NEIC 03 21:00:21.5;0.7,36.02N-31.69E,h10km,Error ellipse:
s-maj=14.2km s-min=10.8km az=206.0
NSSC 03 21:00:36.5,35.41N-32.63E,h30km,5km

ISC 03 21:00:23.4;0.3,35.80N-0.0331.53E,0.03,h25km,n47,
+127.72,mb3.6/5,CZ-70,Cyprus region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like AKMC, ALFC, ALPC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like LCR2, TRC, ITRC, etc.

IDC 03 21:06:42.0;9.3,26.85S-178.32W,mb3.9/2,mb1 4.2/2,
mb1mx3.9/9,Error ellipse: s-maj=252.0km
s-min=56.1km az=164.0,South of Fiji Islands

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

KRSC 03 21:13:54.9;1.6,54.46N,162.89E,h19km,2km,ML3.9
ISC 03 21:13:54.0;0.6,54.44N-0.03,162.93E-0.06,h19km,m25,
+095/45,Near east coast of Kamchatka Peninsula

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

BKI Bering 1.92 65 iS S 21 14 49.4 -1.0
BKI 120nm,1.1s Smax

Zelenaya 2.00 323 eP Pn 21 14 28.3 +0.6
ZLN 1.2nm,0.3s,SNR=16

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

mb1 3.9/11,mb1mx3.9/19,ML4.0/1,MS2.9/1,Ms1 2.9/1,
ms1mx2.6/20,Error ellipse: s-maj=24.6km s-min=11.7km
az=81.0

BUI 03 21:21:55.0;2.4,71.1N-127.65E,h5km,mb4.6
ISC 03 21:21:55.0;3.0,4.25,72N-0.03,128.57E-0.03,h25km,m39,
+1509/54,mb4.1/16,Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like JTT2, NAH1, etc.

NEIC 03 21:34:15.0,35.13N-4.00W,MG3.9(MDD),After MDD.
MDD 03 21:34:15.4;0.9,35.15N-3.99W,mb3.8/26,Error ellipse:
s-maj=9.5km s-min=4.1km az=15.0,PRXIMO

INMG 03 21:34:18.7;1.6,35.29N-3.93W,h31km,18km,ML2.5
Error ellipse: s-maj=11.4km s-min=8.5km az=22.0
ISC 03 21:34:14.9;0.7,35.10N-0.04,3.99W-0.03,h31km,n45,
+129/83,Straits of Gibraltar

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

NIED 03 21:20:01.25,20.80N,128.50E,h32km,Mw4.0 Best double
couple: Mb1.29x10^15 NP1\_9s^1, 890°, 177°. NP2\_9s^1,
897°, 170°
NEIC 03 21:21:49.9;4.5,25.72N-128.37E,h4km,28km,mb4.9/2,
Error ellipse: s-maj=15.2km s-min=9.8km az=117.0
ISC 03 21:21:52.6;0.3,25.78N-128.53E,h52km,M4.0
IDC 03 21:21:53.1;0.6,25.82N-128.45E,h25km,2km,mb3.7/10,







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Table with columns: EARI, Arriondas, 2.50 66 Pn Pn, 00 15 50.1 -0.4, SNR=7.9, Pg Pg, 00 15 57.1 -1.5, etc.

IDD 04 00:29:18.44.1, 36.43N:136.43E, h235km, mb3.3/7, mb1 3.6/9, mb1mx3.4/21, Error ellipse: s-maj=60.3km

JMA 04 00:29:21.8.0.1, 36.30N:137.12E, h266km, 2km, M3.2

ISC 04 01:29:21.2.0.5, 36.36N:107.07-137.0E, 0.1, h266km, 3km, n22, -0.81/20, mb3.4/7, Eastern Honshu

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

IDD 04 00:43:19.2.2.7, 30.50N:130.37E, mb3.7/3, mb1 3.7/4, mb1mx3.5/18, ML2.5/1, Error ellipse: s-maj=58.9km

JMA 04 00:43:20.0.1, 30.33N:131.26E, h34km, 1km, M3.3

ISC 04 00:43:20.0.1, 30.33N:131.26E, 0.1, h45km, 9km, n12, -0.81/20, mb3.5/3, Kyushu

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

IDD 04 00:46:20.7.0.7, 18.97S:173.44W, mb4.5/11, mb1 4.8/12, mb1mx4.7/15, ML5.1/1, Error ellipse: s-maj=42.0km

BUI 04 00:46:25.8, 18.36S:174.24W, h5km, mb4.9, mb4.7, Ms5.0, Ms2.4

NEIC 04 00:46:28.3.0.2, 19.01S:173.46W, h55km, mb4.8/19, Error ellipse: s-maj=12.9km s-min=6.0km az=139.0

ISC 04 00:46:26.7.0.9, 19.1S:0.1, 173.5W, 0.1, h55km, n99, -0.80/49, mb4.7/28, MS4.7/1, 2D, Tonga Islands

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

Table with columns: PV10, Paradox Valley, 83.11 46 eP P, 00 58 48.0 -0.1, ANMO, Albuquerque, 83.22 50 eP P, 00 58 49.4 +0.7, etc.

IDD 04 01:03:01.1.1, 28.00S:176.47W, mb4.0/5, mb1 4.4/8, mb1mx4.3/12, ML4.2/3, MS3.9/1, Ms1 3.9/1, ms1mx3.4/13, Error ellipse: s-maj=44.1km s-min=20.8km az=141.0

NEIC 04 01:01:04.8.0.5, 27.90S:176.50W, h10km, mb4.6/3, Error ellipse: s-maj=20.5km s-min=10.9km az=131.0

ISC 04 01:01:03.0.6.2, 08.20S:0.1, 176.5W, 0.1, h10km, n19, -0.136/17, mb4.2/8, MS3.9/1, 1C-3D, Kermadec Islands

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

4d 2h

1.3nm, 0.8s, baz=11, slow=2.4, SNR=3.9

NEIC 04 01:30:18.1.0.4, 11.01S:165.89E, h75km, mb4.3/3, Error ellipse: s-maj=15.9km s-min=11.9km az=107.0

ISC 04 01:30:19.6.10.0, 11.02S:165.92E, h88km, 94km, mb3.9/8, mb1 4.1/8, mb1mx4.1/12, MS4.3/2, Ms1 4.3/2, ms1mx3.7/12, Error ellipse: s-maj=33.1km s-min=26.0km az=10.0

ISC 04 01:30:11.8.0.6, 11.05S:0.1, 165.9E, 0.1, h33km, n15, -0.87/15, mb4.2/11, MS4.3/2, Santa Cruz Islands

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

NEIC 04 01:56:50.4.1, 24.18S:67.01W, h171km, 11km, mb3.9/6, Error ellipse: s-maj=19.1km s-min=10.2km az=66.0

ISC 04 01:56:51.7.3.9, 24.10S:66.99W, h180km, 29km, mb3.6/3, mb1 3.7/6, mb1mx3.5/13, Error ellipse: s-maj=43.8km

ISC 04 01:56:50.1.1, 6.2421S:0.0919-67.0W, 0.2, h180km, 14km, n22, -0.81/20, mb3.8/8, Chile-Argentina border region

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

MAN 04 02:09:42.9, 10.37N:125.93E, h29km, mb4.4, ML3.3, MS3.0, 1D, Leyte

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

DJA 04 02:10:26.1.1, 0.792S:116.23E, h289km, 12km, ML4.1/3, 5C-2D, Error ellipse: s-maj=69.6km s-min=25.6km az=12.0, Ball Sea

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

NIED 04 02:30:00.4.1, 90N:144.90E, h17km, Mw3.6 Best double couple: M2.55x10^14 NP1 psi=52, 669, 1.130. NP2 psi=165, 844, 1.30

JMA 04 02:33:03.0.0.1, 41.95N:144.93E, h33km, 1km, M3.8

ISC 04 02:33:03.6.3.2, 42.0N:0.2, 144.9E, 0.2, h33km, n4, -0.80/35, Hokkaido region

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

NEIC 04 02:55:09.2, 35.19N:3.98W, MG3.6(MDD), After MDD, MDD 04 02:55:09.5, 1.0, 35.20N:3.98W, mb3.6/14, Error ellipse: s-maj=10.8km s-min=4.2km az=16.0, PRXIMO Aftershock PLICA, Strait of Gibraltar

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





ML.4.(WEL). After WEL. WEL 04 05:42:13.5,0.2,37.775;177.85E, h76km,20M, ML.4./8, Error ellipse: s-maj=1.6km s-min=1.3km az=90.0

ISC 04 05:42:14.8;1.3,38.235;177.63E, h87km,5km, mb3.9/3, mb1 3.9/4, mb1mx3.9/10, Error ellipse: s-maj=34.4km s-min=18.4km az=145.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like PUK, MATAKAOA, MATAWAI, NORTH GISBORNE, UREWERA.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like UREWERA, WHITE ISLAND, KOKOHO, MANAWAHE, MANAWAHE, HAROHARO, TARAWERA.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like LIKENSTEINS R, LIKENSTEINS R, TGRZ TAURANGA, TGRZ TAURANGA, PAEROA, PATZ PAEROA.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like UHU, UHU, BKZ BLACK STUMP FM, WATZ WAIRARA, WATZ WAIRARA, RITZ RHIA ROAD.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like RITZ RHIA ROAD, RITZ RHIA ROAD, RITZ RHIA ROAD, RITZ RHIA ROAD, RITZ RHIA ROAD.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like KATZ KAKARAMEA, KATZ KAKARAMEA, KAVZ KAREWAREWA, KAVZ KAREWAREWA, KAVZ KAREWAREWA.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like PWZ PAWANUI, PWZ PAWANUI, PWZ PAWANUI, PWZ PAWANUI, PWZ PAWANUI.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like MWZ MAUNGAKU, MWZ MAUNGAKU, KUZ KUATOTU, KUZ KUATOTU, KUZ KUATOTU.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like NGZ NGARUHOE, NGZ NGARUHOE, NGZ NGARUHOE, NGZ NGARUHOE, NGZ NGARUHOE.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like TUZ TUPEAKA, TUZ TUPEAKA, TUZ TUPEAKA, TUZ TUPEAKA, TUZ TUPEAKA.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like RAR RAROTONGA, RAR RAROTONGA, RAR RAROTONGA, RAR RAROTONGA, RAR RAROTONGA.

NEIC 04 05:46:50.6,35.11N;3.98W, MG3.5(MDD). After MDD. INMG 04 05:46:51.7,1.2,34.98N;4.04W, h31km,13km, ML.2, Error ellipse: s-maj=6.3km s-min=3.5km az=2.0

ISC 04 05:46:49.1;0.7,35.20N;0.04,4.07W;0.03,n38,,e193/69, 1C-1D, Strait of Gibraltar

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like MELILLA, MELILLA, MELILLA, MELILLA, MELILLA.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like EALB ALBORAN, EALB ALBORAN, EALB ALBORAN, EALB ALBORAN, EALB ALBORAN.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like ERON AGRON, ERON AGRON, ELOJ SIERRA LOJA, ELOJ SIERRA LOJA, ELOJ SIERRA LOJA.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like EBER BERJA, EBER BERJA, ELIJ SIERRA DE LIJA, ELIJ SIERRA DE LIJA, ELIJ SIERRA DE LIJA.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like LLJA LJAJ, LLJA LJAJ, ECOG COGOLLOS-VEGA, ECOG COGOLLOS-VEGA, ECOG COGOLLOS-VEGA.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like ESPR ESPERA, ESPR ESPERA, ELUO LUENO, ELUO LUENO, ELUO LUENO.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like ELOU LUENO, ELOU LUENO, EQES QUESADA, EQES QUESADA, EQES QUESADA.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like EHOH HORNACHUELOS, EHOH HORNACHUELOS, EHOH HORNACHUELOS, EHOH HORNACHUELOS, EHOH HORNACHUELOS.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like EHUE HUASCAR, EHUE HUASCAR, EADA ADAMU, EADA ADAMU, EADA ADAMU.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like EMIN MINA CONCEPCION, EMIN MINA CONCEPCION, EMIN MINA CONCEPCION, EMIN MINA CONCEPCION, EMIN MINA CONCEPCION.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like EGRO EL GRANADO, EGRO EL GRANADO, EGRO EL GRANADO, EGRO EL GRANADO, EGRO EL GRANADO.

AZU Azuero 2.70 103 eP Pn 06 10 34.7 -0.9 ACH Altos 2.98 85 eP Sn 06 10 37.9 -1.7 ACH 06 11 17.5 +0.9

MAN 04 06:11:24.1,8.94N;126.51E, h32km, mb4.4, ML3.3, MS3.0, Mindanao

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like MASLP MAASIN, MASLP MAASIN, MASLP MAASIN, MASLP MAASIN, MASLP MAASIN.

ISC 04 06:14:04.8;1.2,37.19N;0.07,28.35E;0.06, h10km, n5, 095/10, Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like AYDN TASOLUK, AYDN TASOLUK, BDRM KAYABASI, BDRM KAYABASI, BDRM KAYABASI.

NNC 04 06:15:54.0;8.7,39.13N;77.43E, mpv3.6, Error ellipse: s-maj=98.1km s-min=35.9km az=169.0

ISC 04 06:15:59.0;1.1,39.47N;77.60E, h33km, mb4.2/3, Error ellipse: s-maj=18.7km s-min=8.7km az=98.5

BUI 04 06:16:02.1,39.70N;77.57E, h63km, mb4.2, ML4.2, Ms3.8, Msz3.7

NEIC 04 06:16:05.8;1.7,39.71N;77.66E, h64km;15km, mb4.1/6, Error ellipse: s-maj=17.6km s-min=8.9km az=220.0

ISC 04 06:15:59.0;0.5,39.34N;0.02,77.92E;0.06, h35km, 7km, n77, e192/84, mb4.1/5, 7C-5D, Southern Xinjiang

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like UHLH ULAHOL, UHLH ULAHOL, KZA KYZART, KZA KYZART, UCH UCHTOR.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like TKM2 TOKMAK 2, TKM2 TOKMAK 2, AAA ALMA-ATA, AAA ALMA-ATA, AAA ALMA-ATA.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like KBK KARAGAYBULAK, KBK KARAGAYBULAK, AAK ALA-ARBUK, AAK ALA-ARBUK, AML ALMAYASHU.

MDD 04 05:46:50.9;1.0,35.12N;4.00W, mb3.6/13, Error ellipse: s-maj=10.2km s-min=4.5km az=14.0, PRXIMO Aftershock/PLICA

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like BVAO, BVAR, BRVK, ZRNL, etc.

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CASC, DVD, PTP1, etc.

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ILAR, CHKZ, ZRNL, etc.

NEIC 04 07:35:43.3, 38.30S-176.25E, h154km, After WEL. WEL 04 07:35:43.5, 0.3, 38.30S-176.24E, h152km, 3km, ML4.0/4.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like North Island, Urewera, etc.

IDC 04 07:48:04.2, 2.2, 6.79S-128.88E, mb3.5/1, mb1 4.0/3, s-min=32.1km az=67.0, Banda Sea

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

IDC 04 07:51:11.3, 7.4, 19.67S-175.77W, mb4.2/3, mb1 4.5/3, s-min=35.6km az=144.0, Tonga Islands

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

KRSC 04 08:09:40.8, 0.5, 55.21N-161.58E, h80km, 4km, ML3.8, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like MKZ, TUMR, ZLN, etc.

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

IDC 04 08:15:19.7, 0.7, 34.18N-100.99E, mb4.2/15, mb1 4.4/16, mb1mx4.3/21, ML4.0/1, MS3.9/9, Ms1 4.0/9, ms1mx3.8/18, Error ellipse: s-maj=24.8km s-min=14.9km az=47.0

MOS 04 08:15:22.1, 0.9, 34.10N-101.00E, h33km, mb4.5/8, Error ellipse: s-maj=14.3km s-min=8.8km az=106.7

NEIC 04 08:15:23.0, 1.7, 94.14N-100.94E, h21km, 13km, mb4.5/9, Error ellipse: s-maj=6.1km s-min=5.3km az=207.0

ISC 04 08:15:25.2, 3.3, 34.14N-100.05E, h101.00E, 0.06, h33km, 17km, n73, c10/78, mb4.3/27, MS4.0/12, 2C, Qinghai

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Chengdu, Gaotai, Lhasa, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ARCES ARCESS Array B, FINES FINESS Array B, etc.

NEIC 04 09:03:41.9, 50.58N-178.71E, h14km, ML3.5(AEIC), After AEIC... Rat Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KIMD Kanaga Island, KIRH Kanaga Island, etc.

NEIC 04 09:11:38.8, 43.42N-0.63W, h5km, ML2.3(STR), ML2.1(LDG), After STR

STR 04 09:11:38.8-0.8, 43.42N-0.63W, h5km, 1km, ML2.3, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

NEIC 04 09:11:37.0, 0.8, 43.47N-0.04, 0.58W-0.05, h5km, n9, <059/14, Pyrenees

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ORDF Ordiard, REYF Montagne du Re, etc.

KISR 04 09:22:16.1-0.4, 31.77N-51.14E, h77km, MD4.4, ML4.3, mb4.4(NEIC)

MOS 04 09:22:20.4-0.6, 31.88N-50.50E, h33km, mb4.6/8, Error ellipse: s-maj=16.9km s-min=9.0km az=116.8

NEIC 04 09:22:26.2-3.0, 31.82N-50.59E, h77km-20km, mb4.4/8, Error ellipse: s-maj=34.9km s-min=10.6km az=169.0

ISC 04 09:22:21.6-1.2, 31.63N-0.06, 50.59E-0.06, h61km, n13km, n58, <192/64, mb4.1/24, Northern and central Iran

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KBD Kabd, QRN Al-Qurain, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KIV comp=N, 4.0nm, 0.7s, CSS Prodhromos, etc.

ISC 04 09:30:42.2-6.1, 17.59S-178.26W, h639km, 72km, mb2.8/6, mb1.3/2.6, mb1mx3.2/10, Error ellipse: s-maj=94.1km s-min=24.2km az=149.0

ISC 04 09:30:42.0-1.8, 17.55S-0.8-178.4W-0.4, h650km, n7, <026/6, mb3.3/6, Fiji Islands region

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

ISC 04 09:56:20.1-1.3, 11.21N-140.47E, mb3.4/4, mb1.3/6.4, mb1mx3.5/14, Error ellipse: s-maj=71.4km s-min=24.5km az=94.0

ISC 04 09:56:22.9-1.3, 11.11N-2-140.7E-0.6, h33km, n4, <006/4, mb3.3/4, Western Caroline Islands

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

NIED 04 10:07:00, 42.30N-144.40E, h23km, Mw3.6, Best double couple: M3.34x1014 NP134 152, <869, <189, NP2<334, <21, <192

JMA 04 10:07:56.8-0.1, 42.30N-144.36E, h42km-2km, M3.7

ISC 04 10:07:56.1-1.2, 42.29N-0.07-144.36E-0.08, h58km, n18km, n12, <044/19, 2C-4D, Hokkaido region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like JOB Onbets, JOB Akkeshi, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like JFR Furan, JFR Abashiri-Toko, etc.

SKHL 04 10:45:43.9-1.0, 54.00N-124.58E, h10km, mb3.5/2, Southeastern Siberia

MOS 04 10:53:57.7-1.0, 51.35N-159.84E, h42km, mb4.2/2, Error ellipse: s-maj=31.8km s-min=12.7km az=91.7

KRSC 04 10:53:58.3-1.9, 51.37N-159.91E, h40km-14km, ML4.0

ISC 04 10:54:05.0-2.0, 52.40N-159.93E, mb3.9/5, mb1.3/9.5, mb1mx3.6/19, Error ellipse: s-maj=442.0km s-min=56.2km az=147.0

ISC 04 10:55:58.9-1.0, 51.40N-0.06-159.84E-0.09, h45km, n10km, n30, <102/47, mb4.0/5, 1C, Off east coast of Kamchatka Peninsula

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

PAU comp=N, 413nm, 0.4s

UGLR Uglouvaya, SMAR Somma, AVH Avacha, etc.

SKR Severo-Kuril's

SKR comp=E, 70nm, 0.4s

SKR comp=N, 180nm, 0.5s

SKR comp=E, 250nm, 0.5s

GNL Ganaly

MKZ Mys Kozlova

MKZ Mys Kozlova

KMNR Kamensitaya

ESO Esso

SKR Krutoberegovo

SKR Krutoberegovo

Bering

MAR Makanchi Array

SPITS Spitsbergen Arr

BVAR Borovoye Array

FINES FINESS Array B

FINES FINESS Array B

NOA NORARS Array B

NOA NORARS Array B

HLW 04 11:16:20.9, 28.26N-34.14E, h16km, Mb3.0

SNSN 04 11:16:20.0, 28.16N-34.30E, h8km, M1.9

ISC 04 11:16:20.3-0.7, 28.23N-0.06-34.17E-0.05, h16km, n12, <108/16, 4C-2D, Egypt

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like TR1 Jabal Katrina, etc.

NEIC 04 11:33:04.2, 34.19S-70.52W, h105km, MD3.3(GUC), After GUC

GUC 04 11:33:04.2-0.6, 34.19S-70.52W, h105km-2km, MD3.3

Table with columns: Code, Station Name, Az, Phase, ID, Op, Time, Res, ISC. Includes stations like EI Canelo, Cipreses, Chadas Angostu, Las Melosas, Pirque, San Fernando, Talagante, Penololen, Pudahuel, Longovigo, Colegion Aleman, Cerro Calan, Farellones, Peidehue, Las Cruces, El Roble, Jahuel, Talca, Papudo, Tornquist.

MDD 04 11:44:14.3-0.3, 17N-4.13W, mb4.3/28, Error ellipse: s-maj=9.2km s-min=4.1km az=101W, PRXIMO Aftershock/PLICA

NEIC 04 11:44:14.2, 35.17N-3.99W, MG3.4(MDD), After MDD. INMG 04 11:44:15.1-1.4, 35.03N-3.99W, h31km,22km, ML3.2, Error ellipse: s-maj=11.5km s-min=5.6km az=171.0

ISC 04 11:44:17.8, 1.9, 35.69N-4.96W, mb3.8/3, mb1.4/0, mb1mx3.7/18, ML3.8/1, Error ellipse: s-maj=39.1km s-min=28.9km az=102.0

LDG 04 11:44:19.5, 0.4, 35.48N-4.16W, h2km, Md3.8/1, ML3.3/3, Error ellipse: s-maj=9.4km s-min=4.6km az=178.0

ISC 04 11:44:12.4, 0.6, 35.28N-0.04, 4.10W, 0.02, n7.2, e135/127, mb4.0/3, 1C-1D, Strait of Gibraltar

Table with columns: Code, Station Name, Az, Phase, ID, Op, Time, Res, ISC. Includes stations like Melilla, Alboran, Malaga-Limoner, Reales, Jimena Fronter, Momias, Agros, Sierra de Lija, Luja, Cogollos-Vega, Espera, Quesada, Hornacubedo, Huescar, Banos Encina, Adamuz, Mina Concepcio, Piedras, La Murta.

Table with columns: Code, Station Name, Az, Phase, ID, Op, Time, Res, ISC. Includes stations like Alcoutim, Granada, Vianor, Tobarra, Teotonio, Sonseca Array, Beniarra, Montemor, Castelo Branco, Loures, Tomar, Ibiz, Torete, Mantegais, Mosqueruela, Viseu, VLVIS, VLRV, ERTA, PBRG, Calabor, Malorca, ETOB, ELOB, ERUA, EINC, EINC, EAR, EAR, ETSF, ETSF, EALK, EPON, EPON, EPF, EPF, MTLF, RJF, MGF, QUIF, ROSE, STU, ZAL, MKAR, YKA, Tollo Astrono, Ovall, Jachahu, Pajuelo, El Roble, Farellones, Mina Concepcio, Chadas Angostu, Limon Verde.

NEIC 04 12:01:03.6, 29.42S-68.45W, h120km, MD3.2(GUC), After GUC

GUC 04 12:01:03.6, 0.8, 29.42S-68.45W, h120km, MD3.2, ML3.8 ISC 04 12:01:02.0, 1.2, 29.33S-0.03, 66.4W-0.1, h120km, n9, e69/112, 1C-1D, San Juan Provincias

Table with columns: Code, Station Name, Az, Phase, ID, Op, Time, Res, ISC. Includes stations like Tollo Astrono, Ovall, Jachahu, Pajuelo, El Roble, Farellones, Mina Concepcio, Chadas Angostu, Limon Verde.

SYO 04 12:19:25.21, 42S-177.86W, h318km, MB4.2 NEIC 04 12:19:25.0, 7.0, 21.43S-177.86W, h318km, 72km, mb4.2/10, Error ellipse: s-maj=31.0km s-min=22.4km az=186.0

ISC 04 12:19:28.4, 5.6, 21.65S-0.09, 177.9W-0.1, h367km, 58km, n41, e190/22, mb4.0/18, 1C, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Op, Time, Res, ISC. Includes stations like Urewera, Rata Peaks, Stephens Creek, Alice Springs, Warramunga Arr, Kakadu, Fitzroy Crossi, Marble Bar, Pole Hill, Isabella, Columbia Colle, Mima Array Bea, Paradox Valley, Pinedale Array, Zalesovo, Makanchi Array, ARCES Array B, FINESS Array B, Hagsford, Elaziz, Gaziantep, Boyabat, Iskenderun, Jambal al Asfar, Colim, Muntele Rosu, Pruhonice, Kasperke Hory, GERESS Array B, DAVOX, Puketiti, North Gisborne, Urewera, Makara Radio, South Kauri, Birch Farm, Quartz Range, Tophouse, Kahutara, Lake Taylor, McQueen's Vall, Urewera, Rarotonga, Armidale, Stephens Creek, Charters Tower, Alice Springs, Rarotonga, Warramunga Arr, WRA, WRA, Forrest.

HRVD 04 12:33:42.7, 0.4, 32.42S-177.89W, h232km, 1km, MW5.0/48, Centroid moment tensor Solution. LP body waves: s31,c43,Mantle waves: s48,c82; Half duration: 0 Moment tensor: Scale 10^16Nm; Mn2.91±.20; Mw-0.15±.14; Mw-2.7±.13; Mw-0.14±.25; Mw-0.82±.10; Mw1.89±.21; Best double couple: M3.51x10^16 NP1-20; delta29; lambda101; NP2-20; 661; lambda84; Principal axes: T 3.48, P1g73, Azm264; N.05, P1g5; Azm13; P-3.54, P1g16; Azm104; nstia1 refers to body waves, cutoff=480. nstia2 refers to surface waves, cutoff=505.

ISC 04 12:33:48.0, 2.4, 32.74S-0.06, 179.0W-0.1, h28km, 18km, n74, e135/44, mb4.9/12, MS4.4/14, 5C, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Phase, ID, Op, Time, Res, ISC. Includes stations like Puketiti, North Gisborne, Urewera, Makara Radio, South Kauri, Birch Farm, Quartz Range, Tophouse, Kahutara, Lake Taylor, McQueen's Vall, Urewera, Rarotonga, Armidale, Stephens Creek, Charters Tower, Alice Springs, Rarotonga, Warramunga Arr, WRA, WRA, Forrest.





Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like CM31 Chiang Mai Arr, KAKA Kakadu, WRA Warrunguna Arr, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like NAMS An Nimas, BLJS Bajurashi, AB31 Abjukur array, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like PLAL Pickwick Lake, ELN Prospectdale, etc.

IDC 04 14:48:49.2, 7.0, 20.06S, 179.20W, h614km, 73km, mb2.7, mb1 3.1/4, mb1mx3.0/8, Error ellipse: s-maj=122.0km s-min=29.0km az=148.0, Fiji Islands region

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

NIED 04 15:02:00, 42.00N, 144.90E, h26km, Mw4.4 Best double couple: M4.1x10^15 NPT1, 192.871, 1.51, NP2, 79.842, 1.151

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JAK Akkeshi, JAK JOB, etc.

ISC 04 15:02:24.9, 0.9, 41.89N, 0.05, 144.88E, 0.7, h35km, 7km, mb2.1, 1527/69, mb4.0/23, MS4.0/3, 1C, Hokkaido region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ASAJ Ashihara, KUR Kuril'sk, etc.







4d 17h

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like PKKPab, PFAKE, and various 'Lakeview' and 'Waverly' stations.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like SPB4, SPITS, AB31, and various 'Spitsbergen' and 'Arktik' stations.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like NB2, NOA, and various 'NORSAR' and 'NORSTAR' stations.





4.8nm,0.6s									
HNF Hinterferal	151.62 353	ePKIKP	PKPdf	22 02 38.4	+7.1				
BGF Bois d'Angland	153.16 359	ePKIKP	PKPdf	22 02 39.9	+6.5				

DJA 04 21:46:10.3-0.7, 8.61S-115.78E, h34km, gkm, ML3.5/1, 3C-5D, Error ellipse: s-maj=22.5km s-min=6.5km az=158.0, Bali region

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				h m s	ISC
RATI	Rata	0.27 245	Op P	21 46 17.2	-0.6
RATI			P	21 46 22.8	-0.3
KEDI	Kedomdong	0.35 70	Op P	21 46 18.0	-0.7
KEDI			P	21 46 23.8	-0.9
INGI	Ingod	0.66 252	Op P	21 46 22.6	-0.6
INGI			P	21 46 31.2	-1.3
KELI	Kelakatan	1.33 287	Op P	21 46 31.4	-1.4
KELI			P	21 46 47.8	-1.8

IDC 04 21:51:03.9-1.4, 16.36S-64.98W, mb4.4/1, mb1 4.1/4, mb1mx3.9/15, ML3.6/3, Error ellipse: s-maj=37.1km s-min=15.4km az=7.0

ISC 04 21:51:07.7-1.0, 16.4S-64.83W, 0.07, h33km, n6, r154/6, mb4.4/1, Central Bolivia

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				h m s	ISC
LPAZ	La Paz	3.17 272	Op Pn	21 51 58.0	-3.0
LPAZ			P	21 51 58.0	+1.6
LPAZ			S	21 52 33.5	-0.2
LPAZ			Lg	21 52 40.6	
CPUP	Villa Florida	12.07 146	Op P	21 54 00.4	0.0
CPUP			P	21 57 32.3	
BDFB	Brasilia	16.18 90	Op P	21 54 54.1	-0.2
BDFB			Lg	21 59 41.6	
YKA	Yellowknife Arr	87.77 339	Op P	22 03 54.3	+0.1
ZAL	Zalesovo	135.74 25	Op P	22 10 25.9	+1.0
WRA	Warramunga Arr	139.25 208	Op P	22 10 31.1	-1.1

IDC 04 22:01:56.1-2.4, 43.27N-105.16W, mb3.5/2, mb1 3.9/4, mb1mx3.6/17, ML3.6/2, MS3.0/1, Ms1 3.0/1, ms1mx2.5/21, Error ellipse: s-maj=48.7km s-min=7.1km az=153.0

NEIC 04 22:01:59.1-0.6, 43.82N-105.33W, ML3.1, Error ellipse: s-maj=11.1km s-min=7.0km az=148.0, Suspected Mining explosion.

NEIC 55 km [35 miles] SSE of Gillette. ISC 04 22:01:57.9-0.7, 43.78N-107.105.31W, 0.08, n15, r118/13, mb3.8/1, Wyoming

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				h m s	ISC
RSSD	Black Hills	0.98 69	Op P	22 02 18.0	+0.5
BW06	Boulder Array	3.26 253	Op Pn	22 02 52.5	+1.2
PDAR	Pinedale Array	3.26 253	Op Pn	22 02 51.6	+0.3
PDAR			Pg	22 02 58.6	-4.4
PDAR			S	22 03 31.9	+0.4
PDAR			Lg	22 03 38.6	
ISCO	Idaho Springs	3.98 183	Op Pn	22 03 01.9	+0.4
LCCM	Lewis and Clark	5.11 296	Op Pn	22 03 17.1	-0.3
JLU	Jordanle	5.56 237	Op Pn	22 03 22.2	-1.6
RW3	Ridgeway	5.81 199	Op Pn	22 03 33.2	+5.8
SDCO	Great Sand Dun	6.03 181	Op Pn	22 03 30.4	-0.1
PV10	Paradox Valley	6.09 209	Op Pn	22 03 32.0	+0.7
BGU	Big Grassy Mtn	6.39 246	Op Pn	22 03 33.0	-2.6
ULM	Lac du Bonnet	9.13 42	Op Pn	22 04 10.8	-3.1
ULM			Pg	22 04 46.8	+3.3
ULM			S	22 05 53.9	-4.7
ULM			Lg	22 06 44.4	
ULM			P	22 04 10.8	-3.1
ULM			Pg	22 04 46.8	+3.3
ULM			S	22 05 53.9	-4.7
ULM			Lg	22 06 44.4	
SADO	Sadowa	18.74 78	Op LR	22 14 10.1	
YKA	Yellowknife Arr	19.52 347	Op P	22 06 30.5	+1.3
MKAR	Makanchi Array	89.56 355	Op P	22 14 58.6	+0.6

NEIC 04 22:15:14.3, 35.15N-3.71W, h0km, MG3.8(MDD), After MDD

MDD 04 22:15:14.5-0.9, 35.16N-3.71W, mb3.8/26, Error ellipse: s-maj=9.1km s-min=3.6km az=140.0, PRXIMO AftershockPLICA, Strait of Gibraltar

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				h m s	ISC
EMEL	Melilla	0.64 77	Op P	22 15 26.0	-1.2
EMEL			S	22 15 34.7	-0.9
MELI	Melilla	0.65 78	Op P	22 15 26.0	-1.5
MELI			Pg	22 15 36.8	+0.6
EALB	Alboran	0.96 35	Op P	22 15 31.5	-2.1
EALB			S	22 15 45.3	-1.1
REAL	Reales	1.80 318	Op Pn	22 15 45.2	-1.8
REAL			S	22 18 08.8	-2.0
ERON	Agron	1.86 358	Op Pn	22 15 46.2	-1.7
ERON			S	22 16 10.5	-2.0
EBER	Berja	1.86 21	Op P	22 15 44.3	-3.6
EBER			S	22 16 10.3	-2.1
EJIF	Jimena Fronter	1.93 313	Op Pn	22 15 47.5	-1.3
EJIF			S	22 16 11.4	-2.7
ELOJ	Sierra Loja	2.02 350	Op Pn	22 15 48.8	-1.4
ELOJ			S	22 16 14.3	-2.2
ECOG	Cogollos-Vega	2.12 3	Op Pn	22 15 49.5	-2.1
ECOG			S	22 16 16.2	-2.8
ELIJ	Sierra de Lija	2.22 323	Op Pn	22 15 51.4	-1.6
ELIJ			S	22 16 18.7	-2.8
LJJA	Lijar	2.22 322	Op Pn	22 15 52.9	-0.1
ESPR	Espera	2.44 315	Op Pn	22 15 54.2	-1.9
ESPR			S	22 16 23.6	-3.5
ELUO	Luque	2.44 350	Op Pn	22 15 54.4	-1.8
ELUO			S	22 16 24.6	-2.6
EQES	Quesada	2.69 11	Op Pn	22 15 58.4	-1.3
EQES			S	22 16 30.3	-3.2
EHUE	Huescar	2.80 18	Op Pn	22 16 30.1	-1.2
EHUE			S	22 16 32.8	-3.6

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				h m s	ISC
EHOR	Hornachuelos	2.94 336	Op P	22 16 02.1	-1.2
EHOR			S	22 16 36.2	-3.5
EBAN	Banos Encina	3.00 359	Op Pn	22 16 02.2	-2.0
EBAN			S	22 16 38.0	-3.5
EADA	Adamuz	3.08 347	Op P	22 16 03.0	-2.4
EADA			S	22 16 38.7	-4.8
EMUR	La Murta	3.34 36	Op Pn	22 16 06.9	-2.1
EMUR			S	22 16 45.1	-4.9
EMIN	Mina Concepcio	3.53 318	Op Pn	22 16 06.8	-4.9
EMIN			S	22 16 49.8	-5.0
EVIA	Vianos	3.61 15	Op Pn	22 16 10.3	-2.5
EVIA			S	22 16 51.7	-5.1
EGRO	El Granado	3.86 309	Op Pn	22 16 11.2	-5.2
EGRO			S	22 16 54.9	-8.2
ETOB	Tobara	3.89 26	Op Pn	22 16 14.8	-2.0
ETOB			S	22 16 59.0	-4.9
ESDC	Seneca Array	4.51 358	Op Pn	22 16 22.6	-3.1
ESDC			S	22 17 13.7	-6.0
ESLA	Seneca Array	4.51 358	Op Pn	22 16 18.1	-7.6
EIBI	Ibiza	5.59 45	Op Pn	22 16 37.0	-3.9
EIBI			S	22 17 38.5	-8.3
ETOR	Torete	5.80 13	Op Pn	22 16 41.0	-2.9
ETOR			S	22 17 44.0	-8.2
ETOS	Mallorca	6.94 47	Op Pn	22 16 55.7	-4.2
ECAL	Calabor	7.18 342	Op Pn	22 16 59.2	-4.0
ECAL			S	22 18 23.1	-3.4
ELOB	Lobios	7.52 334	Op Pn	22 17 03.8	-4.2
ELOB			S	22 18 25.6	-9.4
EALK	Alkurruntz	8.23 11	Op Pn	22 17 13.6	-4.5

INMG 04 22:24:28.9-1.1, 34.95N-3.96W, h31km, gkm, ML3.0, Error ellipse: s-maj=4.0km s-min=2.7km az=2.0

MDD 04 22:24:29.1-0.9, 35.17N-3.66W, mb4.0/29, Error ellipse: s-maj=9.2km s-min=4.0km az=14.0, AftershockPLICA PRXIMO

NEIC 04 22:24:29.0, 35.18N-3.95W, MG4.0(MDD), After MDD. LDG 04 22:24:30.5-0.6, 35.13N-4.07W, h2km, Md3.9/1, M3.0/3, Error ellipse: s-maj=13.7km s-min=6.4km az=178.0

ISC 04 22:24:28.3-0.6, 35.11N-0.04, 4.02W, h31km, n60, r121/11, Strait of Gibraltar

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				h m s	ISC
EMEL	Melilla	0.89 77	Op Pn	22 24 44.3	-0.5
EMEL			S	22 24 55.4	-1.2
MELI	Melilla	0.91 78	Op Pn	22 24 44.3	-0.6
MELI			S	22 24 56.4	-0.6
EALB	Alboran	1.16 44	Op Pn	22 24 48.0	-0.6
EALB			S	22 25 02.5	-0.9
REAL	Reales	1.68 325	Op Pn	22 24 56.0	-0.1
REAL			S	22 25 15.0	-1.8
EMAL	Malaga-Limoner	1.69 349	Op Pn	22 24 56.3	+0.2
EMAL			S	22 25 16.7	-0.2
EJIF	Jimena Fronter	1.79 319	Op Pn	22 24 59.0	+1.4
EJIF			S	22 25 21.2	+1.8
ERON	Agron	1.92 5	Op Pn	22 25 00.6	+1.1
ERON			S	22 25 24.6	+1.9
ALJ	Aljibes	1.94 317	Op Pn	22 25 06.0	+6.2
EBER	Berja	2.01 27	Op Pn	22 25 00.5	-0.2
EBER			S	22 25 26.0	+0.9
ELOJ	Sierra Loja	2.04 357	Op Pn	22 25 02.7	+1.4
ELOJ			S	22 25 28.0	+2.1
LJJA	Lijar	2.12 328	Op Pn	22 25 04.5	+2.1
LJJA			S	22 25 34.0	+6.1
ELIJ	Sierra de Lija	2.12 329	Op Pn	22 25 05.1	+2.7
ELIJ			S	22 25 29.6	+1.7
ECOG	Cogollos-Vega	2.20 9	Op Pn	22 25 05.1	+1.6
ECOG			S	22 25 31.0	+1.1
ESPR	Espera	2.31 320	Op Pn	22 25 07.3	+2.2
ESPR			S	22 25 35.5	+2.9
ELUO	Luque	2.46 355	Op Pn	22 25 08.5	+1.3
ELUO			S	22 25 39.1	+2.6
EQES	Quesada	2.80 16	Op Pn	22 25 13.9	+1.9
EQES			S	22 25 45.2	+0.1
EHOR	Hornachuelos	2.89 340	Op Pn	22 25 14.5	+1.2
EHOR			S	22 25 46.6	-0.7
EHUE	Huescar	2.94 23	Op Pn	22 25 15.7	+1.7
EHUE			S	22 25 51.0	+2.4
EBAN	Banos Encina	3.06 3	Op Pn	22 25 16.4	+0.7
EBAN			S	22 25 52.8	+1.1
EADA	Adamuz	3.09 352	Op Pn	22 25 17.3	+1.1
EADA			S	22 25 53.3	+0.9
EMIN	Mina Concepcio	3.41 322	Op Pn	22 25 20.8	+0.1
EMIN			S	22 25 50.3	-0.3
CART	Cartagena	3.47 44	Op Pn	22 25 23.0	+1.4
EMUR	La Murta	3.53 39	Op Pn	22 25 23.8	+1.3
EMUR			S	22 25 01.8	-1.8
PALC	Alcoutim	3.66 311	Op Pn	22 25 24.6	+0.4
PALC			S	22 26 05.9	-0.8
EGRO	El Granado	3.70 312	Op Pn	22 25 24.9	+0.1
EGRO			S	22 26 06.0	-2.0
EVIA	Vianos	3.73 19	Op Pn	22 25 25.7	+0.4
EVIA			S	22 26 07.5	-1.2
ET					





HYB	Hyderabad	69.03 290	eP	P	01 00 38.0 -0.9
TRD	Trivandrum	69.20 280	eP	P	01 00 40.2 +0.1
TRD			e	pP	01 00 45.3 +1.7
UNV	comp=Z,30nm,1.4s				
UNV	Unalaska Valle	69.75 28	PFAKE LR	LR	01 00 50.0 +7.3
PTH	Pithoragarh	70.34 303	eP	P	01 00 46.9 +0.2
AKL	Akola	71.09 293	eP	P	01 00 51.0 -0.4
AKL			Amb	AMB	01 00 54.4
BHPL	Bhopal	71.23 296	eP	P	01 00 51.8 -0.5
BHPL			e		01 00 57.5
DDI	Dehra Dun	72.35 303	eP	P	01 00 58.5 -0.3
NDI	New Delhi	72.65 301	eP	P	01 00 59.2 -1.5
NDI			Amb	AMB	01 01 02.8
BILL	comp=Z,33nm,1.0s,mb5.2				
BILL	Bilibino	72.85 8	eP	P	01 01 01.7 +0.6
BILL			pmax	pmax	
KAD	Karad	73.12 289	eP	P	01 01 02.0 -1.6
KAD			e	pP	01 01 06.8 -0.5
SDNR	Sundarnagar	73.55 304	eP	P	01 01 05.5 -0.4
AJM	Ajmer	74.38 299	eP	P	01 01 10.8 -0.1
AJM			pP	pP	01 01 14.7 +0.3
MKAR	Makanchi Array	74.50 321	iP	P	01 01 10.9 -0.2
MKAR	comp=Z,15nm,1.0s,mb4.9,baz=30,slow=6.1,SNR=33		LR	LR	01 32 08.2
MKAR	Makanchi Array	74.50 321	iP	P	01 01 10.9 -0.2
MKAR	comp=Z,415nm,19.2s,MS4.7,baz=266,slow=34		pmax	pmax	
VNDA	Vanda	74.52 176	eP	P	01 01 10.0 -0.7
VNDA			LR	LR	
DLH	Dalhousie	74.64 305	eP	P	01 01 11.0 -1.2
THN	Thein Dam	74.81 305	eP	P	01 01 14.8 +1.6
TIXI	Tiksi	75.75 355	iP	P	01 01 16.7 -1.1
TIXI			eS	S	01 10 55.7 -2.3
TIXI			eSS	SS	01 11 57.7
TIXI			eSS	SS	01 15 46.1 -6.5
TIXI	comp=Z,21nm,1.1s,mb5.0		MLR	MLR	
TIXI	comp=Z,273nm,17.0s,MS4.6		P	P	01 01 18.1 +0.3
TIXI	Tiksi	75.75 355	eP	P	
TIXI	comp=Z,11nm,0.2s,mb5.4		LR	LR	
ZAL	Zalesovo	76.01 328	P	P	01 01 18.8 -0.7
ZAL	comp=Z,7.6nm,0.8s,mb4.7,baz=273,slow=6.7,SNR=28		LR	LR	01 34 29.4
ZAL	Zalesovo	76.01 328	P	P	01 01 18.8 -0.7
ZAL	comp=Z,3um,20.4s,MS5.5,baz=262,slow=35		pmax	pmax	
ZAL	comp=Z,8.0nm,0.8s		MLR	MLR	
TNA	Tin City	76.71 18	eP	P	01 01 22.4 -0.9
TNA			LR	LR	
ULHL	Ulahol	77.04 315	P	P	01 01 28.3 +2.7
ULHL	SNR=6.5		P	P	
NVS	Novosibirsk	77.22 328	eP	P	01 01 24.1 -2.2
NVS			e		01 11 22.1
NVS	comp=N,13nm,1.4s		pmax	pmax	
NVS	comp=E,25nm,1.4s		pmax	pmax	
TKM2	Tokmak 2	77.69 315	P	P	01 01 31.7 +2.5
TKM2	SNR=12		P	P	
KZA	Kyzart	77.70 314	P	P	01 01 30.8 +1.5
KBK	Karagaybulak	78.08 315	P	P	01 01 33.8 +2.5
KBK	SNR=37		P	P	
KURK	Kurchatov	78.20 323	P	P	01 01 31.4 -0.4
KURK	SNR=27		P	P	
KURK	Kurchatov	78.20 323	iP	P	01 01 31.2 -0.6
KURK	SNR=27		pmax	pmax	
BHJ	Bhuj	78.26 294	eP	P	01 01 33.8 +1.1
BHJ			Amb	AMB	01 01 42.5
UCH	Uchtor	78.27 314	P	P	01 01 33.8 +1.4
UCH	SNR=26		P	P	
CHMS	Chumysh	78.31 315	P	P	01 01 32.7 +0.1
CHMS	SNR=11		P	P	
FRU	Bishkek	78.36 315	eP	P	01 01 34.0 +1.2
FRU			pmax	pmax	
AAK	Ala-Archa	78.39 315	P	P	01 01 35.6 +2.6
AAK	SNR=9.3		P	P	
KDAK	Kodiak Island	78.49 29	PFAKE LR	LR	01 01 40.0 +6.8
KDAK			LR	LR	
USP	Ospenovka	78.56 315	P	P	01 01 34.2 +0.2
USP	SNR=12		P	P	
AML	Almayashu	78.83 314	P	P	01 01 36.7 +1.3
AML	SNR=3		P	P	
EKS2	Erkin-Say	78.91 315	P	P	01 01 37.1 +1.2
EKS2	SNR=18		P	P	
RKT	Rikitea	79.17 113	eS	S	01 11 34.1 -1.8
RKT			eL	L	01 23 03.9
RKT			eL	L	01 26 56.5
FIB	Fire Island	81.04 26	PFAKE LR	LR	01 02 00.0 +1.3
FIB			LR	LR	
KKAR	Karatay Array	81.34 314	iP	P	01 01 49.1 +0.3
KKAR			pmax	pmax	
PMR	Palmer	81.67 26	eP	P	01 01 50.1 -0.1
PMR	comp=Z,46nm,1.2s,mb5.3		LR	LR	
IMA	Indian Mountai	81.80 21	eP	P	01 01 51.8 +1.0
IMA			P	P	
SML	Sawmli	82.11 26	eP	P	01 01 52.3 -0.1
MCK	McKinley	82.61 24	eP	P	01 01 54.8 -0.1
MCK	comp=Z,37nm,1.2s,mb5.3		LR	LR	
DIV	Divide	83.00 27	eP	P	01 01 57.9 +0.8
DIV	comp=Z,425nm,21.0s,MS4.8		LR	LR	
DIV	comp=Z,147nm,1.2s,mb5.9		LR	LR	
COLA	College	83.49 23	LR	LR	01 01 58.4 -1.1
COLA	comp=Z,40nm,1.1s,mb5.4		LR	LR	
BVAR	Borovoye Array	83.78 324	P	P	01 02 01.0 -0.1
BVAR	comp=Z,3um,19.0s,MS5.6		P	P	
CHKZ	Chkalovo	83.79 325	iP	P	01 02 00.6 -0.6
CHKZ	comp=Z,14nm,0.8s,mb4.9		pmax	pmax	
CHKZ			pmax	pmax	
CHKZ	Chkalovo	83.79 325	eP	P	01 02 00.4 -0.8
BRVK	Borovoye	83.83 324	iP	P	01 02 01.6 +0.1
BRVK			pmax	pmax	
ILAR	Eielson Array	83.83 24	P	P	01 01 59.1 -2.1
ILAR	comp=Z,39nm,1.1s,mb5.5,baz=257,slow=5.1,SNR=70		LR	LR	01 38 06.4
ILAR	Eielson Array	83.83 24	P	P	01 01 59.1 -2.1
ILAR	comp=Z,453nm,20.1s,MS4.8,baz=275,slow=35		pmax	pmax	
ILAR			pmax	pmax	
ILAR	comp=Z,38nm,1.1s		MLR	MLR	
MAW	Mawson	83.93 202	LR	LR	01 39 41.9
MAW	comp=Z,828nm,18.4s,MS5.2,baz=86,slow=36		PFAKE LR	LR	01 02 10.0 +8.4
MAW	Mawson	83.93 202	PFAKE LR	LR	
ZRNK	Zerenda	84.56 324	P	P	01 02 04.5 -0.6
ZRNK	comp=Z,3um,21.0s,MS5.6		pmax	pmax	
ZRNK	comp=Z,54nm,1.6s,mb5.4		P	P	01 02 04.8 -0.4
ZRNK	Zerenda	84.56 324	eP	P	01 02 13.4 -0.7
QSPA	South Pole Qui	86.48 180	eP	P	
QSPA	comp=Z,10.0nm,0.8s,mb5.1		LR	LR	

DAWY	Dawson	86.70 25	eP	P	01 02 14.8 -0.7
AB31	Akbulak array	89.59 319	eP	P	01 02 28.0 -1.7
AB31			pmax	pmax	
INK	Inuvik	89.93 22	LR	LR	01 04 55.5
INK	comp=Z,990nm,19.8s,MS5.2,baz=271,slow=34		P	P	01 02 30.0 -0.9
SVE	Sverdlovsk	89.97 327	eP	P	01 02 32.0 +0.7
SVE			eS	S	01 13 23.0 +1.5
SVE	comp=N,400nm,16.0s,MS5.4		MLR	MLR	
SVE	comp=E,1um,16.0s,MS5.4		MLR	MLR	
ARU	Arti	91.08 326	iP	P	01 02 35.9 -0.5
ARU	comp=Z,1um,16.0s,MS5.3		pmax	pmax	
ARU	comp=Z,14nm,1.0s,mb5.2		MLR	MLR	
ARU	comp=Z,800nm,21.0s,MS5.1		MLR	MLR	
ARU	comp=N,300nm,18.4s,MS5.0		MLR	MLR	
ARU	comp=E,500nm,20.7s,MS5.0		MLR	MLR	
SYO	Syowa Base	92.38 200	iP	P	01 02 46.2 +4.1
SYO	Syowa Base	92.38 200	iP	P	01 02 50.6 +4.8
SYO	Syowa Base	92.38 200	iP	P	01 02 50.6 +4.8
SYO			eP	P	01 03 00.0 +1.5
OCWA	Octopus Mounta	92.88 43	PFAKE LR	LR	
OCWA	comp=Z,577nm,20.0s,MS5.0		LR	LR	
COR	Corvallis	93.39 46	PFAKE LR	LR	01 03 00.0 +1.3
COR			LR	LR	
HOPS	Hopland	93.40 51	PFAKE LR	LR	01 03 00.0 +1.2
HOPS			LR	LR	
YBH	Yreka Blue Hor	93.75 49	PFAKE LR	LR	01 03 00.0 +1.1
YBH			LR	LR	
GND	Green Mountain	93.78 43	eP	P	01 02 51.2 +2.1
WDC	Whiskeytown Da	93.85 50	PFAKE LR	LR	01 03 00.0 +1.0
WDC			LR	LR	
RMW	Rattlesnake Mo	94.47 43	eP	P	01 02 53.2 +1.0
SAO	San Andreas Ge	94.64 54	PFAKE LR	LR	01 03 00.0 +6.7
SAO			LR	LR	
CMB	Columbia Colle	95.50 52	PFAKE LR	LR	01 03 10.0 +1.3
CMB			LR	LR	
MOD	Modoc	95.55 48	PFAKE LR	LR	01 03 10.0 +1.3
MOD	comp=Z,1um,22.0s,MS5.4		LR	LR	
SNCC	San Nicolas Is	96.19 57	PFAKE LR	LR	01 03 10.0 +1.0
SNCC			LR	LR	
ISA	Isabella	97.04 55	PFAKE LR	LR	01 03 20.0 +1.6
ISA	comp=Z,229nm,22.0s,MS4.6		LR	LR	
NVAR	Nina Array Bea	97.13 52	LR	LR	01 38 03.9
NVAR	comp=Z,872nm,21.2s,MS5.2,baz=340,slow=30		PFAKE LR	LR	01 03 20.0 +1.4
NEW	Newport	97.61 42	PFAKE LR	LR	
NEW			LR	LR	
YKWS	Yellowknife Ar	97.70 27	P	P	01 03 06.0 -0.6
YKWS	comp=Z,355nm,20.0s,MS4.8		P	P	
YKWS	Yellowknife Ar	97.72 27	P	P	01 03 06.0 -0.6
YKWS	comp=Z,3.0nm,0.9s,mb4.8,baz=278,slow=4.4,SNR=34		PKKP	PKKP	01 19 44.3 +4.8
YKA	Yellowknife Ar	97.72 27	P	P	01 03 06.0 -0.6
YKA	comp=Z,0.6nm,0.7s,baz=93,slow=2.7,SNR=7.5		LR	LR	01 46 35.3
YKA	Yellowknife Ar	97.72 27	P	P	01 03 06.0 -0.6
YKA	comp=Z,670nm,20.1s,MS5.1,baz=280,slow=35		pmax	pmax	
YKA	comp=Z,3.0nm,0.9s		pmax	pmax	
YKA	comp=Z,1.0nm,0.7s		MLR	MLR	
YKA	comp=Z,670nm,20.1s		P	P	01 03 06.0 -0.6
YKA	Yellowknife Ar	97.72 27	P	P	01 19 44.3 +4.8
YKA			LR	LR	01 46 35.3
DAC	Darwin (Calif)	97.75 54	PFAKE LR	LR	01 03 20.0 +1.3
DAC			LR	LR	
TPH	Tonopah	97.99 52	PFAKE LR	LR	01 03 20.0 +1.2
TPH			LR	LR	
HLID	Halley	99.82 47	PFAKE LR	LR	01 03 30.0 +1.3
HLID	comp=Z,1um,21.0s,MS5.4		LR	LR	
GNI	Garni	100.32 310	PFAKE LR	LR	01 03 30.0 +1.1
GNI			LR	LR	
KBS	Kingsbay	101.05 352	PFAKE LR	LR	01 03 30.0 +1.1
KBS			LR	LR	
LCCM	Lewis and Clar	101.39 44	eP	P	01 03 23.5 -0.1
NLUJ	North Lily Min	101.80 50	eP	P	01 03 24.7 -1.2
AHID	Auburn Hatcher	102.31 47	PFAKE LR	LR	01 03 40.0 +1.2
AHID			LR	LR	
WUAZ	Wupatki	102.83 55	PFAKE LR	LR	01 03 40.0 +1.0
WUAZ			LR	LR	
BW06	Boulder Array	103.43 47	PFAKE LR	LR	01 03 40.0 +7.2
BW06			LR	LR	
PDAR	Pinedale Array	103.43 47	Pdiff	Pdiff	01 03 35.0 +2.2
TUC	Tucson	103.58 58	PFAKE LR	LR	01 03 50.0 +1.6
TUC	comp=Z,1.1nm,0.9s,baz=270,slow=3.0,SNR=4.7		LR	LR	
ISCO	Idaho Springs	106.82 50	PFAKE LR	LR	01 08 10.0
ISCO	comp=Z,599nm,20.0s,MS5.1		LR	LR	
ANMO	Albuquerque	106.89 55	PFAKE LR	LR	01 08 10.0
ANMO			LR	LR	
SDCO	Great Sand Dun	107.25 52	PFAKE LR	LR	01 08 10.0
SDCO	comp=Z,539nm,21.0s,MS5.1		LR	LR	
TXAR	Lajitas Array	109.88 60	PKKP	PKKP	01 19 24.4 +6.2
TXAR	comp=Z,1.0nm,0.9s,baz=117,slow=5.6,SNR=5.9		eP	P	01 04 07.0 +3.5
KIS	Kishinev	110.42 319	eP	MLR	01 04 07.0 +3.5
KIS			MLR	MLR	
KIS	comp=N,500nm,20.0s		MLR	MLR	
KIS	comp=Z,400nm,20.0s,MS5.0		MLR	MLR	
ULM	Lac du Bonnet	110.78 37	PFAKE LR	LR	01 08 20.0 +1.3
ULM			LR	LR	
CBKS	Cedar Bluff	111.49 50	PFAKE LR	LR	01 08 20.0 +1.2
CBKS			LR	LR	
JCT	Junction City	113.12 58	PFAKE LR	LR	01 08 20.0 +8.1
JCT	comp=Z,949nm,20.0s,MS5.4		LR	LR	
WMOK	Wichita Mounta	113.14 54	PFAKE LR	LR	01 08 20.0 +8.2</



LIC Lamto 150.34 276 ePKIKP PKPdf 01 09 26.2 +5.1
LIC Lamto 150.34 276 eP PKPdf 01 09 26.8 +5.7

MDD 05 01:05:10.9j.1.0.35.54N-3.87W, h1km, 11km, mb3.5/3,
Error ellipse: s-maj=9.3km s-min=6.6km az=176.0,
Aftershock PLICA PRXIMO
NEIC 05 01:05:10.8.35.54N-3.88W, MG3.2(MDD), After MDD.
ISC 05 01:05:08.9j.0.7.35.55N-0.04.3.91W.0.04, h1km, n17,
o0589/32, Strait of Gibraltar

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like ALBOR, EMEL, MELI, AGRON, etc.

ISC 05 01:15:43.6:18.0, 12.53S-167.29E, h167km, 152km,
mb3.5/3, mb1 3.7/3, mb1mx3.6/10, Error ellipse:
s-maj=146.0km s-min=48.2km az=138.0, Santa Cruz
Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like WRA, ILAR, MKAR, etc.

ISK 05 01:27:33.2, 36.89N-43.09E, h5km, MD3.8
ISC 05 01:27:30.3:2.1, 36.6N-0.1x43.4E-0.1, h5km, n11,
o1513/16, 1C, Iraq

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like VANT, TVAN, VAN, etc.

ISC 05 01:27:55.1:3.3, 32.65S-178.27W, mb4.9/1, mb1 5.3/1,
mb1mx4.3/8, Error ellipse: s-maj=164.0km s-min=48.1km
az=164.0,
NEIC 05 01:27:58.9:0.5, 31.33S-178.54W, h10km, mb4.9/7, Error
ellipse: s-maj=17.4km s-min=14.2km az=37.0,
ISC 05 01:28:05.1:1.0, 32.80S-0.05x179.7W-0.2, h10km, n45,
o1550/29, mb4.8/9, 3D, South of Kermadec Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like PUK, URZ, OUZ, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like SNA, CHK, ZRN, etc.

WEL 05 01:31:09.9:0.4, 39.68S-174.09E, h127km, 4km, ML3.6/1,
1C, Error ellipse: s-maj=3.5km s-min=2.5km az=90.0,

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like WAZ, WAZ, NGU, etc.

KRSC 05 01:52:27.4:1.1, 49.74N-156.18E, h70km, 17km, ML3.9,
Kuril Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like SKR, PAU, GRL, etc.

NDI 05 01:56:01.6:2.3, 30.16N-80.77E, h13km, 11km, MD3.3,
ML3.6, 1C, Western Xizang-India border region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like PTH, LGTI, JOSI, etc.

NDI New Delhi 3.43 245 eS Pn 01 57 05.0 +9.1
SDNI Sundarnagar 3.53 293 eS Pn 01 57 34.0 -2.7
SDNR Sona 3.74 240 eS Pn 01 57 09.8 +1.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like KUDL, KUDL, etc.

NEIC 05 02:33:48.4:0.5, 12.44N-92.69E, mb4.1/2, Error ellipse:
s-maj=20.2km s-min=8.2km az=58.0,
ISC 05 02:33:48.9:1.1, 12.50N-92.68E, h44km, 6km, mb3.7/8,
mb1 3.9/8, mb1mx3.8/13, Error ellipse: s-maj=57.5km
s-min=19.3km az=56.0,
ISC 05 02:33:46.6:0.8, 12.50N-0.05x92.57E-0.08, h41km, 10km,
h42km, 1.5km, pp-P, n135, o0593/34, mb4.0/9, Andaman
Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like PBA, BDT, CHG, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like GUN, DMN, KKN, etc.

IDC 05 02:34:07.8:25.0, 18.68N-145.44E, h447km, 299km,
mb3.2/6, mb1 3.5/5, mb1mx3.3/14, Error ellipse:
s-maj=71.0km s-min=36.8km az=31.0,
ISC 05 02:34:02.0:1.9, 18.7N-0.2x145.3E-0.3, h450km, n6,
o0566/6, Mariana Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like WRA, FITZ, FITZ, etc.

BJI 05 02:44:57.8, 13.26N-146.09E, h81km, mb4.9, mb5.0,
Ms4.5,
NEIC 05 02:45:04.2:0.3, 13.63N-145.44E, mb4.7/22, Error
ellipse: s-maj=6.4km s-min=6.2km az=63.0,
NEIC Feit Agana and Barrigada,
IDC 05 02:45:04.4:0.6, 13.64N-145.39E, h81km, 4km, mb4.5/22,
mb1 4.6/22, mb1mx4.6/24, MS3.1/1, Ms1 3.1/1,
ms1mx2.8/19, Error ellipse: s-maj=18.3km s-min=12.8km
az=70.0,
MOS 05 02:45:05.6:0.9, 13.69N-145.41E, h12km, mb4.5/12,
Error ellipse: s-maj=23.7km s-min=9.8km az=102.5,
ISC 05 02:45:04.1:0.6, 13.66N-0.04x145.46E-0.05, h92km, 4km,
h82km, 1.0km, pp-P, n135, o100/125, mb4.7/56, 1C-7D,
Mariana Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like WRA, FITZ, YKA, etc.

GUMO Guam 0.58 263 iJ/P S 02 45 20.4 +0.5
GUMO Guam 0.58 263 eS N 02 45 32.1 +0.5

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like ANA, ANA, ANA, etc.

MAJO Matsushiro 23.69 345 eP P 02 50 08.1 -0.1
MAT Matsushiro 23.69 345 eP P 02 50 07.4 -0.8
MAT Matsushiro 23.69 345 eP P 02 50 07.0 -1.2

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like ASAJ, ASAJ, ASAJ, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like MDJ, MDJ, MDJ, etc.



Table with columns: NEW, Newport, 23.43 100 P, P, 05 08 03.4 +2.3, etc. Lists various stations and their associated data.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, etc. Lists station codes and names like LVC, LPAZ, CPUP, etc.

Table with columns: MEH, Pomariorio, 29.91 84 eP, P, 06 05 40.8 -1.3, etc. Lists station codes and names like CNOR, CMOR, CTA, etc.

IDC 05 05:06:33.6, 5.2, 24.16S:66.79W, h188km, 34km, mb3.4/1, mb 1.3, 4.4, mb1mx3.2/13, Error ellipse: s-maj=76.3km s-min=27.1km az=110.0, Error

NEIC 05 05:06:34.8, 1.0, 24.06S:66.69W, h198km, 10km, Error

MEH 100nm, 1.1s, mb5.4 eP P 06 07 03.6





Table with columns: BINARY, Station Name, Azimuth, Elevation, Phase ID, Time, Res, Residuals. Includes stations like Binghamton, Waverly, Harvard-Oak R, Oxford, Standing Stone, etc.

Table with columns: LUBP, Station Name, Azimuth, Elevation, Phase ID, Time, Res, Residuals. Includes stations like Kota Kinabalu, Taipei, Kakadu, Kunigami, etc.

Table with columns: TIXI, Station Name, Azimuth, Elevation, Phase ID, Time, Res, Residuals. Includes stations like Tixi, Zerkda, Zerkda, etc.

KRSC 05:06:49.38, 1.2, 55.57N, 162.58E, h16km, 2km, ML4.0

Main data table for KRSC station, listing station names, azimuths, elevations, phase IDs, times, residuals, and residuals.

JUNU Nakatsue 27.27 8 LR

Main data table for JUNU station, listing station names, azimuths, elevations, phase IDs, times, residuals, and residuals.

TATS Tathlith 81.51 289 P

Main data table for TATS station, listing station names, azimuths, elevations, phase IDs, times, residuals, and residuals.

GUC 05:06:51.59, 0.9, 31.55S, 67.80W, h5km, MD3.8, ML3.1

Main data table for GUC station, listing station names, azimuths, elevations, phase IDs, times, residuals, and residuals.

ARMA Armidale 43.47 148 eP

Main data table for ARMA station, listing station names, azimuths, elevations, phase IDs, times, residuals, and residuals.

AREO AREOS Array S 88.26 340 eP

Main data table for AREO station, listing station names, azimuths, elevations, phase IDs, times, residuals, and residuals.

MOS 05:07:05.57, 7.1, 5.6, 13N, 126.37E, h33km, mb5.2/23, Error ellipse: s-maj=27.3km s-min=8.8km az=113.4

Main data table for MOS station, listing station names, azimuths, elevations, phase IDs, times, residuals, and residuals.

TOO Toolangi 46.82 159 eP

Main data table for TOO station, listing station names, azimuths, elevations, phase IDs, times, residuals, and residuals.

FINES FINES Array B 89.75 332 P

Main data table for FINES station, listing station names, azimuths, elevations, phase IDs, times, residuals, and residuals.

MAN 05:07:06:07.4, 6.47N, 126.21E, h1km, mb5.3, ML4.2, MS4.4

Main data table for MAN station, listing station names, azimuths, elevations, phase IDs, times, residuals, and residuals.

ULHL Ulaholoh 57.23 317 P

Main data table for ULHL station, listing station names, azimuths, elevations, phase IDs, times, residuals, and residuals.

NOA NORSAR Array B 96.68 334 P

Main data table for NOA station, listing station names, azimuths, elevations, phase IDs, times, residuals, and residuals.











Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ERON, Agron, EBER, Berja, etc.

DJA 05 12:25:15.6 ± 1.0, 10.06S × 114.26E, h27km, 5km, MD4.6/2, ML4.3/4, 3C-5D, Error ellipse: s-maj=20.9km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like INGI, Ingas, RATI, Rata, etc.

HEL 05 12:36:17.8 ± 0.3, 67.65N × 34.10E, ML1.8, ML1.6(NAO), Explosion

NAO 05 12:36:21.4 ± 4.2, 67.32N × 32.65E, ML1.6

ISC 05 12:36:15.8 ± 1.5, 67.60N × 0.0534.1E ± 0.2, n12, n124/23, Baltic States - Belarus - Northwestern Russia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like APA0, Apatity Array, MSF, Maaselka, etc.

BUJ 05 13:22:21.1 ± 0.0, 60.00N × 153.20W, h130km, mb4.5, mb4.6

ISC 05 13:22:22.8 ± 2.6, 60.25N × 153.37W, h122km, 23km, mb4.0/9, mb1.4/1.3, mb1mx4.0/19, Error ellipse: s-maj=19.0km

NEIC 05 13:22:21.3 ± 0.0, 60.02N × 153.15W, h131km, mb4.2/4, After AEC

ISC 05 13:22:21.0 ± 0.2, 60.02N × 0.02-153.12W ± 0.05, h136km, 2km, h122km, 2.6km, P-P, n131, n131/087/145, mb4.2/15, 1D, Southern Alaska

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILW, Iliamna West, IVE, Iliamna Volcan, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CRP, CGLM, Capps Glacier, etc.

ILAR 05 13:25:15.6 ± 1.0, 10.06S × 114.26E, h27km, 5km, MD4.6/2, ML4.3/4, 3C-5D, Error ellipse: s-maj=20.9km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILAR, Ingas, RATI, Rata, etc.

HEL 05 12:36:17.8 ± 0.3, 67.65N × 34.10E, ML1.8, ML1.6(NAO), Explosion

NAO 05 12:36:21.4 ± 4.2, 67.32N × 32.65E, ML1.6

ISC 05 12:36:15.8 ± 1.5, 67.60N × 0.0534.1E ± 0.2, n12, n124/23, Baltic States - Belarus - Northwestern Russia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILAR, Ingas, RATI, Rata, etc.

BUJ 05 13:22:21.1 ± 0.0, 60.00N × 153.20W, h130km, mb4.5, mb4.6

ISC 05 13:22:22.8 ± 2.6, 60.25N × 153.37W, h122km, 23km, mb4.0/9, mb1.4/1.3, mb1mx4.0/19, Error ellipse: s-maj=19.0km

NEIC 05 13:22:21.3 ± 0.0, 60.02N × 153.15W, h131km, mb4.2/4, After AEC

ISC 05 13:22:21.0 ± 0.2, 60.02N × 0.02-153.12W ± 0.05, h136km, 2km, h122km, 2.6km, P-P, n131, n131/087/145, mb4.2/15, 1D, Southern Alaska

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILW, Iliamna West, IVE, Iliamna Volcan, etc.

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

NEIC 05 13:27:07.5 ± 0.7, 51.53N × 177.49E, ML3.8(AEIC), Error ellipse: s-maj=16.2km s-min=6.3km az=190.0

ISC 05 13:27:07.7 ± 0.8, 51.61N × 177.63E, h56km, 5km, mb3.7/10, mb1.3/9.10, mb1mx3.7/19, MS3.5/1, Ms1.3/5.1, ms1mx2.8/2.4, Error ellipse: s-maj=19.4km s-min=9.7km bz=9.0

ISC 05 13:27:05.9 ± 0.8, 51.55N × 177.54E ± 0.07, h55km, h55km ± 1.2km, P-P, n26, n096/27, mb3.9/10, MS3.6/1, Rat Islands

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

MAN 05 13:29:21.2 ± 1.7, 34N-122.56E, h4km, mb4.4, ML3.3, MS3.1, 1D, Luzon

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

ISC 05 13:39:06.2 ± 1.3, 25.74N × 142.49E, mb3.9/4, mb1.4/2/4, mb1mx3.8/16, Error ellipse: s-maj=61.6km s-min=19.6km az=86.0

ISC 05 13:39:05.2 ± 6.4, 25.7N ± 142.8E ± 0.4, h7km, 40km, n5, n186/6, mb3.9/4, Volcano Islands region

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

BER 05 13:59:41.5 ± 0.1, 61.89N × 31.77E, ML2.2(NAO), Suspected explosion

HEL 05 13:59:42.8 ± 0.2, 61.93N × 31.61E, ML1.7, ML2.2(NAO), Explosion

NAO 05 13:59:43.6 ± 4.3, 62.06N × 31.31E, ML2.2

ISC 05 13:59:40.6 ± 2.2, 61.94N × 0.07-31.7E ± 0.2, n11, n095/17, Baltic States - Belarus - Northwestern Russia

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



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

KRSC 05 16:11:50.4:1.4, 49.18N-155.98E, h15km,26km,ML4.5
MOS 05 16:11:51.2:2.3, 49.95N-156.66E, h92km, mb4.0/1, Error ellipse: s-maj=99.4km s-min=15.3km az=78.3

ISC 05 16:11:52.4:1.4, 49.16N, 0.08, 156.6E, 0.2, h15km, n24, 1525/43, 1D, Kuril Islands

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

IDC 05 16:12:44.0:1.6, 3.35S-145.54E, mb4.2/3, mb1 4.4/4, mb1mx4.3/7, ML3.9/1, Error ellipse: s-maj=78.5km s-min=34.1km az=120.0

ISC 05 16:12:47.5:1.5, 3.5S, 0.3, 145.4E, 0.5, h33km, n4, 0593/4, mb4.0/3, Near north coast of New Guinea

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

IDC 05 16:13:56.1:2.0, 3.51S-145.82E, mb3.8/2, mb1 4.3/3, mb1mx4.2/7, ML4.0/1, MS3.4/1, MS1 3.4/1, ms1mx3.2/8, Error ellipse: s-maj=81.6km s-min=35.5km az=116.0

ISC 05 16:13:59.5:1.5, 3.65S, 0.2, 145.7E, 0.3, h33km, n6, 0593/7, mb3.9/4, Near north coast of New Guinea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KAKA, WRA, WRA, AS12, FITZ, MKAR, ILAR, etc.

PRU 05 16:26:35.9, 50.20N, 19.08E
WAR 05 16:26:35.2, 50.10N, 19.20E, ML2.2, Mining Induced
NEIC 05 16:26:36.2, 50.10N, 19.04E, h5km, Error ellipse: s-maj=27.5km s-min=10.6km az=194.0

ISC 05 16:26:33.2:0.8, 50.24N, 0.07, 19.05E, 0.04, n9, 1524/16, Poland

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

SNSN 05 16:26:50.5, 24.53N-49.44E, h69km, M13.6
ISC 05 16:26:48.4:1.1, 24.53N, 0.1, 49.2E, 0.1, h10km, n10, 0597/11, Eastern Arabian Peninsula

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

TAP 05 16:45:14.8, 24.13N, 122.17E, h24km, 1km, ML3.2
JMA 05 16:45:15.4, 0.3, 24.22N, 122.16E, h52km, M2.3
ISC 05 16:45:15.2, 6.24, 24.3N, 0.4, 122.2E, 0.2, h54km, 35km, n6, 0550/10, Taiwan region

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

IDC 05 16:46:31.4:1.8, 3.83S, 146.29E, mb4.1/4, mb1 4.4/5, mb1mx4.3/8, ML4.1/1, MS3.7/3, Ms1 3.7/3, ms1mx3.5/9, Error ellipse: s-maj=66.8km s-min=34.6km az=118.0

NEIC 05 16:46:35.9:1.1, 3.64S, 145.58E, h10km, mb4.4/4, Error ellipse: s-maj=30.0km s-min=11.9km az=92.0

ISC 05 16:46:32.7:0.8, 3.56S, 0.08, 145.7E, 0.2, h10km, n18, 1512/17, mb4.6/13, MS3.7/2, Near north coast of New Guinea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KAKA, WRA, WRA, AS12, FITZ, etc.

BGR 05 17:04:23.7:0.6, 51.54N-16.25E, h1km, ML3.9/9, Error ellipse: s-maj=5.6km s-min=4.4km az=165.0

NEIC 05 17:04:24.8:0.3, 51.61N-16.10E, h5km, ML3.9/(SZGRF), ML3.6(VIE), ML3.5(STR), ML3.3(BRG), Error ellipse: s-maj=4.0km s-min=3.6km az=133.0

LDG 05 17:04:25.1:0.4, 51.82N-16.14E, h1km, M14.4/2, Error ellipse: s-maj=11.3km s-min=5.4km az=156.0, Suspected Mining induced.

IDC 05 17:04:25.8:0.7, 51.49N-15.97E, mb4.0/2, mb1 3.8/9, mb1mx3.7/21, ML3.6/7, MS3.3/2, Ms1 3.3/2, ms1mx2.6/22, Error ellipse: s-maj=15.4km s-min=5.8km az=97.0

WAR 05 17:04:26.3:51.51N-16.06E, h1km, Location given by Rudna mine, origin time based on KSP

PRU 05 17:04:26.6, 51.46N-16.05E, Fell In Harachov
STR 05 17:04:40.6:0.6, 51.87N-13.82E, h5km, 1km, M13.5, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

ISC 05 17:04:23.5:0.3, 51.51N, 0.02, 16.01E, 0.02, n107, 05137/202, mb3.9/2, MS4.0/1, 14C-1D, Poland

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

Table with columns: GUNZ, Gunzen, OJC, Ojcow, etc. Includes station names and coordinates.

WET Wetzell, SMOL Smolenice, MODS Modra-Piesok, VKA Vienna, etc.

WRA comp-Z, 202nm, 19.3s, baz=20, slow=38

AS12 Alice Springs, 22.99 209 eP

FITZ Fitzroy Crossi, 24.40 232 eP

CBJ Chichi jima, 30.66 354 LR

ULN Ulanbaatar, 61.34 331 P

LSA Lhasa, 61.72 306 eP

GUN Gumba, 65.43 303 eP

PKI Pulchoki, 65.72 302 eP

KKK Kakan, 65.89 302 eP

DMN Daman, 65.98 302 eP

GKN Gorkha, 66.50 302 eP

KOL Koldanda, 67.31 302 eP

MKAR Makanchi Array, 74.78 320 P

ZAL Zalesovo, 76.26 328 P

ILAR Eielson Array, 83.78 23 P

YKA Yellowknife Ar, 97.64 27 P

YKA comp-Z, 114nm, 21.8s, MS4.3, baz=215, slow=32

WATA Walderalm, 14nm, 0.5s

WATA Walderalm, 14nm, 0.5s

WATA Walderalm, 14nm, 0.5s

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WATA Walderalm, 14nm, 0.5s











Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AAK Ala-Archa, USP Osenovka, AML Almayashu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like YKA Yellowknife Ar, NB2 NORSAR Subarra, NOA NORSAR Array B, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like LPL La Plagne, IMI Imperia, FIN Finale Ligure, etc.

TYW	Chenhua	1.09 304	IP	P	22 33 08.1 +0.9
TSY					22 33 23.8 -0.5
NSK	Sanguang	1.13 271	IP	P	22 33 08.4 +0.7
NSK					22 33 24.9 +0.2
HWA	Hwalien	1.14 233	EP	P	22 33 07.7 -0.1
HWA					22 33 24.7 -0.6
NNS	Nan Shan	1.14 259	EP	P	22 33 08.5 +0.7
NNS					22 33 25.0 -0.3
TWS1	Kuangyingshan	1.16 292	IP	P	22 33 08.6 +0.5
TWS1					22 33 25.5 -0.1
HATU	Hateruma Jima	1.26 119	IP	P	22 33 10.3 +1.2
HATU					22 33 27.1 +0.4
NCU	National Centre	1.32 283	EP	P	22 33 10.4 +0.6
NCU					22 33 29.6 +0.6
WHF	Hehuan Shan	1.32 247	IP	P	22 33 10.4 +0.5
WHF					22 33 28.6 -0.6
JKRS	Kuro-shima	1.35 108	EP	P	22 33 11.1 +0.9
JKRS					22 33 29.9 +0.2
ESL	Shilin	1.36 232	IP	P	22 33 09.7 -0.6
ESL					22 33 25.0 -4.9
TWT	Tachien	1.36 253	IP	P	22 33 11.4 +1.0
TWT					22 33 29.7 -0.3
HATU	Ishigaki jima	1.44 102	IP	P	22 33 11.6 +0.4
HATU					22 33 30.7 -0.7
NSST	Nanjuang	1.46 269	EP	P	22 33 11.8 +0.4
NSST					22 33 31.3 -0.5
HSN	Hsinchu	1.49 275	EP	P	22 33 11.9 +0.1
HSN					22 33 31.6 -0.5
WDT	Danda	1.62 236	IP	P	22 33 13.2 +0.2
WDT					22 33 33.9 -1.3
NSY	Sanyi	1.69 262	EP	P	22 33 15.1 +0.8
NSY					22 33 35.5 -1.2
TWQ1	Liyutan	1.69 260	EP	P	22 33 14.9 +0.6
TWQ1					22 33 35.2 -0.9
SMLT	Sun Moon Lake	1.74 244	EP	P	22 33 15.5 +0.7
SMLT					22 33 37.7 0.0
TYC	Yuchr	1.76 245	EP	P	22 33 15.8 +0.7
TYC					22 33 38.5 +0.2
TWF1	Yuli	1.77 223	IP	P	22 33 14.4 -0.8
TWF1					22 33 35.9 -2.5
TCU	Taichung	1.83 254	EP	P	22 33 16.4 +0.5
TCU					22 33 40.0 +0.3
YUS	Yu-Shan	1.91 232	EP	P	22 33 17.7 +0.7
YUS					22 33 40.5 -0.9
JTK	Tarama	1.91 90	EP	P	22 33 17.8 +0.8
JTK					22 33 41.1
CHKT	Chengkung	1.93 216	EP	P	22 33 16.3 -0.9
CHKT					22 33 39.2 -2.6
ALS	Alishan	2.00 235	EP	P	22 33 19.2 +1.1
ALS					22 33 44.1 +0.6
ELDTW	Lidau	2.07 225	EP	P	22 33 19.3 +0.5
ELDTW					22 33 43.1 -1.8
WGK	Gukeng	2.10 243	EP	P	22 33 20.2 +0.7
WGK					22 33 47.4 +1.6
CHN2	Minshuang	2.25 240	EP	P	22 33 22.3 +0.9
CHN2					22 33 49.8 +0.6
CHN4	Tsauhuan	2.26 235	EP	P	22 33 22.2 +0.7
CHN4					22 33 50.3 +0.9
STYT	Tauyuan	2.26 229	EP	P	22 33 22.2 +0.7
STYT					22 33 50.3 +0.9
WTCT	Ta-ch'eng	2.26 250	EP	P	22 33 21.4 -0.2
WTCT					22 33 45.9 +0.8
WTP	Ta-pu	2.30 232	EP	P	22 33 22.4 +0.2
WTP					22 33 51.5 +0.9
CHY	Chiayi	2.31 240	EP	P	22 33 22.6 +0.4
CHY					22 33 50.0 -0.6
TW	Pintung	2.31 218	EP	P	22 33 21.0 -1.2
TW					22 33 48.8 -2.2
TN	Taitung	2.33 215	EP	P	22 33 22.4 +0.1
TN					22 33 23.5 +0.3
CHN1	Nanshi	2.40 233	EP	P	22 33 24.7 +2.3
CHN1					22 33 54.0 +0.5
CHN1					22 33 53.4 +0.5
SCST	Jiashian	2.43 230	EP	P	22 33 24.5 +0.8
SCST					22 33 54.4 +0.9
SGJ	Miyako jima 2	2.45 86	EP	P	22 33 24.9 +0.8
SGJ					22 33 54.1 0.0
CHN8	Yiju	2.55 239	EP	P	22 33 25.4 0.0
CHN8					22 33 56.7 +0.8
JOGS	Gusukube	2.55 87	EP	P	22 33 26.1 0.0
JOGS					22 33 57.2 +0.8
ECL	Taimali	2.56 217	EP	P	22 33 23.9 -1.6
ECL					22 33 52.7 +0.7
SSD	Sandimen	2.63 224	EP	P	22 33 27.2 +0.7
SSD					22 33 59.3 +1.0
TW11	Shoushan	2.71 228	EP	P	22 33 25.9 +1.4
TW11					22 33 57.3 -1.3
EAST	Anshuo	2.79 216	EP	P	22 33 27.3 -1.3
EAST					22 33 58.4 +0.2
LAY	Lan-yu	2.79 200	EP	P	22 33 27.4 -1.3
LAY					22 33 58.4 +0.2
SCZT	Fangliu	2.92 219	EP	P	22 33 30.6 +0.2
SCZT					22 34 06.2 +1.0
PNG	Penghu	2.99 249	EP	P	22 33 29.9 -1.4
PNG					22 33 56.7 +0.8
KJM	Kinmen	3.80 267	EP	P	22 33 26.1 0.0
KJM					22 33 57.2 +0.8
JKE	Kume jima 2	4.13 66	EP	P	22 34 34.3 0.0
JKE					22 33 53.1 -0.1
JAGN	Aguni-jima	4.61 64	EP	P	22 34 02.8 -0.8
JAGN					22 34 04.5 -1.4
JIH	Iheya	5.38 63	EP	P	22 34 02.8 -0.8
JIH					22 34 04.5 -1.4
JOW	Kunigami	5.55 66	EP	P	22 34 04.5 -1.4
JOW					22 34 04.3 -4.7
JOW					22 34 04.7 -1.2
JOW					22 35 05.2 -0.6
JTK	Tokunoshima	6.49 60	EP	P	22 34 16.4 -2.4
JTK					22 35 27.5 -4.5
JAM	Amami Oshima	7.30 58	EP	P	22 34 26.8 -3.0
JAM					22 34 33.6 -4.2
JMZ	Minamidaito 2	7.89 80	EP	P	22 35 58.4 -1.8
JMZ					22 35 58.4 -1.8
MKAN	Makanchi Array	36.90 315	EP	P	22 40 55.3 -1.2
MKAN					22 42 30.7 -2.0
WRA	Warramunga Arr	45.79 165	EP	P	22 40 55.3 -1.2
WRA					22 42 30.7 -2.0
WRA					22 42 30.7 -2.0
ASAR	Alice Springs	49.28 166	EP	P	22 41 22.9 -0.8
ASAR					22 41 22.9 -0.8

JAK	Akkeshi	2.41 13	EP	Pn	23 08 25.5 +0.1
JAK					23 08 54.6 +0.2
JKB	Kayabe	2.54 300	EP	Pn	23 08 27.5 +0.2
JAR	Ashorobuto	2.65 357	EP	Pn	23 08 28.3 +0.6
JAR					23 08 59.5 -1.1
JMK	Ichinoseki	2.72 332	EP	Pn	23 08 29.6 -0.2
JFR	Furan	2.72 338	EP	Pn	23 09 01.7 -0.6
NEM2	Nemuro 2	3.02 25	EP	Pn	23 08 33.3 -0.8
NEM2					23 09 08.1 -1.7
JTKR	Abashiri-Toko	3.32 359	EP	Pn	23 08 38.2 -0.2
JTKR					23 09 16.4 -1.1
ASAJ	Kamakawa 2	3.35 345	EP	Pn	23 08 43.6 +1.0
ASAJ	Asahikawa	3.62 344	EP	Pn	23 08 43.6 +1.0
ASAJ					23 09 25.9 +1.0
MAJO	Matsushiro	6.10 230	EP	Pn	23 09 18.1 +0.4
MAT	Matsushiro	6.10 230	EP	Pn	23 09 17.8 +0.1
MAT	Matsushiro	6.10 230	EP	Pn	23 09 21.0 +3.3
MAT					23 10 37.0 +1.0
HJU	Nakatsue	12.89 239	LR	LR	23 15 02.8
HJU					23 12 09.2 -1.3
HJA	Hailar	19.13 305	EP	P	23 13 31.4 +1.1
ULN	Ulaanbaatar	27.21 298	EP	P	23 15 29.8 0.0
ULN					23 15 53.7 +0.2
ZAL	Zalvesovo	41.08 309	EP	P	23 16 05.6 +1.2
ZAL					23 16 44.3 +1.9
MKAN	Makanchi Array	43.99 299	EP	P	23 16 43.9 +1.4
MKAN					23 16 48.9 +4.4
ILAR	Elanur Array	45.38 34	EP	P	23 17 58.9 -1.3
ILAR					23 18 24.8 0.0
INK	Inuvik	50.26 29	EP	P	23 18 35.9 -0.3
INK					23 19 07.8 +0.3
INK	Inuvik	50.26 29	EP	P	23 19 07.8 +0.3
ZRKN	Zerenda	50.51 311	EP	P	23 19 07.8 +0.3
ZRKN					23 19 07.8 +0.3
WRA	Warramunga Arr	60.94 190	EP	P	23 19 07.8 +0.3
WRA					23 19 07.8 +0.3
ARCES	ARCES Array B	61.33 339	LR	LR	23 19 07.8 +0.3
ARCES					23 19 07.8 +0.3
ASAR	Alice Springs	64.66 190	EP	P	23 19 07.8 +0.3
ASAR					23 19 07.8 +0.3
FINES	FINES Array B	66.55 332	EP	P	23 19 07.8 +0.3
FINES					23 19 07.8 +0.3
NOA	NORSAR Array B	71.62 338	EP	P	23 19 07.8 +0.3
NOA					23 19 07.8 +0.3

MK31		2.8mm,0.7s,baz=194,slow=16,SNR=9.7	IP	Pn	23 08 25.5 +0.1
MKAN	Makanchi Array	7.66 21	EP	Pn	23 46 58.3 -0.4
MKAN		0.1mm,0.3s,baz=207,slow=13,SNR=4.3	EP	Pn	23 48 25.2 -0.6
MKAN		0.3mm,0.3s,baz=204,slow=21,SNR=9.6	EP	Pn	23 49 06.4
MKAN		0.3mm,0.3s,baz=202,slow=26,SNR=6.5	EP	Pn	23 47 43.1 -2.2
KURK	Kurchatov	11.04 1	IP	Pn	23 50 45.1
KURK		2.1mm,1.0s,baz=176,slow=8.8,SNR=7.8	IP	Pn	23 52 27.2
KURK		6.3mm,1.5s,baz=86,slow=17,SNR=6.2	IP	Pn	23 52 27.2
BVAO	Boroyeve Array	14.43 340	IP	Pn	23 48 26.6 -3.8
BVAO		0.1mm,0.3s,baz=153,slow=9.7,SNR=4.7	IP	Pn	23 52 27.0
BVAR		0.0mm,0.3s,baz=153,slow=29,SNR=3.5	IP	Pn	23 52 29.2
BRVK	Boroyeve	14.49 340	IP	Pn	23 52 37.9
BRVK		4.6mm,1.4s,baz=84,slow=10,SNR=5.4	IP	Pn	23 52 37.9
ZRKN	Zerenda	14.75 337	IP	Pn	23 47 36.3 -0.4
ZAL	Zalvesovo	14.91 15	IP	Pn	23 51 17.4 -4.8
ZAL		0.1mm,0.3s,baz=249,slow=14,SNR=2.7	IP	Pn	23 52 55.0
ZAL		0.1mm,0.3s,baz=22,slow=21,SNR=2.5	IP	Pn	23 52 46.8
CHZK	Chkalov	14.97 342	IP	Pn	23 52 25.9 -0.4
CHZK		2.2mm,2.5s,baz=157,slow=22,SNR=5.0	IP	Pn	23 52 45.5 +0.4
FINES	FINES Array B	38.33 322	EP	Pn	23 52 45.5 +0.4
FINES		1.1mm,0.8s,m3.6,baz=162,slow=8.8,SNR=3.9	EP	Pn	23 52 45.5 +0.4
ARCES	ARCES Array B	40.61 334	EP	Pn	23 52 45.5 +0.4
ARCES		5.5mm,1.1s,m3.4,baz=97,slow=7.3,SNR=4.9	EP	Pn	23 52 45.5 +0.4

MDD 05 23:50:27.8; 1.0, 35, 20N; 3.91W, mb3.5/15, Error ellipse: s-maj=10.3km s-min=4.5km az=13.0, Aftershock PLICA PRXIMO  
NEIC 05 23:50:27.7; 35.15N; 3.89W, h7km, MG3.5(MDD), After MDD.  
INMG 05 23:50:28.0; 1.0, 34, 99N; 3.88W, h37km, 14km, ML2.3, Error ellipse: s-maj=4.1km s-min=2.7km az=7.0  
ISC 05 23:50:27.2; 0.8, 39, 09N; 0.05; 3.93W; 0.03, h37km, n27, c1508/50, Strait of Gibraltar

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
EMEL	Melilla	0.82 75	Op P	23 50 42.3 -0.1	
EMEL				23 50 53.1 -0.4	
EALB	Alboran	1.12 40	Op S	23 50 46.7 +0.1	
EALB				23 51 00.2 -0.8	
EJIF	Jimena Fronter	1.85 318	Op P	23 50 58.0 +0.9	
EJIF				23 51 21.0 +1.6	
ERON	Agron	1.93 3	Op P	23 50 59.1 +0.9	
ERON				23 51 22.3 -0.8	
EBER	Berja	1.99 25	Op P	23 50 58.3 -0.8	
EBER				23 51 23.4 +0.3	
ELOJ	Sierra Loja	2.06 355	Op P	23 50 59.8 -0.3	
ELOJ				23 51 25.0 +1.0	
ELIJ	Sierra de Lija	2.17 328	Op P	23 51 03.8 +2.1	
ELIJ				23 51 28.6 +0.9	
LJJA	Lijar	2.17 327	Op P	23 51 04.5 +2.8	
ECOG	Cogollos-Vega	2.21 8	Op P	23 51 02.7 +0.5	
ESPR	Jimena	2.37 319	Op P	23 51 05.8 +1.3	
ESPR				23 51 33.4 +0.8	
ELUO	Luque	2.48 354	Op P	23 51 07.1 +0.9	
ELUO					

6d 1h

2004 MAR

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like Alice Springs, Fitzroy Crossi, Stephens Creek, etc.

WAR 06 00:43:58.6 0.50 36N, 18.86E, ML2.5, Mining Induced
PRU 06 00:43:59.8 5.0 32N, 18.83E
ISC 06 00:43:57.6 0.8 50.41N, 0.05 18.83E, 0.04, n9, +127/15,

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like Raciborz, Ojcow, Ostrova-Krasne, etc.

ISC 06 00:58:33.6 2.6, 2.0, 26S, 178.36W, h631km, 34km, mb3/8,
mb1 4.0, 9, mb1mx3.9/1.1, Error ellipse: s-maj=37.0km
s-min=10.9km az=150.0

SYO 06 00:58:37.9 1.9, 19.9S, 178.55W, h678km, MB4.6
NEIC 06 00:58:37.9 1.9, 19.9S, 178.55W, h678km, 23km, mb4.6/9,
Error ellipse: s-maj=16.7km s-min=12.6km az=117.0

ISC 06 00:58:38.2 8.2, 19.9S, 0.1, 178.5W, 0.1, h638km, 32km,
n78, +091/29, mb4.1/16, 8C-6D, Fiji Islands region

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

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like Indian Mountain, Eielson Array, SNAAS, etc.

ISC 06 01:00:53.7 5.9, 17.58S, 176.96W, mb3.9/2, mb1 4.2/2,
mb1mx3.8/1.0, Error ellipse: s-maj=292.0km
s-min=51.6km az=146.0, Fiji Islands region

MDD 06 01:20:02.9 1.2, 35.02N, 4.05W, mb3.5/8, Error ellipse:
s-maj=12.5km s-min=4.8km az=12.0, Aftershock PLPCA
PRXIMO
NEIC 06 01:20:02.4, 34.98N, 4.08W, MG3.3(MDD), After MDD,
ISC 06 01:20:02.5 1.1, 35.02N, 0.09 4.09W, 0.06, h161km, 16km,

n21, +094/38, Strait of Gibraltar

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like Mellilla, Alboran, Sierra Loja, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like Quesada, Eielson Array, SNAAS, etc.

IDC 06 01:41:02.6 2.7, 5.64S, 127.95E, mb3.8/1, mb1 4.7/3,
mb1mx4.3/9, ML4.3/9, Error ellipse: s-maj=318.0km
s-min=28.6km az=66.0, Banda Sea

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

IDC 06 01:46:11.5 2.0, 1.02N, 125.85E, mb3.3/3, mb1 3.6/3,
mb1mx3.5/1.0, Error ellipse: s-maj=184.0km
s-min=25.3km az=65.0, Northern Molucca Sea

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

IDC 06 01:55:20.1 2.9, 21.94S, 171.38E, h68km, 24km, mb4.2/5,
mb1 4.4/6, mb1mx4.3/1.0, MS4.0/5, Ms1 4.0/5, ms1mx3.5/1.4,
Error ellipse: s-maj=48.7km s-min=17.7km az=162.0

NEIC 06 01:55:24.9 1.7, 22.25S, 171.54E, h118km, 13km, mb4.5/8,
Error ellipse: s-maj=16.7km s-min=11.9km az=50.0

BUI 06 01:55:24.9, 22.30S, 171.50E, h118km, mb5.0, mb4.8
ISC 06 01:55:25.1 2.0, 22.45S, 0.1, 171.4E, 0.1, h127km, 16km,
n43, +150/31, mb4.5/15, 3C-1D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like Mont Dzumac, Port Laguerre, Urewera, etc.

ISC 06 01:55:25.1 2.0, 22.45S, 0.1, 171.4E, 0.1, h127km, 16km,
n43, +150/31, mb4.5/15, 3C-1D, Southeast of Loyalty Islands

ISC 06 01:55:25.1 2.0, 22.45S, 0.1, 171.4E, 0.1, h127km, 16km,
n43, +150/31, mb4.5/15, 3C-1D, Southeast of Loyalty Islands

ISC 06 01:55:25.1 2.0, 22.45S, 0.1, 171.4E, 0.1, h127km, 16km,
n43, +150/31, mb4.5/15, 3C-1D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like Chanchung, Enshi, Beijing, etc.

comp=Z,1.8m,0.9s,baz=56,slow=4.8,SNR=9.3

**IDC 06 02:24:00.3:2.9,32.63Sx178.25W,mb4.1/2,mb1 4/3, mb1mx4.0/10,ML3.7/1,MS3.2/1,Ms1 3.2/1,ms1mx3.0/14, 1C-1D, Error ellipse: s-maj=68.1km s-min=35.8km az=119.0, South of Kermadec Islands**

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
URZ	Urewera	6.77	213	Op	ISC	02 25 41.1	-2.3
URZ		1.6nm,0.3s,baz=69,slow=1.4,SNR=4.3					
URZ		2.9nm,0.3s,baz=161,slow=18,SNR=10				02 26 57.7	-4.5
URZ		comp=Z,1.63nm,18.3s,baz=142,slow=39					
ASAR	Alice Springs	42.82	269	P	P	02 32 00.6	-1.1
WRA	Warramunga Arr	44.01	275	P	P	02 32 09.3	-2.1
VNA3	Neumayer Olymp	76.10	176	Op	ISC	02 36 02.0	+1.1
VNA2	Neumayer-Watz	76.53	177	Op	ISC	02 36 04.6	+1.1
FINES	FINES Array B	147.15	339	PKPbc	PKPpdf	02 34 43.7	-0.4
		0.9nm,0.6s,baz=45,slow=3.9,SNR=12					

TRN 06 02:34:11.1, 11.24N-61.92W, h21km, MD2.9  
 FUNV 06 02:34:11.3, 11.08N-61.88W, h73km, MW2.8  
 IDC 06 02:34:09.0-0.9,11.10N-0.04-61.90W±0.05, h86km±10km, n9,±1904/18, Windward Islands

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
GUVI	Guiria	0.56	215	Op	ISC	02 34 24.3	+0.4
GUVI		eS				02 34 34.5	-0.5
TRN	Trinidad (W)	0.67	133	Op	ISC	02 34 26.4	+1.4
TRN		eS				02 34 37.3	+0.4
GRW	Mount Saint Ca	1.07	12	Op	ISC	02 34 29.5	+0.1
GRW		eS				02 34 42.7	-2.2
ITEV	Isla Los Testi	1.24	282	Op	ISC	02 34 32.4	+0.8
ITEV		eS				02 34 48.3	-0.2
CRUV	Carupano	1.38	252	Op	ISC	02 34 34.0	+0.6
CRUV		eS				02 34 51.7	0.0
GUVI	Guanoaco	1.39	228	Op	ISC	02 34 35.0	+1.4
GUVI		eS				02 34 51.4	-0.4
SSV	Crater Summit	2.31	17	Op	ISC	02 34 46.5	+0.5
SSV		eS				02 35 13.0	-0.4
RIOV	Rio Grande	3.02	178	Op	ISC	02 34 56.3	+0.6
RIOV		eS				02 35 27.8	-3.1
GURV	El Guri	3.52	200	Op	ISC	02 35 02.3	-0.4
GURV		eS				02 35 40.3	-3.2

NEIC 06 02:35:35.6, 8.45Sx115.95E, h42km, After DJA.  
 DJA 06 02:35:35.6, 0.9, 8.45S, 115.95E, h42km, 9km, ML3.6/2,  
 Error ellipse: s-maj=20.6km s-min=13.3km az=146.0,  
 IDC 06 02:35:34.6±1.2, 8.45S±0.1, 115.91E±0.05, h42km, n6,  
 ±632/10, 5C-4D, Bail region

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
KEDI	Kedomdong	0.22	118	Op	ISC	02 35 42.4	+0.1
KEDI		Op				02 35 47.3	-0.3
RATI	Rata	0.51	228	Op	ISC	02 35 45.6	+0.1
RATI		Op				02 35 53.1	-0.2
INGI	Ingas	0.88	240	Op	ISC	02 35 50.8	+0.2
INGI		Op				02 36 02.5	+0.1
INGI		Op				02 35 50.8	+0.2
INGI		Op				02 36 02.6	+0.2
KELI	Kelakatan	1.42	277	Op	ISC	02 35 58.9	+0.5
KELI		Op				02 35 55.1	-0.6

NEIC 06 02:53:41.9, 1.1, 32.89Sx177.89W, h10km, mb4.7/2, Error ellipse: s-maj=28.6km s-min=17.1km az=108.0,  
 IDC 06 02:53:41.9±2.5, 32.71S±178.24W, mb4.5/2, mb1 4.6/4, mb1mx4.3/11, ML4.1/2, Error ellipse: s-maj=61.5km s-min=31.4km az=116.0

**IDC 06 02:53:38.3:1.8, 32.9S, 0.1x177.7W, 0.3, h10km, n13, ±0549/10, mb4.5/4, 2C, South of Kermadec Islands**

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
URZ	Urewera	6.85	217	Op	ISC	02 55 22.3	+0.9
URZ		3.5nm,0.3s,baz=51,slow=5.6,SNR=18					
URZ		7.9nm,0.3s,baz=162,slow=20,SNR=11				02 56 40.0	-0.2
SNZO	South Karori	10.38	214	Op	ISC	02 56 05.4	-5.0
SNZO		0.9nm,1.2s					
RPZ	Rata Peaks	13.97	216	Op	ISC	02 56 58.1	-0.4
RPZ		0.9nm,0.3s,baz=2.9,slow=19,SNR=4.1					
CTAO	Charters Tower	34.53	283	Op	ISC	03 00 29.6	+0.6
CTAO		5.8nm,0.7s,mb4.6					
ASAR	Alice Springs	43.30	269	Op	ISC	03 01 41.8	-0.3
ASAR		3.5nm,0.6s,mb4.3,baz=110,slow=7.8,SNR=53					
WRA	Warramunga Arr	44.51	274	Op	ISC	03 01 51.4	-0.5
WRA		4.9nm,0.7s,mb4.5,baz=116,slow=7.6,SNR=69					
VNDA	Vanda	45.68	186	Op	ISC	03 02 00.4	-0.1
VNDA		9.4nm,1.0s,mb4.7					
VNDA		e				03 02 12.8	
VNA3	Neumayer Olymp	75.83	176	Op	ISC	03 05 43.7	+1.8
VNA2	Neumayer-Watz	76.77	177	Op	ISC	03 05 46.3	+1.8
ARCES	ARCES Array B	147.05	347	PKP	PKPpdf	03 13 11.2	+0.1
ARCES		4.9nm,1.0s,baz=18,slow=2.9,SNR=3.3					
KAF	Kangasniemi	146.95	339	Op	ISC	03 13 23.4	+3.5
KAF		4.1nm,0.7s					
FINES	FINES Array B	147.54	339	PKPbc	PKPpdf	03 13 25.6	+3.3
FINES		1.8nm,0.5s,baz=72,slow=4.8,SNR=23					
MOX	Moxa	160.96	342	Op	ISC	03 13 44.0	+3.1
MOX		PKPpdf					

IDC 06 02:54:10.7:7.4, 48.36Sx119.96E, mb3.4/2, mb1 3/2, mb1mx3.6/5, Error ellipse: s-maj=805.0km s-min=73.5km az=111.0, Western Indian-Antarctic Ridge

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
ASAR	Alice Springs	27.01	29	Op	ISC	02 59 54.6	-1.5
ASAR		0.5nm,0.7s,baz=201,slow=9.1,SNR=4.1					
WRA	Warramunga Arr	30.63	27	Op	ISC	03 00 26.3	-2.4
WRA		0.4nm,0.9s,baz=197,slow=9.7,SNR=3.4					
YKA	Yellowknife Ar	147.08	44	PKPbc	PKPpdf	03 13 53.4	-0.5
YKA		0.2nm,0.7s,baz=268,slow=2.3,SNR=5.4					

NEIC 06 03:03:14.9, 29.39Sx71.32W, h47km, MD3.7(GUC), After GUC.

GUC 06 03:03:14.9, 0.5, 29.39Sx71.32W, h47km, 7km, MD3.7, ML2.7, 3C, Near coast of central Chile

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
TLL	Tololo Astrono	0.90	150	Op	ISC	03 03 32.6	+1.3
TLL		iS				03 03 45.4	+2.1
TLL		AMP				03 03 51.3	

comp=E,158nm,0.5s

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
VACH	Vallenar	0.95	311	Op	ISC	03 03 32.4	+0.4
VACH		iS				03 03 45.6	+0.9
VACH		AMP				03 03 46.5	

comp=E,1µm,0.2s

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
OVCH	Ovalle	1.22	175	Op	ISC	03 03 36.0	+0.2
OVCH		iS				03 03 51.7	+0.3
CMCH	Combarbala	1.80	171	Op	ISC	03 03 44.2	+0.2
CMCH		iS				03 04 06.5	+0.7

IDC 06 03:12:11.2:2.2, 6.50Sx129.41E, mb3.3/1, mb1 3.6/3, mb1mx3.6/8, ML3.2/2, Error ellipse: s-maj=120.0km s-min=33.6km az=68.0, Banda Sea

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
WRA	Warramunga Arr	14.20	161	Op	ISC	03 15 33.6	-2.3
WRA		0.2nm,0.3s,baz=340,slow=13,SNR=10					
WRA		0.2nm,0.3s,baz=330,slow=22,SNR=7.0				03 18 00.3	-1.5
ASAR	Alice Springs	17.61	166	Op	ISC	03 16 18.3	-1.5
ASAR		0.1nm,0.3s,baz=338,slow=11,SNR=6.6					
MKAR	Makanchi Array	67.49	327	Op	ISC	03 23 09.2	-2.1
MKAR		0.1nm,0.3s,baz=129,slow=7.3,SNR=4.1					

**IDC 06 03:14:25.1:5.0, 3.47S, 138.91E, mb3.9/3, mb1 4/1, mb1mx4.0/8, ML3.9/1, Error ellipse: s-maj=219.0km s-min=28.0km az=87.0, Irian Jaya**

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
WRA	Warramunga Arr	16.96	195	Op	ISC	03 18 24.1	-1.5
WRA		0.5nm,0.3s,baz=16,slow=12,SNR=11					
WRA		0.2nm,0.3s,baz=12,slow=22,SNR=3.9				03 21 23.3	-1.1
ASAR	Alice Springs	20.65	193	Op	ISC	03 19 06.5	-2.6
ASAR		0.5nm,0.3s,baz=22,slow=11,SNR=11					
MKAR	Makanchi Array	70.51	323	Op	ISC	03 23 42.0	-1.8
MKAR		0.7nm,0.5s,baz=108,slow=8.3,SNR=12					
BVAR	Borvoeye Array	80.5	325	Op	ISC	03 26 36.5	-1.6
BVAR		1.0nm,0.5s,baz=128,slow=6.6,SNR=6.0					

**HLW 06 03:15:47.3, 23.77N, 35.21E, h4km, Mb3.7, 5C-2D, Egypt**

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
HAGS	Hagol	0.64	341	Op	ISC	03 15 59.6	-0.5
HSHL	BIT Shalaty	0.68	165	Op	ISC	03 16 00.5	-0.4
EMRS	Mersa Alam	1.28	345	Op	ISC	03 16 10.9	-0.8
EMRS		iS				03 16 28.3	0.0
HADB		Op				03 16 16.3	-1.1
AKRL	Khor El Rami	2.28	268	Op	ISC	03 16 25.0	-1.4
ANMR	North Marawa	2.43	270	Op	ISC	03 16 27.0	-1.4
ANMR		Op				03 16 35.4	-1.4

MDD 06 03:22:14.0:1.1, 35.17N, 3.97W, h0km, 11km, mb3.5/14, Error ellipse: s-maj=14.8km s-min=6.4km az=173.0, PRXIMO Aftershock/PLICA

NEIC 06 03:22:13.8, 35.16N, 3.98W, MG3.4(MDD), After MDD.  
 IDC 06 03:22:12.5:0.8, 35.24N, 0.05:4.0W, 0.03, h0km, n21, ±112/39, Strait of Gibraltar

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
EMEL	Melilla	0.86	86	Op	ISC	03 22 29.5	-0.1
EMEL		117nm,0.1s,SNR=11					
EMEL		191nm,0.2s,SNR=6.2				03 22 41.1	+0.1
MELI	Melilla	0.87	86	Op	ISC	03 22 30.4	+0.5
MELI		Op				03 22 40.1	-1.5
EALB	Alboran	1.05	48	Op	ISC</		



Table with columns: Station, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like UPA Otavalo, David, JuntasAbangare, etc.

Table with columns: Station, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like LDF La Druitiere, RJF Les Rejaudoux, MTLF Montleou, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like RAB Rabaul, WAB Wau, PMG Port Moresby, etc.





Table with columns for station name, coordinates, and various parameters. Includes stations like NIE Niedzica, GOGA Godfrey, SCHO Schefferville, etc.

Table with columns for station name, coordinates, and various parameters. Includes stations like FLN La Foliniere, BGF Bois d'Agland, PLDF La Plantade, etc.

Table with columns for station name, coordinates, and various parameters. Includes stations like TRQA Torquist, CPUP Villa Florida, LPAZ La Paz, etc.









6d 10h

Table with columns for call sign, frequency, power, and other technical details. Includes entries like MOX, NB2, WTTA, SFI, WATA, CTI, PGD, GRA1, etc.

2004 MAR

Table with columns for call sign, frequency, power, and other technical details. Includes entries like PLDF, AVF, LASF, AGO, LBL, BGF, etc.

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Table with columns for call sign, frequency, power, and other technical details. Includes entries like SML, KDAK, KDC, SNZO, RES, INK, etc.









6d 16h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like OSSE, Ordiarp, Montagne du Re, Graus, etc.

NNC 06 14:29:22.9.2.7, 49.85N-87.80E, h18km, 10.3km, mpv4.0, 9C-6D, Error ellipse: s-maj=22.7km s-min=13.3km az=101.0, Kazakhstan-Xinjiang border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes station MAK31 Makanchi Array.

2004 MAR

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations MKK31, KURK, CHKZ, BRVK, ZRNK, etc.

DJA 06 14:37:13.3.0.9, 10.07S-114.13E, h33km, MD4.6/2, ML4.6/4, 2C-6D, Error ellipse: s-maj=19.1km s-min=16.3km az=6.0, South of Bait

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations INGI, KELI, KELI, RATI, KEDI, etc.

TAP 06 14:47:43.6.22.58N.121.35E, h12km, 1km, ML3.9 JMA 06 14:47:45.7.0.22.57N.121.54E, h46km, ML3.5 ISC 06 14:47:45.8.2.1.22.6N.0.2-121.7E.0.2, h12km, n6, o32/12, Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations YOJ, HATJ, IRIF, JKRS, etc.

NEIC 06 15:09:34.7, 39.78N-20.67E, h5km, MD3.4(ATH), After ATH. THE 06 15:09:35.8, 39.84N-20.60E, h10km, ML3.3 ATH 06 15:09:35.2, 39.80N-20.64E, h20km, 2km, MD3.3/5 ISC 06 15:09:34.9.0.5, 39.85N.0.03-20.57E.0.03, h6km, 5km, n36, c126/54, 1C-1D, Greece-Albania border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations JAN, IGT, SRN, MEV, KEK, etc.

MAN 06 15:40:12.0, 8.19N-123.40E, h10km, mb4.3, ML3.1, MS2.8, 1D, Mindanao

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations PAGZ, DCPH, SIBULAN, etc.

IDC 06 15:44:28.2.1.6, 3.03S-145.03E, mb3.7/2, mb1.4 0/3, s-min1mx4.0/6, ML3.6/1, Error ellipse: s-maj=127.0km s-min=27.5km az=117.0, Near north coast of New Guinea

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

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations ASAR Alice Springs, ILAR Eielson Array.

IDC 06 15:47:24.8.2.1, 4.79S-152.34E, mb3.6/3, mb1.4 0/3, s-min1mx3.9/7, Error ellipse: s-maj=166.0km s-min=26.9km az=127.0, New Britain region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array.

BUJ 06 15:59:15.7, 40.53N-106.02E, h20km, ML3.9, Ms3.6, Ms2.3, Western Nei Mongol

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations BTO Baotou, BTO, BTO, BTO.

WEL 06 15:59:56.9.0.3, 36.57S-179.46W, h12km, ML3.5/1, Error ellipse: s-maj=7.6km s-min=7.4km az=0.0, East of North Island

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations PUZ Puketiti, PUZ, PUZ, MWZ, URZ, URZ.

TAP 06 16:08:19.5, 23.63N-122.43E, h43km, ML2.8 JMA 06 16:08:19.5.0.4, 23.84N-122.83E, h27km Error ellipse: s-maj=45.2km s-min=2.2km az=59.0 ISC 06 16:08:18.9.2.9, 23.8N.0.2-122.8E.0.1, h22km, 14km, n5, c63/43, Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations YOJ, HATJ, IRIF, JKRS, etc.

IDC 06 16:16:09.6.0.9, 16.19N-93.55W, h96km, 5km, mb3.6/8, mb1.3/9.9, mb1mx3.7/18, MS3.2/3, Ms1.3/2.3, ms1mx3.0/18, Error ellipse: s-maj=45.2km s-min=2.2km az=59.0

NEIC 06 16:16:10.2, 16.10N-93.93W, h111km, mb4.2/4, MD4.4(MEX), After MEX. MEX 06 16:16:10.3.1.0, 16.10N-93.93W, h109km, 16km, MD4.4 ISC 06 16:16:07.9.0.6, 16.04N-96.93W, 0.04, h107km, 4km, h97km, 3.1km, pp-P, n40, c125/44, mb3.8/11, 1D, Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations CMIG, SCX, CCIG, TUIG, EVV, OAXA, VHO, etc.





Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KHC, MOXA, GERESS Array S, Wetzell, Niedzica, Rugen, BSN, MOA, PSZ.

STR 06 20:48:41.7-0.1, 43.04N-0.01E, h5km, 1km, ML2.1, Error ellipse: s-maj=0.02km s-min=0.0km az=1.0
NEIC 06 20:48:42.0, 43.02N-0.13E, h2km, ML2.1 (STR), ML1.6(LDG), After LDG.
LDG 06 20:48:42.0-0.1, 43.02N-0.13E, h2km, Md1.5/2, MI1.6/1, Error ellipse: s-maj=3.2km s-min=1.6km az=163.0
ISC 06 20:48:41.9-0.7, 43.02N-0.06-0.15E-0.04, h2km, n5, c093/9, France

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LABF, EPF, VIEF, ETSF, MTLF.

IDC 06 21:26:37.2-1.5, 52.11N-177.53E, mb3.9/6, mb1 4.1/6, mb1 mx3.7/17, Error ellipse: s-maj=45.0km s-min=30.0km az=120.0

NEIC 06 21:26:53.1, 51.92N-177.72E, h157km, After AEIC, ISC 06 21:26:52.0-1.8, 52.11N-177.8E-0.2, h147km, 14km, n13, c050/15, mb3.8/5, Rat Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SMY, FXM, KIWB, KIRH, ADK, ETKA, YKA, YKA, SPITS, ARCES, BVAR, FINES.

GRAL 06 22:02:15.2-3.7, 34.25N-35.31E, h15km, 318km, MD2.8 NSCC 06 22:02:18.5, 34.11N-36.44E, h14km, 2km ISC 06 22:02:15.6-2.2, 34.24N-35.35E-0.1, h12km, gkm, n5, c024/10, 2D, Jordan - Syria region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BHL, HWQ, BRBR, BRBR, GIDA, WRDH, WRDH.

MDD 06 22:47:56.4-0.3, 42.43N-1.09E, mbLg1.6/13, Error ellipse: s-maj=2.6km s-min=1.9km az=92.0, PRXIMO NEIC 06 22:47:56.4, 42.44N-1.11E, ML2.0(LDG), MNI.9(MDD), After MDD.
LDG 06 22:47:56.9-0.2, 42.48N-1.08E, h2km, Md2.1/2, MI2.0/6, Error ellipse: s-maj=3.7km s-min=1.5km az=174.0
ISC 06 22:47:54.3-0.4, 42.50N-0.02-1.10E-0.04, n19, c126/27, Pyrenees

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CSOR, SALF, GRBF, CLLI, EMIR, CAVN, EPF, CBRU, EPOB, MTLF, CFON, ETSF, ESAC, ERTA, EALK, LFF.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LASF, RJF, VIVF.

NNC 06 23:06:19.9-1.4, 37.08N-70.38E, h201km, gkm, mpv3/7, Error ellipse: s-maj=15.6km s-min=4.6km az=24.0
ISC 06 23:06:13.8-3.5, 36.7N-70.2-70.5E, h2, h168km, 34km, n12, c0563/14, 1C-2D, Hindu Kush region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like UML, ACH, KK31, EK2S, AAK, CHMS, TKM2, MK31, AB31, ZRKN, BRVK, CHKZ.

NEIC 06 23:28:26.7-4.4, 62N-6.73E, h1km, ML2.3(GEN), ML1.8(LDG), After GEN.
STR 06 23:28:27.0-4.4, 55N-6.90E, h5km, 1km, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0
LDG 06 23:28:27.0-4.4, 63N-6.76E, h7km, Md1.8/2, MI1.8/7, Error ellipse: s-maj=3.5km s-min=1.9km az=95.0
ISC 06 23:28:26.2-0.3, 44.61N-0.02-6.71E-0.03, h10km, 3km, n20, c059/40, France

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MBDF, SURF, OQ22, PZZ, RRL, BHB, STV, Anna di Valdie, Entracque, RSP, ORIF, LPGA, LSD, LPL, SBF, MONE, SMRF, FRF, LMR, VIVF.

WAR 06 23:59:39.7, 51.55N-16.04E, h1km, Location given by Polkowice mine, origin time based upon OJC
NEIC 06 23:59:39.2-1.1, 51.63N-16.02E, h5km, ML2.7(VIE), ML2.0(BRG), Error ellipse: s-maj=14.5km s-min=9.8km az=220.0

PRU 06 23:59:40.5, 51.49N-16.08E
ISC 06 23:59:37.4-0.7, 51.53N-0.03-16.06E-0.04, n17, c120/37, 1C, Poland

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KSP, UPC, DPC, PVCC, BRG, RUE, PRU, CLL, CLL, CLL, Ostrava-Krasne, NOVY, Ojow, Kasperke Hory, MOXA, MOXA, RUGEN, MOA, MOA.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BUI, BER, HEL, ISC.

SWEDEN
Code Station Name Azimuth Phase ID Time Res
KIF Kilpisjärvi 1.32 14 Op P 00 31 16.0 +0.2
KTK1 Kautokeino 1.78 42 eP S 00 31 32.8 +0.8
KTK1 KTK1 eS S 00 31 46.4 +0.0
KTK1 AML AML 00 31 48.8

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TRO, LOF, SGF, MOR8, KEV, OUL, MSF, NSS, VAF, KJN.

ZUR 07 00:45:29.9, 47.07N-7.48E, h12km, ML1.4/9
NEIC 07 00:45:30.1, 47.08N-7.50E, h5km, ML2.1(LDG), ML1.4(ZUR), After LDG.
LDG 07 00:45:30.1-0.1, 47.08N-7.50E, h5km, Md2.3/1, MI2.1/10, Error ellipse: s-maj=1.9km s-min=1.6km az=37.0
ISC 07 00:45:28.9-0.4, 47.08N-0.02-7.41E-0.03, h9km, 5km, n20, c1103/36, 7C-1D, Switzerland

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BALST, BALST, BOURN, TORNY, APL, HASLI, SENIN, BNALP, AIGLE, HINF, GLE, CABF, EMV, HAU, BFO, SFTF, MEZF, MEZF, LOR, SMF, AVF.

NEIC 07 00:52:00.8, 47.09N-7.52E, h5km, ML1.9(LDG), ML1.1(ZUR), After LDG.
LDG 07 00:52:00.8-0.1, 47.09N-7.52E, h5km, Md2.1/1, MI1.9/7, Error ellipse: s-maj=1.7km s-min=1.2km az=35.0
ZUR 07 00:52:00.6, 47.08N-7.50E, h13km, ML1.1/4
ISC 07 00:51:59.2-0.6, 47.05N-0.03-7.38E-0.04, h8km, 8km, n13, c095/23, 2C-1D, Switzerland

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BALST, BOURN, HASLI, BNALP, HINF, CABF, SLE, HAU, SFTF, RFYF.



Table with columns for station name, frequency, mode, and time. Includes stations like SOC, GUMT, ELZG, TBKS, MALT, etc.

Table with columns for station name, frequency, mode, and time. Includes stations like BRG, PVCC, SMOL, PRU, SRO, etc.

Table with columns for station name, frequency, mode, and time. Includes stations like NOA, KONO, GLL, GERES, etc.







Table with columns: Station Name, Time, Res, Code, Station Name, Δ°, AZZ, Phase ID, Time, Res, Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Includes stations like Niedzica, Vyhne, Grafenberg Arr, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Includes stations like Joensuu, ARCES ARCES Array B, Kevo, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Includes stations like BUI 07:04:51:53.2, 40.73N:122.69E, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Includes stations like BUI 07:04:56:29.5, 19.78S:178.31W, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Includes stations like NEIC 07:05:07:01.9, 42.95N:0.10E, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Includes stations like WEL 07:05:15:14.7, 0.3, 36.80S:177.57E, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Includes stations like AOS Alonnissos, AOS Aonissos, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Includes stations like URZ Urewera, URZ Urewera, etc.

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

Table with columns: Station Name, Time, Res, Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Includes stations like URZ Urewera, URZ Urewera, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Includes stations like EMEL Meililla, EMEL Alboran, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Includes stations like EALB Sierra Fronter, EALB Sierra Fronter, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Includes stations like IHA Instituto Hidr, IHA Instituto Hidr, etc.

Table with columns: Station Name, Time, Res, Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Includes stations like RCDM Rinconada Maipo, TACH Talagante, etc.



HYF Saint Gilles	13.11	5	eSn	S	06 43 20.9 -6.2	PRU Pruhonice	20.10	37	eP	P	06 42 26.7 -1.6	comp=Z,639nm,18.4s,MS4.2,baz=109,slow=38	MLR Muntele Rosu	24.97	57	P	P	06 43 17.0 +0.2
SGMF			eSn	S	06 40 59.3 -1.5	PRU Pruhonice			eP	S	06 42 31.1		MLR					
ROSF Rostrenen	13.16	2	ePn	S	06 41 00.3 -1.1	PRU Pruhonice	20.10	37	eP	P	06 46 13.5 +5.0	comp=Z,5.0nm,0.7s	MLR					
SSF Saint Saulge	13.17	23	eSn	P	06 40 59.1 -2.4	PRU Pruhonice			eS	Pmax	06 46 13.5 +5.0		MLR					
EGOM La Gomera	13.18	242	P	P	06 41 04.3 +2.6	PRU Pruhonice			eS	Pmax			MLR					
EGOM			S	S	06 43 16.6 -1.3	CLL Colim	20.29	32	flP	P	06 42 31.0 +0.7	comp=Z,2um,12.0s,MS4.7	KONO Kongsberg	26.07	16	eP	S	06 43 20.8 +1.8
LPG La Plagne	13.20	35	ePn	P	06 41 05.7 +3.7	CLL Colim			i	S	06 42 35.0	comp=Z,1.9nm,12.0s	KONO Kongsberg	26.07	16	eP	P	06 43 30.8 +3.9
LPL La Plagne	13.20	35	ePn	P	06 41 05.7 +3.7	CLL Colim			i	S	06 42 44.2	comp=Z,2um,19.0s,MS4.5	KONO Kongsberg	26.07	16	eP	P	06 43 40.0 +1.3
GRR Gorron	13.41	9	ePn	P	06 41 03.4 -1.4	CLL Colim	20.29	32	flP	P	06 46 19.0 +6.6	comp=Z,639nm,18.4s	KONO Kongsberg	26.07	16	eP	LR	
GRR Gorron	13.41	9	ePn	P	06 41 03.4 -1.4	CLL Colim			i	S	06 46 19.0 +6.6							
LOR Lormes	13.47	24	ePn	P	06 41 06.1 +0.6	CLL Colim			i	S	06 42 44.2	comp=Z,2um,19.0s,MS4.5	SUW Suwalki	26.78	37	eP	P	06 43 34.1 +0.6
LOR Lormes	13.47	24	ePn	P	06 41 06.1 +0.6	CLL Colim			i	S	06 42 44.2		SUW Suwalki			eP	P	06 43 38.1 +1.4
LOR Lormes	13.47	24	ePn	P	06 41 06.1 +0.6	CLL Colim			i	S	06 42 44.2		SUW Suwalki			eP	P	06 43 42.3 +4.1
LDF La Druitiere	13.72	11	ePn	P	06 41 06.3 -2.5	CLL Colim	20.29	32	flP	P	06 42 31.0 +0.7	comp=Z,800nm,32.3s,MS4.1	KIS Kishinev	27.27	54	eP	P	06 43 35.0 -3.1
LDF La Druitiere	13.72	11	ePn	P	06 41 06.3 -2.5	CLL Colim			i	S	06 42 44.2		KIS Kishinev			eP	P	06 44 44.0
CABF La Chapelle	13.76	31	ePn	P	06 41 11.6 +2.3	ZST Bratislava	20.40	44	eP	P	06 42 32.2 +0.7	comp=N,300nm,15.0s,MS4.2	KIS Kishinev			eS	S	06 48 10.0 -5.4
CABF La Chapelle	13.76	31	ePn	P	06 41 11.6 +2.3	ZST Bratislava			eS	P	06 45 25.4	comp=E,400nm,15.0s,MS4.2	KIS Kishinev			eS	S	
FLN La Foliniere	13.83	10	ePn	P	06 41 09.1 -1.1	ZST Bratislava	20.40	44	eP	P	06 46 18.5	comp=Z,500nm,15.0s,MS4.2	KIS Kishinev			eS	S	
FLN La Foliniere	13.83	10	ePn	P	06 41 09.1 -1.1	ZST Bratislava			eS	P	06 46 20.9	comp=Z,500nm,16.0s	HFS Hagfors	27.51	19	P	P	06 43 39.1 -1.1
FLN La Foliniere	13.83	10	ePn	P	06 41 09.1 -1.1	ZST Bratislava			eS	P	06 46 20.9	comp=Z,2.6nm,0.5s,mb4.2,baz=211,slow=8.6,SNR=26	HFS Hagfors			eP	P	06 46 56.0 -2.7
MCCN Macugnaga	14.13	37	eP	P	06 41 21.0 +6.8	BRG Berggiesshubel	20.40	44	eP	P	06 42 31.8 +0.3	comp=Z,31nm,1.0s,SNR=6.5	HFS Hagfors	27.51	19	P	P	06 43 39.1 -1.0
ERBM Eremo	14.45	46	eP	P	06 41 24.9 +5.5	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,3.0nm,0.5s	HFS Hagfors			eP	P	06 46 56.0
SFTF Sfontaines	14.68	25	ePn	P	06 41 22.6 +1.3	BRG Berggiesshubel			eP	P	06 42 36.7							
MEZF Maizieres Jvi	14.94	24	ePn	P	06 41 26.9 +2.2	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,1.0nm,0.3s,baz=346,slow=13,SNR=2.5						
HAU Hautompres	14.99	28	ePn	P	06 41 28.3 +2.9	BRG Berggiesshubel			eP	P	06 42 36.7							
HAU Hautompres	14.99	28	ePn	P	06 41 28.3 +2.9	BRG Berggiesshubel			eP	P	06 42 36.7							
BBS Basel-Blauen	15.03	32	P	P	06 41 32.0 +6.1	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,1.0nm,0.6s	NB2 NORRAR Subarra	27.68	16	P	P	06 43 40.2 -1.4
BBS Basel-Blauen	15.03	32	P	P	06 41 32.0 +6.1	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,6.5nm,0.8s,mb4.3,baz=210,slow=8.6	NB2 NORRAR Subarra	27.68	16	P	P	06 43 40.2 -1.4
HINF Hinteralfeld	15.03	30	ePn	P	06 41 32.5 +3.3	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.1nm,1.0s,SNR=19	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
THEF The Montfort	15.03	27	ePn	P	06 41 31.8 +5.8	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,5.4nm,0.7s,mb4.3,baz=210,slow=8.7	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
VAE Valguamera	15.07	36	P	P	06 41 33.4 +6.6	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,5.0nm,0.7s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
VAE Valguamera	15.07	36	P	P	06 41 33.4 +6.6	BRG Berggiesshubel			eP	P	06 42 36.7							
MOF Molkenrain	15.17	30	P	P	06 41 33.0 +5.2	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,1.1nm,10.0s,MS4.6	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
RFYF Refroy	15.19	25	eSn	S	06 41 33.1 -5.7	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
ECH Echery	15.47	29	P	P	06 41 35.9 +4.2	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
FELD Feldberg	15.56	32	P	P	06 41 38.2 +5.3	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
FELD Feldberg	15.56	32	P	P	06 41 38.2 +5.3	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
KIZ Kirchzarten	15.59	31	P	P	06 41 38.8 +5.6	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
KIZ Kirchzarten	15.59	31	P	P	06 41 38.8 +5.6	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
LIBD Limburg	15.60	30	eP	P	06 41 39.7 +6.3	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
DAVOX Davos	15.64	38	Pn	P	06 41 41.0 +7.0	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
DAVOX Davos	15.64	38	Pn	P	06 41 41.0 +7.0	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
DAVOX Davos	15.64	38	Pn	P	06 41 41.0 +7.0	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
BRMO Bormio	15.69	40	eP	P	06 41 40.9 +6.2	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
SISB Singen-Sch Ber	15.84	34	P	P	06 41 32.9 -3.6	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
DAVA Damsels	15.99	37	flP	P	06 41 42.2 +3.8	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
BFO Black Forest	16.05	31	eP	P	06 41 42.6 +3.5	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
BAIF Baives	16.06	20	ePn	P	06 41 40.1 +1.4	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
SPAK Spaichingen	16.07	33	P	P	06 41 44.8 +5.4	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
SPAK Spaichingen	16.07	33	P	P	06 41 44.8 +5.4	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
CTI Castel Tesino	16.11	43	eP	P	06 41 43.5 +4.1	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
MTTG Motta San Gioi	16.14	74	eP	P	06 41 48.9 +8.9	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
GUT Gutenstein	16.20	33	P	P	06 41 45.5 +5.1	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
GUT Gutenstein	16.20	33	P	P	06 41 45.5 +5.1	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
GIVF Givet	16.27	21	ePn	P	06 41 40.0 +3.0	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
GIVF Givet	16.27	21	ePn	P	06 41 40.0 +3.0	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
WLF Walferdange	16.31	24	eP	P	06 41 42.6 +0.1	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
LANF Langenberg	16.34	29	P	P	06 41 47.1 +4.2	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
UBR Uberherr	16.38	36	eP	P	06 41 50.0 +6.7	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
UBR Uberherr	16.38	36	eP	P	06 41 50.0 +6.7	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
SOI Samo	16.43	74	eP	P	06 41 46.9 +3.6	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
LBG Lerchenberg	16.50	31	eP	P	06 41 50.0 +5.9	BRG Berggiesshubel			eP	P	06 42 36.7	comp=Z,2.2nm,13.1s	NOA NORRAR Array B	27.68	16	P	P	06 43 40.4 -1.2
LBG Lerchenberg	16.																	

Table with columns: Station, Name, Frequency, Power, Direction, etc. Includes stations like KBS, SOKR, ARU, SCHQ, SVE, FRB, AB31, EMMW, WVL, LBNH, HRV, MIV, KMBO, ZRNK, ZRNK, BRVK, CHKZ, CHVK, BVAR, BINY, SADO, RES, KKAR, SJG, CBSN, MCWV, KURK, BLA, AAM, NVS, ACSO, FCSO, NHSC, ZAL, ZAL, ZAL, MKAR, MKAR, MKAR, MYNC, WCI, GOGA, JFWS, DWPF, ULM, BDFB, WWT, LBTB, PLAL, PLAL.

Table with columns: Station, Name, Frequency, Power, Direction, etc. Includes stations like LRLAL, FVM, CCM, OXF, YKWK, YKA, YKA, TIXI, TIXI, INK, INK, MIAR, MIAR, ROSC, ROSC, RSSD, CBKS, ZAK, BOD, WMOK, WMOK, HKT, HKT, DAWY, WALA, ISCO, ISCO, YAK, YAK, YAK, YAK, ILAR, ILAR, IMA, DLBC, CHMT, YMR, BILL, BW06, PDAR, PDAR, ULN, ULN, OTAV, SDCO, SDCO, JCT, JCT, LSA, LSA, MCMT, NEW, NEW, AHID, AHID, DPW, HWUT, HWUT, TNA, TNA, PV01, DIV, DIV, PV10, HLID, CPUP, CPUP, LPAZ, LPAZ, ANMO, ANMO, ANMO, PMR, PMR, SRU, LNOR, BGU, FIB, FIB, HAWA, HAWA, LTX, LTX, MSU, MVU, MVU, MVU, LON.

Table with columns: Station, Name, Frequency, Power, Direction, etc. Includes stations like HIA, HIA, WVOR, WVOR, WUAZ, WUAZ, BMN, BMN, MA2, MA2, MA2, MA2, TUC, TUC, TUC, TUC, TPH, TPH, TPH, DAC, DAC, BJI, BJI, BJI, BJI, BJT, BJT, CN2, CN2, CN2, CN2, ENH, ENH, MDJ, MDJ, PET, PET, PET, PET, YSS, YSS, YSS, YSS, VNA2, VNA2, VNA3, VNA3, GSPA, WARR, WRA, WRA, PMOR, ASAR, ASAR, CTA, STKA.

NEIC 07 06:45:58.6, 35.06N-3.97W, MG3.9(MDD), After MDD.
NEIC Felt (III) at Al Hoceima, Morocco.
MDD 07 06:45:58.2, 1.1, 35.03N-4.02W, mb3.9(22), Error ellipse:
s-maj=1.1, 0km s-min=4.5km az=12.0, AftershockPLICA
PRYXMO
MDD EMS: II-III ALHUCEMAS,
LDG 07 06:46:01.4, 1.4, 35.16N-4.20W, h2km, Md3.7/1, M13.0/3,
Error ellipse: s-maj=33.1km s-min=16.3km az=179.0
ISC 07 06:45:58.1-0.7, 35.25N-0.04-4.01W-0.03, n51, e1942/93,

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, etc. Includes stations like EMEL, EMEL, MELI, MELI, EALB, EALB, EMAL, EMAL, REAL, REAL, EJIF, EJIF, EJIF, EJIF, EROA, EROA, EROA, EROA, EBER, EBER, ELOJ, ELOJ, ELOJ, ELOJ, ELOJ, ELOJ, ELUQ, ELUQ, ELUQ, ELUQ.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 07 06:58:11.8, NEIC 07 06:58:13.9, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NOA NORSAR Array B 150.91 349, NOAO1 NORSAR Array S 151.15 349, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HFS comp=Z,6.0nm,0.7s, NB2 NORSAR Subarray 44.38 323, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various station parameters. Includes stations like Hailar, YKA, YKLA, YKLB, etc.

LDG 07:07:08.09.0.4, 12.26Sx167.73E, h10km, Mb4.6/2, Error ellipse: s-maj=70.9km s-min=18.6km az=90.0

NEIC 07:07:08.31.3.0.2, 13.26Sx167.13E, mb4.7/13, Error ellipse: s-maj=11.4km s-min=7.0km az=121.0

IDC 07:07:08.31.5.0.7, 13.40Sx166.96E, h187km, 5km, mb4.3/10, mb1.4/4/10, mb1.8x4/4/12, Error ellipse: s-maj=15.7km s-min=11.4km az=131.0

ISC 07:07:08.30.1.0.4, 13.36Sx0.05-167.11E, 0.07, h190km, h190km, 1.3km, pP-P, n93, c095/48, mb4.5/24, 3C-2D, Vanuatu Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various station parameters. Includes stations like Butte a Klehm, Charters Tower, Armada, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various station parameters. Includes stations like Bilibino, McKinley, COLA, etc.

NEIC 07:19:27.19.2.1.3, 34.96N-4.04W, MG3.6(MDD), After MDD. MDD 07:19:27.19.2.1.3, 34.97N-4.05W, mb3.6/14, Error ellipse: s-maj=13.4km s-min=5.2km az=12.0, Aftershock PLICA

PRXIMO INMG 07:19:28.6.1.5, 34.91N-4.00W, h31km, 24km, ML2.4, Error ellipse: s-maj=13.7km s-min=6.2km az=174.0

ISC 07:19:27.6.0.6, 35.00N-0.05-4.10W-0.03, h31km, n37, c130/63, Strait of Gibraltar

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various station parameters. Includes stations like Melilla, EALB, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various station parameters. Includes stations like ECOG, ESPR, etc.

MDD 07:07:20.26.3.1.3, 35.17N-3.96W, mb3.6/8, Error ellipse: s-maj=11.8km s-min=4.8km az=20.0, PRXIMO

Aftershock PLICA, Strait of Gibraltar

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various station parameters. Includes stations like Melilla, EALB, etc.

IDC 07:41:18.6.6.6, 18.98Sx177.19W, mb4.0/3, mb1.4/3/3, s-min=38.3km az=143.0, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various station parameters. Includes stations like WARR, ASAR, etc.

IDC 07:51:10.8.1.5, 5.84Sx131.05E, mb4.2/2, mb1.4/7/4, mb1mx3.9/9, Error ellipse: s-maj=91.1km s-min=30.4km az=75.0

NEIC 07:51:20.6.3.2, 6.02Sx130.37E, h75km, 31km, mb4.2/4, Error ellipse: s-maj=26.6km s-min=22.4km az=65.0

ISC 07:51:22.6.2.5, 6.45S-0.1-130.2E, 0.2, h114km, 24km, n12, s=1846/16, mb4.3/4, 1D, Banda Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and various station parameters. Includes stations like KAKA, etc.

Table with columns: FITZ, WRA, ASAR, MBWA, CTA, FORT, MKAR, MKAR, ZRNK, ILAR. Includes station names, coordinates, and various parameters.

ATH 07:07:53.01, 6.39, 49.2N, 20.43E, h2km, MD3.0/4
THE 07:05:02.4, 3.9, 41N, 20.43E, h10km, ML2.9
ISC 07:07:53.01, 6.0, 6.39, 40N, 0.03, 20.43E, 0.05, h2km, n9,
<089/14, Greece-Albania border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like IGT, IGT, JAN, KEK, LKD, MEV, EVR, VLS, AGG, FNA.

NEIC 07:08:06:28.5, 34.98N, 4.01W, MG3.4(MDD), After MDD.
MDD 07:08:06:28.5, 1.3, 34.99N, 4.01W, mb3.5/11, Error ellipse:
s-maj=13.6km s-min=5.1km az=13.0, Aftershock PLICA
PRXIMO, Morocco

Large table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Lists numerous stations and their associated data.

HEL 07:08:21:34.7, 0.5, 67.69N, 34.17E, ML2.3, Explosion
IDL 07:08:21:37.1, 7.1, 67.67N, 33.65E, mb1.3/3.5,
mb1mx3.2/16, ML2.8/5, Error ellipse: s-maj=18.9km
s-min=8.8km az=83.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MSF, MSF, SGF, KEV, ARCES.

Table with columns: OUL, KTKI, KJN, KIF, TRO, SUF, KAF, FINES, FINES, FINES. Includes station names and coordinates.

NEIC 07:08:37:06.7, 0.2, 22.82S, 69.04W, h105km, mb4.2/2,
Error ellipse: s-maj=14.1km s-min=10.3km az=71.0
IDC 07:08:37:06.8, 0.9, 22.60S, 69.00W, h96km, 5km, mb3.7/6,
mb1.3/9.8, mb1mx3.8/12, Error ellipse: s-maj=30.7km
s-min=23.1km az=41.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LVC, ANCH, ANCH, CPNI, CPNI.

NEIC 07:09:10:58.0, 63.94N, 149.48W, h9km, ML3.6(PMR),
ML3.1(AEIC), After AEIC., Central Alaska

Large table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Lists numerous stations and their associated data.

IDC 07:08:47:07.8, 1.6, 18.65N, 46.77W, mb3.8/5, mb1.4/1.5,
mb1mx3.7/17, Error ellipse: s-maj=66.2km s-min=23.3km
az=90.0
NEIC 07:08:47:08.5, 2.1, 18.63N, 46.56W, h10km, mb4.1/1, Error
ellipse: s-maj=85.8km s-min=18.3km az=88.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LPAZ, CPUP, CPUP, PDAR, YKA, YKA, YKA, ASAR, ASAR, WRA, WRA, WRA, MKAR, MKAR, MKAR.

IDC 07:08:47:06.7, 2.7, 18.7N, 0.2, 46.5W, h10km, n8, <097/6,
mb3.7/5, Northern Mid-Atlantic Ridge

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

Table with columns: RND, NEA, KTH, HUR, HUR, CCB, COLA, COLA, HDA, MLY, IL1, CUT, DDM, PAX, GHO, SML, PWA, SCM, PMR, TOA, DOT, SUA, PMS, IM3, PAK, RC01, CFI, KLU, IT01, BKG, DIV, BC3A, BMR, SVW, BM3, DAWY. Includes station names and coordinates.

NEIC 07:09:10:58.0, 63.94N, 149.48W, h9km, ML3.6(PMR),
ML3.1(AEIC), After AEIC., Central Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BWN, MCK, MCK, RND, TRF, NEA, KTH, KTH, HUR, CCB, HUR, COLA, COLA, HDA, MLY, DUT, DCH, CUT, DDM, PAX, GHO, PWA, PRM, SCM, PMA, TOA, DOT, SUA, PMS, IM3, IM3, IT01, BKG, BC3A, GLB, BMR, EYAK, BM3.

CASC 07:09:18:53.5, 1.9, 12.25N, 86.34W, h4km, 3km, MD4.3,
ML2.9, 11C-12D, Nicaragua

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like APYN, MGAN, MGAN, WILN, WILN, TICN, COFN, MOF, COFN, CRUN, MASN, PYTN, PYTN, MIRN, APN, CNGN, LEON, TEL3, TELN, PYN, CRIN, CONN, CRZC, CNCH, BLLM, FORC, JCR, CGA2, LFRS, LFRS, TRTC, LAJ, BOQS, LCR2, URSC, SBL, RTR, CUSS.

MOS 07:09:20:18.3, 1.4, 43.96N, 34.20E, h10km, mb3.7/1, 2D,
Error ellipse: s-maj=59.9km s-min=16.7km az=89.8,
Black Sea

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





NEIC 07 10:54:41.2,0.6,2.41N,122.12E,h500km,mb4.2/4, Error ellipse: s-maj=43.0km s-min=10.6km az=66.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like KAKA, FITZ, MBWA, WRA, ASAR, STKA, GUN, PKI, KKN, DMN, GKN, KOLN, ASAJ, MKAR, RPZ, BVAR, CHZK, ZRNK, SPITS.

IDC 07 10:58:21.0,20.0,17.29S,-178.83W,h665km,207km, mb2.9,mb1.2,9.3,mb1mx2.8/9, Error ellipse: s-maj=321.0km s-min=27.7km az=136.0, Fiji Islands region

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

IDC 07 11:01:29.5,10.0,1.90N,127.94E,h272km,100km, mb2.9/3,mb1.3/0.3,mb1mx2.9/10, Error ellipse: s-maj=156.0km s-min=21.6km az=65.0, Halmahera region

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

BUJ 07 11:08:00.2,32.08S,-177.85W,h7km,mb5.9,mb5.6,Ms5.7, Msz5.7

SYO 07 11:08:01.3,32.38S,-178.19W,h7km,MB5.5,MS5.9

NEIC 07 11:08:01.3,0.2,32.38S,-178.19W,h7km,mb5.5/34, MS5.9/106, MW6.0, Error ellipse: s-maj=8.5km s-min=6.1km az=147.0 Broadband fault plane solution: P waves. NP1: 151.5, 88.7, 190.0. NP2: 192.1, 195.0, 83.0. Principal axes: T: P144, Azm285; N: P10; P: P142, Azm105; Moment Tensor Solution. s17: Moment tensor: Scale 10^18 Nm; Mm: 0.00; M0: 0.00; M2: 0.00; M3: 0.00; M4: 0.00; M5: 0.00; M6: 0.00; M7: 0.00; M8: 0.00; M9: 0.00; M10: 0.00; M11: 0.00; M12: 0.00; M13: 0.00; M14: 0.00; M15: 0.00; M16: 0.00; M17: 0.00; M18: 0.00; M19: 0.00; M20: 0.00; M21: 0.00; M22: 0.00; M23: 0.00; M24: 0.00; M25: 0.00; M26: 0.00; M27: 0.00; M28: 0.00; M29: 0.00; M30: 0.00; M31: 0.00; M32: 0.00; M33: 0.00; M34: 0.00; M35: 0.00; M36: 0.00; M37: 0.00; M38: 0.00; M39: 0.00; M40: 0.00; M41: 0.00; M42: 0.00; M43: 0.00; M44: 0.00; M45: 0.00; M46: 0.00; M47: 0.00; M48: 0.00; M49: 0.00; M50: 0.00; M51: 0.00; M52: 0.00; M53: 0.00; M54: 0.00; M55: 0.00; M56: 0.00; M57: 0.00; M58: 0.00; M59: 0.00; M60: 0.00; M61: 0.00; M62: 0.00; M63: 0.00; M64: 0.00; M65: 0.00; M66: 0.00; M67: 0.00; M68: 0.00; M69: 0.00; M70: 0.00; M71: 0.00; M72: 0.00; M73: 0.00; M74: 0.00; M75: 0.00; M76: 0.00; M77: 0.00; M78: 0.00; M79: 0.00; M80: 0.00; M81: 0.00; M82: 0.00; M83: 0.00; M84: 0.00; M85: 0.00; M86: 0.00; M87: 0.00; M88: 0.00; M89: 0.00; M90: 0.00; M91: 0.00; M92: 0.00; M93: 0.00; M94: 0.00; M95: 0.00; M96: 0.00; M97: 0.00; M98: 0.00; M99: 0.00; M100: 0.00; M101: 0.00; M102: 0.00; M103: 0.00; M104: 0.00; M105: 0.00; M106: 0.00; M107: 0.00; M108: 0.00; M109: 0.00; M110: 0.00; M111: 0.00; M112: 0.00; M113: 0.00; M114: 0.00; M115: 0.00; M116: 0.00; M117: 0.00; M118: 0.00; M119: 0.00; M120: 0.00; M121: 0.00; M122: 0.00; M123: 0.00; M124: 0.00; M125: 0.00; M126: 0.00; M127: 0.00; M128: 0.00; M129: 0.00; M130: 0.00; M131: 0.00; M132: 0.00; M133: 0.00; M134: 0.00; M135: 0.00; M136: 0.00; M137: 0.00; M138: 0.00; M139: 0.00; M140: 0.00; M141: 0.00; M142: 0.00; M143: 0.00; M144: 0.00; M145: 0.00; M146: 0.00; M147: 0.00; M148: 0.00; M149: 0.00; M150: 0.00; M151: 0.00; M152: 0.00; M153: 0.00; M154: 0.00; M155: 0.00; M156: 0.00; M157: 0.00; M158: 0.00; M159: 0.00; M160: 0.00; M161: 0.00; M162: 0.00; M163: 0.00; M164: 0.00; M165: 0.00; M166: 0.00; 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HRVD 07 11:08:01.3,0.1,32.50S,-177.67W,h12km,MW5.8/71, Centroid moment Tensor Solution. LP body waves: s65,c140,Mantle waves: s71,c157; Half duration: 18 Moment tensor: Scale 10^17 Nm; Mm: 2.93e+04; M0: 0.12e+04; M2: 2.81e+04; M3: 0.78e+12; M4: 1.30e+03; M5: 4.24e+11; Best double couple: M5.33e+10/17; NP1: 192.1, 110.0, 87.3, 183.0; Principal axes: T: 5.18, P: 18.2, Azm272; N: 3.3, P: 14.7, Azm141; P: 5.49, P: 12.7, Azm108; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s.

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CN2	comp=Z,200nm,4.0s	AMB	AMB						
CN2	comp=N,1µm,20.0s	LR	LR						
CN2	comp=E,1µm,20.0s	LR	LR						
CN2	comp=Z,2µm,21.0s	LR	LR						
BMN	Battle Mountain	92.25	42	eP	P			11 21 10.3	0.0
BMN	comp=Z,29nm,1.5s,mb5.3	LR	LR						
WUAZ	Wupatki	92.52	49	eP	P			11 21 12.3	+0.6
WUAZ	comp=Z,31nm,1.5s,mb5.4	LR	LR						
LVC	Limon Verde	92.82	119	PFAKE	LR			11 21 30.0	+1.7
LVC	comp=Z,4µm,20.0s	LR	LR						
WVOR	Wild Horse Val	92.84	40	eP	P			11 21 12.5	-0.5
WVOR	comp=Z,18nm,1.3s,mb5.2	LR	LR						
ENH	Enshi	92.93	304	eP	P			11 21 14.2	+0.4
ENH	comp=Z,232nm,1.8s,mb6.2	LR	LR						
KDAK	Kodiak Island	92.99	13	PFAKE	LR			11 21 20.0	+6.7
KDAK	comp=Z,7µm,21.0s	LR	LR						
KLR	Kul'dur	93.20	330	eP	P			11 21 14.0	-0.5
KLR	comp=Z,50nm,1.6s,mb5.6	LR	LR					11 21 14.3	+1.0
KLR	comp=Z,1µm,9.0s	MLR	MLR						
KLR	comp=Z,2µm,17.0s	MLR	MLR						
OCWA	Octopus Mounta	93.85	33	PFAKE	LR			11 21 30.0	+1.3
OCWA	comp=Z,5µm,20.0s	LR	LR						
MVU	Marysval	93.90	46	eP	P			11 21 19.8	+1.9
MVU	comp=Z,5.0nm,1.0s,mb4.8	LR	LR						
MSU	Marysval	93.93	46	eP	P			11 21 18.6	+0.6
LTX	Lajitas	93.94	58	PFAKE	LR			11 21 30.0	+1.2
LTX	comp=Z,6µm,20.0s	LR	LR						
CM31	Chiang Mai Arr	94.10	289	PFAKE	LR			11 21 30.0	+1.1
CM31	comp=Z,2µm,20.0s	LR	LR						
BJT	Baijiatau	94.65	315	eP	P			11 21 21.4	+0.1
BJT	comp=Z,35nm,1.3s,mb5.6	LR	LR						
BJI	Beijing	94.66	315	eP	P			11 21 21.6	+0.3
BJI	comp=Z,5µm,19.0s	SKS	SKS	AMB	AMB			11 31 58.1	+8.9
BJI	comp=Z,19nm,1.3s,mb5.4	LR	LR						
BJI	comp=N,1µm,16.6s	LR	LR						
BJI	comp=E,802nm,17.7s	LR	LR						
BJI	comp=Z,1µm,18.3s	LR	LR						
HAWA	Hanford	95.11	36	PFAKE	LR			11 21 30.0	+6.8
HAWA	comp=Z,7µm,19.0s	LR	LR						
SRU	San Rafael	95.31	46	eP	P			11 21 25.1	+0.8
ANMO	Albuquerque	95.34	52	eP	P			11 21 25.6	+1.0
ANMO	comp=Z,9.6nm,1.3s,mb5.1	LR	LR						
MA2	Magadan	95.77	345C	iP	P			11 21 24.6	-1.3
MA2	comp=Z,6µm,19.0s	LR	LR						
MA2	comp=Z,28nm,1.4s,mb5.5	MLR	MLR						
MA2	comp=Z,2µm,20.0s	LR	LR						
MA2	Magadan	95.77	345	eP	P			11 21 24.1	-1.7
MA2	comp=Z,33nm,1.5s,mb5.5	LR	LR						
MA2	comp=Z,3µm,19.0s	LR	LR						
HLID	Hailey	95.89	41	eP	P			11 21 25.8	-1.1
HLID	comp=Z,6.1nm,1.3s,mb4.9	LR	LR						
HLID	comp=Z,3µm,19.0s	LR	LR						
HWUT	Hardware Ranch	96.25	44	PFAKE	LR			11 21 40.0	+1.1
HWUT	comp=Z,6µm,19.0s	LR	LR						
FIB	Fire Island	96.59	13	PFAKE	LR			11 21 40.0	+1.0
FIB	comp=Z,9µm,20.0s	LR	LR						
SIT	Sitka	96.77	22	PFAKE	LR			11 21 40.0	+1.0
SIT	comp=Z,5µm,20.0s	LR	LR						
PMR	Palmer	97.19	14	PFAKE	LR			11 21 40.0	+7.7
PMR	comp=Z,3µm,20.0s	LR	LR						
LPAZ	La Paz	97.22	115	P	P			11 21 37.7	+4.2
LPAZ	comp=Z,2.1nm,1.1s,mb4.5,baz=315,slow=3.3,SNR=4.5	LR	LR					11 32 11.4	-3.7
LPAZ	comp=Z,0.4nm,0.5s,baz=352,slow=10.0,SNR=1.6	LR	LR					12 01 09.0	
LPAZ	comp=Z,1µm,18.1s,baz=321,slow=33	LR	LR					11 21 35.8	+2.3
LPAZ	La Paz	97.22	115	P	P				
AHID	Auburn Hatcher	97.25	43	PFAKE	LR			11 21 40.0	+6.9
AHID	comp=Z,3µm,19.0s	LR	LR						
JCT	Junction City	97.35	59	PFAKE	LR			11 21 50.0	+1.6
JCT	comp=Z,6µm,19.0s	LR	LR						
DIV	Divide	97.47	15	PFAKE	LR			11 21 40.0	+6.4
DIV	comp=Z,10µm,20.0s	LR	LR						
NEW	Newport	97.59	36	PFAKE	LR			11 21 40.0	+5.6
NEW	comp=Z,7µm,20.0s	LR	LR						
SDCO	Great Sand Dun	97.62	50	P	P			11 21 35.0	+0.2
SDCO	comp=Z,3µm,19.0s	LR	LR						
BW06	Boulder Array	98.14	44	PFAKE	LR			11 21 50.0	+1.3
BW06	comp=Z,3µm,19.0s	LR	LR						
PDAR	Pinedale Array	98.14	44	P	P			11 21 37.3	+0.2
PDAR	comp=Z,0.7nm,0.9s,baz=207,slow=3.3,SNR=3.9	S	S					11 32 10.5	-4.5
PDAR	comp=Z,0.2nm,0.9s,baz=84,slow=13,SNR=1.9	S	S					11 32 18.7	
PDAR	comp=Z,0.6nm,0.6s,baz=104,slow=3.7,SNR=5.2	PKKPbc	PKKPbc					11 31 38.2	+0.1
SEY	Seymchan	98.48	347	eP	P			11 21 58.4	+1.0
SEY	comp=Z,90nm,1.8s,mb6.0	LR	LR						
SEY	comp=N,3µm,15.6s	smax	smax						
SEY	comp=E,3µm,16.8s	smax	smax						
CPUP	Villa Florida	98.49	129	PKKPbc	PKKPbc			11 38 09.7	
CPUP	comp=E,3.2nm,0.7s,baz=177,SNR=9.7	LR	LR					12 00 18.9	
CPUP	comp=E,2µm,18.0s,baz=245,slow=32	P	P					11 21 41.2	+2.1
CPUP	Villa Florida	98.49	129	P	P				
TNA	Tin City	98.58	4	eP	P			11 21 37.0	-1.6
TNA	comp=Z,11nm,1.4s,mb5.2	LR	LR						
HIA	Hialar	98.74	324	PFAKE	LR			11 21 50.0	+1.0
HIA	comp=Z,2µm,20.0s	LR	LR						
ISCO	Idaho Springs	98.75	48	PFAKE	LR			11 21 50.0	+1.0
ISCO	comp=Z,3µm,19.0s	LR	LR						
MCK	McKinley	98.18	13	PFAKE	LR			11 21 50.0	+8.7
MCK	comp=Z,4µm,19.0s	LR	LR						
HKT	Hockley	99.94	61	PFAKE	LR			11 22 00.0	+1.4
HKT	comp=Z,3µm,19.0s	LR	LR						

WMOK	Wichita Mounta	100.41	55	PFAKE	LR			11 22 00.0	+1.2
WMOK	comp=Z,3µm,19.0s	LR	LR						
COLA	College	100.42	13	PFAKE	LR			11 22 00.0	+1.3
COLA	comp=Z,5µm,20.0s	LR	LR						
ILAR	Eielson Array	100.51	13	P	P			11 21 47.8	+0.5
ILAR	comp=Z,1.3nm,0.9s,baz=234,slow=5.4,SNR=7.0	PP	PP					11 25 45.2	-1.2
BILL	Bilibino	101.42	354	eP	P			11 21 50.8	-0.5
BILL	comp=Z,1.6nm,1.1s,baz=250,slow=5.9,SNR=3.8	PP	PP						
DAWY	Dawson	101.49	16	Pdf	P			11 21 49.2	-2.5
CBKS	Cedar Bluff	101.96	51	PFAKE	LR			11 22 10.0	+1.6
CBKS	comp=Z,2.4µm,19.0s	LR	LR						
RSSD	Black Hills	102.19	45	PFAKE	LR			11 22 10.0	+1.5
RSSD	comp=Z,2µm,19.0s	LR	LR						
YAK	Yakutsk	103.60	337	eP	Pdf			11 21 56.3	-4.7
YAK	comp=Z,70nm,10.9s	eS	eS	pmax	pmax			11 32 33.5	
YAK	comp=N,70nm,19.9s	pmax	pmax						
YAK	comp=E,50nm,16.8s	pmax	pmax						
YAK	comp=N,390nm,11.9s	smax	smax						
YAK	comp=E,380nm,11.8s	MLR	MLR						
YAK	comp=Z,1µm,20.0s	MLR	MLR						
YAK	comp=N,820nm,18.0s	MLR	MLR						
YAK	comp=E,560nm,18.0s	MLR	MLR						
MIAR	Mount Ida	103.96	58	PFAKE	LR			11 22 10.0	+9.0
MIAR	comp=Z,4µm,19.0s	LR	LR						
ULN	Ulaanbaatar	104.60	318	PFAKE	LR			11 22 20.0	+1.4
ULN	comp=Z,1µm,20.0s	LR	LR						
INK	Inuvik	106.34	16	Pdf	Pdf			11 22 12.2	-0.9
INK	comp=Z,3.2nm,0.7s,baz=214,slow=3.6,SNR=5.0	PKKPbc	PKKPbc					11 26 40.0	
OXF	Oxford	106.93	60	PFAKE	LR			11 26 40.0	
OXF	comp=Z,4µm,19.0s	LR	LR						
CCM	Cathedral Cave	107.32	56	PFAKE	LR			11 26 40.0	
CCM	comp=Z,3µm,19.0s	LR	LR						
YKA	Yellowknife Ar	107.87	26	Pdf	Pdf			11 22 21.3	+1.4
YKA	comp=Z,0.2nm,0.6s,baz=232,slow=4.0,SNR=3.2	PKKPbc	PKKPbc					11 26 26.6	
YKA	comp=Z,0.4nm,0.7s,baz=252,slow=1.4,SNR=11	PKKPbc	PKKPbc					11 37 42.4	
YKA	comp=Z,2.7nm,0.8s,baz=43,slow=3.2,SNR=31	PKKPbc	PKKPbc					11 37 56.0	
LRLAL	Lakeview Retre	108.00	62	PFAKE	LR			11 26 40.0	
LRLAL	comp=Z,2.4nm,0.7s,baz=32,slow=3.1,SNR=8.1	PKKPbc	PKKPbc						
ZAK	Zakamensk	108.03	319	eP	Pdf			11 22 15.1	-5.8
PLAL	Pickwick Lake	108.12	60	PFAKE	LR			11 26 40.0	
PLAL	comp=Z,5µm,19.0s	LR	LR						
WVT	Waverly	108.83	59	PFAKE	LR			11 26 40.0	
WVT	comp=Z,3µm,20.0s	LR	LR						
DWPF	Disney	109.98	69	PFAKE	LR			11 26 40.0	
DWPF	comp=Z,1µm,19.0s	LR	LR						
ULM	Lac du Bonnet	110.11	43	PKKP	PKKP			11 26 30.0	
ULM	comp=Z,1.7nm,0.7s,baz=311,slow=8.0,SNR=3.2	PKKPbc	PKKPbc					11 26 34.0	+3.0
HYB	Hyderabad	110.19	278	eP	P			11 27 02.0	-8.7
HYB	comp=Z,2µm,19.0s	eS	eS	SKS	SKS			11 33 08.0	+4.7
HYB	comp=Z,3µm,19.0s	eS	eS	SKS	SKS			11 36 40.0	+5.2
HYB	comp=Z,3µm,19.0s	eS	eS	SKS	SKS			11 37 40.0	-3.7
HYB	Hyderabad	110.19	278	eP	P			11 26 34.0	+3.0
JFWS	Jewell Farm	110.24	51	PFAKE	LR			11 27 04.0	
JFWS	comp=Z,4µm,19.0s	LR	LR					11 26 40.0	+1.0
TIXI	Tiksi	110.73	344	eP	Pdf			11 22 30.3	-2.0
TIXI	comp=Z,2.0nm,1.0s	e	e	SS	SS			11 26 32.1	
TIXI	comp=Z,2.0nm,1.0s	eS	eS	SS	SS			11 33 16.2	
TIXI	comp=Z,2.0nm,1.4s	pmax	pmax					11 42 35.3	+0.4
TIXI	comp=Z,2.0nm,1.0s	pmax	pmax						
TIXI	Tiksi	110.73	344	PKP	PKP			11 26 32.8	+2.0
GOGA	Godfrey	110.81	63	PFAKE	LR			11 26 50.0	+1.8
GOGA	comp=Z,2µm,19								

Table with columns for airline codes (e.g., BTMT, FINES, ERZM), flight numbers, destinations, times, and status. Includes various airline abbreviations like AMS, KLM, SAS, etc.

Table with columns: EVO, comp-Z, 4um, 19.2s, eR, ESDC, Sonseca Array, 171.90 33 PKP PKPdf, 11 28 10.1 +2.9, ESDC, comp-Z, 0.7nm, 0.6s, baz=299, slow=37, SNR=4.0, PKPab, 11 29 32.3 +0.4, ESDC, comp-Z, 1.3nm, 0.8s, baz=342, slow=5.7, SNR=3.1, PKP, 11 28 10.1 +2.9, ESDC, Sonseca Array, 171.90 33 PKP PKPdf, 11 28 10.1 +2.9, ESDC, comp-Z, 1.3nm, 0.8s, baz=342, slow=5.7, SNR=3.1, PKPab, PKPdf, 11 29 32.3 +0.4

NEIC 07 11:08:46.5-1.0, 35.70Sx72.15W, h41km, 12km, mb4.3/4, MD4.1(GUC), Error ellipse: s-maj=18.6km s-min=8.0km az=90.0

NEIC Felt [IV] at Cauquenes; [III] at Linares, San Javier and Talca; [II] at Curico.

GUC 07 11:08:46.0-1.0, 35.72Sx72.08W, h65km, MD4.1, ML4.6

ISC 07 11:08:45.6-0.6, 35.71S-0.04x72.1W-0.1, h50km, 10km, n28, r085/31, mb4.4/3, 4C-5D, Near coast of central Chile

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like Talca, Chillan, San Fernando, Longovillo, Cipreses, El Canelo, Chadas Angostu, Chas Cruces, Talagante, Las Melosas, Antu, Rintopada, Rinconada Maip, Pirque, Colegio Aleman, Cerro Calan, Farellones, El Roble, Temuco, Papudo, Jahuel, Valdivia, Combarbala, Tornquist, La Paz, Otavalo, Waverly, Albuquerque, Lake Taylor.

IDC 07 11:11:03.1-2.7, 31.66Sx178.25W, mb5.0/2, mb1.5, 3/2, mb1mx4.6/9, Error ellipse: s-maj=150.0km s-min=43.5km az=163.0

NEIC 07 11:11:06.0-0.9, 31.18Sx178.34W, h10km, mb4.9/1, 2C-2D, Error ellipse: s-maj=33.7km s-min=24.9km az=220.0, Kermadec Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like Puketiti, Kokohu, Pawanui, Birch Farm, SNZ, Quartz Range, THZ, Kahutara, MQZ, Charters Tower, ASAR, WRA, QSPA, VNA3, VNA2, JOF, KAF, FINES, HFS, HFS, Elat, CLL.

NEIC 07 11:11:49.5-0.7, 32.46Sx178.02W, h10km, mb5.0/2, Error ellipse: s-maj=25.1km s-min=14.4km az=140.0

IDC 07 11:11:48.3-1.2, 32.36Sx178.21W, mb4.7/5, mb1.5/6, mb1mx4.9/10, ML4.3/1, 4D, Error ellipse: s-maj=57.3km s-min=26.4km az=148.0, South of Kermadec Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like URZ, URZ, KNZ, PWZ, MRW, SNZO, QRZ, THZ, KHZ, CTA, CTAO, ASAR, WRA, VNA3, VNA2, JOF, KAF, FINES, HFS, HFS, Elat, CLL, URZ, URZ, KNZ, PWZ, MRW, SNZO, QRZ, THZ, KHZ, CTA, CTAO, ASAR, WRA, VNA3, VNA2, JOF, KAF, FINES, HFS, HFS, Elat, CLL.

Table with columns: ASFL, Jabal al Asfar, 150.40 279 PKPbc PKPdf, 11 31 41.1 +3.6, HFS, Hagfors, 151.12 348 PKPbc PKPdf, 11 31 41.1 +2.7, EIL, Elat, 151.52 273 PKPbc PKPdf, 11 31 44.2 +4.2, CLL, Collin, 159.35 340 PKP2 PKPab, 11 32 23.4 -4.4, GERES, GERES Array B, 161.25 335 PKPab PKPdf, 11 32 23.9 -2.1

NEIC 07 11:14:38.5-1.3, 18N-3.92W, MG3.5(MDD), After MDD, MDD 07 11:14:38.6: 1.1, 35.20N-3.94W, mb3.5/12, 1C, Error ellipse: s-maj=10.3km s-min=4.4km az=21.0, Aftershock-PLICA PRXIMO, Strait of Gibraltar

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like Melilla, Alboran, Jimena Fronter, Agnon, Sierra Loja, Sierra de Lija, Cogollos-Vega, Horachuelos, Banos Encina, Adamuz, Mina Concepcion, La Murta, EGRO, EGRO, ETOB, ETOB, ESDC, ESDC, ETOR, ETOR, ECAL, EPOB, EPOB, ELOB, ELOB.

IDC 07 11:19:22.2-7.6, 31.20Sx178.81W, mb3.5/2, mb1.3/8/2, mb1mx3.7/8, Error ellipse: s-maj=319.0km s-min=61.1km az=157.0, Kermadec Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like BRW, Makara Radio, GRZ, Quartz Range, MQZ, Moore Queen's Vall, ASAR, Alice Springs, WRA, Warramunga Arr, FINES, FINES Array B.

IDC 07 11:19:50.9-0.6, 32.49Sx178.22W, mb5.1/9, mb1.5/2/12, mb1mx5.2/14, ML4.5/3, MSS.2/2, Ms1.5/2, ms1mx4.9/10, Error ellipse: s-maj=26.4km s-min=15.6km az=163.0

MOS 07 11:19:51.2-1.8, 32.67Sx177.84W, h10km, mb5.5/8, MSS.8/4, Error ellipse: s-maj=23.2km s-min=19.4km az=12.4

SYO 07 11:19:52.5-32.40Sx178.10W, h10km, MB5.3, NEIC 07 11:19:52.0-0.4, 32.40Sx178.10W, h10km, mb5.3/21, Error ellipse: s-maj=12.3km s-min=8.1km az=147.0

HRVD 07 11:19:52.0-0.4, 32.45Sx177.39W, h25km, 1km, MW5.4/5/3, Centroid moment Tensor Solution. LP body waves: s22, c27, Mantle waves: s53, c97; Hal duration: 193

Moment tensor: Scale 10^17Nm; Mr=0.9e+09; Mw=0.07e+05; M0=0.89e+05; M1=0.20e+06; M2=0.18e+02; Mr=1.04e+08; Best double couple: M1=42x10^17; M2=19x10^17; M3=11x10^17; Principal axes: T1=44, P1g66; Azm280; N=04, P1g0; Azm11; P=1.4, P1g24; Azm101; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s.

BUI 07 11:19:52.5-32.40Sx178.10W, h10km, MB5.4, MB5.9, Ms25.6

ISC 07 11:19:50.8-0.3, 32.69Sx0.04x178.12W-0.07, h10km, n223, r134/105, mb5.2/32, MS5.9/5, 20C-7D, South of Kermadec Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like PUZ, Puketiti, PUZ, North Gisborne, URZ, Urewera, URZ.

Table with columns: URZ, Urewera, 6.79 214 P Pn, 11 21 32.2 +0.2, KNZ, Kokohu, 7.19 207 P Pn, 11 21 37.5 -1.0, KNZ, Elat, 7.34 248 P Pn, 11 23 02.5 +1.0, OIZ, Omahuta, 8.25 218 P Pn, 11 21 54.4 -0.0, OIZ, Far West T-bar, 8.32 216 S S, 11 23 28.8 +1.2, FWVZ, Pawanui, 8.37 207 P Pn, 11 23 29.3 -0.2, PWZ, Cannon Point, 10.02 211 P Pn, 11 21 52.8 -3.1, CAW, South Karori, 10.34 212 eP S, 11 22 15.0 -2.8, CAW, Tophouse, 11.54 216 eP S, 11 24 05.6 -5.8, SNZO, Kahutara, 11.75 212 eP S, 11 22 19.1 -3.2, SNZO, Denniston Nort, 12.09 219 eP S, 11 24 01.0 -1.8, THZ, Lake Taylor, 12.62 214 eP S, 11 22 36.1 -2.5, THZ, Rata Peaks, 13.91 215 Pn, 11 24 43.4 -5.2, RPZ, Denniston Nort, 12.09 219 eP S, 11 22 46.5 -7.2, RPZ, Lake Taylor, 12.62 214 eP S, 11 22 46.4 +0.3, RPZ, Lake Taylor, 12.62 214 eP S, 11 22 55.9 -6.1, RPZ, Lake Taylor, 12.62 214 eP S, 11 22 52.1 -1.1, RPZ, Lake Taylor, 12.62 214 eP S, 11 22 05.5 -4.8, RPZ, Lake Taylor, 12.62 214 eP S, 11 22 35.2 -1.0, MSZ, Milford Sound, 16.16 218 eP P, 11 23 26.1 +0.2, TUZ, Taupaea, 16.27 212 eP P, 11 23 25.6 -2.8, DZM, Mount Dzumac, 17.30 304 eP P, 11 23 58.4 +4.4, DZM, Port Laguerre, 17.38 303 eP P, 11 23 58.9 +3.9, RAR, Rarotonga, 19.91 60 P P, 11 24 20.4 -5.2, RAR, Rarotonga, 19.91 60 P P, 11 23 39.1, ARMA, Armidale, 25.84 267 eP P, 11 25 26.6 +4.5, TBI, Tubaui, 26.88 77 eL P, 11 30 39.0, TBI, Tubaui, 26.88 77 eL P, 11 31 56.4, PPT, Papeete, 29.78 67 eL P, 11 31 46.0, PPT, Papeete, 29.78 67 eL P, 11 33 37.8, TIAR, Tiare, 29.96 67 eP P, 11 25 59.4 -2.2, TOO, Toolangi, 30.04 250 eP P, 11 26 04.5 +2.4, STKA, Stephens Creek, 33.93 260 eP P, 11 26 37.9 +1.7, CTA, Charters Tower, 34.13 283 eP P, 11 26 39.7 +1.6, CTAO, Charters Tower, 34.13 283 eP P, 11 26 38.8 +0.7, RKT, Rikitea, 34.08 87 eL P, 11 26 38.9 +0.8, RKT, Rikitea, 34.08 87 eL P, 11 37 35.9, ASAR, Alice Springs, 42.94 269 P P, 11 27 51.8 +0.2, WRAB, Wannan Creek, 44.13 275 P P, 11 28 01.8 +0.5, WRA, Warramunga Arr, 44.13 275 P P, 11 28 01.2 -0.1, WRA, Warramunga Arr, 44.13 275 P P, 11 34 33.0 -0.6, WRA, Warramunga Arr, 44.13 275 P P, 11 46 29.7, FORT, Forrest, 45.41 257 P P, 11 28 11.1 -0.3, VYDA, Yanda, 45.82 186 eP P, 11 28 19.6 +5.5, KAKA, Kakadu, 49.31 282 eP P, 11 28 41.2 -1.0, FITZ, Fitzroy Crossi, 52.29 272 eP P, 11 29 04.1 -0.8, KLBR, Kellerberr, 53.55 253 eP P, 11 29 14.2 +0.2, MBWA, Marble Bar, 55.91 265 eP P, 11 29 30.2 -1.1, QSPA, South Pole Qui, 57.43 180 eP P, 11 29 45.0 +3.5, USHA, Ushuaia, 74.09 145 P P, 11 31 30.2 +1.7, SYO, Syowa Base, 74.87 193 P P, 11 31 34.8 +2.0, SYO, Syowa Base, 74.87 193 P P, 11 31 44.4 +2.7, SYO, Syowa Base, 74.87 193 P P, 11 31 26.8, SYO, Syowa Base, 74.87 193 P P, 11 31 34.8 +2.0, SNA, Sanae, 75.88 178 P P, 11 31 40.7 +2.2, VNA3, Neumayer Olymp, 76.04 176 P P, 11 31 52.0 +1.4, VNA3, Neumayer Olymp, 76.04 176 P P, 11 31 41.5 +2.1, VNA3, Neumayer Olymp, 76.04 176 P P, 11 31 43.8 +4.4, VNA3, Neumayer Olymp, 76.04 176 P P, 11 31 54.8 +1.5, VNA2, Neumayer-Watz, 76.47 177 P P, 11 31 43.8 +2.0, VNA2, Neumayer-Watz, 76.47 177 P P, 11 31 45.3 +3.5, VNA2, Neumayer-Watz, 76.47 177 P P, 11 31 55.4 +1.4, NVL, Neumayer-Watz, 76.47 177 P P, 11 31 57.8 +1.6, NVL, N'lazarevskaya, 76.60 183 P P, 11 31 39.9 -2.6, NVL, comp-Z, 7.3nm, 1.9s, mb5.3, pmax, pmax, 11 31 30.2 +1.7, NVL, comp-N, 20nm, 1.0s, pmax, pmax, 11 31 34.8 +2.0, NVL, comp-E, 25nm, 1.8s, pmax, pmax, 11 31 45.3 +2.2, VNA1, Neumayer-Stat, 76.70 177 P P, 11 31 48.8 +0.7, VNA1, Neumayer-Stat, 76.70 177 P P, 11 31 53.3 +1.0, VNA1, Neumayer-Stat, 76.70 177 P P, 11 31 59.3 +1.6, YSS, Yuzh-Sakhalins, 86.76 334 eP S, 11 32 35.8 -0.3, YSS, Yuzh-Sakhalins, 86.76 334 eP S, 11 42 58.0 -1.4, YSS, comp-Z, 60nm, 1.0s, mb5.8, pmax, pmax, 11 32 36.4 +0.3, YSS, Yuzh-Sakhalins, 86.76 334 eP P, 11 32 38.5 -0.8, LKC, Lake Chabot, 87.38 41 eP P, 11 32 43.1 +0.7, NSHM, Saint Helena R, 87.64 40 eP P, 11 32 43.9 -0.9, CMB, Columbia Col, 88.52 42 eP P, 11 32 47.4 -0.1, TUN, Tungsten Hills, 89.09 43 eP P, 11 32 47.9 -1.3, WDC, Whiskeytown Da, 89.15 39 eP P, 11 32 46.5 -1.3, WCN, Washoe City, 89.76 41 eP P, 11 32 50.2 -0.5, BEKR, Beckworth, 89.82 41 eP P, 11 32 48.5 -2.4, YBH, Yreka Blue Hor, 89.89 38 P P, 11 32 51.1 -0.1, YBH, Yreka Blue Hor, 89.89 38 P P, 11 32 51.8 -0.6, NVAR, Mina Array Bea, 89.98 43 P P, 11 32 51.3 -0.4, NVAR, Mina Array Bea, 89.98 43 P P, 11 32 53.0 -0.7, NEN, Nelson, 90.17 47 eP P, 11 32 55.1 +0.3, TPD, Tonopah, 90.36 44 eP P, 11 32 52.8 -0.7, TUC, Tucson, 90.61 51 eP P, 11 32 55.1 +0.3, MOD, Modoc, 91.28 39 P P, 11 32 57.8 +0.2, CN2, Chanchung, 91.90 323 eP P, 11 32 59.9 -0.9, CN2, comp-Z, 10.0nm, 1.0s, mb5.1, AMB, AMB, 11 32 59.9 -0.9, WUAZ, Wupatki, 92.25 49 P P, 11 33 02.6 +0.4, WUAZ, comp-Z, 22nm, 1.1s, mb5.4, 11 33 02.6 +0.4, WVOR, Wild Horse Val, 92.54 40 P P, 11 33 03.8 +0.4, WVOR, comp-Z, 5nm, 1.3s, mb5.3, 11 33 03.8 +0.4, KLR, Kuldur, 92.95 330 eP P, 11 33 05.2 +0.1, VGB, Gordon Butte, 93.56 36 P P, 11 33 08.3 +0.3, MSU, Marysvalle, 93.64 46 eP P, 11 33 09.2 +0.7, SRU, San Rafael, 93.62 46 eP P, 11 33 12.6 -2.3, ANMO, Albuquerque, 95.08 52 eP P, 11 33 14.9 -0.3, ANMO, Albuquerque, 95.08 52 eP P, 11 33 14.0 -0.2, MA2, Magadan, 95.46 345 eP S, 11 33 17.6 +1.2, MA2, comp-Z, 10.0nm, 1.5s, mb5.0, pmax, pmax, 11 33 17.6 +1.2, MA2, Magadan, 95.46 345 eP P, 11 33 17.5 +1.1, PV10, Paradox Valley, 95.48 48 eP P, 11 33 19.6 +2.6, HLID, Hailey, 95.59 41 eP P, 11 33 17.1 -0.4, PV01, Paradox Valley, 95.63 48 eP P, 11 33 20.3 +2.5, LPAZ, comp-Z, 3.4nm, 1.2s, mb4.7, baz=198, slow=4, SNR=6.4, 11 33 20.5 +2.8

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, h, m, s, ISC. Includes stations like PDAR Pinedale Array, JTS Juntas Abangare, CPUP Villa Florida, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, h, m, s, ISC. Includes stations like DRGI Dragot, MBH Mount Berech, PRNI Paran, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res, h, m, s, ISC. Includes stations like PUZ Puketiti, URZ Urewera, RPZ Rata Peaks, etc.

Code Station Name Az El P Q R S T U V W X Y Z Time Res h m s ISC









7d 13h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SISC, PVCC, RUE, PRU, NA001, etc.

2004 MAR

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SBF, BDF, MBI, WRA, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PMR, SML, EADA, ERO, etc.



7d 15h

Table with columns: AKS, Alkhisar, 1.93 343 PN, Pn, 14 34 53.3 -1.5, etc.

IDC 07 14:43:58.2, 3.2, 32.47S; 178.24W, mb3.8/2, mb1 4.0/3, mb1mx3.9/10, ML3.2/1, Error ellipse: s-maj=72.6km s-min=46.7km az=120.0

NEIC 07 14:43:59.6, 1.3, 32.51S; 178.26W, h10km, mb4.6/1, Error ellipse: s-maj=31.0km s-min=21.1km az=81.0

ISC 07 14:44:00.5, 7.3, 32.7S, 0.1x178.4W, 0.3, h17km, 52km, n6, c1529/6, mb4.0/3, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

IDC 07 15:02:50.9, 2.6, 50.32S; 111.46E, mb3.8/2, mb1 4.1/2, mb1mx4.0/6, Error ellipse: s-maj=169.0km s-min=52.4km az=121.0

NEIC 07 15:02:51.9, 0.9, 49.71S; 110.63E, h10km, mb4.0/3, Error ellipse: s-maj=45.5km s-min=20.0km az=120.0

ISC 07 15:02:50.6, 1.0, 49.7S, 0.2x110.7E, 0.4, h10km, n8, c1531/5, mb3.9/5, Southeast Indian Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

BUJ 07 15:04:49.9, 3.2, 28S; 178.07W, h15km, mb5.4, mb5.2, MS5.6, MSz5.4

MOS 07 15:04:50.8, 0.9, 32.21S; 178.27W, h10km, mb5.6/17, MS5.6/18, Error ellipse: s-maj=18.8km s-min=16.3km az=56.0

IDC 07 15:04:50.3, 0.7, 32.40S; 178.43W, mb5.0/9, mb1 5.2/11, mb1mx5.1/14, ML4.7/2, MS5.3/9, Ms1 5.3/9, ms1mx5.1/15, Error ellipse: s-maj=29.3km s-min=14.8km az=165.0

SYO 07 15:04:51.1, 32.53S; 178.30W, h10km, MB5.2, MS5.6, HRVD 07 15:04:51.1, 32.41S; 177.73W, h15km, MW5.7/71, Centroid moment Tensor Solution. LP body waves: s65, c116, Mantle waves: s71, c137. Half duration: 1.6 Moment tensor: Scale 101Nm; Mw: 1.33±0.03; Mw-0.01±0.02; Mw-1.31±0.2; Mw-0.50±0.09; Mw-0.37±0.02; Mw-3.40±0.08; Best double couple: Ms3.7x1017 NP1p±202°, δ11°, λ103°. NP2p±9°, δ79°, λ89°. Principal axes: T 3.67, Plg56°, Azm276°; N: 0.7, Plg2°, Azm9°; P: -3.73, Plg34°, Azm101°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 07 15:04:51.1, 32.53S; 178.30W, h10km, mb5.2/23, MS5.6/86, MW5.8, Error ellipse: s-maj=13.5km s-min=7.2km az=141.0, Moment Tensor Solution. s10 Moment tensor: Scale 101Nm; Mw: 0.39; Mw-0.50; Mw-0.89; Mw-2.02; Mw-0.49; Mw-5.16; Best double couple: Ms5.6x1017 NP1p±124°, δ9°, λ133°. NP2p±21°, δ88°, λ99°. Principal axes: T 5.62, Plg46°, Azm300°; N: -0.1, Plg9°, Azm201°; P: -5.61, Plg42°, Azm103°.

ISC 07 15:04:52.9, 1.3, 32.82S; 0.06x178.28W, 0.07, h34km±11km, h18km±4.5km; p-P, n344, c1916/106, mb5.1/35, MS5.6/104, 15C-10D, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc.

2004 MAR

Main table with columns: TIAR, Tiarei, 30.15 67 eP, 15 11 01.3 -0.7, etc.

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Table with columns: MTUM, Tungsten Hills, 89.28 43 eP, P, 15 17 46.8 -0.1, etc.





MKAN Makanchi Array 57.67 325 P P 16 50 27.7 -2.5

NEIC 07 16:54:57.5, 33.155x70.22W, h8km, ML2.2(GUC), After GUC.

GUC 07 16:54:57.5, 0.7, 33.155x70.22W, h8km, 1km, MD3.6, ML2.2, 2C-2D, Chile-Arizona border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Farellones, Cerro Calan, Colegio Aleman, Pirque, Jahuel, Rinconada Maip, etc.

BUII 07 16:55:21.7, 3.52N, 126.78E, h26km, mb4.9, mb4.8, Ms4.2, Ms4.1

IDC 07 16:55:21.9, 0.6, 3.80N, 125.97E, mb4.5/14, mb1.4/6/14, mb1mx4.5/17, MS3.9/2, Ms1.4/0.2, ms1mx3.5/14, Error ellipse: s-maj=43.0km s-min=12.3km az=73.0

NEIC 07 16:55:26.1, 5.5, 3.88N, 126.16E, h27km, 39km, mb4.7/22, Error ellipse: s-maj=15.6km s-min=0.2km az=73.0

ISC 07 16:55:26.3, 0.7, 3.85N, 126.22E, 0.09, h41km, 8km, n6.4, c110/69, mb4.6/38, MS4.0/3, 2C, Talaud Islands

Main table for the first column containing station data for various regions like Talaud Islands, Warramunga Arr, etc.

SPITS Spitsbergen Ar 90.26 349 P P 17 08 24.3 +0.8

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

DJA 07 17:12:54.4, 0.9, 9.56S, -117.00E, h15km, ML4.0/4, 6C-2D, Error ellipse: s-maj=20.7km s-min=15.5km az=31.0, Sumbawa region

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

NEIC 07 17:13:44.7, 45.96N, 3.02E, h2km, ML1.6(LDG), After LDG.

LDG 07 17:13:44.7, 0.1, 45.96N, 3.02E, h2km, MD1.9/1, M1.1/6.5, Error ellipse: s-maj=2.3km s-min=1.2km az=146.0

STR 07 17:13:46.4, 0.7, 46.01N, 3.03E, h2km, 1km, M1.7, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

ISC 07 17:13:44.7, 45.96N, 3.02E, 0.03, 2.99E, 0.04, h9km, 4km, n12, c088/25, France

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Saint Agoulin, Petit Puy Mans, etc.

IDC 07 17:21:43.6, 1.9, 1.17N, 126.54E, mb3.7/3, mb1.3/8/3, mb1mx3.7/10, Error ellipse: s-maj=166.0km, s-min=23.0km az=66.0, Northern Molucca Sea

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

NEIC 07 17:47:38.3, 3.1, 21.59N, 142.98E, h294km, 31km, mb4.3/1, Error ellipse: s-maj=27.9km s-min=10.5km az=92.0

IDC 07 17:47:40.5, 1.8, 21.59N, 142.97E, h316km, 18km, mb3.4/6, mb1.3/7/8, mb1mx3.5/15, Error ellipse: s-maj=32.9km s-min=13.4km az=95.0

ISC 07 17:47:40.7, 1.4, 21.61N, 142.6E, 0.2, h332km, 14km, n19, c105/18, mb3.9/1, 1C, Mariana Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Chichi jima, CBIJ, JHJ, MAJO, etc.

IDC 07 18:01:35.4, 2.7, 9.12S, 120.22E, mb4.0/1, mb1.4/4/3, mb1mx4.2/8, ML4.0/2, Error ellipse: s-maj=266.0km s-min=26.7km az=52.0

DJA 07 18:01:39.1, 0.8, 9.70S, 120.00E, h160km, MD4.6/4, ML5.8/4, Error ellipse: s-maj=85.1km s-min=17.1km az=13.0

NEIC 07 18:01:42.0, 0.9, 9.74S, 119.89E, h66km, 17km, MD4.6(DJA), Error ellipse: s-maj=20.6km s-min=6.7km az=214.0

ISC 07 18:01:42.0, 1.1, 9.95S, 0.1, 119.81E, 0.09, h100km, 14km, n20, c98/80/30, mb4.7/5, 10C, Sumba region

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

IDC 07 18:33:50.1, 1.9, 32.51S, 178.13W, mb4.4/2, mb1.4/5/4, mb1mx4.3/11, ML3.9/2, Error ellipse: s-maj=54.7km s-min=29.1km az=125.0

NEIC 07 18:33:52.2, 2.1, 32.49S, 178.26W, h10km, mb4.5/2, Error ellipse: s-maj=29.1km s-min=18.7km az=103.0

ISC 07 18:33:54.8, 1.6, 32.74S, 0.09, 178.8W, 0.2, h10km, n16, c051/13, mb4.3/4, South of Kermadec Islands

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

IDC 07 18:40:08.8, 1.5, 7.25N, 94.08E, mb3.9/7, mb1.4/1/7, mb1mx3.9/13, MS3.5/3, Ms1.3/5, ms1mx3.2/17, Error ellipse: s-maj=88.8km s-min=18.9km az=54.0

NEIC 07 18:40:11.2, 1.1, 7.29N, 94.13E, h15km, Error ellipse: s-maj=67.8km s-min=14.5km az=54.0

ISC 07 18:40:09.4, 1.3, 7.2N, 94.1E, 0.4, h15km, n15, c180/15, mb4.0/9, MS3.5/3, Nicobar Islands region

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

BUII 07 18:49:06.6, 27.64N, 142.64E, h25km, mb4.6, mb4.6

NEIC 07 18:49:02.0, 0.4, 27.77N, 142.88E, mb4.4/5, Error ellipse: s-maj=15.0km s-min=8.7km az=77.0

IDC 07 18:49:08.9, 0.5, 27.71N, 142.99E, h36km, 3km, mb3.9/13, mb1.4/1/13, mb1mx4.1/16, MS3.2/1, Ms1.3/2, ms1mx2.8/22, Error ellipse: s-maj=16.8km s-min=11.4km az=114.0

ISC 07 18:49:07.2, 0.5, 27.83N, 0.05, 142.90E, 0.09, h37km, h37km, 1.6km, pP, n37, c101/33, mb4.4/22, Bonin Islands region

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

Table with columns: Station Name, Time, Res, and other data. Includes stations like MAJO Matsushiro, MAT Matsushiro, JNU Nakatsue, etc.

Table with columns: Station Name, Time, Res, and other data. Includes stations like ZAL Zalesovo, ZAL Zalesovo, GUN Gumba, etc.

Table with columns: Station Name, Time, Res, and other data. Includes stations like MKAR Makanchi Arr, MKAR Makanchi Arr, KKN Kakani, etc.

Table with columns: Station Name, Time, Res, and other data. Includes stations like ARCES ARCES Array B, ARCES ARCES Array B, JOF Joensuu, etc.

Table with columns: Station Name, Time, Res, and other data. Includes stations like KEDI Kedondong, KEDI Kedondong, RATI Rata, etc.

Table with columns: Station Name, Time, Res, and other data. Includes stations like PYN Poneleya, PYN Poneleya, LEON Leon, etc.

Table with columns: Station Name, Time, Res, and other data. Includes stations like TICN Americas 2, WILN Apoyo, APON Apoyo, etc.

Table with columns: Station Name, Time, Res, and other data. Includes stations like ASAR Alice Springs, ASAR Alice Springs, WRA Warramunga Arr, etc.

Table with columns: Station Name, Time, Res, and other data. Includes stations like URZ Urewera, URZ Urewera, ASAR Alice Springs, etc.

Table with columns: Station Name, Time, Res, and other data. Includes stations like EFAM Famara, EFAM Famara, CFTV Fuerteventura, etc.

Table with columns: Station Name, Time, Res, and other data. Includes stations like EGRO El Granado, EGRO El Granado, PBEJ Beja, etc.

Table with columns: Station Name, Time, Res, and other data. Includes stations like COPN Copaltepe, COPN Copaltepe, TICN Ticuantepe, etc.

Table with columns: Station Name, Time, Res, and other data. Includes stations like CNGN Cerro Negro, TEL3 Telica 3, CRZC La Cruz, etc.

Table with columns: Station Name, Time, Res, and other data. Includes stations like CPCT Cooper Cave, WMOK Wichita Mount, PDAR Pinedale Array, etc.

Table with columns: Station Name, Time, Res, and other data. Includes stations like CBYP Canovas, MTP Monte Pirata, HMP Col San Antoni, etc.

Table with columns: Station Name, Time, Res, and other data. Includes stations like URZ Urewera, URZ Urewera, ASAR Alice Springs, etc.

Table with columns: Station Name, Time, Res, and other data. Includes stations like URZ Urewera, URZ Urewera, CTAO Charters Tower, etc.

Table with columns: Station Name, Time, Res, and other data. Includes stations like RSSD Black Hills, BW06 Boulder Array, PDAR Pinedale Array, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like LCCM Lewis and Clar, DAU Daniels Canyon, etc.

NIC 07 21:55:27.7, 0.3, 35.86N, 32.34E, h15km, ML3.1, MW3.0
NEIC 07 21:55:27.7, 35.86N, 32.34E, h15km, ML3.1 (NIC), After NIC.

ISK 07 21:55:28.8, 35.77N, 32.53E, h5km, MD3.1
ISC 07 21:55:29.4, 1.2, 35.79N, 0.04, 32.49E, 0.08, h8km, 8km, n9,

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

IDC 07 22:10:13.8, 3.3, 32.58S, 178.84W, mb3.6/2, mb1 3.8/3,
mb1mx3.8/9, ML3.1/1, Error ellipse: s-maj=72.1km

ISC 07 22:10:08.5, 5.9, 32.75S, 0.2, 178.3W, 0.9, n4, c09/19/4,
mb3.5/2, South of Kermadec Islands

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

NEIC 07 22:18:03.6, 1.7, 37.01N, 54.94E, h36km, 14km, mb4.3/11,
Error ellipse: s-maj=16.4km, s-min=7.5km, az=163.0

MOS 07 22:16:03.9, 1.7, 37.32N, 54.71E, h33km, mb5.0/4, Error
ellipse: s-maj=12.9km, s-min=6.3km, az=119.3

BJJ 07 22:18:03.6, 36.91N, 55.05E, h29km, mb4.8, mb4.4, Ms4.6,
Ms24.3

THR 07 22:18:04.0, 0.3, 37.05N, 54.88E, h15km, MD4.3
IDC 07 22:18:04.7, 4.3, 36.87N, 55.02E, h52km, 40km, mb3.9/16,
mb1 4.1/19, mb1mx4.0/23, ML3.3/9, MS3.7/8, Ms1 3.7/8,
ms1mx3.5/20, Error ellipse: s-maj=29.2km, s-min=16.1km,
az=166.0

NNC 07 22:18:09.4, 11.0, 37.74N, 55.71E, Error ellipse:
s-maj=165.3km, s-min=62.6km, az=68.0

ISC 07 22:18:01.9, 0.3, 37.10N, 0.04, 54.90E, 0.04, h33km, n95,
r19/19/103, mb4.3/37, MS3.8/10, C6-7D,
Iran-Turkmenistan border region

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

ISC 07 22:18:01.9, 0.3, 37.10N, 0.04, 54.90E, 0.04, h33km, n95,
r19/19/103, mb4.3/37, MS3.8/10, C6-7D,
Iran-Turkmenistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like GOF Gofitskoye, AB31 Akbulak array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like ZRNC Zerenda, KAMS Al Khamsin, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like MOS Moscow, MK31 Makanchi Array, etc.

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

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

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like KRSC 07 23:10:18.4, 1.0, 54.35N, 162.05E, etc.

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

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

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

8d 0h

Table with columns: Code, Station Name, SNR, Az, Phase ID, Time, Res. Includes stations like AAK Ala-Archa, KBK Karagaybulak, etc.

NEIC 07 23:34:00.6, 43.05N, 0.09W, h2km, MD1.3(LDG), After STR.

STR 07 23:34:00.6, 0.0, 43.05N, 0.09W, h2km, 1km, M1.2, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0.

LDG 07 23:34:00.2, 1.43, 0.04N, 0.05W, h12km, M1.3/2, M10.8/1, Error ellipse: s-maj=1.6km s-min=0.7km az=163.0.

ISC 07 23:35:59.3, 1.3, 43.11N, 0.09, 0.05W, 0.05, h12km, n5, 0.873, Pyrenees

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LABF Labassere, VIEF Vief, etc.

WEL 07 23:40:55.6, 0.3, 38.26S, -176.03E, h158km, 2km, ML3.6/4, 2C, Error ellipse: s-maj=2.3km s-min=1.9km az=0.0.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MGZ Maungaku, URZ Urewera, etc.

NEIC 07 23:55:10.2, 0.8, 32.44S, 177.96W, h10km, Error ellipse: s-maj=28.2km s-min=13.6km az=123.0.

ICC 07 23:55:15.7, 1.3, 32.53S, 178.13W, h42km, 7km, mb3.8/3, mb1.4/5, mb1mx4.0/1.1, ML3.6/2, Error ellipse: s-maj=36.9km s-min=18.0km az=129.0.

ISC 07 23:55:13.0, 0.5, 32.65S, 0.178, 1.1W, 0.3, h33km, 43km, h38km, 1.0km, pp-P, n12, 0.6/17/10, mb4.0/3, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like URZ Urewera, RPZ Rata Peaks, etc.

NEIC 07 23:59:50.5, 2.1, 19.41N, -145.98E, h263km, 18km, mb4.1/5, Error ellipse: s-maj=34.1km s-min=29.1km az=79.0.

BUI 07 23:59:50.1, 19.00N, -145.30E, h253km, mb4.4, IDC 08 00:00:08.8, 5.4, 19.17N, -144.83E, h424km, 57km, mb3.6/7, mb1.3/8, mb1mx3.6/1.7, Error ellipse: s-maj=48.0km s-min=14.5km az=81.0.

ISC 07 23:59:49.6, 0.9, 19.41N, -0.08, -145.9E, 0.3, h263km, n20, 0.68120, mb4.0/12, 1C, Mariana Islands

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

2004 MAR

Table with columns: Code, Station Name, SNR, Az, Phase ID, Time, Res. Includes stations like CHKZ Chkalovo, BVAR Borovoye Array, etc.

NEIC 08 00:13:10.2, 38.34S, -177.90E, h29km, ML3.9(WEL), After WEL.

WEL 08 00:13:09.2, 0.1, 38.40S, -177.97E, h28km, 1km, ML4.1/8, 6C-3D, Error ellipse: s-maj=1.4km s-min=0.9km az=90.0.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NOZ North Gisborne, MWZ Matawai, etc.

CASC 08 00:19:56.1, 2.2, 10.59N, -86.39W, MD4.1, 5C-5D, Off coast of Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CRZC La Cruz, CONN Concepcion, etc.

NAO 08 00:30:46.9, 1.3, 6.73N, -20.51E, ML2.1 HEL 08 00:30:46.7, 0.1, 6.73N, -20.22E, ML2.1, ML2.0(BER), ML2.1(NAO), Explosion

BER 08 00:30:47.4, 4.4, 6.74N, -20.18E, ML2.0, ML2.1(NAO), Suspected explosion

ISC 08 00:30:42.8, 0.4, 6.72N, -20.14E, 0.07, n26, 0.6167/51, Sweden

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KIF Kilpisjärvi, KTK1 Kautokeino, etc.

NEIC 08 00:44:12.3, 39.65S, -174.42E, h132km, After WEL.

WEL 08 00:44:12.8, 0.2, 39.67S, -174.43E, h125km, 2km, ML3.6/5, 1C-3D, Error ellipse: s-maj=1.4km s-min=0.9km az=90.0.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RAEZ Rainy Point, RAEI Rainy Point, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Pawanui, Black Birch, Blackbirch Sta, Tophouse, etc.

IDC 08 01:06:05.8:2.1, 4.04N-126.81E, mb3.5/3, mb1 3.8/3, mb1mx3.7/12, Error ellipse: s-maj=167.0km s-min=25.4km az=66.0, Talaud Islands

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

WEL 08 01:22:23.7:0.1, 38.42Sx177.97E, h30km, mb1.1km, ML3.6/5, 4C-1D, Error ellipse: s-maj=1.7km s-min=1.1km az=90.0, North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like North Gisborne, Matawai, Puketiti, Kokohu, Urewera, Matakaoa Point, etc.

NEIC 08 01:31:53.9, 35.10N-3.96W, MG3.8(MDD), After MDD. MDD 08 01:31:54.1:1.0, 35.11N-3.96W, mb3.8/16, Error ellipse: s-maj=9.6km s-min=4.5km az=11.0, PRXIMO Aftershock PLICA

INMG 08 01:31:55.2:1.1, 35.05N-4.00W, h25km, 12km, ML2.6, Error ellipse: s-maj=6.4km s-min=2.4km az=1.0

ISC 08 01:31:54.1:0.7, 35.16N-0.04, 4.06W-0.03, h25km, n50, e1940/94, Strait of Gibraltar

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Melilla, Alboran, Real Reales, Jimena Fronter, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EGRO, EVIA, ETOB, PBOE, PBEJ, etc.

IDC 08 01:06:05.8:2.1, 4.04N-126.81E, mb3.5/3, mb1 3.8/3, mb1mx3.7/12, Error ellipse: s-maj=167.0km s-min=25.4km az=66.0, Talaud Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PLOU, PTOM, PTOM, EIBI, EIBI, etc.

WEL 08 01:22:23.7:0.1, 38.42Sx177.97E, h30km, mb1.1km, ML3.6/5, 4C-1D, Error ellipse: s-maj=1.7km s-min=1.1km az=90.0, North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MTE, EMOS, EMOS, PVIS, PVIS, ERTA, ERTA, etc.

KRSC 08 01:42:57.2:1.1, 54.32Nx162.08E, h22km, 2km, ML3.8, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MKZ, TUMR, SPN, KMN, Zelenaya, etc.

NEIC 08 02:29:24.6:1.5, 3.87S-76.01W, h137km, 14km, Error ellipse: s-maj=29.6km s-min=14.2km az=64.0

IDC 08 02:29:27.8:4.3, 3.82S-75.70W, h172km, 41km, mb3.5/6, mb1 3.7/8, mb1mx3.5/17, MS3.3/1, Ms1 3.2/1, Ms1mx2.9/10, Error ellipse: s-maj=53.8km s-min=31.6km az=77.0

ISC 08 02:29:24.1:1.6, 3.95S-0.176, 2W.0.2, h144km, 14km, n19, e0597/18, mb4.1/9, Northern Peru

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OTAV, ROSC, LPAZ, LPAZ, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BDFB, MSU, DAU, PDAU, ULM, etc.

NEIC 08 02:39:05.4 44.35N-11.69E, h10km, MD2.5(ROM), ML2.7(VIE), ML2.6(LDG), After ROM. LDG 08 02:39:06.0:0.4, 44.37N-11.61E, h10km, MD2.5/17, Error ellipse: s-maj=7.9km s-min=5.3km az=103.0

ROM 08 02:39:05.4:0.4, 44.35N-11.69E, h10km, MD2.5/17, ML1.8/5, 5C, Error ellipse: s-maj=1.4km s-min=1.4km az=0.0, Northern Italy

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



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Crater GGP, PINO, YANA, ANTI, NASTI, etc.

Table with columns: YUK, Yuzh-Kuril'sk, YUK, Yuzh-Kuril'sk, YUK, Yuzh-Kuril'sk, etc. Includes station codes and times.

Table with columns: YAK, Yakutsk, YAK, Yakutsk, YAK, Beijing, BJI, Bajijatuau, etc. Includes station codes and times.

IDC 08 05:55:34.1±2.8,32.41Sx178.50W,mb4.2/2,mb1 4.4/3, mb1mx4.2/11,ML3.7/11,3D,Error ellipse: s-maj=65.2km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like URZ, RPZ, ASAR, WRA, SNA, etc.

DJA 08 06:05:04.2±0.9,8.81S,114.93E,h111km,6km,MD4.5/2, ML4.5/1,4C-4D,Error ellipse: s-maj=28.1km

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

NEIC 08 06:06:33.0±0.6,21.51S,66.80W,h214km,6km,Error ellipse: s-maj=13.0km s-min=9.7km az=214.0

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

IDC 08 06:06:33.0±0.6,21.51S,66.80W,h214km,6km,Error ellipse: s-maj=13.0km s-min=9.7km az=214.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CPUP, BDFB, PDAR, etc.

ISC 08 06:06:32.0±0.8,21.55S,0.08-66.8W,0.1,h221km,6km,n12,±0.57/11,mb3.3/5,Southern Bolivia

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

NIED 08 06:27:04.4,10N,147.90E,h47km,Mw4.5, Best double couple: Ms5.7x1015 NPI±11°,δ74°,λ70°. NP2±0.244°, δ25°,λ141°

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

MOS 08 06:27:34.8±1.0,44.34N,148.00E,h63km,mb4.7/24,Error ellipse: s-maj=10.8km s-min=7.1km az=94.9

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ULM, NVAR, YBH, etc.

JMA 08 06:27:35.0±0.2,44.05N,147.89E,M5.3,SKHL 08 06:27:36.4±1.8,44.40N,148.10E,h34km,2km,mb5.0/8,ms3.9/1

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

NEIC 08 06:27:37.8±1.0,44.49N,147.93E,h73km,9km,mb4.6/15,Error ellipse: s-maj=10.4km s-min=7.4km az=130.0

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

BJI 08 06:27:37.5±1.4,44.29N,148.00E,h85km,mb5.1,mb4.8,Ms4.3,Ms3.9

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

IDC 08 06:27:39.7±1.4,44.49N,147.92E,h88km,27km,mb4.0/16,mb1 4.2/18,mb1mx4.2/20,MS3.8/4,Ms1 3.9/4,ms1mx3.6/23,Error ellipse: s-maj=17.3km s-min=13.1km az=132.0

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

ISC 08 06:27:35.7±0.6,44.42N,0.04-148.02E,0.06,h66km,4km,n143,±1.08/149,mb4.5/39,12D,Kuril Islands

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

WRA 08 06:27:35.0±0.2,44.05N,147.89E,M5.3,SKHL 08 06:27:36.4±1.8,44.40N,148.10E,h34km,2km,mb5.0/8,ms3.9/1

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

ISC 08 06:27:35.7±0.6,44.42N,0.04-148.02E,0.06,h66km,4km,n143,±1.08/149,mb4.5/39,12D,Kuril Islands

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

WRA 08 06:27:35.0±0.2,44.05N,147.89E,M5.3,SKHL 08 06:27:36.4±1.8,44.40N,148.10E,h34km,2km,mb5.0/8,ms3.9/1

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

WRA 08 06:27:35.0±0.2,44.05N,147.89E,M5.3,SKHL 08 06:27:36.4±1.8,44.40N,148.10E,h34km,2km,mb5.0/8,ms3.9/1

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

WRA 08 06:27:35.0±0.2,44.05N,147.89E,M5.3,SKHL 08 06:27:36.4±1.8,44.40N,148.10E,h34km,2km,mb5.0/8,ms3.9/1

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

WRA 08 06:27:35.0±0.2,44.05N,147.89E,M5.3,SKHL 08 06:27:36.4±1.8,44.40N,148.10E,h34km,2km,mb5.0/8,ms3.9/1

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

WRA 08 06:27:35.0±0.2,44.05N,147.89E,M5.3,SKHL 08 06:27:36.4±1.8,44.40N,148.10E,h34km,2km,mb5.0/8,ms3.9/1

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

WRA 08 06:27:35.0±0.2,44.05N,147.89E,M5.3,SKHL 08 06:27:36.4±1.8,44.40N,148.10E,h34km,2km,mb5.0/8,ms3.9/1

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

WRA 08 06:27:35.0±0.2,44.05N,147.89E,M5.3,SKHL 08 06:27:36.4±1.8,44.40N,148.10E,h34km,2km,mb5.0/8,ms3.9/1

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

Table with columns: NOA, comp, Z, 1.0nm, 0.4s, pmax, pmax, MLR, MLR, etc. Includes stations like KIV Kislovodsk, ULM Lac du Bonnet, SOCH Schefferville, etc.

IDC 08 07:04:23.6:3.0, 32.60S-178.18W, mb4.1/2, mb1 4.3/3, mb1mx3.8/15, ML3.4/2, Error ellipse: s-maj=69.8km s-min=36.2km az=118.0, South of Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like URZ Urewera, RPZ Rata Peaks, ASAR Alice Springs, etc.

IDC 08 07:04:56.1:1.2, 36.14N-69.01E, mb3.7/8, mb1 3.9/10, mb1mx3.8/15, ML3.4/2, Error ellipse: s-maj=31.4km s-min=20.1km az=70.0

MOS 08 07:05:00.3:1.3, 36.42N-68.86E, h33km, mb4.0/6, Error ellipse: s-maj=28.1km s-min=9.7km az=77.0

NEIC 08 07:05:02.8:2.9, 36.45N-69.08E, h39km, 26km, Error ellipse: s-maj=27.7km s-min=12.7km az=61.0

NNC 08 07:05:03.8:12.0, 36.38N-69.07E, h99km, 127km, pv4.0, Error ellipse: s-maj=112.0km s-min=94.8km az=101.0

ISC 08 07:05:01.7:1.5, 36.40N-0.05E-68.9E, 0.1, h47km, 13km, n56, c1921/63, mb3.6/7, 4C-4D, Hindu Kush region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like KK31 Karatay Array, KK31 Uls, KKAR Karatay Array, etc.

Main table with columns: USP, Osenovka, 8.08 30 P, P, 07 06 58.9 -0.3, etc. Includes stations like ULHL Ulahol, SDRN Sundarnagar, SDRN Tokmak 2, etc.

IDC 08 07:11:01.5:2.1, 3.79N-126.10E, mb3.6/3, mb1 3.9/3, mb1mx3.8/17, Error ellipse: s-maj=190.0km s-min=25.5km az=65.0, Talaud Islands

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

NEIC 08 07:28:05.2:2.5, 51.61N-16.08E, h5km, ML2.9(VIE), az=218.0

WAR 08 07:28:06.6:51.56N-16.01E, h1km, Location given by Polkowice mine, origin time based upon KSP

PRU 08 07:28:06.6:51.54N-16.01E, ISC 08 07:28:04.7:0.8, 51.52N-0.04E-15.99E-0.04, n17, c1906/39, 1C, Poland

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

Table with columns: MORC Moravsky Berou, 2.00 150 ePn, Pn, 07 28 40.7 +0.6, etc. Includes stations like MORC Ostrava-Krasne, MORC Novy Kostel, etc.

IDC 08 07:32:24.1:5.0, 7.53N-75.47W, h62km, 63km, mb2.8/2, mb1 3.3/3, mb1mx3.1/16, ML2.1/1, Error ellipse: s-maj=178.0km s-min=28.1km az=74.0, Northern Colombia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like ROSC El Rosal, ROSC Pinedale Array, YKA Yellowknife Arr, etc.

IDC 08 08:07:14.7:1.5, 2.79S-141.69E, mb3.4/3, mb1 3.7/4, mb1mx3.7/9, ML3.6/1, Error ellipse: s-maj=66.0km s-min=26.3km az=102.0

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

IDC 08 08:37:56.5:6.1, 10.43N-42.10W, mb3.9/4, mb1 4.2/4, mb1mx3.7/16, MS3.6/3, Ms1 3.6/3, ms1mx3.2/17, Error ellipse: s-maj=210.0km s-min=33.2km az=105.0, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like BDFB Brasilia, ROSC El Rosal, LPAZ La Paz, etc.

BJI 08 09:27:23.1, 56.36N-114.40E, h20km, mb4.7, mb4.5, Ms4.1, Ms3.9

LDG 08 09:27:23.2:0.3, 56.39N-113.76E, h10km, Mb4.7/9, Ms3.6/6, Error ellipse: s-maj=15.9km s-min=3.9km az=110.0

NEIC 08 09:27:25.0:4.56, 19N-114.19E, h20km, mb4.9/8, Error ellipse: s-maj=9.1km s-min=7.5km az=153.0

NEIC Felt (III) at Bodayo and Nelyaty, IDC 08 09:27:25.0:4.56, 19N-114.14E, h20km, 2km, mb4.2/16, mb1 4.4/16, mb1mx4.3/18, MS3.6/6, Ms1 3.7/6, ms1mx3.5/21, Error ellipse: s-maj=14.8km s-min=13.4km az=37.0

BYKL 08 09:27:25.9:0.2, 56.16N-114.11E, h20km, 3km, #FAULT PLANE Typ Strike Dip Rake NP NS Plane Author #FM 79.00 56.00 -78.00 16 0 IEC + 238.00 36.00 -107.00 IEC #PRINAX sc pl AT azim T, pl B, val B, azim B, pl P, val P, azim P, pl Author + stV eT a eT p eB a eB o eP a eP tCLVD # 160.00 10.00 252.00 10.00 26.00 76.00 IEC + 0.00 0.00 0.00 0.00 0.00 0.00 Felt=V MSK at Severomuisk, IV at Mamakan, II-III at Nelyaty, II-III at Bodayo

MOS 08 09:27:25.0:1.1, 56.20N-114.15E, h29km, mb4.6/21, Error ellipse: s-maj=8.6km s-min=6.4km az=80.6

MOS Felt (II) at Dobaibo; (II-III) at Nelyaty, ISC 08 09:27:24.4:0.3, 56.30N-0.03E-114.05E-0.05, h20km, (h21km, 5km, ep-P), n134, c1917/176, mb4.3/31, MS3.7/9, 12C-9D, East of Lake Baykal

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like SVKR Severomuysk, SVKR Ukit, SVKR Ukt, etc.

NEIC 08 07:28:05.2:2.5, 51.61N-16.08E, h5km, ML2.9(VIE), az=218.0

WAR 08 07:28:06.6:51.56N-16.01E, h1km, Location given by Polkowice mine, origin time based upon KSP

PRU 08 07:28:06.6:51.54N-16.01E, ISC 08 07:28:04.7:0.8, 51.52N-0.04E-15.99E-0.04, n17, c1906/39, 1C, Poland

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like SVKR Severomuysk, SVKR Ukit, SVKR Ukt, etc.



8d 11h

Table with columns: LOR, MLR, MLR, comp-Z, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like La Plagne, La Druitiere, Signal de Mont, etc.

CASC 08 10:03:20.8-1.9, 13.91N-91.50W, h5km, 8km, MD3.9, ML4.1, 5C-8D, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Jato, Fuego 3, Ixpaco, etc.

MOS 08 10:16:27.0-1.3, 2.05N-128.61E, h33km, mb4.7/8, Error ellipse: s-maj=26.7km s-min=10.6km az=107.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Jato, Fuego 3, Ixpaco, etc.

ISC 08 10:16:29.9-2.2, 1.98N, 0.05-128.53E, 0.09, h59km, 20km, h75km, 3.7km, p-P, n68, h1510.65, mb4.7/33, MS3.5/2, 3C-1D, Halmahera

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

2004 MAR

Main table with columns: LSA, Lhasa, 4494 312 eP, P, 10 24 43.6 +2.6. Includes stations like Yuzh-Sakhalins, Ulanbaatar, Hyderabad, etc.

BER 08 10:44:34.7-5.2, 56.04N-15.42E, h0km, 46km, ML2.1 (NAO)

NAO 08 10:44:35.8-3.3, 56.19N-15.60E, ML2.1, Sweden

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

ISC 08 11:00:57.0-8.0, 0.02N-122.24E, h270km, 82km, mb3.3/3, mb1.3/6.3, mb1mx3.6/9, Error ellipse: s-maj=170.0km s-min=21.5km az=61.0, Minahasa Peninsula, Sulawesi

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

ISC 08 11:17:35.6-1.9, 18.35S-176.51W, mb3.8/4, mb1.4/0.4, mb1mx3.8/10, Error ellipse: s-maj=55.8km s-min=34.1km az=122.0

ISC 08 11:17:38.9-1.8, 18.5S, 0.2x176.5W, 0.4, h33km, n4, 0.95R4, mb3.7/3, Fiji Islands

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

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Table with columns: CRZC, La Cruz, 0.34 205f eP, P, 11 27 49.9 -0.2. Includes stations like CONN, APON, TICN, etc.

NEIC 08 11:27:56.3, 35.22N-3.93W, MG3.5(MDD), After MDD: MDD 08 11:27:56.3-1.3, 35.22N-3.93W, mb3.5/7, Error ellipse: s-maj=13.4km s-min=5.3km az=11.0, PRXIMO

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

NEIC 08 11:32:07.4-2.0, 14.90S-76.04W, h36km, 17km, mb4.3/2, Error ellipse: s-maj=20.3km s-min=11.9km az=66.0

NEIC Felt [1] at Nazca and Palpa. IDC 08 11:32:09.0-4.5, 14.81S-75.95W, h49km, 42km, mb3.8/10, mb1.4/1.1, mb1mx4.1/13, ML4.6/1, MS3.9/5, Ms1 3.9/5, ms1mx3.7/18, Error ellipse: s-maj=48.3km s-min=22.4km az=43.0

ISC 08 11:32:05.2-2.9, 14.9S, 0.1x76.0W, 0.2, h36km, 25km, n28, 0.88R2/1, mb4.2/12, MS3.8/3, 1C, Near coast of Peru

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

TRN 08 11:35:57.3, 16.79N-60.86W, h17km, MD3.5, M3.1(FDF), 1C, Leeward Islands

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





Table with columns: Code, Station Name, SNR, Az, Op, Phase ID, Time, Res, ISC. Includes stations like COGOLLOS-VEGA, LUQUE, QUESADA, HORACHUELOS, etc.

IDC 08 15:50:09.9-4.0, 42.74N-81.42E, mb4.1/1, mb1 4.0/4, mb1mx3.6/18, ML3.7/3, Error ellipse: s-maj=59.1km s-min=28.2km az=124.0

BUI 08 15:50:13.9, 43.15N-79.79E, h25km, ML3.8 NNC 08 15:50:13.9-2.3, 43.24N-79.64E, h3km-10km, mpv3.6, Error ellipse: s-maj=23.6km s-min=10.5km az=149.0

ISC 08 15:50:16.3-1.3, 43.6N-0.1x79.3E-0.2, h3km, n17, r132/21, mb4.1/1, 9C-2D, Lake Issyk-Kul region

Table with columns: Code, Station Name, SNR, Az, Op, Phase ID, Time, Res, ISC. Includes stations like ULHOL, TOKMAK 2, KARAGAYBULAK, etc.

DJA 08 16:02:45.8-0.7, 8.29S-116.10E, h33km, MD4.5/2, ML4.2/2, 6C-2D, Error ellipse: s-maj=18.0km s-min=10.3km az=27.0, Sumbawa region

Table with columns: Code, Station Name, SNR, Az, Op, Phase ID, Time, Res, ISC. Includes stations like KEDI, RATA, INGI, etc.

NEIC 08 16:29:59.5, 39.59N-21.76E, h12km, MD2.9(ATH), After ATH

Table with columns: Code, Station Name, SNR, Az, Op, Phase ID, Time, Res, ISC. Includes stations like MEV, EVRYTANIA, etc.

Table with columns: JAN, Station Name, SNR, Az, Op, Phase ID, Time, Res, ISC. Includes stations like JANINA, AGIOS GEORGIOS, KOZANI, etc.

GUC 08 16:32:24.1±0.8, 35.57Sx72.21W, h43km±5km, MD3.5, ML2.9, 1D, Near coast of central Chile

Table with columns: Code, Station Name, SNR, Az, Op, Phase ID, Time, Res, ISC. Includes stations like TALC, CCHI, CICH, etc.

LEDBW 08 17:04:23.4±1.1, 47.27N-8.93E, h10km, ML1.8, Error ellipse: s-maj=20.0km s-min=16.0km az=119.0

ZUR 08 17:04:23.2, 47.27N-8.93E, h21km, ML1.3/10, ISC 08 17:04:23.6±0.6, 47.28N-0.02-8.93E, 0.04, h22km±8km, n16, r05/30/30, 6C-4D, Switzerland

Table with columns: Code, Station Name, SNR, Az, Op, Phase ID, Time, Res, ISC. Includes stations like WILA, WEIN, ZUR, PLONS, STEIN, etc.

WAR 08 17:07:58.7, 51.48N-16.11E, h1km, Location given by Rudna mine, origin time based upon KSP

PRU 08 17:07:59.8, 51.38N-16.09E, NEIC 08 17:08:00.5, 1.5, 51.33N-16.06E, h5km, ML2.2(BRG), Error ellipse: s-maj=18.9km s-min=9.2km az=191.0

ISC 08 17:07:56.6±1.0, 51.43N-0.05x16.09E-0.04, n13, r05/16/25, Poland

Table with columns: Code, Station Name, SNR, Az, Op, Phase ID, Time, Res, ISC. Includes stations like KSP, KURK, ZAL, etc.

IDC 08 17:28:52.2±15.0, 37.53N-73.00E, h72km±100km, mb3.3/1, mb1 3.6/4, mb1mx3.3/16, ML3.5/3, Error ellipse: s-maj=142.0km s-min=74.8km az=48.0

ISC 08 17:28:59.0±1.1, 38.02N-0.05x73.0E-0.2, h124km±15km, n14, r19/10/19, mb3.4/1, 2C, Tajikistan-Xinjiang border region

Table with columns: Code, Station Name, SNR, Az, Op, Phase ID, Time, Res, ISC. Includes stations like AML, UCH, KZH, etc.

Table with columns: ULHL, Station Name, SNR, Az, Op, Phase ID, Time, Res, ISC. Includes stations like ULHOL, KARATAY ARRAY, etc.

BYKL 08 17:57:26.6±0.6, 51.04N-118.94E, h12km±18km, East of Lake Baykal

Table with columns: Code, Station Name, SNR, Az, Op, Phase ID, Time, Res, ISC. Includes stations like TUP, CHITA, etc.

TNDR 08 17:59:38.0, 53.98N-102.51E, h10km, ML1.8, Error ellipse: s-maj=10.0km s-min=8.0km az=119.0

Table with columns: Code, Station Name, SNR, Az, Op, Phase ID, Time, Res, ISC. Includes stations like UKT, ZEA, NLYR, etc.

CRS 08 17:59:38.0, 53.98N-102.51E, h10km, ML1.8, Error ellipse: s-maj=10.0km s-min=8.0km az=119.0

Table with columns: Code, Station Name, SNR, Az, Op, Phase ID, Time, Res, ISC. Includes stations like KROS, SVKR, etc.

YLYR 08 18:00:00.0, 54.00N-103.00E, h10km, ML1.8, Error ellipse: s-maj=10.0km s-min=8.0km az=119.0

Table with columns: Code, Station Name, SNR, Az, Op, Phase ID, Time, Res, ISC. Includes stations like SYVR, NGRG, etc.

KMO 08 18:00:00.0, 54.00N-103.00E, h10km, ML1.8, Error ellipse: s-maj=10.0km s-min=8.0km az=119.0

Table with columns: Code, Station Name, SNR, Az, Op, Phase ID, Time, Res, ISC. Includes stations like TRTB, NIZ, etc.

OGRR 08 18:00:00.0, 54.00N-103.00E, h10km, ML1.8, Error ellipse: s-maj=10.0km s-min=8.0km az=119.0

Table with columns: Code, Station Name, SNR, Az, Op, Phase ID, Time, Res, ISC. Includes stations like HRMR, FFNB, etc.

TRG 08 18:00:00.0, 54.00N-103.00E, h10km, ML1.8, Error ellipse: s-maj=10.0km s-min=8.0km az=119.0

Table with columns: Code, Station Name, SNR, Az, Op, Phase ID, Time, Res, ISC. Includes stations like LSTR, ZAK, etc.

JMA 08 18:06:32.8, 23.98N-122.48E, h47km, ML2.5 TAP 08 18:06:32.8±0.2, 25.13N-122.71E

Table with columns: Code, Station Name, SNR, Az, Op, Phase ID, Time, Res, ISC. Includes stations like YOJ, IRIF, etc.

NEIC 08 18:16:31.9.0.5, 44.18N-105.34W, ML3.4, Error ellipse: s-maj=8.1km s-min=5.8km az=144.0, Suspected Mining explosion.

NEIC 20 km [10 miles] SE of Gillette. IDC 08 18:16:32.0.0.4, 44.30N-105.76W, mb3.9, mb1.4/0.8, mb1mx3.8/19, ML3.5/5, Error ellipse: s-maj=22.3km s-min=7.3km az=142.0

ISC 08 18:16:30.0-0.6, 44.20N-105.31W-0.07, n27, r120/33, mb3.9/3, Wyoming

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

SKHL 08 19:21.4.0.6, 52.30N-139.14E, h6km, mb3.7/4, 1D, Primorye

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

NEIC 08 18:36:57.6.33.15S-70.26W, h11km, ML2.6(GUC), After GUC. GUC 08 18:36:57.6.0.6, 33.15S-70.26W, h11km, ML3.6, ML2.6, 4C-1D, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists seismic stations in Chile-Argentina border region.

SFDO San Fernando 1.59 203 eP Nn 18 37 26.6 +0.6

NIED 08 18:50:00.41.40N, 142.40E, h38km, Mw3.6 Best double couple: Mo2.5x10^14 NP1.72, 882, -143. NP2.72, 853, -10.

JMA 08 18:50:38.0.0.1, 41.41N-142.44E, h36km, Mw3.6, mb1.3/6.7, mb1mx3.4/19, ML3.7/1, Error ellipse: s-maj=29.2km s-min=23.9km az=107.0

ISC 08 18:50:38.1.0.6, 41.39N-142.45E, 0.05, h41km, 7km, n23, c084/34, mb3.7/6, 6C-3D, Hokkaido region

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

IDC 08 18:52:31.5.1.7, 50.05N-87.68E, mb3.2/1, mb1.3/7.4, mb1mx3.5/17, ML3.5/3, Error ellipse: s-maj=20.9km s-min=10.1km az=106.0

NNC 08 18:52:35.7.3.9, 50.05N-87.23E, mv3.7, Error ellipse: s-maj=30.4km s-min=16.9km az=75.0

ISC 08 18:52:32.1.1.5, 50.09N-86.06E, 0.2, n6, r1504/12, mb3.4/1, 5C-2D, Southwestern Siberia

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

IDC 08 18:54:05.3.2.6, 49.80S-110.70E, mb4.4/2, mb1.4/7.2, mb1mx3.5/6, Error ellipse: s-maj=165.0km s-min=41.2km az=118.0

NEIC 08 18:54:07.5.1.1, 49.90S-111.20E, h10km, Error ellipse: s-maj=77.6km s-min=13.1km az=118.0

ISC 08 18:54:05.9.1.8, 49.90S-110.44E, h10km, n10, c06/63/6, mb4.3/3, 1C-1D, Southeast Indian Ridge

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists seismic stations in Southeast Indian Ridge.

BUI 08 18:59:16.7.4, 49.66S-110.76E, h4km, mb4.6, Ms2.4 IDC 08 18:59:17.2.1.3, 49.91S-110.80E, mb4.4/3, mb1.4/7.3, mb1mx4.4/7, Ms4.07, Ms1.4.1/7, ms1mx3.9/12, Error ellipse: s-maj=52.8km s-min=37.5km az=110.0

NEIC 08 19:59:18.2.0.5, 49.90S-110.84E, h10km, mb4.3/2, Ms4.3/1, Error ellipse: s-maj=34.2km s-min=11.5km az=118.0

ISC 08 18:59:16.5.0.9, 49.95S-2.2110.7E-0.4, h10km, n30, c077/13, mb4.3/5, Ms4.1/8, 2C-5D, Southeast Indian Ridge

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists seismic stations in Southeast Indian Ridge.

CTA Charters Tower 40.98 56 eP P 18 07 014 +0.3

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists seismic stations in Charters Tower area.

IDC 08 19:02:31.5.2.9, 21.38S-176.92E, mb4.0/5, mb1.4/4.5, mb1mx4.3/9, Error ellipse: s-maj=165.0km s-min=24.9km az=155.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists seismic stations in South of Fiji Islands.

NEIC 08 19:10:28.3, 39.60S-174.22E, h200km, After WEL. WEL 08 19:10:28.5.0.4, 39.62S-174.26E, h197km, Ms3.9/5, 1C-4D, Error ellipse: s-maj=2.9km s-min=1.8km az=90.0, North Island

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

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

8d 22ht

Table with columns: PUZ, LZT, MXZ, CRIZ, MQZ, WVZ, WYZ, RPZ, RPP, ODZ, ODZ, TUZ. Rows include station names like Lake Taylor, Matakaoa Point, Canterbury Las, etc.

IDC 08 19:26:36.9, 2.3, 0.32S, 132.98E, mb4.0/3, mb1 4.1/4, mb1mx3.9/12, ML3.8/1, MS3.6/2, Ms1 3.7/2, ms1mx3.2/11, Error ellipse: s-maj=130.0km s-min=22.5km az=75.0, Irian Jaya region

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

ISK 08 19:58:25.8, 38.04N, 28.90E, h2km, MD3.3, ML3.4, NEIC 08 19:58:31.9, 38.06N, 28.61E, h37km, MD3.6(ATH), After ATH.

ATH 08 19:58:31.9, 38.06N, 28.61E, h37km, MD3.6/5, ISC 08 19:58:26.9, 0.3, 38.06N, 0.02, 28.92E, 0.03, h2km, n38, o=95/47, 4C, Turkey

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include DENT Denizli, DNZL Cakiroglu, MANT Manisa, etc.

IDC 08 20:01:34.7, 2.3, 3.80N, 126.17E, mb3.3/3, mb1 3.5/3, mb1mx3.5/12, Error ellipse: s-maj=202.0km s-min=27.9km az=65.0, Talaud Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Arr, etc.

IDC 08 20:09:55.2, 2.3, 32.62S, 178.29W, mb4.2/2, mb1 4.4/3, mb1mx4.2/10, ML3.9/1, 2D, Error ellipse: s-maj=62.9km s-min=31.0km az=125.0, South of Kermadec Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include URZ Urewera, ASAR Alice Springs, WRA Warramunga Arr, etc.

CASC 08 20:22:10.5, 13.0, 13.29N, 89.50W, h33km, 31km, MD3.3, ML3.5, 7C-1D, El Salvador

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include BOQS Boqueron, LFBS El Faro, SBLS San Jose, etc.

2004 MAR

Table with columns: VSM, BLLM, IXG, IXG, IXG, CANHU, CNUH, CNUH. Rows include Bellamira, Ixpaco, Cacacuitulo, Conchagua.

IDC 08 20:32:05.7, 1.9, 32.73S, 178.19W, mb4.6/2, mb1 4.8/4, mb1mx4.5/11, ML4.3/2, MS3.6/2, Ms1 3.6/2, ms1mx3.3/10, Error ellipse: s-maj=56.3km s-min=27.4km az=124.0, NEIC 08 20:36:0.6, 0.2, 32.82S, 177.96W, h10km, mb4.7/4, 3C, Error ellipse: s-maj=23.6km s-min=12.7km az=119.0, South of Kermadec 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, etc.

MAN 08 20:32:51.5, 9.34N, 126.20E, h31km, mb4.4, ML3.3, MS3.0, 1D, Mindanao

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include BUTP Butuan, SCUP Surigao, BIFP Bislig, etc.

MAN 08 21:28:06.4, 13.53N, 120.59E, h8km, mb4.0, ML2.9, MS2.5, 1C-1D, Mindoro

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include PGP Puerto Galera, LUBP Lubang, TGYP Tagaytay City, etc.

IDC 08 21:49:05.0, 28.0, 45.33N, 148.69E, mb3.3/3, mb1 3.6/3, mb1mx3.4/17, Error ellipse: s-maj=794.0km s-min=35.0km az=167.0, Kuril Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include ILAR Eielson Array, MKAR Makanchi Arr, YKA Yellowknife Arr, etc.

MAN 08 22:02:29.6, 10.06N, 125.42E, h225km, mb5.1, ML4.0, MS4.2

BUI 08 22:02:29.7, 10.09N, 125.43E, h241km, mb4.8, mb4.9, MOS 08 22:02:30.3, 0.8, 9.94N, 125.18E, h250km, mb4.8/7, Error ellipse: s-maj=29.0km s-min=8.0km az=117.9, NEIC 08 22:31.9, 1.0, 10.04N, 125.33E, h245km, 10km, mb4.6/19, Error ellipse: s-maj=10.0km s-min=5.1km az=71.0

IDC 08 22:02:31.4, 1.3, 9.99N, 125.34E, h241km, 12km, mb4.2/17, mb1 4.3/18, mb1mx4.3/21, Error ellipse: s-maj=16.5km s-min=8.1km az=67.0, ISC 08 22:29.3, 0.2, 10.07N, 125.39E, 0.04, h233km, 2km, n139, o=99/159, mb4.5/48, 13C-7D, Leyte

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include SCPH Surigao, MSLP Maasin, BUTP Butuan, etc.

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Table with columns: DAV, RCP, CTBH, KCPB, KIDAPAWAN, ANP, PVCP, GTRP, OTRP, AUOP, CUYO, GOP, SJMP, BUSP, LQP, POLP, TGYP, TAGAYTAY CITY, ENPP, LUBP, PPR, BALP, PCPLP, PALANAN, CAUP, SCZP, BCPLP, CUYO, APYP, SGCP, ABRA, DOLores, KKM, EBP, FITZO, JOW, QIZ, CBJI, KGM, JNU, ENH, CM31, CMAR, FITZ, CD2, BJT, BJI, WRA, WRA, WB2, CN2, CN2.

ASAR Alice Springs, comp=2.1, 2.0m, 0.3s, mb4.9, baz=347, slow=7.4, SNR=148

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include ASAR Alice Springs, ASAR Alice Springs, MDJ Mudanjian, etc.

ASAR Alice Springs, comp=2.7, 1.1m, 1.0s, mb4.2, baz=347, slow=7.4, SNR=148

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include ASAR Alice Springs, ASAR Alice Springs, MDJ Mudanjian, etc.

ASAR Alice Springs, comp=2.5, 2.2m, 0.7s, baz=348, slow=11, SNR=3.2

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include ASAR Alice Springs, ASAR Alice Springs, MDJ Mudanjian, etc.

ASAR Alice Springs, comp=2.4, 2.4m, 0.8s, baz=352, slow=13, SNR=5.2

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include ASAR Alice Springs, ASAR Alice Springs, MDJ Mudanjian, etc.

ASAR Alice Springs, comp=2.4, 2.4m, 0.8s, baz=352, slow=13, SNR=5.2

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include ASAR Alice Springs, ASAR Alice Springs, MDJ Mudanjian, etc.



Table with columns for station name, frequency, power, and other technical details. Includes stations like COLA College, IMA Indian Mountain, MCMT McKenzie Canyon, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like ERZM Erzurum, KONO Kongsberg, ARSS Ar Rass, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like CLL Colim, CLM Long Mynd, SVTA Shivta, etc.



8d 23h

Table of 8d 23h results with columns for team name, score, and status. Includes teams like ECRI Cripan, EMOS Mosqueruela, SIUC Southern Illinois, etc.

2004 MAR

Table of 2004 MAR results with columns for team name, score, and status. Includes teams like LOMF Lomont, MCD Coleburn Disti, PCP Pican Castigno, etc.

174

Table of 174 results with columns for team name, score, and status. Includes teams like KHC KHC, KHC KHC, KHC KHC, etc.







Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ELJU, EGOG, ECOG, ESPR, ELUO, ELUO, ELUO, EQES, EQES, EADA, EADA, EMIN, EMIN, EGRO, EGRO, ESDC.

NEIC 09 00:33:21.8:0.5, 19.53Sx173.60W, mb4.9/5, Error ellipse: s-maj=19.6km s-min=9.7km az=135.0

09 00:33:21.4:0.9, 19.48Sx173.59W, h38km, 7km, mb3.9/9, mb1.4/3.0, mb1mx4.2/14, ML4.7/1, Error ellipse: s-maj=35.9km s-min=19.2km az=140.0

ISC 09 00:33:20.1:0.5, 19.65Sx173.6W, 0.1, h39km, h39km, 1.3km, pp-P, n21, c=0.68/20, mb4.5/13, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RAR, RAR, URZ, URZ, RPZ, RPZ, CTA, CTA, CTAO, CTAO, ASAR, ASAR, WB2, WB2, WRA, WRA, FITZ, FITZ, NVAR, NVAR, TXAR, TXAR, MAW, MAW, MCK, MCK, PDAR, PDAR, COLA, COLA, ILAR, ILAR, DAWY, DAWY, YKA, YKA, MALT, MALT, CLL, CLL.

WEL 09 00:47:05.9:0.3, 37.90Sx176.52E, h162km, 3km, ML3.8/2, 4C, Error ellipse: s-maj=2.9km s-min=2.7km az=0.0, North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like URZ, URZ, URZ, URZ, MWZ, MWZ, BKZ, BKZ, MGZ, MGZ, PUZ, PUZ, NOZ, NOZ, KNZ, KNZ, MXZ, MXZ, NGZ, NGZ, PWZ, PWZ, CAW, CAW, MRW, MRW, MRW, MRW, KHZ, KHZ, MQZ, MQZ.

ISC 09 00:50:32.1:2.1, 43.0N, 0.1x15.2E:0.2, h10km, n9, c=0.34/15, 2C, Adriatic Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NVLJ, NVLJ, NVLJ, NVLJ, STON, STON, STON, STON, VBY, VBY, CEY, CEY, VISS, VISS, GOLS, GOLS, OBKA, OBKA, MOA, MOA, MOA, MOA.

WEL 09 01:05:55.8:0.5, 37.19Sx179.55E, h5km, ML3.6/2, Error ellipse: s-maj=5.1km s-min=4.5km az=0.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MXZ, MXZ, PUZ, PUZ, NOZ, NOZ, MWZ, MWZ, URZ, URZ, KNZ, KNZ.

IDC 09 01:12:18.9:7.4, 29.01Sx64.35W, h24km, 4.3km, mb1.3/8/2, mb1mx3.4/14, ML3.6/2, Error ellipse: s-maj=44.2km s-min=36.4km az=4.0, Santiago del Estero Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CPUP, CPUP, CPUP, CPUP, LPAZ, LPAZ, WRA, WRA, ZAL, ZAL, MKAR, MKAR, MKAR, MKAR.

MAN 09 01:13:42.8, 13.12N, 120.34E, h1km, mb4.5, ML3.3, MS3.2, 1C-2D, Mindoro

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LUBP, LUBP, PGP, PGP, SJMP, SJMP, BUSP, BUSP, TG, TG, BOAC, BOAC, LQP, LQP, OTRP, OTRP, ENPP, ENPP, GOP, GOP, CUYO, CUYO, KALP, KALP, BESP, BESP.

IDC 09 01:26:29.6:10.0, 17.35Sx178.50W, h536km, 138km, mb2.8/4, mb1.3/2.4, mb1mx3.1/11, Error ellipse: s-maj=165.0km s-min=37.1km az=155.0, Fiji Islands region

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

NEIC 09 01:44:31.2, 44.41N, 6.75E, h4km, ML2.4(GEN), ML2.1(LDG), ML2.1(STR), After GEN

STR 09 01:44:31.9:0.4, 44.47N, 6.87E, h5km, 1km, ML2.1, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

LDG 09 01:44:31.4:0.1, 44.43N, 6.75E, h2km, MD2.3/2, ML2.2/8, Error ellipse: s-maj=1.3km s-min=0.8km az=76.0

ISC 09 01:44:30.3:0.3, 44.43N, 0.01x6.73E:0.02, h11km, 2km, n34, c=0.70/67, France

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SURF, SURF, PZZ, PZZ, MBDF, MBDF, DOI, DOI, STV, STV, STV2, STV2, RRL, RRL, ENR, ENR, TOUF, TOUF, BHB, BHB, MWIF, MWIF, CALN, CALN, AURF, AURF, SAOF, SAOF, SBF, SBF, ORIF, ORIF, ORIF, ORIF, MONE, MONE, RSP, RSP, REV, REV, ROB, ROB, ROF, ROF, RFR, RFR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MONE, MONE, RSP, RSP, REV, REV, ROB, ROB, ROF, ROF, RFR, RFR, NEGI, NEGI, SMRF, SMRF, IMI, IMI, RORO, RORO, LPL, LPL, LSD, LSD, FIN, FIN, LPL, LPL, LMR, LMR, PCP, PCP, VIV, VIV, LASF, LASF, LASF, LASF.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LSD, LSD, FIN, FIN, LPL, LPL, LMR, LMR, PCP, PCP, VIV, VIV, LASF, LASF, LASF, LASF.

PGF Pioggioia 2.50 138 ePn Pn 01 45 11.4 +0.3 PGF 1.6nm,0.3s eSn Sn 01 45 40.9 -1.5

IDC 09 01:48:58.5:4.5, 20.04Sx176.28W, h256km, 4.1km, mb3.0/3, mb1.3/4.4, mb1mx3.2/12, Error ellipse: s-maj=28.3km s-min=15.0km az=99.0

ISC 09 01:48:57.1:1.4, 19.8S, 0.1x176.4W:0.2, h256km, n6, c=1.64/5, mb3.1/3, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like URZ, URZ, WARR, WARR, ASAR, ASAR, WRA, WRA, TXAR, TXAR, MKAR, MKAR, GERES, GERES.

IDC 09 01:52:07.3:3.1, 14.80Sx174.83W, mb4.0/4, mb1.4/4.0, mb1mx4.0/10, Error ellipse: s-maj=160.0km s-min=27.2km az=145.0, Samoa Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA, WRA, ASAR, ASAR, ILAR, ILAR, PDAR, PDAR.

DJA 09 02:05:48.4:0.9, 9.91Sx114.17E, h33km, MD5.0/4, ML4.5/4, 2C-4D, Error ellipse: s-maj=19.2km s-min=15.2km az=14.0, South of Bali

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

MEX 09 02:27:12.4:0.7, 16.19N, 96.07W, h45km, MD3.9, NEIC 09 02:27:13.4, 16.27N, 96.04W, h45km, MD3.9(MEX), After MEX

ISC 09 02:27:11.1:2.0, 16.32N, 0.1x96.04W:0.05, h20km, 13km, n8, c=0.84/15, Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VHO, VHO, OXO, OXO, CMIG, CMIG, CMIG, CMIG, PNIG, PNIG, PNIG, PNIG, POHV, POHV, PPM, PPM.

NEIC 09 02:27:16.0, 39.51N, 12.82W, MG4.1(MDD), After MDD, MDD 09 02:27:16.0:2.7, 39.51N, 12.82W, mb4.1/4, Error ellipse: s-maj=27.0km s-min=12.6km az=78.0, PRXIMO

INMG 09 02:27:18.7:1.3, 39.43N, 13.18W, h10km, ML2.5, Error ellipse: s-maj=9.1km s-min=4.7km az=89.0

ISC 09 02:27:17.6:1.0, 39.47N, 0.04x12.47W:0.07, h10km, n26, c=0.19/46, North Atlantic Ocean

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PLOU, PLOU, PTOM, PTOM, PCOI, PCOI, PTEO, PTEO, PTEO, PTEO, PVIS, PVIS, PCBR, PCBR, PBEJ, PBEJ, MTE, MTE, PVRL, PVRL, ELOB, ELOB, EGRO, EGRO, EGRO, EGRO, EMAZ, EMAZ, PALC, PALC, EMIN, EMIN, EMIN, EMIN, PBRG, PBRG, ERUA, ERUA, ERUA, ERUA, ECAL, ECAL, ECAL, ECAL, EINC, EINC, EINC, EINC, EPON, EPON, EPON, EPON, LASF, LASF, LASF, LASF.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like EHORN, ELIJA, EADAM, etc.

CASC 09 02:49:43.9.1.5.13.20N.89.58W, h52km, 16km, MD3.6, ML4.0, 2C-15D, El Salvador

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SNET, BOOS, PICS, etc.

NNC 09 02:52:11.2.2.3.37.62N.71.79E, h123km, 24km, mpv4.0, Error ellipse: s-maj=32.9km s-min=15.4km az=35.0

NEIC 09 02:52:15.4.5.4.37.67N.72.56E, h93km, 42km, Error ellipse: s-maj=50.0km s-min=20.0km az=215.0

ISC 09 02:52:07.7.1.9.37.54N.07.72.2E.0.1, h38km, n18, c1512/1, mb3.5, 3C-3D, Tajikistan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KK31, SDNR, SDNR, etc.

BUI 09 03:11:55.2.5.69S.145.71E, h112km, mb5.1, mb4.9, Error ellipse: s-maj=27.0km s-min=8.8km az=99.0

ISC 09 03:11:55.6.1.5.64S.0.07.145.32E.0.07, h95km, 16km, n109, c0994/58, mb5.0, 3C2, 9C-5D, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like WAU, PFG, CTA, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JUNU, RPZ, ENH, ASAJ, etc.

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











Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, JOW Kumigami, MKAR Makranchi Array, KMBO Kilima Mbogo.

NEIC 09 10:36:11.7, 1.4, 17.82S:168.86E, h238km, 13km, mb4.5/7, Error ellipse: s-maj=15.0km s-min=10.7km az=177.0

IDC 09 10:36:12.5, 3.4, 17.79S:168.80E, h248km, 33km, mb3.9/9, mb1.4/1.9, mb1mx4.0/1.4, Error ellipse: s-maj=21.2km

s-min=13.1km az=163.0

ISC 09 10:36:10.9, 0.7, 17.77S:168.85E, 0.09, h242km, 5km, n21, c0.96/23, mb4.3/1.4, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like BKM Butte a Klehm, DZM Mont Dzumak, NOUC Port Laguerre, CTAA Charters Tower, RPZ Rata Peaks, STKA Stephen Creek, RAR Rarotonga, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, FITZ Fitzroy Crossi, YSS Yuzh-Sakhalins, QSPA South Pole Qui, YBH Yreka Blue Hor, NVAR Mina Array Bea, ILAR Eielson Array, YKA Yellowknife Arr, YKA Yellowknife Arr, ARCS ARCES Array B.

MDD 09 10:39:03.0, 5.0, 36.82N:1.24E, mb4.1/1.4, Error ellipse: s-maj=7.1km s-min=4.5km az=70.0, PRXIMO

NEIC 09 10:39:05.3, 36.92N:1.17E, After MDD. ISC 09 10:39:01.6, 0.6, 36.92N:0.03:1.10E:0.04, n31, c1.59/48, Northern Algeria

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like ECHF Ech Chief, ENAN Ain N'Souh, ETRT Tiarret, EMHD Djebel Mahoud, EBEN Beniarda, EBEN Beniarda, EMUR La Murta, EMUR La Murta, EIBI Ibiz, EIBI Ibiz, ETOB Tobarra, ETOB Tobarra, EHUE Huescar, EHUE Huescar, ETOS Tost, ETOS Tost, EBER Berja, EBER Berja, EVIA Vianos, EVIA Vianos, EQES Quesada, EQES Quesada, EMOS Mosqueruela, EMOS Mosqueruela, ECOG Cogollos-Vega, ECOG Cogollos-Vega, EBR Ebro, EBR Ebro, ERTA Horta de San J, ERTA Horta de San J, ERTA Horta de San J, EBAN Banos Encina, ELUQ Luque, ELUQ Luque, EPOB Poblet, EPOB Poblet, ETOR Torete, ETOR Torete, ESDC Sonseca Array, ESDC Sonseca Array, ESAC San Caprasio, ESAC San Caprasio, EMIR Mirace, EMIR Mirace, EMIN Mina Concepcio, EMIN Mina Concepcio, ECRI Cripan, ECRI Cripan, ELIZ Elizondo, ELIZ Elizondo, EGRO El Granado, EGRO El Granado.

Table with columns: EINC, Incio, Time, Res, ISC. Includes station 2.1nm, 0.2s, SNR=4.0, 8.66 314 P, P, 10 41 12.4 +1.2

IDC 09 10:45:19.5, 5.0, 29.90S:177.98W, mb3.3/2, mb1 3.6/2, mb1mx3.5/1.0, MS3.4/1, Ms1 3.4/1, ms1mx2.9/5, Error ellipse: s-maj=302.0km s-min=71.1km az=167.0, Kermadec Islands

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

IDC 09 10:59:07.2, 1.5, 4.81N:77.89W, mb3.5/6, mb1 3.8/7, mb1mx3.7/16, ML2.8/1, Error ellipse: s-maj=41.0km s-min=32.4km az=31.0

NEIC 09 10:59:14.6, 1.7, 4.89N:77.74W, h57km, 20km, Error ellipse: s-maj=22.3km s-min=14.1km az=101.0

ISC 09 10:59:13.4, 0.7, 4.96N:0.09:77.8W, 0.1, h57km, n13, c1919/12, mb3.5/6, Near west coast of Colombia

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like ROSC El Rosal, ROSC El Rosal, OTAV Otavalo, LPAZ La Paz, HBF Harte Bluff, PDBA Pinedale Array, ULM Lac du Bonnet, NVAR Mina Array Bea, NVAR Mina Array Bea, SCHG Schafferville, YKA Yellowknife Arr, ILAR Eielson Array, ASAR Alice Springs, WRA Warramunga Arr.

NEIC 09 11:12:22.0, 35.14N:3.99W, MG3.9(MDD), After MDD. MDD 09 11:12:22.1, 1.0, 35.14N:4.00W, mb3.9/24, Error ellipse: s-maj=10.0km s-min=4.1km az=13.0, PRXIMO

Aftershock/PLCA INMG 09 11:12:23.7, 1.0, 35.03N:3.97W, h30km, 10km, ML2.8, Error ellipse: s-maj=6.1km s-min=3.6km az=1.0

ISC 09 11:12:22.0, 0.7, 35.11N:0.05:4.01W:0.03, h30km, n40, c1917/21, Strait of Gibraltar

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like EMEL Mellilla, MELI Mellilla, MELI Mellilla, EALB Alboran, REAL Real, REAL Reales, REJAL Jimena Fronter, EJIJ Sierra de Gata, MOMI Momias, MOMI Agnon, ERON Eron, EBER Berja, EBER Berja, EBER Berja, ELOJ Sierra Loja, ELOJ Sierra Loja, ELUJ Sierra de Lija, ELUJ Sierra de Lija, LJA Lija, LJA Lija, ECOG Cogollos-Vega, ECOG Cogollos-Vega, ESPR Esperanza, ESPR Esperanza, EQES Quesada, EQES Quesada, EHOR Hornachuelos, EHOR Hornachuelos, EHUE Huescar, EHUE Huescar, EBAN Banos Encina, EBAN Banos Encina, EADA Adamuz, EADA Adamuz, EMIN Mina Concepcio, EMIN Mina Concepcio, EMUR La Murta, EMUR La Murta, PALC Alcoutim, PALC Alcoutim, EGRO El Granado, EGRO El Granado, ETOB Tobarra, ETOB Tobarra, PBEJ Beja, PBEJ Beja, PTEO Sao Teotonio, PTEO Sao Teotonio, ESDC Sonseca Array, ESDC Sonseca Array, MOE Monteiro, MOE Monteiro, PCBR Castelo Branco, PCBR Castelo Branco, PTOM Tomar, PTOM Tomar, EIBI Ibiz, EIBI Ibiz.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like EIBI Ibiz, ETOR Torete, ETOR Torete, MTE Manteigas, MTE Manteigas, PVRL Vila Real, PVRL Vila Real, PBRG Braganca, PBRG Braganca, ECAL Calabor, ECAL Calabor, ECAL Calabor, ELOB Lobos, ELOB Lobos, EINC Incio, EINC Incio, EARI Arriondas, EARI Arriondas, EALK Alkurratz, EALK Alkurratz.

BER 09 11:13:14.8, 1.8, 59.25N:27.20E, ML2.3(NAO), Suspected explosion NAO 09 11:13:14.6, 5.0, 59.24N:26.93E, ML2.3 HEL 09 11:13:16.4, 0.2, 59.35N:27.15E, ML1.7, ML2.3(NAO), Explosion

ISC 09 11:13:14.9, 2.8, 59.3N:0.1:26.5E:0.2, n9, c0.99/13, Baltic States - Belarus - Northwestern Russia

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like PVF Pernaja, PVF Pernaja, MEF Metsahovi, MEF Metsahovi, FIAO FINESS Array S, FIAO FINESS Array S, FIAO FINESS Array S, FIAO FINESS Array S, KAF Kangasniemi, KAF Kangasniemi, HFS Hagfors, HFS Hagfors, HFS Hagfors, ARAO ARCES Array S, ARAO ARCES Array S, ARAO ARCES Array S.

THE 09 11:21:18.3, 38.48N:22.09E, h4km, ML3.3

NEIC 09 11:21:19.2, 38.54N:22.06E, h4km, ML3.3(ATH), After ATH. ATH 09 11:21:19.2, 38.54N:22.06E, h4km, MD3.3/10, ML3.3

ISC 09 11:21:18.5, 0.7, 38.55N:0.03:22.08E:0.03, h3km, 5km, n33, c1911/47, ID, Greece

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like EVR Erytria, EVR Erytria, AGG Agios Georgios, AGG Agios Georgios, LKD Levkas, LKD Levkas, LKD Levkas, LKD Levkas, NEO Neokhori, NEO Neokhori, XOR Xorichti, XOR Xorichti, VLS Valsamata, VLS Valsamata, ITH Ithomi, ITH Ithomi, MEV Metsovno, MEV Metsovno, ATH Athens Observa, ATH Athens Observa, JAN Janina, JAN Janina, PTL Penteli, PTL Penteli, AOS Alonnisos, AOS Alonnisos, AOS Alonnisos, LIT Alonnisos, LIT Alonnisos, LIT Litokhoron, LIT Litokhoron, IGT Igoumenitsa, IGT Igoumenitsa, KZN Kozani, KZN Kozani, PAIG Paliouri, PAIG Paliouri, VLI Velia, VLI Velia, FNA Ferakira, FNA Ferakira, FNA Ferakira, FNA Florida, FNA Florida, OUR Ouranopolis, OUR Ouranopolis, OUR Ouranopolis, GRG Griva, GRG Griva, GRG Griva, SOH Sokhos, SOH Sokhos, SOH Sokhos, SOH Sokhos, KNT Kendrickon, KNT Kendrickon, KNT Kendrickon, SRS Serrai, SRS Serrai.

IGQ 09 11:47:03.6, 0.17N:79.78W, h19km, 2km, mb4.0, 4C-1D, Error ellipse: s-maj=5.5km s-min=2.9km az=49.4, Near coast of Ecuador

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like MAGD Magdalena, MAGD Magdalena, PINO Pino, PINO Pino, CGGP Crater GGP, CGGP Crater GGP, GGP Refugio Guagua, GGP Refugio Guagua, YANA Yana, YANA Yana, QIL1 Quiতোা, QIL1 Quiতোা, COTA Cotacachi, COTA Cotacachi, MARY Rancho Maria, MARY Rancho Maria, MARY Rancho Maria, VC1 Cotopaxi I, VC1 Cotopaxi I, TAMB Tampo, TAMB Tampo, ANTI Antisana, ANTI Antisana, CAYR Refugio Cayamb, CAYR Refugio Cayamb, CAYA Cayambe, CAYA Cayambe, PISA Pisayambo, PISA Pisayambo, IGUA Iguata, IGUA Iguata, ULBA Ulba, ULBA Ulba, ARRY Arrayan, ARRY Arrayan.

IDC 09 11:47:22.1, 2.6, 8.22S:119.20E, mb3.8/2, mb1 4.1/3, mb1mx4.0/9, ML4.0/1, Error ellipse: s-maj=251.0km s-min=25.5km az=52.0

ISC 09 11:47:32.4, 1.5, 7.65S:0.4:120.3E:0.6, h100km, n5, c0.72/6, mb4.0/2, Flores Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes station EIBI Ibiz.



Table with columns for station name, frequency, power, and other technical details. Includes stations like MIAR Mount Ida, ISCO Idaho Springs, HLID Hailey, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like GNI comp=Z,81nm,1.4s, GNI comp=Z,2jm,20.0s, GNI comp=Z,2jm,22.0s, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like CLM Colim, DAG Danmarks Havn, VWA Vanda, etc.





Table with columns for station code, name, frequency, and signal strength. Includes stations like ARU, TXAR, SCHQ, MOI Rana, JOENSUU, etc.

Table with columns for station code, name, frequency, and signal strength. Includes stations like CLZ, WTSB, WTSB, CLL, COLIM, etc.

Table with columns for station code, name, frequency, and signal strength. Includes stations like WTTA, SQTA, ERZM, DAMUELS, etc.



Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like RSSD, FINES, NRS, and many others.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like JCT, BRG, MORC, PVCC, and many others.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like MMB, SSF, OG01, and many others.

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like URZ, CTA, and ASAR.





Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SOCHI, LUSAKA, KILIMA MBOGO, etc.

ICD 09 20:34:50.3; 1.9, 3.97S; 151.65E; mb3.8/5, mb1 4.0/5, mb1 mx3.9/11, Error ellipse: s-maj=61.3km s-min=27.4km

ICD 09 20:34:53.8; 1.9, 4.0S; 0.2, 151.6E; 0.4, h33km, n5, 0.05/53/5, mb3.6/5, New Ireland region

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

ICD 09 20:45:37.3; 1.5, 3.88S; 151.65E; mb3.8/7, mb1 4.1/7, mb1 mx4.1/11, MS3.8/7, Ms7 3.9/7, ms1 mx3.8/14, Error ellipse: s-maj=52.8km s-min=23.6km az=120.0

NEIC 09 20:45:38.3; 4.8, 3.89S; 151.62E; h5km, 34km, Error ellipse: s-maj=39.1km s-min=15.3km az=132.0

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

ICD 09 21:06:13.9; 1.2, 11.11S; 28.64E; mb4.2/10, mb1 4.3/11, mb1 mx4.3/14, ML4.2/11, MS3.3/2, Mb1 3.3/2, ms1 mx3.1/17

Error ellipse: s-maj=37.8km s-min=31.9km az=4.0 NEIC 09 21:06:15.6; 0.5, 11.02S; 28.62E; h10km, mb4.2/2, Error ellipse: s-maj=19.9km s-min=10.4km az=114.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LUSAKA, KILIMA MBOGO, TUC, etc.

ICD 09 21:42:33.7; 2.1, 21.53S; 66.74W, h222km, 13km, mb4.0/1, Error ellipse: s-maj=51.7km s-min=19.7km az=104.0

ICD 09 21:42:37.7; 6.2, 2.3; 61.21E; h246km, 47km, mb3.3/3, mb1 3.6/4, mb1 mx3.4/12, Error ellipse: s-maj=213.0km s-min=85.2km az=56.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LIMON VERDE, LA PAZ, TUC, etc.

ICD 09 21:44:22.0; 0.7, 27.46N; 140.18E, h486km, 9km, mb2.9/4, mb1 3.1/6, mb1 mx2.9/19, Error ellipse: s-maj=26.6km s-min=16.5km az=87.0

JMA 09 21:44:29.6; 0.1, 27.75N; 140.89E, h511km, M3.7, ICD 09 21:44:28.0; 0.5, 27.49N; 0.07; 140.1E, 0.2, h497km, 8km, n15, 0.05/62/2, mb3.2/4, Bonin Islands region

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

MAN 09 21:47:23.8, 10.52N; 122.35E, h12km, mb4.6, ML3.5, MS3.4

ICD 09 21:47:23.8; 0.7, 10.56N; 0.05; 122.33E; 0.05, h25km, 7km, n13, 0.07/17, 2C-2D, Panay

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

BUJ 09 22:07:11.3; 32.14S; 177.50W, h15km, MB5.6, mb5.5, Ms5.7, Ms25.5

MOS 09 22:07:12.4; 1.5; 32.31S; 177.99W, h10km, mb5.4/15, MS5.7/18, Error ellipse: s-maj=17.6km s-min=15.5km az=53.1

SYO 09 22:07:13.2; 32.56S; 177.97W, h10km, MB5.3, MS5.8, HRV0 09 22:07:13.2; 0.1, 32.20S; 177.62W, h15km, MW5.8/75, Centroid moment Tensor Solution. LP body waves:

s71,c151; Mantle waves: s75,c160. Half duration: 188 Moment tensor: Scale 10^17Nm; Mn:3.57e-06; Mw:0.12e-06; Mw-3.62e-05; Ms:0.65e-18; Mw-1.24e-05; Ms:5.07e-17; Best double couple: M6:37, N1:1017, NP1:207, 819, 1108; NP2:8, 872; N8, 848; Principal axes: T: 6.18, Plg63; Azm268; N: 1.99, Plg67; Azm10; P: 6.57, Plg27; Azm103; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ICD 09 22:07:13.4; 0.6; 31.73S; 178.35W, mb5.0/10, mb1 5.0/13, mb1 mx5.0/15, ML4.8/3, MS5.5/7, Ms1 5.5/7, ms1 mx5.3/18 Error ellipse: s-maj=30.9km s-min=13.9km az=168.0

NEIC 09 22:07:13.2; 0.2; 32.56S; 177.97W, h10km, mb5.3/25, MS5.8/39, MW5.7, Error ellipse: s-maj=9.1km s-min=5.4km az=137.0, Moment Tensor Solution. s5 Moment tensor:

Scale 10^17Nm; M2:74; Mw:0.51; Mw-2.3; Mw:7.3; Mw:1.53; M2:20; Best double couple: M4:6, 1017, NP1:193, 823; N8, 848; NP2:8, 872; N1, 1022; Principal axes: T: 4.52, Plg62; Azm335; N: 1.12, Plg12; Azm222; P: -4.64, Plg25; Azm127;

ICD 09 22:07:15.1; 1.1, 32.79S; 0.05; 178.01W; 0.05, h41km, 10km, n341, 0.12/22/126, mb5.2/43, MS5.7/59, 26C-13D, South of Kermadec Islands

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

NEIC 09 21:42:33.7; 2.1, 21.53S; 66.74W, h222km, 13km, mb4.0/1, Error ellipse: s-maj=51.7km s-min=19.7km az=104.0

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like MSVF Nonsava, DZM Mont Dzumag, NOUNC Port Laguerre, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like INCN Inchon, YSS Yuzh-Sakhalins, SAO San Andreas Ge, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like ANMO comp=Z,2.0nm,0.7s, SPUT South Promont, ANMO Albuquerque, etc.

Table of station data for 9d 22h, including columns for station name, coordinates, and various status indicators.

Table of station data for 2002 MAR, including columns for station name, coordinates, and various status indicators.

Table of station data for various regions, including columns for station name, coordinates, and various status indicators.



Table with columns for station call letters, frequency, power, and other technical details. Includes stations like INCN, UNV, SAO, LKC, PET, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BMN, SSOR, ENH, NANT, KLR, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like INK, YKA, ZAK, KGD, etc.



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists various stations like KNC, KHC, GERES, WEF, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists various stations like BHB, GRG, MBDF, ORIF, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists various stations like JMA, JHJ, BSO, etc.







Table with columns: EPOCH, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like EPOB, Poble, La Frestrate, etc.

10C 10:02:04:17.8,1.3,32.375x178.11W,mb4.4/4,mb1 4.7/6, mb1mx4.5/13,ML4.2/2,MS4.4/8,Ms1 4.5/8,ms1mx4.3/17, Error ellipse: s-maj=47.8km s-min=24.1km az=135.0, NEIC 10:02:04:19.6,0.6,32.385x178.13W,h10km,mb4.9/7, MS4.6/1, Error ellipse: s-maj=17.9km s-min=11.3km az=114.0

HRVD 10:02:04:19.6,0.7,32.475x177.89W,h36km,2km,MW5.0/35, Centroid moment Tensor Solution, LP body waves, s12.015; Mantle waves: s35.c45; Half duration: 0. Moment tensor: Scale 10^19Nm; Mr2.73; 53; Mw1.62; 37; Mw0-4.36; 35; Mw0.65; 30; Mw0.10; 30; Mr1.61; 26; Best double couple: Ma4.05x10^16 NP1.0; 172; 835; 164; NP2.0; 22; 859; 107; Principal axes: T.32, Plq71, Azm330; N.1.69, Plg14; Azm193; P.-4.9, Plg13; Azm100; n1 surface to body waves, cutoff=40s. n2a2 refers to nsta waves, cutoff=50s.

ISC 10:02:04:23.9,3.4,32.525x178.9W,0.2,h24km,24km, h28km,3km;pp-P,n71,-1523/43,mb4.7/10,MS4.5/9,2C-2D, South of Kermadec Islands

Main table for station 201, listing station names, coordinates, and various parameters. Includes stations like PUKETTI, UREWERA, WARRAMUNGA ARR, etc.

Table for station 2004 MAR, listing station names, coordinates, and various parameters. Includes stations like NOA, COBT, ELI, etc.

IDC 10:02:08:46.7,1.1,22.145x169.87E,mb4.3/6,mb1 4.6/7, mb1mx4.5/11,ML4.2/1, Error ellipse: s-maj=38.2km s-min=26.9km az=151.0, NEIC 10:02:08:43.1,0.10,22.075x169.90E,h14km,58km,mb4.4/3, Error ellipse: s-maj=28.6km s-min=19.3km az=64.0, ISC 10:02:08:50.4,1.9,22.35,0.1,169.8E,0.1,h43km,16km,n32, s116/20,mb4.3/9,6C, Southeast of Loyalty Islands

Main table for station 2004 MAR, listing station names, coordinates, and various parameters. Includes stations like DZM, NOUC, BKM, etc.

IDC 10:02:17:56.5,2.1,32.075x177.93W,mb3.9/2,mb1 4.1/3, mb1mx3.9/12,ML3.4/1, Error ellipse: s-maj=65.1km s-min=36.9km az=139.0, South of Kermadec Islands

Table for station 2004 MAR, listing station names, coordinates, and various parameters. Includes stations like URZ, WRA, FINES, etc.

IDC 10:02:19:21.4,1.3,31.925x178.21W,mb4.0/2,mb1 4.3/3, mb1mx4.1/12,ML4.2/1, Error ellipse: s-maj=71.1km s-min=44.9km az=120.0, Kermadec Islands region

Table for station 2004 MAR, listing station names, coordinates, and various parameters. Includes stations like URZ, WRA, FINES, etc.

IDC 10:02:21:41.1,3.0,32.165x178.12W,mb3.9/2,mb1 4.2/3, s-min=45.2km az=121.0, South of Kermadec Islands

Table for station 2004 MAR, listing station names, coordinates, and various parameters. Includes stations like URZ, WRA, FINES, etc.

IDC 10:02:22:26.7,0.9,54.83N,162.11E,mb3.7/7,mb1 3.9/8, mb1mx3.7/19,ML4.1/1, Error ellipse: s-maj=28.9km s-min=15.5km az=22.0, MOS 10:02:22:30.7,1.8,54.79N,162.43E,h47km,mb4.0/3, Error ellipse: s-maj=19.1km s-min=11.0km az=79.0, KRSC 10:02:22:31.4,1.8,54.81N,162.27E,h24km,3km,ML4.4 NEIC 10:02:22:35.4,2.1,54.97N,161.83E,h59km,22km, Error ellipse: s-maj=21.4km s-min=18.1km az=165.0, ISC 10:02:22:31.5,0.4,54.78N,162.02E,162.41E,0.5,h46km,6km, n46,e104/80,mb3.5/7, Near east coast of Kamchatka

Main table for station 2004 MAR, listing station names, coordinates, and various parameters. Includes stations like KZG, TUMR, KBT, etc.

Table for station 10d 2h, listing station names, coordinates, and various parameters. Includes stations like Zelenaya, Kamenistaya, Loginova, etc.

130nm,1.5s SRDR Srediny 2.17 316 i S P 02 23 06.0 +0.1 SPN Mys Shipunskiy 2.20 221 e P 02 23 06.0 -0.4 ESO Esso 2.41 300 e P 02 23 08.0 -0.3

Main table for station 10d 2h, listing station names, coordinates, and various parameters. Includes stations like YKA, MKAR, WRA, etc.

MOS 10:02:36:35.4,1.1,36.77N,171.25E,h81km,mb4.0/6, Error ellipse: s-maj=24.9km s-min=11.4km az=87.3, NEIC 10:02:37:44.4,3.6,81.8N,171.42E,h84km,34km,mb4.2/2, Error ellipse: s-maj=33.7km s-min=13.4km az=213.0, BUJ 10:02:36:37.7,37.03N,171.27E,h88km,mb4.6, IDC 10:02:36:38.4,4.0,36.82N,171.53E,h92km,35km,mb5.6/8, mb1 3.8/11,mb1mx3.7/17, Error ellipse: s-maj=22.3km s-min=16.6km az=93.0, NNC 10:02:36:41.6,7.2,37.13N,170.99E,h127km,54km,mpv4.5, Error ellipse: s-maj=72.7km s-min=56.7km az=166.0, ISC 10:02:36:36.3,0.8,36.78N,170.03N,171.27E,0.10,h91km,8km, mb3,-18/20/85,mb3.9/3,5C-4D, Afghanistan-Tajikistan border region

Main table for station 10d 2h, listing station names, coordinates, and various parameters. Includes stations like AML, THN, DLH, etc.



Table with columns for station call letters, frequency, time, and signal strength. Includes stations like QZ, THZ, KHZ, LTZ, MOZ, RPZ, etc.

Table with columns for station call letters, frequency, time, and signal strength. Includes stations like YUK, ASAJ, UNV, INCN, YSS, etc.

Table with columns for station call letters, frequency, time, and signal strength. Includes stations like CN2, LVC, ENH, KLR, etc.

Table with columns for station name, coordinates, elevation, and various parameters. Includes stations like WCI, TIXI, BDFB, SSSA, SJG, MKAR, etc.

Table with columns for station name, coordinates, elevation, and various parameters. Includes stations like PUL, YNBS, FINES, BTMT, etc.

Table with columns for station name, coordinates, elevation, and various parameters. Includes stations like KWP, Kalwaria, OJC, etc.

ADC 10 03:48:45.8±2.7, 35.07N, 4.06W, mb3.5/2, mb1 3.8/4, mb1mx3.5/20, ML4, 1/2, Error ellipse: s-maj=56.8km s-min=45.5km az=49.0
NEIC 10 03:48:48.3±10N, 0.10W, MN2.8(MDD), After MDD.
MDD 10 03:48:48.6±1.0, 35.11N, 4.01W, mb4.3/29, Error ellipse: s-maj=10.8km s-min=4.3km az=16.0, PRXIMO
AftershockPLICA
LDG 10 03:48:49.5±1.0, 35.07N, 4.02W, h2km, Md3.9/1, Ml3.3/3, Error ellipse: s-maj=21.0km s-min=9.1km az=174.0
INMG 10 03:48:50.3±1.4, 35.12N, 4.04W, h22km, Ml5km, Ml3.0, Error ellipse: s-maj=11.7km s-min=3.9km az=170.0
CSEM 10 03:48:52.5±35.60N, 4.20W, h2km, mb5.2
ISC 10 03:48:48.0±0.6, 35.14N, 4.04W, 0.03, h22km, n67, s131/117, mb3.6/2, 3C, Strait of Gibraltar

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC, P, etc. Includes stations like EMEL, MELI, REAL, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MOMI Momias, EBER Berja, SIERRA LOJA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like EPON, EPF, EPFF, etc. and various NEIC and IDC entries.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like URZ, ASAR, WRA, etc. and various IDC and IGIL entries.

10d 4h

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

2004 MAR

Table with columns: CLL, Collm, CLL, Collm, BRG, Berggiesshubel, PVCC, Pansa Ves, URAC, Uprav, VRC, Vranov, DPC, Dobruska-Polom, MORA, Moravsky Berou, MLR, Muntele, HFS, Hagfors, PBEJ, Beja, ESCD, Sonseca Array, ESDC, 125m, 0.3s, baz=178, slow=28, SNR=6.7, ESDC, Sonseca Array, ESDC, 170m, 0.5s, baz=185, slow=22, SNR=15, PTEO, Sza Teonito, EVO, Evora, EVO, 90nm, 0.4s, EBEN, Beniarda, EBEN, 30nm, 0.3s, MOE, Montemor, MOE, Castelo Branco, LIS, Lisbon, LIS, LIS, LIS, PLOU, Loures, PLOU, PTOM, Tomar, PTOM, EIBI, Ibiz, EIBI, TOR, Toret, ETOR, MTE, Manteigas, EMOS, Mosqueiro, PCOI, Coimbra, PCOI, PVIS, Viseu, EBR, Ebro Roquetas, EBR, Ebro Roquetas, PVRL, Vila Real, ERTA, Horta de San J, ERTA, BRGG, Braganca, BRGG, ECAL, Calabor, ECAL, ECAL, San Caprasio, ECAL, ETOS, Mallorca, ETOS, ELOB, Lobios, ELOB, ELOB, EPOB, Poblet, EPOB, ECR1, Cripan, ECR1, ERUA, La Rua, ERUA, ERUA, Zamans, EZAM, EINC, Incio, EINC, EMIR, Miracle, EMIR, EAR1, Arriodans, EAR1, EAR1, Etsaut, ETSF, ETSF, EALK, Alkurruntz, EALK, STS, Santiago, STS, EPON, Pontenova, EPON, EPF, Esparras, EPF, EMAZ, Mazaricos, MTLF, Montolieu, LFF, La Frestale, LFF, LMR, La Moure, MFF, Saint Martin, TCF, Toulx Ste Croi, BQF, Bois d'Angland, RGF, Pioggiola, RGF, Quisistic, AVF, Avril sur Loir, SMF, Signal de Mont, HYF, Humbigny, SGMP, Saint Gilles, RGSF, Rostrenen, GSF, Saint Saule, RRR, Gorrion, LDF, La Druitiere, CABF, La Chapelle, FLN, La Foliniere, VAE, Valguarnera, DAVOX, Davos, GERES, GERES Array B, KHC, Kasperske Hory, MOX, Moxa, NKC, Novy Kostel, PRU, Pruhonice.

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Table with columns: SMF, AVF, BGF, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like SMF, AVF, BGF, RAC, Raciborz, OKC, Ostrava-Krasne, OJC, Ojcow, MORC, Moravsky Berou, LKKS, Lis, NIE, Niedzica, NIE, Nie, NIE, Nie, NIE, Dobruska-Polom, DPC, DPC, KSP, Ksiaz, KSP, Ksiaz, KSP, Ksiaz, VRAC, Vranov, VRAC, UPC, Upice, KOLL, Kolacno, KOLL, KOLL, SMOL, Smolenice, SMOL, SMOL, KECS, Kecov, CRVS, Cervenica-Dubn, CRVS, CRVS, PSZ, Piszkesteto, PSZ, PSZ, KWP, Kalwaria, KWP, Kalwaria, PRU, Pruhonice, BRG, Berggiesshubel, BRG, BRG, KHC, Kasperske Hory, GERES, GERES Array B, GERES, ARSA, Arzberg, ARSA, CLL, Collm, CLL, CLL, CLL, CLL, COLL, COLL, MOA, Molin, MOA, MOA, NKS, Novy Kostel, NKS, HFS, Hagfors, FINES, FINES Array B, ARCES, ARCES Array B, NIED, NIED 104:45:00, 35.70N; 140.70E, h32km, Mw4.1, Best double couple: M1.6x10^15 NPT1.321, delta89, 1.66. NP2.2x227, 624, 1.176. JMA 104:45:03.9:0.1, 35.75N; 140.61E, h49km; 1km, M3.3, NIED 104:45:06.2:1.4, 35.59N; 140.45E, h67km; 10km, mb4.3/2, Error ellipse: s-maj=14.7km s-min=11.3km az=83.0, IDC 104:45:06.7:2.8, 35.60N; 140.50E, h70km; 27km, mb3.5/10, mb1.3/7.12, mb1mx3.6/22, MS3.5/1, Mst 3.5/1, ms1mx3.1/22, Error ellipse: s-maj=26.4km s-min=17.6km az=76.0, ISC 104:45:03.3:0.5, 35.71N; 140.40E, h138km; 3km, n29, o84/37, mb3.9/11, 11C-2D, Near east coast of eastern Honshu, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like CHJO, Chosi, CHJO, CHJO, JCN, Nagara, JYT, Yasato, JYT, BSO4, Bosu, BSO4, BSO4, JHO, Hitachi, BSO3, Bosu, BSO3, JAG, Ashikaga, JOD2, Odawara 2, MAJO, Matsushiro, MAT, Matsushiro, MAT, Matsushiro, JAT, Matsushiro, JMH, Hachijo jima 2, JHJ, Hachijo jima 2, JHJ, JHJ, CBJI, Chichi jima, CBJI, CBJI, ENH, Enshi, ZAL, Zalesovo, MKAR, Makanchi Array, CHKZ, Chkolovo, ILAR, Eilsan Array, BVAR, Borovoye Array, ZRNK, ZRNK, WRA, Warramunga Arr, ASAR, Alice Springs.





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

NEIC 10 07:08:51.7, 16.77N; 100.10W, h2km, MD3.9(MEX), After WEX.

MEX 10 07:08:51.0, 16.77N; 100.11W, h2km, 4km, MD4.0

ISC 10 07:08:49.7, 1.0, 16.92N, 0.06; 100.14W, 0.04, h2km, n11, s=110/18, 1C, Near coast of Guerrero

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

CASC 10 07:16:04.0; 1, 13.26N, 89.47W, h60km, gkm, MD3.5, ML3.8, 8C-8D, El Salvador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SNET Serv Nac Est T, SNET SNET, etc.

ISC 10 07:33:46.0; 27.0, 18.75S; 176.98W, h448km, 259gkm, mb3.0/3, mb1 3.3/3, mb1mx3.1/1, Error ellipse: s-maj=295.0km s-min=72.1km az=135.0, 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, etc.

NEIC 10 07:52:12.8; 3.6, 17.66S; 178.02W, h515km, 41km, mb4.1/5, Error ellipse: s-maj=30.6km s-min=17.7km az=161.0

ISC 10 07:52:19.3; 2.6, 18.1S; 0.2; 178.1W; 0.1, h621km, 35km, n31, 08/20/21, mb4.0/16, 1D, Fiji Islands region

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

ISC 10 07:52:58.8; 5.8, 18.01S; 177.86W, h434km, 89km, mb3.2/5, mb1 3.5/5, mb1mx3.4/12, Error ellipse: s-maj=43.3km s-min=27.3km az=178.0

ISC 10 07:52:58.9; 1.1, 18.0S; 0.2; 178.0W; 0.2, h450km, n5, 05/57.5, mb3.5/4, Fiji Islands region

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

ISC 10 07:59:08.9; 2.8, 32.29S; 178.25W, mb4.1/2, mb1 4.3/3, mb1mx4.0/12, ML3.8/1, 2C, Error ellipse: s-maj=66.9km s-min=35.1km az=117.0, South of Kermadec Islands

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

ISC 10 08:19:18.1; 4.5, 47.73N; 152.35E, h152km, 57km, mb3.1/5, mb1 3.4/6, mb1mx3.2/19, MS3.3/1, MS1 3.3/1, ms1mx2.6/11, Error ellipse: s-maj=25.0km s-min=25.0km az=171.5

ISC 10 08:19:16.0; 4.5, 48.0N; 0.5; 152.3E; 0.3, h138km, 62km, n8, s=111/17, mb3.3/5, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ANU Asahikawa, ILAR Eielson Array, etc.

BUI 10 08:19:16.4, 32.66S; 177.62W, h10km, mb5.3, mb5.1, MS5.3, MSz5.1

ISC 10 08:19:16.7; 1.0, 32.74S; 177.85W, mb4.9/6, mb1 5.0/9, mb1mx4.9/14, ML4.2/3, MS5.1/10, Ms1 5.1/10, ms1mx4.9/18, Error ellipse: s-maj=40.6km s-min=18.7km

az=149.0, NEIC 10 08:19:18.4; 0.4, 32.82S; 177.79W, h10km, mb5.0/12, MS5.4/72, Error ellipse: s-maj=12.9km s-min=9.6km az=155.0

HRVD 10 08:19:18.4; 0.2, 32.54S; 177.50W, h12km, MW5.4/68, Centroid moment Tensor Solution. LP body waves: s61, c103; Mantle waves: s68, c134. Hall duration: 193

Moment tensor: Scale 10^17Nm; Mr=1.04e+02, Mth=0.03e+02, Msh=1.07e+02, Mso=1.4e+06, Msh=0.41e+02, Msh=1.9e+05; Best double couple: Mo=1.64x10^17 NP1=210.0, 823.7, 109.9; NP2=89.9, 869.7, 882.7; Principal axes: T=1.58, P166.5; Azm268.7; N=14, P167.7; Azm12.2; P=1.71, P162.5; Azm105.7; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

MOS 10 08:19:20.3; 1.4, 31.69S; 177.96W, h10km, mb5.2/6, MS5.3/9, Error ellipse: s-maj=25.4km s-min=19.4km az=174.7

ISC 10 08:19:23.5; 1.5, 32.99S; 0.05; 178.06W; 0.09, h62km, 13km, n198, 01914/76, mb4.9/19, 7C-6D, 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.

ASAR Alice Springs 42.98 270 P 08 27 18.6 +0.2

WRA Warramunga Arr 44.20 275 P 08 27 28.0 -0.3

WRB Tennant Creek 44.20 275 P 08 27 27.4 -0.9

WRA Warramunga Arr 44.21 275 P 08 27 28.2 -0.2

WRA Warramunga Arr 44.20 275 P 08 33 07.7

WRA Warramunga Arr 44.20 275 P 08 46 05.9

FORT Forrest 45.39 258 P 08 27 38.5 +0.8

SBA Scott Base 45.46 184 P 08 27 40.2 +2.5

SBA Scott Base 45.46 184 P 08 27 40.2 +2.5

KAKA Kakadu 49.42 282 P 08 28 08.2 -1.2

FITZ Fitzroy Crossi 52.35 272 P 08 28 31.8 +0.3

NWAO Narrogin (SRO) 53.48 251 PFAKE 08 28 50.0 +1.0

NWAO Narrogin (SRO) 53.48 251 PFAKE 08 28 50.0 +1.0

POHA Pohakuloa 56.70 26 PFAKE 08 29 10.0 +6.8

POHA Pohakuloa 56.70 26 PFAKE 08 29 10.0 +6.8

QSPA South Pole Qui 57.13 180 P 08 29 10.7 +5.2

QSPA South Pole Qui 57.13 180 P 08 29 10.7 +5.2

MAW Mawson 69.88 201 LR 08 59 57.4

PMSA Palmer Station 69.94 155 P 08 30 28.0 -1.6

SNAI Sanae 75.58 178 P 08 31 04.4 +1.8

SNAI Sanae 75.58 178 P 08 31 08.0 +5.4

UNA3 Neumayer Olymp 75.73 176 P 08 31 17.5 +1.5

UNA3 Neumayer Olymp 75.73 176 P 08 31 17.5 +1.5

UNA3 Neumayer Olymp 75.73 176 P 08 31 22.1 +1.9

UNA2 Neumayer-Watz 76.17 177 P 08 31 12.4 +6.5





Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like COLA College, ILAR Eielson Array, KIC Kosan Boka, etc.

NEIC 10 09:57:06.9, 0.6, 0.10s: 123.08E, h100km, mb4.8/8, Error ellipse: s-maj=33.7km s-min=10.4km az=77.0

ISC 10 09:57:13.4, 3.5, 0.05S: 10.0, 123.2E, 0.1, h176km, 37km, n20, +1901/19, mb4.0/1, 1D, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like KALP Kalibo, KAKA Kakadu, FITZ Fitzroy Crossi, etc.

ISC 10 10:01:51.2, 2.2, 8.30, 60S: 178.15W, mb3.8/2, mb1.3/9.3, mb1mx3.9/12, ML3.2/1, Error ellipse: s-maj=65.2km s-min=35.3km az=112.0

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

DHMR 10 10:17:44.8, 1.1, 14.39N: 41.93E, h29km, 6km, ML3.6, 2C-4D, Ethiopia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like UDYN Ai Udayan, UDYN At Turbah, UDYN LBSOS, etc.

IDC 10 10:28:01.5, 1.0, 6.10S: 152.33E, mb4.2/8, mb1.4/4.8, mb1mx4.4/10, MS3.0/1, Ms1.3/0.1, ms1mx2.8/14, Error ellipse: s-maj=42.8km s-min=22.1km az=128.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like RAB Rabaul, KAKA Kakadu, WB2 Warramunga Arr, etc.

ISC 10 10:28:06.2, 2.6, 6.15, 0.1, 152.1E, 0.2, h40km, 21km, n15, +084/15, mb4.2/11, MS2.8/1, New Britain region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like ASAR Alice Springs, FITZ Fitzroy Crossi, CMAR Chiang Mai Arr, etc.

IDC 10 10:34:11.7, 1.2, 32.17S: 178.06W, mb4.3/3, mb1.4/6.4, mb1mx4.3/12, ML3.9/1, MS3.6/2, Ms1.3/6/2, ms1mx3.3/12, Error ellipse: s-maj=49.7km s-min=25.6km az=140.0

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

ISC 10 10:41:13.0, 6.8, 32.19S: 0.08, 178.3W, 0.1, h10km, n25, mb2.5, mb4.6/8, MS3.9/1, 1C-2D, South of Kermadec Islands

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

ISC 10 10:42:20.8, 5.8, 19.02S: 69.03W, mb3.4/3, mb1.3/8.4, mb1mx3.7/13, ML3.5/1, Error ellipse: s-maj=158.0km s-min=40.3km az=125.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like LPAZ La Paz, LPAZ La Paz, TXAR Pinedale Array, etc.

SNSN 10 10:44:01.0, 14.89N: 41.49E, M13.5, IDC 10 10:44:01.5, 2.6, 14.75N: 41.65E, mb4.1/8, mb1.4/2.8, mb1mx4.1/14, MS3.3/1, Ms1.3/0.1, ms1mx2.8/21, Error ellipse: s-maj=59.6km s-min=30.4km az=19.0

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like GERES GRESS Array B, BVAR Borovoye Array, MKAR Makanchi Array, etc.

IGQ 10 10:51:39.4, 1.95S: 79.84W, h10km, 4km, mb4.0, 7C-6D, Error ellipse: s-maj=5.5km s-min=2.0km az=87.7, Ecuador

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

IDC 10 10:53:44.7, 3.1, 32.07S: 178.28W, mb3.6/2, mb1.3/9.3, mb1mx3.8/12, ML3.3/1, Error ellipse: s-maj=70.2km s-min=36.4km az=112.0, South of Kermadec Islands

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

ISC 10 11:01:00.2, 3.0, 32.38S: 178.49W, mb3.6/2, mb1.3/9.3, mb1mx3.8/12, ML3.0/1, Error ellipse: s-maj=69.0km s-min=36.5km az=115.0

ISC 10 11:01:00.7, 5.8, 32.65S: 0.2, 178.1W, 0.9, h33km, n4, +080/4, mb3.5/2, South of Kermadec Islands

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

NAO 10 11:09:16.9, 3.4, 56.22N: 11.15E, ML2.6, BER 10 11:09:18.1, 5.2, 56.01N: 11.29E, h15km, 30km, MD2.9, ML1.8, ML2.6(NAO)

NEIC 10 11:20:29.0, 9.9, 56.46N: 11.42E, h10km, MD2.8(BER), ML2.6(NAO), Error ellipse: s-maj=14.5km s-min=10.2km

ISC 10 11:29:20.1, 0.9, 56.58N: 0.05, 11.64E, 0.09, h10km, n9, +152/17, Denmark

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like MUD Monsted U'grnd, MUD Monsted U'grnd, BSD Bornholm Skovb, etc.

LDG 10 11:27:01.8, 0.4, 14.02S: 166.58E, h10km, Mb4.0/2, Error ellipse: s-maj=75.2km s-min=10.3km az=85.0

IDC 10 11:27:07.3, 4.9, 15.36S: 167.73E, h92km, 28km, mb4.1/5, mb1.4/3.5, mb1mx4.1/12, Error ellipse: s-maj=102.0km s-min=26.1km az=144.0

NEIC 10 11:27:14.4, 1.9, 14.93S: 167.31E, h131km, 16km, mb4.6/8, Error ellipse: s-maj=16.3km s-min=11.6km az=178.0

ISC 10 11:27:12.7, 2.0, 14.95S: 0.1, 167.2E, 0.1, h129km, 18km, n44, +089/24, mb4.3/11, 1C-1D, 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, BKM Butte a Klehm, DZM Mont Dzumac, etc.



Table with columns: SOC, comp, pmax, pmax, SOC, comp, MLR, MLR, SOC, comp, MLR, MLR, SOC, comp, MLR, MLR, CMAR, CHIANG MAI ARR, CMAR, comp. Includes station names like ASAR, WRA, SNA, VNA, FINESS.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes station names like ASAR, WRA, SNA, VNA, FINESS.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes station names like INGI, KELI, RATI.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes station names like VHO, OXX, CMIG, PPM.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes station names like KAKA, WRA, WB2, FITZ, ASAR, MKR.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes station names like PYN, CNCH, LEON, TEL3, MIRN, MIRN, BELLAMIRA, COPN, MGAN, SNVI, SNVI, TICN, TICN, WILN, LCBS, LCBS, LFRS, LFRS, SBL, SBL.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes station names like URZ, CTA, STKA, ASAR, ASAR, ASAR, FORT, CM31, CMAR, CMAR, CMAR, CTA, CTA, STKA, STKA, SHL, CD2, CD2, HYB, HYB, LSA, GUN, PKI, DMN, KKN, KKN, GKN, KOLN.

Table with columns: QSPA, South Pole Qui, VNA3, VNA2, ENH, CMAR, TXAR, MKAR, MKAR, MKAR, ARCES, ARCES. Includes station names like AML, UCH, KK31, EK2S, KZA, AAK, CHMS, USP, TKM2, MK31, AB31, AB31, KURK.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes station names like AML, UCH, KK31, EK2S, KZA, AAK, CHMS, USP, TKM2, MK31, AB31, AB31, KURK.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes station names like URZ, ASAR, WRA, FINESS.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes station names like INGI, KELI, RATI, KEDI, MBWA, MBWA, FITZ, FITZ, KAKA, KAKA, WRA, WRA, WRA, WB2, WB2, KLBRR, KLBRR, MUN, MUN, NWAO, NWAO, ASAR, ASAR, ASAR, ASAR, FORT, FORT, CM31, CM31, CMAR, CMAR, CMAR, CTA, CTA, STKA, STKA, STKA, SHL, SHL, CD2, CD2, HYB, HYB, LSA, LSA, GUN, GUN, PKI, PKI, DMN, DMN, KKN, KKN, KKN, GKN, GKN, KOLN, KOLN.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes station names like URZ, CTA, STKA, ASAR, ASAR, ASAR, FORT, CM31, CMAR, CMAR, CMAR, CTA, CTA, STKA, STKA, STKA, SHL, SHL, CD2, CD2, HYB, HYB, LSA, LSA, GUN, GUN, PKI, PKI, DMN, DMN, KKN, KKN, KKN, GKN, GKN, KOLN, KOLN.

Table with columns: ULN, Ulanbaatar, RPZ, Rata Peaks, RPZ, Urewera, MKAR, MKANACHI ARR, MKAR, MAW, MAWSON, ZAL, ZAL, VNA, VNA, BVAR, BOROVOYE ARR, CHKZ, CHKALOVO, ZRNK, ZRNK, MA2, MAGADAN, KMB, KLIMA MBOGO, GSPA, SOUTH POLE QUI, ASF, ASFA, FINESS, FINESS ARR, YKA, YKALOWKNIFE ARR, NVAR, MINA ARR, PDAR, POLARIS ARR, TXAR, LAJITAS ARR, MIAR, MIAR, WWT, WWT, OXF, OXF, BDFB, BRASILIA, LPAZ, LA PAZ.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes station names like ULN, RPZ, RPZ, MKAR, MAW, ZAL, VNA, BVAR, CHKZ, ZRNK, MA2, KMB, GSPA, ASF, FINESS, YKA, NVAR, PDAR, TXAR, MIAR, WWT, OXF, BDFB, LPAZ.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes station names like DZM, DZM, NOUC, NOUC, NOUC, NOUC, BKM, BUTTE A KLEHM, URZ, URZ, CTA, CTAR, RPZ, RATA PEAKS, STKA, STEPHENS CREEK, WRA, WARRAMUNGA ARR, WRA, ASAR, ALICE SPRINGS, ASAR, MBWA, MARBLE BAR, NWAO, NARROGIN (SRO), TG, GSPA, SOUTH POLE QUI, CMAR, CHIANG MAI ARR, SNA, SANAE, VNA3, NEUMAYER OLYMP, VNA2, NEUMAYER WATZ, ULN, ULANBAATAR, NVAR, MINA ARR, NVAR, ILAR, EILSON ARR, YKA, LAJITAS ARR, YKA, YKALOWKNIFE ARR, YKA, YKALOWKNIFE ARR, MKAR, MAKANCHI ARR, ARCES, ARCES ARR, FINESS, FINESS ARR, NB2, NORSAR ARR, NOA, NORSAR ARR, RZN, RZN, DPC, DUBROSKA-POLM, UPC, UPICE, MMB, MUSOMISTE, PVCO, PANSKA VES, BRG, BERGLIESHUBEL, GLL, GLL, PRU, PRUONICHE, NKC, NOVY KOSTEL, KHC, KASPERSKE HORY, GERES, GERES ARR, VOY, VOJSKO, GIVF, GIVET, CDF, CHAMP DU FEU, HAU, HAUDOMPRE, HAU, HAUDOMPRE, FLN, LA FOLINIERE, LDF, LA DRUITIERE, LOR, LORMES, GRR, GORRON, SFL, SAINT SAULGE, LPL, LA PLAIGNE, LPP, LA PLAIGNE, SCFM, SAINT SAULGE, ROSF, ROSTEREN, MBDF, MONTBARD, QUIF, QUISTINIC, ORIF, ORIS-EN-RATTIE, TCF, TOUR ST CROIX, SBF, SOSPEL, SMRF, SIMIANE LA ROT.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes station names like DZM, NOUC, BKM, URZ, CTA, RPZ, STKA, WRA, ASAR, MBWA, NWAO, TG, GSPA, CMAR, SNA, VNA3, VNA2, ULN, NVAR, NVAR, ILAR, YKA, YKA, MKAR, ARCES, FINESS, NB2, NOA, RZN, DPC, UPC, MMB, PVCO, BRG, GLL, PRU, NKC, KHC, GERES, VOY, GIVF, CDF, HAU, HAU, FLN, LDF, LOR, GRR, SFL, LPL, LPP, SCFM, ROSF, MBDF, QUIF, ORIF, TCF, SBF, SMRF.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for DJA 10 14:32:18.6, 0.9, 9.86S, 114.16E, h80km, MD5.7/2, M4.0/3, 2C-6D, Error ellipse: s-maj=20.5km, s-min=15.7km az=14.0, South of Bali.

NEIC 10 14:33:18.6, 0.8, 9.94S, 114.10E, h10km, mb4.3/1, Error ellipse: s-maj=15.5km s-min=11.1km az=51.0
IDC 10 14:33:23.3, 1.8, 9.96S, 113.98E, h45km, mb3.8/6, mb1 3.9/6, mb1mx3.9/10, Error ellipse: s-maj=106.0km s-min=11.0km az=42.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for DJA 10 14:33:23.9, 0.9, 9.95S, 114.23E, h31km, 5km, MD4.6/1, Error ellipse: s-maj=19.1km s-min=14.9km az=12.0.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for FITZ 17.7m, 0.3s, 13.76 127 eP, WRA 21.84 119 pP, WRA 4.7nm, 1.1s, baz=295, slow=12, SNR=6.1, ASAR 23.25 128 pP, ASAR 3.3nm, 0.7s, baz=304, slow=9.5, SNR=9.0, CMAR 31.97 332 pP, CMAR 2.6nm, 0.9s, mb4.0, baz=160, slow=8.0, SNR=15, LSA 45.23 313 pP, MKAR 62.24 336 pP, MKAR 0.9nm, 0.6s, mb4.1, baz=146, slow=7.6, SNR=15, MKAR 62.24 336 pP, MKAR 3.0nm, 0.8s, baz=146, slow=8.2, SNR=12, MKAR 62.24 336 pP, BVAR 72.96 334 pP, BVAR 0.4nm, 0.4s, mb3.7, baz=143, slow=7.2, SNR=4.9, CHKALOV 73.32 335 eP, ZRNK 75.31 335 eP, FINES 97.73 331 pP, FINES 0.9nm, 0.8s, mb4.4, slow=3.8, SNR=3.8, YKA 116.94 23 PKP, YKA 0.2nm, 0.3s, baz=304, slow=2.2, SNR=4.4, YKA 0.2nm, 0.6s, baz=316, slow=2.1, SNR=2.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for DJA 10 14:37:08.6, 0.9, 9.93S, 114.16E, h33km, MD4.6/2, M4.1/4, 6C-1D, Error ellipse: s-maj=18.7km, s-min=12.8km az=11.0, South of Bali.

IDC 10 14:45:31.5, 4.1, 9.98S, 113.60E, mb3.0/3, mb1 3.2/3, mb1mx3.2/10, Error ellipse: s-maj=241.0km s-min=25.6km az=46.0

DJA 10 14:45:34.0, 4.0, 10.08S, 114.13E, h2km, MD4.8/2, M4.4/9/2, Error ellipse: s-maj=19.0km s-min=16.3km az=6.0

NEIC 10 14:45:45.7, 1.5, 9.10S, 114.75E, h95km, 11km, Error ellipse: s-maj=35.1km s-min=14.5km az=221.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for IDC 10 14:45:37.2, 1.4, 9.84S, 114.1E, 0.1, h33km, n7, r1510/11, mb3.0/3, 2C-6D, South of Bali.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for DJA 10 14:47:38.9, 0.9, 10.10S, 114.10E, h33km, M4.5/3, 3C-5D, Error ellipse: s-maj=19.1km s-min=16.5km az=4.0, South of Bali.

IDC 10 14:49:31.9, 6.2, 4.82S, 134.20E, mb3.7/1, mb1 4.1/3, mb1mx3.9/9, ML3.9/2, Error ellipse: s-maj=341.0km s-min=31.5km az=78.0

IDC 10 14:49:36.0, 1.7, 5.09S, 133.7E, 0.3, h33km, n5, r1542/9, mb3.6/1, Aru Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for KAKA Kakadu 7.68 190 eP, WRA Warramunga Arr 14.78 178 Pn, FITZ Fitzroy Crossi 15.26 211 eP, FITZ Alice Springs 18.47 179 P, ASAR 0.6nm, 0.3s, baz=3.6, slow=10, SNR=27, ASAR 0.1nm, 0.3s, slow=29, SNR=4.8, MKAR Makanchi Arr 68.74 325 P

DJA 10 15:02:50.0, 0.9, 9.94S, 114.26E, h63km, 40km, MD4.5/1, M4.1/4, 1C-5D, Error ellipse: s-maj=38.5km s-min=15.4km az=17.0, South of Bali

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for INGI Ingas 1.42 381 eP, INGI Kelakatan 1.73 81 eP, KELI Kelakatan 286nm, 0.3s, RATA Rata 1.74 46 eP, RATI Kedomdong 2.33 52 eP, KEDI Kedomdong 25nm, 0.3s

GUC 10 15:08:58.5, 1.1, 29.70S, 68.47W, h1km, 17km, M4.5, NEIC 10 15:09:02.5, 0.7, 29.73S, 68.33W, h47km, 9km, Error ellipse: s-maj=9.3km s-min=8.4km az=114.0

IDC 10 15:09:07.0, 7.5, 30.40S, 67.61W, h81km, 60km, mb1 3.6/2, mb1mx3.4/13, ML3.8/2, Error ellipse: s-maj=73.3km s-min=59.8km az=67.0

IDC 10 15:08:57.4, 0.8, 29.70S, 0.05, 68.32W, 0.06, h1km, n30, r1512/33, 3C-2D, San Juan Province

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for TLL Tololo Astrono 2.21 257 iP, TLL Tololo Astrono 2.21 257 iP, VACH Vallenar 2.41 297 eP, VACH Vallenar 2.41 297 iP, VACH La Serena 2.56 265 pP, LSCH La Serena 2.56 265 iP, LSCH Ovalle 2.66 249 iP, LSCH Ovalle 2.66 249 eP, CMCH Combarbala 2.75 237 iP, CMCH Combarbala 2.75 237 iP, CMCH Illapel 3.13 231 iP, CMCH Illapel 3.13 231 iP, MDZ Mendoza 3.21 188 eP, JACH Jahuel 3.56 213 eP, PACH Papudo 3.90 223 eP, FCH Farellones 4.00 204 eP, PCH Pirque 4.34 205 iP, CHCH Chadas Angostu 4.67 205 eP, CHCH Chadas Angostu 4.67 205 iP, LVC Limon Verde 7.07 356 eP, TRQA Torquistei 9.86 149 eP, CPUP Villa Florida 10.27 74 pP, CPUP Villa Florida 10.27 74 pP, LPAZ La Paz 13.35 1 eP, LPAZ Alice Springs 122.01 204 PKP, WRA Warramunga Arr 126.04 207 PKP, ZAL Zalesovo 148.91 31 PKP, MKAR Makanchi Arr 151.52 45 PKP, MKAR Makanchi Arr 151.52 45 PKP

WEL 10 15:09:38.1, 0.3, 37.85S, 177.86E, h59km, 3km, M4.1/2, 2C-1D, Error ellipse: s-maj=1.9km s-min=1.6km az=90.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for PUZ Puketiti 0.39 126 iP, PUZ Puketiti 0.39 126 iP, MXZ Matakaoa Point 0.46 52 SN, MXZ Matawai 0.55 208 SN, WIZ White Island 0.62 301 PN, URZ Urewera 0.72 235 UN, URZ Urewera 0.72 235 UN, NOZ North Gisborne 0.78 170 iP, EDRZ Edgecumbe 0.92 253 PN, MARZ Manawhe 0.94 261 PN, TARZ Tarawera 1.13 250 PN, LIRZ Lichensteins R 1.18 262 PN, KNZ Kokohu 1.18 187 PN, TGRZ Tauranga 1.27 275 PN, UTU Utuhina 1.35 255 PN, PAUZ Paeroa 1.37 247 PN, BKZ Black Stump Fm 1.70 219 SN, KUZ Kuaotunu 2.03 302 PN, WTVZ West Tongariro 2.19 234 PN, NGZ Ngauruhoe 2.21 232 PN, TUWZ Tutuoko 2.24 230 PN, CNZ Chateau 2.26 233 PN, OIZ Oio 2.27 327 PN, PWZ Pawanui 2.31 199 PN, PWZ Pawanui 2.31 199 PN, WRZ Motutapu 2.58 293 PN, WRZ Vere Road 2.75 241 PN, WAZ Wanganui 2.94 229 PN, WCZ Waipua Caves 3.40 303 PN, MTW Mount Morrison 3.78 208 PN, OIZ Oahu 4.32 306 PN, UNZ Nelson 4.83 224 SN, NNZ Nelson 4.83 224 SN, THZ Topohouse 4.52 223 PN, LTZ Lake Taylor 6.52 219 PN

Table with columns: MQZ, McQueen's Vall, 7.06 212 PN, P, 15 11 13.7 -7.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for DJA 10 15:13:46.2, 0.9, 10.01S, 114.15E, h15km, MD4.6/2, M4.4/4, 3C-5D, Error ellipse: s-maj=19.0km, s-min=15.8km az=10.0, South of Bali.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for INGI Ingas 1.54 40 eP, INGI Kelakatan 368nm, 0.2s, KELI Kelakatan 515nm, 0.3s, RATA Rata 1.87 47 eP, RATI Kedomdong 193nm, 0.2s, KEDI Kedomdong 67nm, 0.2s

IDC 10 15:24:00.1, 8.7, 24.33S, 67.05W, h160km, 71km, mb1 3.6/2, mb1mx3.3/12, Error ellipse: s-maj=86.5km s-min=35.7km az=7.0

NEIC 10 15:24:02.2, 2.4, 19.56S, 67.01W, h178km, 21km, Error ellipse: s-maj=39.2km s-min=21.2km az=157.0, Chile-Argentina border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for LVC Limon Verde 2.35 312 eP, LPAZ La Paz 7.93 352 pP, LPAZ La Paz 7.93 352 pP, BDBF Brasilia 19.76 68 pP, ASAR Alice Springs 128.28 205 PKP, WRA Warramunga Arr 131.46 207 PKP, MKAR Makanchi Arr 146.68 40 PKP, ASAJ Asajikawa 148.71 317 PKP

IDC 10 15:44:53.6, 0.8, 37.57N, 137.70E, mb3.8/7, mb1 4.1/9, mb1mx3.9/21, ML3.7/2, MS2.6/1, MS1 2.6/1, ms1mx2.5/23, Error ellipse: s-maj=37.7km s-min=17.6km az=105.0

NEIC 10 15:44:55.1, 0.5, 37.48N, 137.79E, h10km, Error ellipse: s-maj=42.5km s-min=7.1km az=87.0

NEIC Recorded [1 JMA] in Ishigaya, Nagano and Niigata Prefectures.

JMA 10 15:44:57.3, 37.47N, 138.32E, h25km, 1km, M4.1, Broadband fault plane solution: P waves. NP1 phi=219, delta=1, 111.1, NP2 phi=10, delta=9, 170. Principal axes: T P1g75, Azm211; N P1g15, Azm23; P P1g2, Azm114; JMA Fault J1

NIED 10 15:45:00.37, 50N, 138.30E, h8km, Mw3.9 Best double couple: M7.91x1014 NP1 phi=358, delta=3, 173. NP2 phi=213, delta=1, 120.0

IDC 10 15:44:57.0, 0.4, 37.47N, 0.03, 138.31E, 0.04, h29km, 3km, n21, r0879/31, mb3.8/7, 4C-7D, Near west coast of Eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for JIZZ Izumozaki 0.32 79 iP, JJJN Nakama 0.39 198 iP, JJJN Sado 0.57 356 iP, JSD Hiroka 0.60 111 iP, JHK HAKO 0.60 111 iP, JSZ Suzu 0.76 269 iP, JNS Satsugawa 0.87 66 iP, MJAJO Matsushiro 0.93 185 iP, MAT Matsushiro 0.93 185 iP, MAT Matsushiro 0.93 185 iP, MAT Matsushiro 0.93 185 iP, JGK Kuni 0.94 164 iP, JGK Kuni 0.94 164 iP, JKT Katashina 1.03 133 iP, JHJ Hachijo jima 2.45 164 PN, JNU Natsushima 7.47 237 PN, JNU Natsushima 7.47 237 PN, ILAR Eielson Array 50.45 32 P, WRA Warramunga Arr 57.23 184 P, ASAR Alice Springs 60.95 185 P, YKA Yellowknife Ar 64.66 29 P, NOA NORSAR Array B 72.81 336 P, NVAR Mina Aray Bay 76.68 52 P, PDAR Pineda Array 79.10 44 P

DJA 10 15:45:09.9, 1.2, 9.98S, 114.13E, h33km, ML3.9/3, 1C-4D, Error ellipse: s-maj=27.8km s-min=18.6km az=40.0, South of Bali

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for KELI Kelakatan 1.79 12 eP, RATI Rata 1.86 48 iP, RATI Kedomdong 2.46 53 iP, KEDI Kedomdong 25nm, 0.2s

IDC 10 15:47:40.3, 0.7, 37.83N, 0.05, 28.73E, 0.04, h10km, n6, r0881/11, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries for DENIZ Denizi 0.25 107 iP, DENT Cakiroli 0.29 119 iP, DNZ Manisa 0.67 349 iP, MANT MANT 0.69 256 iP, AYDN Tasoluk 0.69 256 iP



Table with columns: YER, Yerkessik, 0.78 207 PG, Pg, 15 47 55.1 -0.9, BDRM, Kayabasi, 1.28 234 eP, S, 15 48 04.6 +0.6, BDRM, eS, S, 15 48 23.1 +2.8

MOS 10 15:54:24.6:1.3,34.72N;69.92E,h33km,mb4.3/15,Error ellipse: s-maj=14.7km s-min=8.4km az=99.1, BUI 10 15:54:25.1,34.70N;69.70E,h42km,mb4.6,mb4.3,ML4.7, MS4.2,MSz3.6
IDC 10 15:54:25.6:4.2,34.66N;69.73E,h36km,35km,mb4.0/10, mb1.4/2.12,mb1mx4.0/17,ML4.3/2,MS3.5/3,Ms1.3/5, ms1mx3.2/16,Error ellipse: s-maj=23.1km s-min=15.2km az=74.0
NEIC 10 15:54:26.5:1.9,34.69N;69.75E,h43km,18km,mb4.2/8, Error ellipse: s-maj=12.2km s-min=7.2km az=47.0
NMC 10 15:54:30.2:5.3,34.75N;69.20E,h93km,42km,mpv4.5, Error ellipse: s-maj=54.7km s-min=34.1km az=90.0
ISC 10 15:54:23.0:3.8,34.47N;0.03;69.63E,0.06,h40km,8km, n104,e151/128,mb4.2/21,MS3.5/7,10C-7D,

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

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

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

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

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

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

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

Table with columns: LSA, Lhasa, 18.83 99 eP, P, 15 58 42.8 +0.5, CHKZ, Chkalovo, 19.22 2 eP, P, 15 58 44.0 -2.5, CHKZ, Chkalovo, 19.22 2 eP, P, 15 58 42.6 -3.9, GNI, Garmi, 20.57 293 eP, P, 15 59 06.3 +3.3

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

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

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

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

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

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

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

Table with columns: BALP, Baler, 1.23 69 eP, P, 15 55 14.3 -0.9, TGY, Tagaytay City, 1.31 156 eP, P, 15 55 17.6 +1.0, TGY, Tagaytay City, 1.31 156 Pg, P, 15 55 18.3 +2.2

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

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

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

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

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

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

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

MAN 10 15:54:51.9:15.32N,120.38E,mb4.6,ML3.5,MS3.4
IDC 10 15:54:52.9:1.2,14.32N,119.48E,mb3.3/3,mb1.3/6.3, mb1mx3.5/14, Error ellipse: s-maj=48.5km s-min=16.3km az=4.0
ISC 10 15:54:51.8:1.2,15.31N;0.03;120.38E;0.05,h5km,9km, n21,e151/28,mb3.4/2,2C-3D,Luzon

SKHL 10 16:47:50.7:5.1,48.70N;154.10E,h179km,11km,mb5.2/6, mb5.9/2,mbv5.8/3,ms4.8/5,ms4.5/7,ms4.5/9/5
NEIC 10 16:47:54.5:2.1,48.69N;153.43E,h33km,14km,mb4.8/31, MS4.6/1, Error ellipse: s-maj=8.3km s-min=4.4km az=138.0
BUI 10 16:47:54.4,48.70N;153.40E,h32km,mb5.0,mb4.6, MS4.6,MSz4.3
IDC 10 16:47:54.0:2.6,48.70N;153.43E,h32km,18km,mb4.2/20, mb1.4/5.22,mb1mx4.5/24,ML4.4/2,MS3.9/15,Ms1.4/0.15, ms1mx3.8/25, Error ellipse: s-maj=17.6km s-min=10.5km az=146.0
MOS 10 16:47:55.0:1.5,48.78N;153.41E,h51km,mb4.8/15, Error ellipse: s-maj=10.1km s-min=7.0km az=90.0
ISC 10 16:47:53.8:0.7,48.69N;0.03;153.47E;0.04,h43km,6km, n161,e151/165,mb4.6/49,MS4.1/20,5C-9D,Kuril Islands

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

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





10d 21h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station details like frequency and power.

IDC 10 21:17:08.9-1.3, 5.66S:142.54E, mb4.4/4, mb1 4.6/6, mb1mx4.6/8, ML4.0/2, Error ellipse: s-maj=47.3km

BUI 10 20:17:10.8, 6.33S:142.45E, h45km, mb4.8

NEIC 10 20:17:11.4, 0.7, 5.79S:142.36E, h15km, mb4.6/5, Error ellipse: s-maj=20.9km s-min=12.5km az=104.0

ISC 10 20:17:24.5, 3.19S:107.1415E, 0.1, h117km, 20km, n29, c1521/26, mb4.6/5, New Guinea

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station details.

2004 MAR

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station details.

IDC 10 21:18:48.0-2.9, 32.32S:178.06W, mb4.1/2, mb1 4.3/3, mb1mx4.1/12, ML3.7/1, Error ellipse: s-maj=68.7km s-min=35.7km az=117.0, South of Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station details.

TIF 10 21:19:32.2, 42.39N-45.37E, h19km, Mpv3.8, 1C-2D, Eastern Caucasus

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station details.

NEIC 10 21:23:58.3-0.4, 24.95N-65.78E, h10km, mb4.3/10, Error ellipse: s-maj=13.2km s-min=7.2km az=209.0

BUI 10 21:24:00.3, 24.95N-66.26E, h10km, mb4.7, mb4.7, IDC 10 21:24:00.5, 1.2, 24.98N-65.73E, h21km, 3km, mb3.6/9, mb1 3.8/9, mb1mx3.7/16, MS3.5/2, Ms1 3.6/2, ms1mx3.2/16, Error ellipse: s-maj=25.9km s-min=21.1km az=156.0

ISC 10 21:23:56.0-0.3, 25.09N-0.04, 65.88E-0.03, h10km, n80, c1514/102, mb4.0/10, MS3.4/2, Pakistan

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station details.

CEP Cherat 10.16 30 P P 21 26 27.2 +1.6

AYAN Aya Nagar 10.60 69 e P 21 26 31.6 0.0

CHCP Chirah Chownk 10.69 35 P P 21 26 33.6 +0.8

KAD Karad 10.95 133 e P 21 26 36.1 -0.4

PONG Pong 11.18 50 e P 21 26 40.0 +0.4

DLH Dalhouse 11.54 48 e P 21 26 45.0 +0.5

ENH Enshi 12.51 322 e P 21 25 48.2 -1.8

CMAR Chiang Mai Arr 48.61 301 P P 21 25 58.6 0.0

CD2 Chengdu 51.63 318 e P 21 26 20.7 -0.7

LSA Lhasa 60.07 309 e P 21 27 22.7 +0.8

21h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station details.

IDC 10 21:27:53.0-1.1, 32.37S:178.07W, mb4.5/3, mb1 4.8/5, mb1mx4.5/13, ML4.1/2, MS4.1/4, Ms1 4.1/4, ms1mx3.8/13, Error ellipse: s-maj=46.9km s-min=23.3km az=135.0

NEIC 10 21:27:54.3-0.7, 32.35S:178.10W, h10km, mb4.4/3, Error ellipse: s-maj=21.1km s-min=12.4km az=128.0

ISC 10 21:27:53.9-1.2, 32.36S:0.09, 178.3W-0.2, h10km, n32, c1515/20, mb4.6/6, MS4.1/4, 4C-3D, South of Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various station details.



Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like Mina Array Bea, Tonopah, Halley, etc.

DJA 11 00:23:16.3±1.0, 10.1045±114.13E, h33km, MD4.5/7, ML4.9/4, 7C-1D, Error ellipse: s-maj=20.5km, s-min=15.9km az=26.0, South of Ball

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Ingas, Kelakatan, Rata, etc.

IDC 11 00:03:00.8±2.7, 5.39S, 127.87E, mb4.3/1, mb1 5.0/3, mb1mx4.5/10, ML4.9/2, Error ellipse: s-maj=325.0km, s-min=27.8km az=66.0

NEIC 11 00:03:16.9±5.9, 5.16S, 129.49E, h177km, 59km, kb4.1/2, Error ellipse: s-maj=58.6km, s-min=22.3km az=48.0

ISC 11 00:03:17.3±2.5, 5.25±0.1, 129.5E±0.3, h200km, 23km, n8, e057/13, mb3.9/2, Banda Sea

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

LEDBW 11 00:15:19.6±0.1, 47.90N±9.38E, h18km, 2km, ML1.7/7, Error ellipse: s-maj=4.0km, s-min=2.0km az=26.0

ZUR 11 00:15:19.4, 47.93N±9.38E, h10km, ML1.2/9, Error ellipse: s-maj=3.0km, s-min=1.5km az=198.0

ISC 11 00:15:19.9±0.7, 47.91N±0.03±9.37E±0.05, h20km, 14km, n16, e0528/29, 7C-3D, Germany

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Gutenstein, Singen-Sch Ber, Messtetten, etc.

WAR 11 01:00:52.8, 51.52N±16.11E, ML2.7, Mining Induced PRU 11 01:00:53.0, 51.45N±16.07E

NEIC 11 01:01:01.6±2.5, 50.94N±15.89E, h5km, Error ellipse: s-maj=30.7km, s-min=11.2km az=198.0

ISC 11 01:00:51.4±1.4, 51.46N±0.06±15.96E±0.07, n9, e103/16, Poland

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

BUI 11 01:31:21.1, 32.02S±177.37W, h10km, mb5.6, mb5.4, Ms5.3, Msz5.0

IDC 11 01:31:22.9±0.7, 32.10S±178.27W, mb5.0/8, mb1 5.2/11, mb1mx5.1/14, ML4.6/3, MS5.0/8, Ms1 5.0/8, ms1mx4.9/14, Error ellipse: s-maj=26.3km, s-min=13.8km az=198.0

NEIC 11 01:31:24.2±0.2, 32.2S±178.04W±10km, mb5.2/20, MS5.3/78, Error ellipse: s-maj=10.9km, s-min=6.2km az=129.0

HRVD 11 01:31:24.0±0.2, 32.01S±177.67W, h14km, MW5.4/64, Centroid moment Tensor Solution. LP body waves: s61, c113; Mantle waves: s64, c119; Half duration: 152

Moment tensor: Scale 1017Nm; Mw=0.8±0.2; M0=0.03±0.2; M00=0.84±0.2; M01=0.20±0.4; M02=0.37±0.2

Mw=0.9±0.6; Best double couple: M=1.36x10^17 NP1: phi=210°, delta=22°, lambda=104°, NP2: phi=14°, delta=89°, lambda=84°, Principal axes: T:1.31, P:66.6, Azm:274; N:1, P:65.5, Azm:16; P: -1.41, P:62.3, Azm:108; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. MOS 11 01:31:28.2±2.7, 31.98S±178.09W, h33km, mb5.2/5 Error ellipse: s-maj=22.8km, s-min=17.5km az=44.5

ISC 11 01:31:25.8±1.1, 32.64S±0.05±177.89W±0.05, h107km±10km, h40km±1, 5km±0.5, pP-P, n321.1, e1918/106, mb5.2/35, MS5.3/92, 18C-6D, South of Kermadec Islands

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Puketiti, Urewera, Kokohu, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VNA1, MAJO, Matsushiro, etc.

Main table containing station call signs, names, frequencies, and other technical details. It is organized into columns for different sections of the frequency spectrum and lists various stations with their respective parameters.

IDC 11 01:37:57.2; 2.9, 32.475x178.24W, mb4.0/2, mb1 4.2/3, mb1mx4.0/12, ML3.6/1, Error ellipse: s-maj=72.3km s-min=44.4km az=124.0, South of Kermadec Islands

Table with columns: Code, Station Name, A, Z, Phase ID, Time, Res. It lists stations like URZ Urewera and ASAR Alice Springs with their coordinates and time-related data.

IDC 11 01:42:28.5; 1.1, 32.205x178.22W, mb4.6/4, mb1 4.9/6, mb1mx4.7/12, ML4.3/2, Error ellipse: s-maj=39.0km s-min=18.9km az=161.0

Table with columns: Code, Station Name, A, Z, Phase ID, Time, Res. It lists stations like URZ Urewera and WAZ Waipoua with their coordinates and time-related data.

IDC 11 01:42:28.5; 0.6, 32.225x178.16W, 0.1, h10km, n45, s=111/22, mb4.7/11, 3C, South of Kermadec Islands

Table with columns: Code, Station Name, A, Z, Phase ID, Time, Res. It lists stations like URZ Urewera, WAZ Waipoua, and STKA Stephens Creek with their coordinates and time-related data.

Table listing station information for 11d 2h, including columns for Code, Station Name, Az, Phase ID, Time, Res, and various flags.

IDC 11 02:06:47.9.3.0. 32.18S-177.95W, mb3.5/2, mb1 3.8/3, mb1mx3.7/12, ML2.9/1, Error ellipse: s-maj=73.0km s-min=36.3km az=116.0

ISC 11 02:06:48.3.8.2. 32.4S-177.5W-0.9, h33km, n4, 0.056/4, mb3.4/2, South of Kermadec Islands

Table listing station information for 11d 2h, including columns for Code, Station Name, Az, Phase ID, Time, Res, and various flags.

BUI 11 02:15:59.9.31.80S-177.58W, h15km, mb5.6, mb5.3, Ms5.3, Msz2.2

SYO 11 02:16:00.7.32.31S-178.06W, h10km, MB5.3, MS5.2

NEIC 11 02:16:00.8.0.2. 32.31S-178.06W, h10km, mb5.3/3km, MS5.2/72, Error ellipse: s-maj=8.4km s-min=4.3km az=132.0

HRVD 11 02:16:00.8.0.2. 32.09S-177.62W, h18km, mb5.1/km, MW5.3/57, Centroid moment Tensor Solution. LP body waves: 47.74; Mantle waves: s57;c99; Halp duration: 192

Plg26°, Azm105°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. IDC 11 02:16:00.7.32.31S-178.26W, mb4.9/8, mb1 5.1/11, mb1mx5.0/14, ML4.6/3, MS4.8/7, Ms1 4.8/7, ms1mx4.6/16

Error ellipse: s-maj=32.8km s-min=14.3km az=166.0 MOS 11 02:16:05.9.1.0. 31.74S-178.62W, h33km, mb5.1/9, Error ellipse: s-maj=28.6km s-min=23.7km az=20.0

ISC 11 02:16:00.1.1.7. 32.38S-0.05S-178.05W-0.05, h15km, 12km, h9km, 1.6km, pp-P, n315, 0.1925/11.6, mb5.2/4/3, MS5.2/83, 11C-9D, South of Kermadec Islands

Table listing station information for 11d 2h, including columns for Code, Station Name, Az, Phase ID, Time, Res, and various flags.

NEIC 11 01:44:11.1.6.4. 18.87S-174.74W, h155km, 61km, mb4.8/5, Error ellipse: s-maj=27.9km s-min=15.8km az=168.0

IDC 11 01:44:12.0.3.5. 18.92S-174.75W, h161km, 31km, mb4.0/8, mb1 4.3/8, mb1mx4.1/14, Error ellipse: s-maj=26.7km s-min=12.2km az=128.0

ISC 11 01:44:06.5.3.5. 18.75S-174.9W-0.2, h121km, 31km, n30, 0.051/15, mb4.5/11, Tonga Islands

Table listing station information for 11d 2h, including columns for Code, Station Name, Az, Phase ID, Time, Res, and various flags.

IDC 11 02:06:47.9.3.0. 32.18S-177.95W, mb3.5/2, mb1 3.8/3, mb1mx3.7/12, ML2.9/1, Error ellipse: s-maj=73.0km s-min=36.3km az=116.0

ISC 11 02:06:48.3.8.2. 32.4S-177.5W-0.9, h33km, n4, 0.056/4, mb3.4/2, South of Kermadec Islands

Table listing station information for 11d 2h, including columns for Code, Station Name, Az, Phase ID, Time, Res, and various flags.

BUI 11 02:15:59.9.31.80S-177.58W, h15km, mb5.6, mb5.3, Ms5.3, Msz2.2

SYO 11 02:16:00.7.32.31S-178.06W, h10km, MB5.3, MS5.2

NEIC 11 02:16:00.8.0.2. 32.31S-178.06W, h10km, mb5.3/3km, MS5.2/72, Error ellipse: s-maj=8.4km s-min=4.3km az=132.0

HRVD 11 02:16:00.8.0.2. 32.09S-177.62W, h18km, mb5.1/km, MW5.3/57, Centroid moment Tensor Solution. LP body waves: 47.74; Mantle waves: s57;c99; Halp duration: 192

Table listing station information for 11d 2h, including columns for Code, Station Name, Az, Phase ID, Time, Res, and various flags.

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Table listing station information for 11d 2h, including columns for Code, Station Name, Az, Phase ID, Time, Res, and various flags.







225

Table of flight data for 225, including columns for airline, destination, time, status, and other details. Rows include destinations like COLA, KZA, KBK, CHMS, ILAR, etc.

2004 MAR

Table of flight data for 2004 MAR, including columns for airline, destination, time, status, and other details. Rows include destinations like KTK1, KTK1, TRO, etc.

11d 2h

Table of flight data for 11d 2h, including columns for airline, destination, time, status, and other details. Rows include destinations like SOC, OHM, QHMC, etc.

Table with columns: ULM, Lac du Bonnet, 80.31 33 P, P, 02 47 05.0 -0.8, etc. Lists various stations and their coordinates and times.

Table with columns: JMOS, Jabal al Moall, 84.68 302 P, P, 02 47 29.3 +0.7, etc. Lists various stations and their coordinates and times.

Table with columns: ROSC, El Rosal, 127.41 46 PKP, PKPdf, 02 54 01.7 +2.7, etc. Lists various stations and their coordinates and times.

NIED 11 02:38:00.36.30N,141.00E,h20km,Mw4.3 Best double couple: M2 83x10^15 NP1.9x29',delta=1.68". NP2.9x268',delta=1.147".

JMA 11 02:38:00.0.0.0.36.32N,141.02E,h46km,1km,M4.1 JMA Fell II J1.

IDC 11 02:38:01.0.0.0.36.33N,141.10E,h41km,7km,mb3.9/8, mb1.4/2.9,mb1mx4.0/20,ML4.0/2,MS14.0/2,Ms1 4.0/2, ms1mx3.5/24, Error ellipse: s-maj=23.7km s-min=11.0km az=103.0

ISC 11 02:37:59.9.0.8.36.33N,0.03x141.0E,0.1,h43km,7km,h40km,2.0km-Pp,N19,e=74/24,mb4.0,8D,Near east coast of eastern Honshu.

Table with columns: Code, Station Name, Delta, Az, Phase ID, Time Res, ISC. Lists station codes and names like JHO Hitachi, JHO Choshi, etc.

WEL 11 02:56:14.7.0.2.45.13S,-167.45E,h79km,2km,ML3.6/6, Error ellipse: s-maj=1.6km s-min=1.2km az=90.0, South Island

Table with columns: Code, Station Name, Delta, Az, Phase ID, Time Res, ISC. Lists station codes and names like DCZ Deep Cove, MLZ Milford Sound, etc.

IDC 11 03:04:29.4.2.5.82S,130.82E,mb4.2/1,mb1.3/8, mb1mx3.7/9,ML3.2/2, Error ellipse: s-maj=161.0km s-min=30.1km az=71.0

NEIC 11 03:04:41.3.3.7.6.32S,130.30E,h99km,42km,mb4.2/2, Error ellipse: s-maj=34.7km s-min=28.2km az=92.0

ISC 11 03:03:47.6.2.2.6.75.0.1,-130.6E,0.2,h202km,24km,n8,e=114/13,mb3.7/2,Banda Sea

Table with columns: Code, Station Name, Delta, Az, Phase ID, Time Res, ISC. Lists station codes and names like KAKA Kakadu, FITZ Fitzroy Crossi, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KURK Kurchatov, CHKZ Chkalovo, BRVK Borovoye, ZRKN Zerenda, KK31 Karatay Array, etc.

BUI 11 06:57:44.5, 36.44N-77.49E, h15km, ML4.3
IDC 11 06:57:52.1, 1.4, 39.27N-77.32E, mb3.9/5, mb1 4/5,
mb1 mx3.8/14, Error ellipse: s-maj=37.3km s-min=25.0km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DLH Dalhousie, SDNR Sundarnagar, SMLA Simla, NDI New Delhi, etc.

NEIC 11 07:00:26.9, 35.70N-121.15W, ML3.9(NCEDC), After NCEDC.

NEIC Felt [IV] at Bradley and Cambria; [III] at Atascadero, Morro Bay, San Luis Obispo and Templeton; [II] at Paso Robles.

IDC 11 07:00:28.9, 1.9, 35.84N-120.99W, mb3.9/2, mb1 3/8/6,
s-maj=19.2km, s-min=13.4km, Error ellipse: s-maj=22.2km,
s-min=18.1km az=23.0

ISC 11 07:00:25.5-1.7, 35.7N-0.1, 121.2W-0.1, n24, e1919/25,
mb3.9/2, Central California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LRV Little Rabbit, SAC San Andreas, LKC Lake Chabot, etc.

WAR 11 07:12:55.6, 51.45N-16.16E, ML2.6, Mining Induced
PRU 11 07:12:56.6, 51.39N-16.07E

NEIC 11 07:12:58.2, 3.3, 51.25N-16.11E, h5km, Error ellipse:
s-maj=35.3km s-min=12.1km az=46.0

ISC 11 07:12:55.4, 1.5, 51.36N-0.07, 15.97E, 0.07, n9, e091/13,
Poland

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

Table with columns: NKC, Novy Kostel, KKC Kasperske Khe, KHC KHC. Includes values for 2.50 245 eSG, 2.71 215 ePG, etc.

CASC 11 07:24:43.5, 1.9, 8.28N-82.87W, h18km, 5km, MD3.8,
2C-30, Panama-Costa Rica border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DVD David, PTP1 Petroterminal, ACP Cerro Adams, etc.

STR 11 08:10:30.0, 1.2, 47.05N-0.57W, h5km, 1km, M13.1, Error
ellipse: s-maj=0.0km s-min=0.0km az=1.0

NEIC 11 08:10:43.8, 46.80N-0.26W, h5km, ML3.0(LDG), After

LDG 11 08:10:43.8, 0.1, 46.80N-0.26W, h5km, Md3.2/1, M13.0/23,
Error ellipse: s-maj=2.1km s-min=1.4km az=44.0

ISC 11 08:10:40.2, 0.4, 46.82N-0.02, 0.20W-0.03, h1km, 3km, n29,
e1943/83, France

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MFF Saint Martin, GRR Gorron, TCF Toulx Ste Croix, etc.

Error ellipse: s-maj=12.1km s-min=7.6km az=104.5
JMA 11 08:23:43.3, 0.1, 35.76N-135.45E, h352km, 1km, M4.1
IDC 11 08:23:43.3, 0.8, 35.71N-135.35E, h353km, 8km, mb3.7/16,
mb1 3.9/21, mb1 mx3.8/26, Error ellipse: s-maj=10.2km,
s-min=9.2km az=122.0

NEIC 11 08:23:43.3, 0.4, 35.72N-135.39E, h356km, 4km, mb4.3/25,
Error ellipse: s-maj=7.0km s-min=5.5km az=124.0

ISC 11 08:23:42.3, 0.2, 35.75N-0.04, 135.41E-0.04, h359km, 2km,
n133, e091/144, mb4.2/50, 4C-6D, Western Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JKY Yasaka, JWJ Wachi, KGA Kaga, etc.

















Table with columns: MKAR, Makanchi Array, 56.47 325 P, 20 23 35.4 -0.5, 0.5nm, 0.5s, mb3.6, baz=118, slow=7.7, SNR=16

LDG 11 20:15:21.0.1.44.53N:6.72E, h2km, Md1.9/3, MI1.9/6, Error ellipse: s-maj=1.4km s-min=0.9km az=73.0

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

Table with columns: PZZ, PZZ, OQ22, OQ22, RRL, RRL, STV, STV, STV2, STV2, BHB, BHB, ENR, ENR, TOUF, TOUF, MVIF, MVIF, ORIF, ORIF

Table with columns: RSP, RSP, RAO, RAO, SBF, SBF, ROB, ROB, MONE, MONE, FRF, FRF, SMRF, SMRF

Table with columns: NEGI, NEGI, LPGA, LPGA, LSD, LSD, LPL, LPL, IMI, IMI, RORO, RORO, FIN, FIN, LMR, LMR

Table with columns: PCP, PCP, VIVF, VIVF, PGF, PGF

Table with columns: NNC 11 20:36:14.4.6.1, 37.01N:69.94E, mpv3.5, 2C-1D, Error ellipse: s-maj=63.8km s-min=45.0km az=111.0

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

Table with columns: KK31, KK31, AB31, AB31, AB31, AB31, TLL, TLL

IDC 11 20:44:55.4.1.2, 11.66S:162.80E, h33km, 4km, mb3.9/7, mb1.4/2.7, mb1mx4.1/12, MS3.5/1, Ms1 3.5/1, Ms1mx3.1/14

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

Table with columns: BKM, BKM, DZM, DZM, DZM, DZM, CTA, CTA, CTAO, CTAO, WRA, WRA, WRA, WRA, KAKA, KAKA, URZ, URZ, ASAR, ASAR, ASAR, ASAR, FITZ, FITZ, FORT, FORT, MBWA, MBWA, MBWA, MBWA, NWAO, NWAO, CMAR, CMAR, HIA, HIA, ULN, ULN, ULN, ULN, ILAR, ILAR, NVAR, NVAR, NVAR, NVAR, MKAR, MKAR, MKAR, MKAR, YKA, YKA, YKA, YKA, ARCES, ARCES

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

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

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

Table with columns: ARCES, FINES, FINES, FINES, GERES

IDC 11 20:50:56.2.1.8, 19.89S:70.71W, h36km, 6km, mb3.6/5, mb1.4/1.7, mb1mx3.9/13, ML3.9/2, MS3.8/3, Ms1 3.8/3

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

Table with columns: LVC, LVC, LVC, LVC, LPAZ, LPAZ, LPAZ, LPAZ, LPAZ, LPAZ, LPAZ, LPAZ, CPUP, CPUP, CPUP, CPUP, TRQA, TRQA, BDFB, BDFB, ROSC, ROSC, HUMP, HUMP, WWT, WWT, SNA, SNA, SDCO, SDCO, QSPA, QSPA, PDAR, PDAR, PDAR, PDAR, NVAR, NVAR, NVAR, NVAR, ESDC, ESDC, YKA, YKA, YKA, YKA, MKAR, MKAR

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

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

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

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

Table with columns: WRA, ASAR, MKAR, MKAR, MKAR, MKAR

FUNV 11 21:16:53.3, 6.75N:73.02W, h4km, MD3.8, 1C, Northern Colombia

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

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

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

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MBWA Marble Bar, ENH Enshi, CMAR Chiang Mai Arr, etc.

IDC 11 22:16:42.3-3.0, 12.48AS-167.55E, mb4.1/3, mb1 4.2/3, mb1mx3.9/12, Error ellipse: s-maj=155.0km s-min=37.4km az=140.0, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASAR Alice Springs, ILAR Eielson Array, MKAR Makanchi Array, etc.

IDC 11 22:45:40.9-4.2, 0.97N, 126.68E, h93km, 32km, mb3.7/3, mb1 3.9/3, mb1mx3.6/11, Error ellipse: s-maj=171.0km s-min=21.2km az=65.0

ISC 11 22:45:39.9-1.5, 0.5N, 125.6E, 0.5, h93km, n6, e2500/6, mb3/3, Northern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KAKA Kakadu, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

BJI 11 23:15:15.7, 49.92N, 88.11E, h11km, mb4.9, mb4.5, ML4.6, MS4.4, MS24.1

NNC 11 23:15:15.7-6.8, 49.86N-88.20E, mpv5.0, Error ellipse: s-maj=67.4km s-min=32.6km az=61.0

IDC 11 23:15:16.4-0.6, 49.85N-88.48E, mb4.1/16, mb1 4.4/19, mb1mx4.3/21, ML4.7/3, MS3.5/3, Ms1 3.5/3, ms1mx3.2/20, Error ellipse: s-maj=10.7km s-min=9.4km az=83.0

LDG 11 23:15:17.0-0.1, 49.74N-88.20E, h10km, mb4.7/15, Ms3.1/1, Error ellipse: s-maj=9.8km s-min=2.6km az=43.0

MOS 11 23:15:17.5-1.5, 49.79N-88.20E, h15km, mb4.6/27, Error ellipse: s-maj=8.9km s-min=5.7km az=116.9

NEIC 11 23:15:18.5-0.3, 49.81N-88.47E, h10km, mb4.5/26, Error ellipse: s-maj=10.4km s-min=6.5km az=211.0

ISC 11 23:15:16.6-1.0, 49.77N, 0.03-88.12E, 0.05, h5km-6km, n142, e1933/162, mb4.4/52, MS4.0/9, 6C-11D, Tuva-Buryatia-Mongolia border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AKAR Aktash, ARTR Arty-bash, UKR Ust-Kan, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KZA Kyzart, AAK Ala-Archha, UCH Ulcho, EK2S Enki-Say, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SOC comp=N, 120nm, 18.0s, MS4.0, SOC comp=E, 240nm, 19.0s, MS4.0, etc.

IDC 11 23:21:21.7-3.1, 32.39S, 178.02W, mb3.9/2, mb1 4.1/3, mb1mx4.0/12, ML3.2/1, Error ellipse: s-maj=72.9km

ISC 11 23:21:18.9-5.8, 32.7S, 0.3-177.1W, 0.9, h33km, n4, 0.0514/4, mb3.8/2, South of Kermadec Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include Urewera, Alice Springs, Warramunga Arr, FINES FINESS Array B.

NEIC 11 23:48:02.1, 44.04S, 169.66E, h33km, ML4.2(WEL), After WEL

WEL 11 23:48:02.5-0.1, 44.03S, 169.62E, h33km, ML4.2/13, 3C-2D, Error ellipse: s-maj=1.2km s-min=1.0km az=90.0, South Island

Large table listing station data for the WEL event, including stations like Rata Peaks, Otahua Downs, Waitaha Valley, etc.

IDC 11 23:49:38.6-2.2, 32.76S, 178.03W, mb3.9/2, mb1 4.2/3, mb1mx4.0/11, ML3.9/1, Error ellipse: s-maj=67.2km

s-min=37.6km az=139.0, South of Kermadec Islands

Table listing station data for the IDC event, including stations like Urewera, Alice Springs, Warramunga Arr, etc.

IDC 11 23:57:29.4-4.3, 23.37N, 94.26E, h132km, 38km, mb3.2/4, mb1 3.3/5, mb1mx3.2/14, Error ellipse: s-maj=129.0km

s-min=17.9km az=56.0

Table listing station data for the IDC event, including stations like Urewera, Alice Springs, Warramunga Arr, etc.

NEIC 12 00:23:59.8, 42.88N, 0.52W, h2km, ML2.4(LDG), ML2.3(STR), MN1.7(MDD), After LDG

STR 12 00:23:59.6-0.1, 42.90N, 0.52W, h5km, 1km, ML2.3, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

LDG 12 00:23:59.8-0.1, 42.88N, 0.52W, h2km, Mz2.2/3, Mz2.4/1, Error ellipse: s-maj=4.0km s-min=1.4km az=10.0

MDD 12 00:20:00.7-0.2, 42.95N, 0.52W, mbLg1.7/6, Error ellipse: s-maj=2.9km s-min=1.8km az=10.0, PRXIMO

ISC 12 00:23:60.0-0.3, 42.94N, 0.02-0.52W, 0.02, h2km, n29, 0.0975/2, Pyrenees

Table listing station data for the ISC event, including stations like Etsaut, REYF, Arette, Larrau, etc.

IDC 12 00:28:46.7-1.9, 3.98S, 144.00E, mb3.4/3, mb1 3.9/4, mb1mx3.9/10, ML4.2/1, Error ellipse: s-maj=82.2km

s-min=27.6km az=107.0

Table listing station data for the IDC event, including stations like Kakadu, Warramunga Arr, etc.

IDC 12 00:48:38.7-8.7, 26.62N, 62.49E, mb3.6/6, mb1 3.7/6, mb1mx3.9/17, MS3.3/1, Ms1 3.3/1, ms1mx2.8/16, Error ellipse: s-maj=154.0km s-min=31.6km az=164.0

ISC 12 00:48:28.6-0.7, 26.60N, 0.1-62.24E, 0.07, n17, 0.132/16, mb3.6/6, MS3.1/1, Southwestern Pakistan

Table listing station data for the IDC and ISC events, including stations like Mizel, ARSS, KAMS, etc.

DJA 12 00:50:08.1-0.9, 10.42S, 119.38E, h160km, MD4.6/4, ML4.7/2, Error ellipse: s-maj=75.0km s-min=18.9km az=24.0

IDC 12 00:50:09.8-2.8, 9.17S, 119.86E, mb3.7/1, mb1 3.7/3, mb1mx3.7/10, Error ellipse: s-maj=259.0km s-min=51.0

ISC 12 00:50:14.3-1.8, 10.05S, 0.2-119.2E, 0.2, h70km, 23km, n7, 0.091/13, mb3.5/1, 4C-4D, Sumba region

Table listing station data for the DJA, IDC, and ISC events, including stations like Kedondong, KEDI, etc.

0.2nm, 0.3s, baz=298, slow=13, SNR=4.9

Table listing station data for the top right section, including stations like ASAR Alice Springs, ASAR S, MKAR Makanchi Array, etc.

TIR 12 01:39:43.4, 42.22N, 19.19E, h18km, M12.7, NEIC 12 01:39:44.9, 42.19N, 19.20E, h10km, MD2.7(PDG), ML2.3(ZAG), After PDG

PDG 12 01:39:44.9-0.2, 42.19N, 19.20E, h10km, 1km, ISC 12 01:39:44.5-0.4, 42.22N, 0.02-19.19E, 0.03, h6km, 4km, n4, 0.094/46, 9C-5D, Northwestern Balkan Peninsula

Large table listing station data for the TIR, PDG, and ISC events, including stations like Podgorica, Brajic-Budva, etc.

IDC 12 01:49:46.8-2.8, 32.09S, 178.04W, mb4.0/2, mb1 4.2/3, mb1mx4.0/12, ML3.2/1, Error ellipse: s-maj=68.3km

s-min=35.3km az=118.0

ISC 12 01:49:45.2-5.6, 32.32S, 0.2-177.3W, 0.8, h33km, n5, 0.0528/5, mb3.9/2, South of Kermadec Islands

Table listing station data for the IDC and ISC events, including stations like Urewera, Alice Springs, etc.

WARR 12 01:51:12.7, 50.23N, 19.12E, ML2.2, Mining Induced

NEIC 12 01:51:13.2-7.50, 17N, 19.11E, h5km, Error ellipse: s-maj=29.0km s-min=17.0km az=49.0

PRU 12 01:51:14.8, 50.25N, 19.12E, ISC 12 01:51:11.6-0.7, 50.27N, 0.05-19.05E, 0.04, n10, 0.131/10, Poland

Table listing station data for the WARR, NEIC, PRU, and ISC events, including stations like Ojcow, Ostrava-Krasne, etc.

IDC 12 01:51:57.7-3.1, 16.88N, 100.20W, mb3.9/6, mb1 4.1/7, mb1mx4.0/18, ML3.1/1, MS3.9/4, Ms1 3.8/4, ms1mx3.4/23, Error ellipse: s-maj=66.9km s-min=33.3km az=51.0

NEIC 12 01:52:02.4, 16.83N, 100.97W, h13km, MD4.4(MEX), After MEX

MEX 12 01:52:02.9-1.1, 16.83N, 100.97W, h16km, 17km, MD4.4

ISC 12 01:50:02.0-2.9, 16.85N, 0.05-100.99W, 0.03, h24km, 6km, n38, 0.191/50, mb3.9/7, MS3.9/3, 3D, Near coast of Guerrero

Table listing station data for the IDC, NEIC, MEX, and ISC events, including stations like El Cayaco, Zihuatlan, etc.



Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Vista Hermosa, Oaxaca, Santa Fe, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like OBKA Obir, ARSA Arzberg, Koelnbreinsper, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like EALK, MTLF, ESDC, etc.

NEIC 12 01:52:19.5, 38.82N-20.50E, h10km, MD3.8(ATH), After ATH.

ATH 12 01:52:19.5, 38.82N-20.50E, h10km, 3km, MD3.8/1, ML3.9

THE 12 01:52:20.9, 38.86N-20.49E, h10km, ML3.9, IDG 12 01:52:22.1, 1.5, 38.88N-20.24E, h48km, 24km, mb3.5/6, mb1.3/7/11, mb1mrx3.5/24, ML3.6/5, MS3.0/2, Ms1.3/12, ms1mx2.7/22, Error ellipse: s-maj=32.4km s-min=12.3km az=45.0

ISC 12 01:52:18.1-0.6, 38.74N-0.03-20.33E-0.03, h12km, 4km, n85, c136/111, mb3.6/6, MS2.9/1, 6C-2D, Greece

Main station list table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like LKD Levkas, LKJ Levkas, Walsamata, etc.

IDC 12 01:54:10.7-2.3, 19.77Sx71.19W, mb4.0/1, mb1 4.0/3, mb1mx3.6/13, ML3.5/2, MS2.9/1, Ms1.3/0.1, ms1mx2.7/16, Error ellipse: s-maj=61.2km s-min=49.3km az=24.0

NEIC 12 01:54:16.3-3.7, 19.74Sx71.02W, h39km, 31km, Error ellipse: s-maj=53.7km s-min=12.5km az=88.0

ISC 12 01:54:15.7-3.9, 19.85S-0.1x70.9W-0.4, h47km, 34km, n7, c042/6, mb4.1/1, Near coast of northern Chile

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like LVC Limon Verde, LPAZ La Paz, etc.

NEIC 12 02:06:16.7, 40.60N-0.06E, h7km, ML2.9(LDG), MN2.5(MDD), After MDD.

MDD 12 02:06:16.8-0.3, 40.60N-0.05E, h6km, 3km, mbL2.5/13, Error ellipse: s-maj=4.1km s-min=1.7km az=134.0, PRXIMO

LDG 12 02:06:17.0-0.2, 40.64N-0.03E, h7km, MD3.1/3, M12.9/7, Error ellipse: s-maj=3.7km s-min=3.2km az=16.0

ISC 12 02:06:14.1-0.5, 40.65N-0.02-0.03E-0.03, h9km, 3km, n37, c137/75, 1C-1D, Spain

Main station list table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ERTA Horta de San J, EBR Ebro Roquetas, EMOS Mosqueruela, etc.

IDC 12 02:34:04.6-2.6, 36.07N-3.47E, mb3.6/7, mb1 3.8/10, mb1mx3.7/22, ML4.2/3, Error ellipse: s-maj=55.3km s-min=24.7km az=2.0

MDD 12 02:34:11.4-0.5, 36.99N-3.62E, mb4.2/16, Error ellipse: s-maj=5.2km s-min=4.9km az=147.0, PRXIMO

LDG 12 02:34:12.3-0.6, 36.88N-3.66E, h10km, M13.8/14, Error ellipse: s-maj=13.5km s-min=7.5km az=159.0

NEIC 12 02:34:13.4, 37.07N-3.49E, ML3.8(LDG), After MDD. STR 12 02:35:03.9-3.6, 40.73N-3.03E, h10km, 1km, M13.6, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

ISC 12 02:34:09.5-0.4, 37.15N-0.03-3.53E-0.03, n86, c141/122, mb3.5/7, 1C, Western Mediterranean Sea

Main station list table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like EMHD Djebel Mahoud, CKHR Kef el Ahmar, ECHF Ech Chlef, etc.







Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like OTAZ, KUZ, MWZ, etc.

MOS 12 09:18:43.5:1.1, 3.73N,126.28E,h33km,mb5,4/32, MS4.6/15, Error ellipse: s-maj=17.2km s-min=6.9km az=110.6

BUI 12 09:18:45.1, 3.48N,126.44E,h72km,mb5,3,mb5.2,MS4.8, MSz4.8

DJA 12 09:18:45.7:8.2,4.01N,126.65E,h24km,14km,mb5,2/2, Error ellipse: s-maj=267.1km s-min=13.7km az=176.0

IDC 12 09:18:46.9:1.3, 3.89N,126.59E,h45km,10km,mb5,0/24, mb1 5.0/25,mb1mx5.0/27,MLS.6/1,MS4.7/21, Mst1.4/7/21, ms1mx4.6/28, Error ellipse: s-maj=14.7km s-min=8.0km az=72.0

SYO 12 09:18:47.7, 3.82N,126.42E,h51km,MB5.3,MS5.0 HRVD 12 09:18:47.8:0.2,4.18N,126.74E,h53km,1km,MW5.3/6/8, Centroid moment Tensor Solution. LP body waves:

s57.c92; Mantle waves: s68.c130; Half duration: 1s1 Moment tensor: Scale 10^17Nm; Mo,0.18±.02; Mw,0.06±.02; Ms,0.01±.02; Mw,0.77±.02; Mo,0.81±.03; Best double couple: Mo,1.13x10^17 NP1,phi=92°, delta3°, lambda9°, NP2,phi=355°, delta4°, lambda133°. Principal axes: T 1.12, P1g36°, Azm302°; N,0.03, P1g43°, Azm170°; P,-1.15, P1g26°, Azm53°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s

NEIC 12 09:18:47.8:1.1, 3.82N,126.42E,h51km,MB5.3,MS5.0/24, MS5.0/63 Error ellipse: s-maj=6.8km s-min=4.0km az=77.0

ISC 12 09:18:48.6:0.5, 3.78N,126.03D,13D,ta157km,3km, n349,r1520/305,mb5.2/96,20C-13D,Talau Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other technical details. Includes stations like GSPH, DANI, MNI, etc.

Main table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like BOAC, LUBP, BALP, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like BJT, BJI, BJJ, etc.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MRW Makara Radio, WSWL Moikau Station, etc.

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

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ERTA Horta de San J, ERTA Horta de San J, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 12 11:02:49.6, IDC 12 11:02:56.1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 12 09:59:34.0, IDC 12 09:59:34.0, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 12 11:03:43.6, IDC 12 11:03:43.6, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 12 09:59:49.6, IDC 12 09:59:49.6, etc.

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

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



Table with columns: PDAR, Pinedale Array, 46.10 320 P, P, 11 11 58.7 +0.7, etc.

MEX 12 11:14:57.5-2.0, 17.51N x 101.02W, h5km, 70km, MD3.6

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

ISC 12 11:19:28.1-0.9, 52.65N-160.17E, h24km, 4km, ML3.8

ISC 12 11:19:28.0-1.0, 52.64N-160.23E-0.06, h20km, 6km, n28, e079/47, Off east coast of Kamchatka Peninsula

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

ISC 12 12:09:57.4-4.0, 24.75S-177.35W, mb3.6/5, mb1.4/0.5,

NEIC 12 12:10:17.6-0.5, 25.19S-177.44W, h175km, Error ellipse:

ISC 12 12:10:16.5-0.8, 25.20S-177.5W, 0.2, h175km, n8,

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

NEIC 12 12:35.1, 38.25S-175.94E, h163km, After WEL,

WEL 12 12:35.0, 38.27S-175.93E, h161km, 3km, ML4.0/8,

3C, Error ellipse: s-maj=1.8km s-min=1.5km az=90.0,

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

Table with columns: KNZ, Kokohu, 1.56 119 eP, S, 12 13 06.7 +0.1, etc.

NEIC 12 12:18:31.8, 19.88N-65.54W, h25km, MD3.7(RSPR),

After RSPR, RSPR 12 12:18:31.8, 19.88N-65.54W, h25km, 31km, M3.7, 8C,

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

PRU 12 12:43:06.7, 50.24N-18.94E

WAR 12 12:43:06.4, 50.24N-18.97E, ML2.6, Mining Induced

NEIC 12 12:43:08.2-1.7, 50.18N-18.78E, h5km, Error ellipse:

s-maj=23.4km s-min=11.2km az=191.0

ISC 12 12:43:05.3-0.6, 50.28N-18.88E, 0.04, n15, e195/24, Poland

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

NEIC 12 12:51:27.3, 19.57N-64.42W, h25km, MD3.7(RSPR),

After RSPR, RSPR 12 12:51:27.3, 19.57N-64.42W, h25km, 31km, M3.7, 13C-1D,

Virgin Islands

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

ISC 12 12:55:57.4-1.3, 58.44S-25.55W, mb4.1/2, mb1.4/2,

mb1mx3.9/9, Error ellipse: s-maj=128.0km s-min=43.9km

NEIC 12 12:55:59.5-1.1, 58.22S-25.22W, h13km, 43km, Error

ellipse: s-maj=39.5km s-min=18.6km az=60.0

ISC 12 12:55:57.5-2.1, 15.82S-0.3-25.1W-0.9, h13km, n12,

e033/9, mb4.0/3, 1C-3D, South Sandwich Islands region

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

Table with columns: VNA3, Neumayer Olymp, 14.61 160 f, P, 12 59 25.7 +0.3, etc.

NEIC 12 13:04:56.9-3.3, 3.10S-130.04E, h36km, 35km, Error

ellipse: s-maj=29.8km s-min=19.5km az=69.0

IDC 12 13:05:00.2-5.6, 3.19S-129.95E, h5km, 51km, mb3.6/5,

mb1.3/0.6, mb1mx3.8/12, ML4.1/1, Error ellipse:

s-maj=81.7km s-min=12.5km az=72.0

ISC 12 13:04:56.6-3.2, 3.25S-0.1-130.1E-0.2, h5km, 31km, n13,

e088/17, mb3.7/4, Seram

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

MEX 12 13:06:25.9-1.6, 16.35N-95.40W, h28km, 525km, MD3.9,

Oaxaca

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

IDC 12 13:12:26.4-0.8, 8.42S-129.09E, mb4.1/5, mb1.4/3.7,

mb1mx4.2/10, ML3.9/2, MSS3.6/3, Ms1.3/6.3, ms1mx3.5/10,

Error ellipse: s-maj=71.1km s-min=19.6km az=62.0

NEIC 12 13:13:30.8-0.7, 8.55S-128.72E, h25km, Error ellipse:

s-maj=20.5km s-min=10.5km az=69.0

ISC 12 13:17:31.8-2.1, 8.77S-107.128.52E-0.08, h53km, 21km,

n25, e120/26, mb4.5/12, MSS3.8/2, Timor Sea

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

ISC 12 13:18:57.4-12.0, 23.24N-123.53E, mb3.6/5, mb1.3/8/5,

mb1mx3.6/18, Error ellipse: s-maj=332.0km s-min=40.3km

az=80.0

NIED 12 13:19:00.24, 10N-123.50E, h17km, Mw3.8 Best double

couple: Mc6.32x10^14 NP1=270km, 871=, lambda=156', NP2:

phi=172', delta=88', lambda=21'

JMA 12 13:19:05.0-0.1, 24.06N-123.49E, h24km, 1km, M4.1

JMA Felt I J1

ISC 12 13:19:04.7-1.1, 24.05N-109.123.48E-0.04, h26km, 4km,

n14, e056/21, mb3.5/5, 1C, Southwestern Ryukyu

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

IDC 12 13:18:57.4-12.0, 23.24N-123.53E, mb3.6/5, mb1.3/8/5,

mb1mx3.6/18, Error ellipse: s-maj=332.0km s-min=40.3km

az=80.0

NIED 12 13:19:00.24, 10N-123.50E, h17km, Mw3.8 Best double

couple: Mc6.32x10^14 NP1=270km, 871=, lambda=156', NP2:

phi=172', delta=88', lambda=21'

JMA 12 13:19:05.0-0.1, 24.06N-123.49E, h24km, 1km, M4.1

JMA Felt I J1

ISC 12 13:19:04.7-1.1, 24.05N-109.123.48E-0.04, h26km, 4km,

n14, e056/21, mb3.5/5, 1C, Southwestern Ryukyu

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. Includes stations like JKRS Kuro-shima, YOJ Yonaguni jima, ISH Ishigaki jima, etc.

IDC 12 13:35:21.9, 1.4, 32.14S, 178.02W, mb4.4/3, mb1 4.6/5, mb1mx4.4/13, ML3.9/2, Error ellipse: s-maj=52.2km, s-min=26.0km az=142.0

NEIC 12 13:35:23.9, 0.6, 32.02S, 178.05W, h10km, mb4.3/4, Error ellipse: s-maj=15.7km s-min=15.0km az=202.0

ISC 12 13:35:24.6, 3.3, 32.20S, 0.09, 178.3W, 0.2, h17km, 43km, n14, c090/19, mb4.6/8, 3C-1D, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like URZ Urewera, RPZ Rata Peaks, STKA Stephens Creek, etc.

ISC 12 13:40:14.9, 0.6, 45.97N, 0.03, 15.48E, 0.04, n9, c0547/13, 3C, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CESS Cesta pri Krsk, GOLS Gols, LEGS Legarje, etc.

IDC 12 13:50:30.7, 1.1, 0.30, 85S, 60.07E, mb3.4/2, mb1 3.6/2, mb1mx3.4/13, Error ellipse: s-maj=744.0km, s-min=50.9km az=32.0, Southwest Indian Ridge

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

ISC 12 14:09:49.4, 0.5, 46.41N, 0.02, 15.05E, 0.04, n14, c0892/20, 3C, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PERS Pernice, GROS Grobnik, PKDS Podkum, etc.

MOS 12 14:17:28.1, 0.9, 44.73N, 141.75E, h256km, mb4.0/1, Error ellipse: s-maj=15.6km s-min=9.9km az=94.0

JMA 12 14:17:29.0, 3.4, 44.73N, 141.75E, h256km, 2km, M3.3 SKHL 12 14:17:29.0, 5.0, 44.80N, 141.70E, h260km, 25km, mb4.4/4, msh5.2/1

IDC 12 14:17:29.8, 0.5, 44.80N, 141.73E, h248km, 5km, mb3.3/13,

mb1 3.4/14, mb1mx3.4/21, Error ellipse: s-maj=14.4km s-min=12.9km az=134.0 NEIC 12 14:17:29.0, 7.4, 44.76N, 141.78E, h245km, 7km, mb3.6/1, Error ellipse: s-maj=10.5km s-min=7.3km az=133.0

ISC 12 14:17:28.6, 0.3, 44.76N, 0.04, 141.76E, 0.05, h255km, 2km, n61, c097/75, mb3.5/13, 1C, Hokkaido region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Shosan, Keihoku, Sohayes, Asahikawa, etc.

ISC 12 14:18:02.0, 1.8, 35.29N, 148.02W, mb3.7/2, mb1 4.0/4, mb1mx3.9/11, ML3.5/2, Error ellipse: s-maj=177.9W, mb3.7/2, mb1 4.0/4, s-min=33.1km az=123.0

ISC 12 14:50:45.0, 1.6, 36.45N, 0.1, 178.4W, 0.2, h149km, 13km, n18, c097/23, mb3.5/2, East of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YSS Yuzh-Sakhalins, YSS Churui, YSS Rausu, etc.

MNC 12 14:56:36.4, 15.0, 36.74N, 70.37E, h128km, 325km, mpv3.7, Error ellipse: s-maj=219.3km s-min=123.5km az=68.0

ISC 12 14:56:27.3, 2.2, 36.40N, 0.1, 71.5E, 0.3, h110km, 34km, n8, c1914/12, 2C-1D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HIA Hailar, MA2 Magadan, BOD Bodaibo, etc.

IDC 12 14:56:30.0, 1.9, 5.52S, 146.51E, mb3.3/2, mb1 3.6/3, mb1mx3.4/10, ML3.1/1, MS3.7/1, M1 3.7/1, ms1mx2.9/9, Error ellipse: s-maj=140.0km s-min=30.0km az=122.0, Eastern New Guinea region

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

JMA 12 15:00:19.7, 0.2, 33.62N, 140.88E, h61km, 4km, M3.2 IDC 12 15:00:21.2, 4.9, 33.59N, 140.74E, h59km, 33km, mb3.3/3, n17, c064/24, mb3.6/3, Southeast of Honshu

ISC 12 15:00:19.6, 0.9, 33.58N, 0.04, 140.85E, 0.09, h65km, 9km, n17, c064/24, mb3.6/3, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JHJ Mitsune, JHJ Hachioji jima, JHJ Kozu shima, etc.

baz=94, slow=37

IDC 12 14:29:40.1, 1.8, 4.27S, 144.47E, mb3.2/2, mb1 3.6/3, mb1mx3.4/10, ML3.5/1, Error ellipse: s-maj=105.0km s-min=28.7km az=117.0, Near north coast of New Guinea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KAKA Kakadu, WB2 Warramunga Arr, WRA Warramunga Arr, etc.

IDC 12 14:35:54.4, 2.0, 1.87N, 126.14E, mb3.4/3, mb1 3.7/3, mb1mx3.5/11, Error ellipse: s-maj=178.0km s-min=23.9km az=65.0

ISC 12 14:35:58.5, 1.5, 1.3N, 0.5, 124.9E, 0.8, h33km, n5, c090/5, mb3.3/3, Minahasa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WB2 Warramunga Arr, ASAR Alice Springs, etc.

IDC 12 14:50:34.2, 3.1, 35.29S, 178.79W, mb3.7/2, mb1 4.0/4, mb1mx3.9/11, ML3.5/2, Error ellipse: s-maj=177.9W, mb3.7/2, mb1 4.0/4, s-min=33.1km az=123.0

ISC 12 14:50:45.0, 1.6, 36.45N, 0.1, 178.4W, 0.2, h149km, 13km, n18, c097/23, mb3.5/2, East of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PUK Puketiti, PUZ Alice Springs, NOZ North Gisborne, etc.

MNC 12 14:56:36.4, 15.0, 36.74N, 70.37E, h128km, 325km, mpv3.7, Error ellipse: s-maj=219.3km s-min=123.5km az=68.0

ISC 12 14:56:27.3, 2.2, 36.40N, 0.1, 71.5E, 0.3, h110km, 34km, n8, c1914/12, 2C-1D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like THN Thein Dam, THN Sundarnagar, SDNR Sundarnagar, etc.

IDC 12 14:56:30.0, 1.9, 5.52S, 146.51E, mb3.3/2, mb1 3.6/3, mb1mx3.4/10, ML3.1/1, MS3.7/1, M1 3.7/1, ms1mx2.9/9, Error ellipse: s-maj=140.0km s-min=30.0km az=122.0, Eastern New Guinea region

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

JMA 12 15:00:19.7, 0.2, 33.62N, 140.88E, h61km, 4km, M3.2 IDC 12 15:00:21.2, 4.9, 33.59N, 140.74E, h59km, 33km, mb3.3/3, n17, c064/24, mb3.6/3, Southeast of Honshu

ISC 12 15:00:19.6, 0.9, 33.58N, 0.04, 140.85E, 0.09, h65km, 9km, n17, c064/24, mb3.6/3, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JHJ Mitsune, JHJ Hachioji jima, JHJ Kozu shima, etc.





Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other station-specific data. Includes stations like Zerenda, Narogina (SRO), Bilbino, etc.

Code Station Name Azimuth Azimuth Error Phase ID Time Residual
BBP Basco 0.65 72 Op P 16 19 02.9 +0.1
SGCP Mt. Cagua 2.11 161 eP S 16 19 23.3 +0.5
APY Conner 2.37 181 eP P 16 19 26.3 -0.2

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like Callao Caves, Dolores, Palanan, etc.

NEIC 12 16:19:52.6;2.1, 51.36N;178.62W, h24km;5.14km,
ML3.6(AEIC), Error ellipse: s-maj=17.7km s-min=10.2km
az=163.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like Kanaga Island, KIWIB, etc.

NEIC 12 16:20:02.2;3.0, 51.46N;178.45W, h107km;26km,
mb3.3/1.1, mb1.3/1.2, mb1.3/1.2, mb1.3/1.2, Error ellipse:
s-maj=25.1km s-min=14.3km az=167.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like Kanaga Island, KIWIB, etc.

NEIC 12 16:19:55.9;1.0, 51.31N;178.22W, h108.66km;7km,
n31, c089/35, mb3.9/1.5, Andeanof Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like Kanaga Island, KIWIB, etc.

NEIC 12 16:19:55.9;1.0, 51.31N;178.22W, h108.66km;7km,
n31, c089/35, mb3.9/1.5, Andeanof Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like Kanaga Island, KIWIB, etc.

NEIC 12 16:19:55.9;1.0, 51.31N;178.22W, h108.66km;7km,
n31, c089/35, mb3.9/1.5, Andeanof Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like Kanaga Island, KIWIB, etc.

NEIC 12 16:19:55.9;1.0, 51.31N;178.22W, h108.66km;7km,
n31, c089/35, mb3.9/1.5, Andeanof Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like Kanaga Island, KIWIB, etc.

NEIC 12 16:19:55.9;1.0, 51.31N;178.22W, h108.66km;7km,
n31, c089/35, mb3.9/1.5, Andeanof Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like Kanaga Island, KIWIB, etc.

NEIC 12 16:19:55.9;1.0, 51.31N;178.22W, h108.66km;7km,
n31, c089/35, mb3.9/1.5, Andeanof Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like Kanaga Island, KIWIB, etc.

NEIC 12 16:19:55.9;1.0, 51.31N;178.22W, h108.66km;7km,
n31, c089/35, mb3.9/1.5, Andeanof Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like Urewera, Warramunga Arr, etc.

NEIC 12 16:57:24.6;1.9, 32.30S;178.20W, mb4.3/2, mb1.4/4.4,
mb1mx4.2/13, ML3.8/2, MS3.8/2, Ms1.3.8/2, ms1mx3.4/16,
Error ellipse: s-maj=56.3km s-min=31.1km az=129.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like Urewera, Warramunga Arr, etc.

NEIC 12 16:57:25.6;1.0, 32.47S;178.12W, h10km, Error ellipse:
s-maj=28.3km s-min=13.6km az=116.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like Urewera, Warramunga Arr, etc.

NEIC 12 16:57:36.2;1.3, 32.63S;178.07W, h50.0, h33km, n23,
c1922/21, mb4.5/3, MS3.8/2, 4C-1D, South of Kermadec
Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like Urewera, Warramunga Arr, etc.

NEIC 12 17:06:49.3;9.0, 7.22S;156.88E, h346km;85km, mb3.2/5,
mb1.3/4.5, mb1mx3.3/1.1, Error ellipse: s-maj=70.4km
s-min=30.3km az=123.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like Warramunga Arr, etc.

NEIC 12 17:06:48.2;1.9, 7.45S;156.90E, h5.0, h350km, n5,
c084/5, mb3.4/5, Bougainville - Solomon Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like Warramunga Arr, etc.

NEIC 12 17:09:56.0;1.9, 6.74N;73.70W, h169km;15km, Error
ellipse: s-maj=50.3km s-min=19.0km az=91.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like Warramunga Arr, etc.

NEIC 12 17:09:55.7;2.8, 6.77N;73.06W, h165km;23km, mb3.4/4,
mb1.3/6.5, mb1mx3.3/1.7, Error ellipse: s-maj=59.0km
mb3.6/4, Northern Colombia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like Warramunga Arr, etc.

NEIC 12 17:09:54.5;2.6, 6.8N;73.0W, h169km, n8, c054/6,
mb3.6/4, Northern Colombia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like Warramunga Arr, etc.

NEIC 12 17:10:24.8;2.1, 2.27N;125.30E, mb3.3/3, mb1.3/5/3,
s-min=27.4km az=65.0, Talaud Islands





Table with columns: Code, Station Name, SNR, Az, Phase, ID, Time, Res, ISC. Includes stations like ERON Agon, EBER Berja, ELOJ Sierra Loja, etc.

Table with columns: Code, Station Name, SNR, Az, Phase, ID, Time, Res, ISC. Includes stations like EPON Pontoewa, EPON Pontoewa, EPON Pontoewa, etc.

NEIC 12 18:11:56.1, 35.10N, 3.94W, MG3.6(MDD), After MDD. MDD 12 18:11:56.1, 1.23, 35.10N, 3.94W, mb3.7/17, Error ellipse: s-maj=12.2km s-min=5.2km az=14.0, Aftershock PLICA PRXIMO, Strait of Gibraltar

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

WAR 12 18:35:39.0, 50.35N, 18.97E, ML2.4, Mining Induced PRU 12 18:35:40.4, 50.31N, 18.84E NEIC 12 18:35:41.9, 1.8, 50.34N, 18.83E, h5km, Error ellipse: s-maj=22.3km s-min=12.7km az=186.0

Table with columns: Code, Station Name, SNR, Az, Phase, ID, Time, Res, ISC. Includes stations like WAR 12 18:35:39.0, PRU 12 18:35:40.4, NEIC 12 18:35:41.9, etc.

Table with columns: Code, Station Name, SNR, Az, Phase, ID, Time, Res, ISC. Includes stations like COPN Copaltepe, TICN Ticuantepe, PYN Penolaya, etc.

IDC 12 18:37:03.0, 2.0, 9.74N, 32.83W, mb3.9/10, mb1.4/10, mb1mx4.0/19, MS4.0/14, Ms1.4/14, ms1mx4.0/23, Error ellipse: s-maj=34.6km s-min=20.7km az=123.0 NEIC 12 18:37:04.2, 0.9, 5.67N, 32.72W, h10km, mb4.4/2, Error ellipse: s-maj=37.3km s-min=15.8km az=129.0

Table with columns: Code, Station Name, SNR, Az, Phase, ID, Time, Res, ISC. Includes stations like BDFB Brasilia, SJG San Juan, CPUP Villa Florida, etc.

DJA 12 18:47:30.0, 0.9, 9.81S, 114.19E, h80km, 25km, ML3.6/3, 7C-1D, Error ellipse: s-maj=40.3km s-min=15.3km az=18.0, South of Ball

Table with columns: Code, Station Name, SNR, Az, Phase, ID, Time, Res, ISC. Includes stations like INGI Ingas, KELI Kelatan, KEDI Kedomdong, etc.

IDC 12 19:20:04.0, 2.0, 35.95N, 71.16E, h187km, 161km, mb3.2/4, mb1.3/2, mb1mx3.0/17, ML3.5/2, Error ellipse: s-maj=193.0km s-min=86.5km az=168.0

Table with columns: Code, Station Name, SNR, Az, Phase, ID, Time, Res, ISC. Includes stations like THN Thein Dam, AML Almayush, UCH Uchotr, etc.



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KK31, AAK, MKAR, KOLN, GKN, DMN, KKN, PKN, BVAR, ZAL, FINES, ARCES, NOA.

NEIC 12 19:27:15.7, 35.11N-4.03W, MG3.6(MDD), After MDD. MDD 12 19:27:15.7, 1.4, 35.11N-4.03W, mb3.5/5, Error ellipse: s-maj=14.0km s-min=6.1km az=13.0, Aftershock PLICA PRXIMO

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EMEL, EJIF, EROA, EBER, ELIJ, ELUO, EQES, EHOR, EMIN, EGRO, EMIN, PALC, EGRO.

IDC 12 19:38:07.2, 2.6, 43.08N-105.08W, mb3.5/2, mb1 3.9/4, mb1mx3.6/17, ML3.6/2, Error ellipse: s-maj=52.8km s-min=9.1km az=157.0

NEIC 12 19:38:11.3, 0.8, 43.70N-105.15W, ML3.0, Error ellipse: s-maj=10.2km s-min=6.7km az=217.0, Suspected Mining explosion.

NEIC 7.0 km [45 miles] SSE of Gillette, ISC 12 19:38:08.0, 6.4, 43.61N-106.06W-105.10W-0.07, n24, a=15/26, mb4.5/1, Wyoming

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RSDA, PDAR, ISCO, LKWI, YMR, AHID, QLMT, HWUT, LCCM, DAU, HRY, MCMT, SDCO, SPUT, HVU, NLU, HLID, MSU, ULM, SWET, YKA, ARCS, RCP.

MAN 12 19:53:07.2, 12.81N-122.90E, h26km, mb5.0, ML3.9, MS4.0, ISC 12 19:53:06.5-0.7, 12.83N-122.90E-0.03, h19km, 8km, n21, a=9/22/29, 3C-1D, Luzon

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MMHP, OTRP, GOP, BOAC, RCP.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RCP, KALP, PVP, CNP, SUMP, LOP, LOP, POLP, GUIM, GUIM, OCM, CUYO, LUBP, BUSP, BALP, MISLP, ENPP, CAUP, CAUP.

NEIC 12 20:20:46.5, 35.06N-3.94W, MG3.6(MDD), After MDD. MDD 12 20:20:46.5, 1.2, 35.06N-3.94W, mb3.6/3, Error ellipse: s-maj=12.5km s-min=5.8km az=12.0, PRXIMO

ISC 12 20:20:45.0, 0.9, 35.16N-0.05-3.99W-0.04, n21, a=15/15/40, Strait of Gibraltar

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EMEL, EJIF, EROA, EBER, ELOJ, ELOJ, ELIJ, ECOG, ESPR, ESPR, ELUO, ELUO, EQES, EQES, EHOR, EHOR, EHUE, EHUE, EADA, EADA, EMIN, PALC, PALC, EGRO, EGRO, ETOB, ETOB, PBEJ, ESDC, ESDC, EIBI, EIBI, EIBI.

IDC 12 20:30:45.6, 0.5, 5.68N-33.03W, mb4.6/26, mb1 4.8/26, mb1mx4.8/28, MS4.6/24, Ms1 4.6/24, ms1mx4.5/25, Error ellipse: s-maj=17.7km s-min=12.3km az=142.0

NEIC 12 20:30:46.9, 0.2, 5.60N-32.96W, h10km, mb5.0/66, MS4.8/50, Error ellipse: s-maj=5.5km s-min=3.5km az=155.0

BUJ 12 20:30:46.9, 5.60N-33.00W, h10km, mb5.4, Ms5.0, Msz4.8 HRVD 12 20:30:46.9, 0.2, 5.64N-32.85W, h12km, MW5.2/69, Centroid moment tensor solution. LP body waves:

s50, c81, Mantle waves: s69, c131; Half duration: 1s0 Moment tensor: Scale 10^16Nm; Mrr-6.43z, 14; Mss0.18z, 15; Mss6.24z, 15; Mss-1.7z, 14; Mss-1.66z, 12; Mss3.24z, 38; Best double couple: Mw=4.0x10^16 Np1.0z, 348; delta1, lambda-85; NP2.0z, 163; delta9, lambda-93; Principal axes: T 7.51, Plg14; Azm255; N-23, Plg2; Azm164; P-7.29, Plg76; Azm65; nst1 refers to body waves, cutoff=40s.

nst2 refers to surface waves, cutoff=50s. MOS 12 20:30:47.4, 0.6, 6.08N-32.90W, h10km, mb5.4/7, MS4.7/16, Error ellipse: s-maj=73.4km s-min=8.2km az=56.0

ISC 12 20:30:45.8, 0.3, 5.73N-0.06-32.95W-0.04, h10km, n245, a=8/5/215, mb4.9/97, MS4.7/78, 15C-20D, Central

Mid-Atlantic Ridge

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BDFB, BDFB, LIC, LIC, TIC, DBIC, KIC, SJC, SJC, SJC, CPUP, CPUP, EVO, EVO, EVO.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BBSR, LPAZ, LPAZ, ROSC, ROSC, ROSC, ESDC, ESDC, ESDC, LVC, LVC, ETSF, ETSF, EPF, EPF, MTLF, MTLF, LFF, LFF, ROFF, ROFF, ROFF, SGFM, SGFM, LASF, LASF, TCF, TCF, VIVF, VIVF, FLN, FLN, FLN, LDF, LDF, DWPF, DWPF, BGF, BGF, LMR, LMR, TRQA, TRQA, HYF, HYF, AVF, AVF, NHSC, NHSC, CBN, CBN, ORIF, ORIF, ORIF, SSF, SSF, SBF, SBF, LOR, LOR, LOR, MBDF, MBDF, BNI, BNI, LPG, LPG, LPL, LPL, CABF, CABF, BLA, BLA, BLA, MEZF, MEZF, HAU, HAU, HAU, VAI, VAI, BDI, BDI, HINF, HINF, BAIF, BAIF, GOGA, GOGA, GOGA, ZCCA, ZCCA, GIVF, GIVF, ASS, ASS, NRCA, NRCA, DAVOX, DAVOX, BFO, BFO, BFO, BFO, DAVA, DAVA, HGN, HGN, MYNC, MYNC, TSUM, TSUM, TSUM, SADO, SADO, SQTA, SQTA, MOTA, MOTA, SCHO, SCHO, WATA, WATA, WATA, ACSO, ACSO, ACSO, WTSE, WTSE, WTSE, FVI, FVI, GMNA, GMNA, SWET, SWET, PTCO, PTCO, VOY, VOY, LRAL, LRAL, LRAL, LRAL, KEB, KEB, KEB, LJU, LJU, GRA1, GRA1, GRA1, GRF, GRF, GRF, GRF, OBKA, OBKA, PERS, PERS, WCI, WCI, MOA, MOA, MOA, MOX, MOX, MOX.

NEIC 12 20:20:46.5, 35.06N-3.94W, MG3.6(MDD), After MDD. MDD 12 20:20:46.5, 1.2, 35.06N-3.94W, mb3.6/3, Error ellipse: s-maj=12.5km s-min=5.8km az=12.0, PRXIMO

ISC 12 20:20:45.0, 0.9, 35.16N-0.05-3.99W-0.04, n21, a=15/15/40, Strait of Gibraltar

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BBSR, LPAZ, ROSC, ESDC, LVC, ETSF, EPF, MTLF, LFF, ROFF, SGFM, LASF, TCF, VIVF, FLN, LDF, DWPF, BGF, LMR, TRQA, HYF, AVF, NHSC, CBN, ORIF, ORIF, SSF, SBF, LOR, MBDF, BNI, LPG, LPL, CABF, BLA, MEZF, HAU, VAI, BDI, HINF, BAIF, GOGA, ZCCA, GIVF, ASS, NRCA, DAVOX, BFO, BFO, DAVA, HGN, MYNC, TSUM, SADO, SQTA, MOTA, SCHO, WATA, ACSO, WTSE, FVI, GMNA, SWET, PTCO, VOY, LRAL, KEB, LJU, GRA1, GRF, GRF, OBKA, PERS, WCI, MOA, MOX.









Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OHR, SNI, FEA, Florida, Prazzo, SASSO, etc.

NEIC 1222:20:10.7,0.6,22.11S,169.46E,h10km,Error ellipse: s-maj=22.8km s-min=13.2km az=177.0

ISC 1222:20:12.0,3.8,22.07S,169.40E,0.07,h26km,26km,n16,c08220,mb4.3/3C,Southeast of Loyalty Islands

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

IDC 1222:45:10.5,4.4,16.88S,172.31W,mb4.0/5,mb1 4.3/5,mb1mx4.2/14,M53.0/2,M51 3.8/2,ms1mx3.4/26,Error ellipses: s-maj=31.0km s-min=23.1km az=150.0,Samoa Islands region

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

BGS 1222:45:12.4,35.64N,70.87E,h200km MOS 1222:45:16.1,0.9,36.37N,70.79E,h201km,mb6.0/48,Error ellipse: s-maj=6.0km s-min=3.8km az=119.8

NEIC 1222:45:19.0,0.1,36.40N,70.80E,h216km,999km,mb5.5,HWZ 1222:45:19.0,0.2,36.38N,70.84E,h215km,1km,MW5.6/76, Centroid moment Tensor Solution. LP body waves: s59,c97;Mantle waves: s76,c171; Half duration: 1s6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CEP, CHC, THW, SRNI, etc.

DUSS 1222:45:26.3,0.3,36.16N,67.36E,h15km,mb6.9,M55.2 ISC 1222:45:16.6,0.2,36.41N,0.01,70.74E,0.02,h207km,2km,h219km,2.2km;p-P,N1141,c092/1119,mb5.8/279,

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

AGRA 1222:45:11.01,144.0,16.88S,172.31W,mb4.0/5,mb1 4.3/5,mb1mx4.2/14,M53.0/2,M51 3.8/2,ms1mx3.4/26,Error ellipses: s-maj=31.0km s-min=23.1km az=150.0,Samoa Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PTH, LGTI, AGRA, etc.

AGRA 1222:45:11.01,144.0,16.88S,172.31W,mb4.0/5,mb1 4.3/5,mb1mx4.2/14,M53.0/2,M51 3.8/2,ms1mx3.4/26,Error ellipses: s-maj=31.0km s-min=23.1km az=150.0,Samoa Islands region

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

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

AGRA 1222:45:11.01,144.0,16.88S,172.31W,mb4.0/5,mb1 4.3/5,mb1mx4.2/14,M53.0/2,M51 3.8/2,ms1mx3.4/26,Error ellipses: s-maj=31.0km s-min=23.1km az=150.0,Samoa Islands region

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

AGRA 1222:45:11.01,144.0,16.88S,172.31W,mb4.0/5,mb1 4.3/5,mb1mx4.2/14,M53.0/2,M51 3.8/2,ms1mx3.4/26,Error ellipses: s-maj=31.0km s-min=23.1km az=150.0,Samoa Islands region

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

AGRA 1222:45:11.01,144.0,16.88S,172.31W,mb4.0/5,mb1 4.3/5,mb1mx4.2/14,M53.0/2,M51 3.8/2,ms1mx3.4/26,Error ellipses: s-maj=31.0km s-min=23.1km az=150.0,Samoa Islands region

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

Table with columns for country codes (e.g., DHD, SVE, ZEI), names, and numerical data. Includes entries like Sverdllovsk, AGT Artal, ARU Arti, etc.

Table with columns for country codes (e.g., YOZ, MNCY, QURS), names, and numerical data. Includes entries like Yozyat, Minicoy, Qurayrat al Mil, etc.

Table with columns for country codes (e.g., EIL, KZIT, KMTI), names, and numerical data. Includes entries like Elat, Kziot, Karmit, etc.

BUT		e			22 54 19.4
BUT		e	pmax	pmax	
BUT	comp=Z,44nm,0.6s				
BUT	Bajitauau	35.58	70	↑iP	P
BUT	comp=Z,44nm,0.6s,mb5.2				
BJT		ePcP	PcP		22 54 19.4 -0.9
BJT		eScP			22 57 43.2
BUT	Beijing	35.58	70	P	22 51 56.6 +0.8
BJI		XP	sP		22 53 07.7 +4.4
BJI		PP	PP		22 53 23.9 +1.5
BJI		PCP	PCP		22 54 19.7 -0.5
BJI		S	S		22 57 16.5 +0.9
BJI		SCP	PCS		22 57 43.6
BJI		PCP	PCS		22 58 06.5
BJI		AMB	AMB		
IZAR	comp=Z,61nm,0.9s,mb5.1				
IZAR	Zarasai	35.63	317	↑iP	P
IZAR	comp=Z,229nm,0.7s,mb5.8				
ISAL	Salakas	35.66	317	↑iP	P
ISAL	comp=Z,135nm,0.9s,mb5.5				
PLD	Plodiv	35.76	294	iP	P
RZN	Rozhen	35.80	293	iP	P
RZN	Rozhen	35.80	293	iP	P
Joensuu	Joensuu	35.84	330	eP	P
Joensuu	comp=Z,348nm,0.4s,mb5.2				
JOF	Joensuu	35.84	330	eP	P
JOF	comp=Z,348nm,0.4s,mb5.2				
LJV	L'vov	36.05	307	eP	P
LJV		e	S		22 53 25.3
LJV		e	S		22 57 33.0 +1.0
PGB	Panagyurishte	36.11	294	iP	P
PGB	Panagyurishte	36.11	294	iP	P
SANT	Santorini	36.20	284	eP	P
THRA	Thira Island	36.22	284	eP	P
THRA	Thira Island	36.25	284	eP	P
THRS	Thira Island	36.27	284	eP	P
KRIS	Kristallenia	36.46	282	↑iP	P
KRIS	comp=Z,953nm,0.6s,mb5.5				
OUR	Ouranopolis	36.54	291	eP	PcP
OUR	Ouranopolis	36.54	291	eP	P
MMB	Musomiste	36.55	293	iP	P
MMB	Musomiste	36.55	293	iP	P
SRS	Serrai	36.71	292	eP	P
SRS	Serrai	36.71	292	eP	P
AOS	Alonnisos	36.82	289	eP	P
AOS	Alonnisos	36.82	289	eP	P
PAIG	Paliouri	36.84	290	eP	P
PAIG	Paliouri	36.84	290	eP	P
KWP	Kalwaria	36.90	306	↑iP	P
KWP	comp=Z,1um,1.1s,mb5.4				
KWP	Kalwaria	36.90	306	↑iP	P
KWP	comp=Z,2um,2.2s				
IDI	Anoyia	36.92	282	P	22 52 06.5 -0.6
IDI	comp=Z,251nm,0.6s,mb5.9,baz=49,slow=12,SNR=157				
IDI	comp=Z,40nm,0.4s,baz=356,slow=1,SNR=60				
IDI	comp=Z,26nm,1.0s,baz=306,slow=20,SNR=4.7				
CHAT	Chantaburi	36.92	122	P	22 52 08.0 +0.8
CHAT	comp=Z,1um,1.0s,mb5.3				
SOH	Sokhos	36.94	292	eP	P
SOH	Sokhos	36.94	292	eP	P
KKB	Krupnik	36.99	293	iP	P
KKB	Krupnik	36.99	293	iP	P
SUW	Suwali	37.03	314	↑iP	P
SUW	comp=Z,600nm,0.6s,mb5.3				
SUW	Djerdap	37.10	296	eP	P
KNT	Kendrikon	37.23	292	eP	P
KNT	Kendrikon	37.23	292	eP	P
THE	Thessaloniki	37.26	291	eP	P
THE	Thessaloniki	37.26	291	eP	P
XOR	Xorichti	37.31	289	eP	P
XOR	Xorichti	37.31	289	eP	P
FINES	FINESS Array B	37.44	326	P	22 52 11.5 +0.4
FINES	comp=Z,371nm,0.7s,mb5.1,baz=118,slow=10,SNR=4161				
FINES	comp=Z,68nm,0.7s,baz=106,slow=14,SNR=5.2				
FINES	comp=Z,9.7nm,0.7s,baz=106,slow=20,SNR=2.6				
FINES	comp=Z,0.3nm,0.6s,baz=270,slow=3.8,SNR=3.4				
FINES	FINESS Array B	37.44	326	P	22 52 11.5 +0.4
FINES	comp=Z,371nm,0.7s				
FINES	FINESS Array B	37.44	326	P	22 52 11.5 +0.4
FINES	comp=Z,371nm,0.7s				
FINES	Valandovo	37.45	293	↑iP	P
FINES	Valandovo	37.47	339	↑iP	P
VAY	Lovozero	37.47	339	↑iP	P
LZV		e	S		22 57 48.2 +4.2
LZV		e	S		22 02 03.2
LZV	comp=Z,670nm,0.8s,mb5.2				
LZV	comp=N,140nm,0.6s				
LZV	comp=E,190nm,1.0s				
LZV	Lovozero	37.47	339	↑iP	P
HIA	Hallar	37.51	54	↑iP	P
HIA	comp=E,73nm,1.0s,mb5.2				
HIA		ePcP	PcP		22 54 25.1 -0.9
BOJ	Boljevac	37.58	297	↑iP	P
KAF	Kangasniemi	37.59	327	eP	P
KAF	comp=E,113nm,0.4s,mb5.8,baz=111,slow=8.6				
KAF	Kangasniemi	37.59	327	eP	P
KAF	comp=Z,113nm,0.4s,mb5.8				
GRG	Griva	37.63	292	eP	P
GRG	Griva	37.63	292	eP	P
APA	Apafity	37.64	338	↑iP	P
APA		i	sP		22 53 22.0 +1.3
APA		i	sP		22 53 44.0 +2.8
APA		i	s		22 57 47.0 +0.4
APA	comp=Z,2um,2.4s,mb5.1				
APA	comp=Z,610nm,1.2s,mb5.0				
CRVS	Cervenica-Dubn	37.69	305	eP	P
CRVS		eP	PP		22 52 13.9 +0.5
LIT	Litokhoron	37.71	291	eP	P
LIT	Litokhoron	37.71	291	eP	P
BARS	Barje	37.79	295	eP	P
AGG	Agios Georgios	38.03	289	eP	P
AGG	Agios Georgios	38.03	289	eP	P
SVIS	Svilajnac	38.06	298	↑iP	P
WAR	Warsaw	38.12	311	↑iP	P
WAR		e	S		22 53 46.9
WAR		e	MLR		22 57 49.7 -4.2
SKO	Skopje	38.19	294	↑iP	P
SKO	comp=Z,2um,2.0s				
KECS	Kecovo	38.34	304	iP	P
KECS	comp=Z,0.1nm,0.7s				
QIZ	Qiongzong	38.39	106	eP	P
QIZ	comp=Z,17nm,0.2s,mb5.2				
QIZ	Bitola	38.42	292	↑iP	P
FNA	Florina	38.42	292	eP	P
FNA	Florina	38.42	292	eP	P
NIE	Niedzica	38.45	306	↑iP	P
NIE		eP	PP		22 52 21.1 +1.4
GRUS	Gruza	38.47	297	↑iP	P
MEV	Metsovon	38.72	290	eP	P
PSZ	Piszkesteto	38.75	304	iP	P
PSZ	Piszkesteto	38.75	304	iP	P
PSZ	Piszkesteto	38.75	304	iP	P
PSZ	Piszkesteto	38.75	304	iP	P
PSZ	comp=Z,170nm,0.8s,mb5.6				
PSZ	Piszkesteto	38.75	304	↑iP	P

PSZ		e			22 54 01.6
ITM	Ithomi	38.75	286	P	22 52 21.1 -1.2
OJC	Ojcow	38.79	307	↑iP	P
OJC		eP	PP		22 52 22.8 +0.3
OJC		eP	PP		22 53 54.5 +3.5
PKS	PKS	38.81	302	↑iP	P
DIVS	Divcibara	38.97	297	↑iP	P
Boca	Boca	39.04	301	↑iP	P
PENC	Penc	39.17	303	↑iP	P
PENC	Penc	39.17	295	eP	P
PENC	Penc	39.19	296	↑iP	P
PENC	Penc	39.25	305	↑iP	P
LIKS	Likavca	39.25	305	↑iP	P
NVSS	Nova Varos 2	39.25	297	↑iP	P
PKST	Kudszentmiklos	39.29	302	↑iP	P
BUD	Budapest	39.36	303	eP	P
LKD	Lekvas	39.38	289	eP	P
VYHS	Vyhne	39.44	305	eP	P
VYHS		e	PP		22 52 28.1 +0.8
IGT	Igoumenitsa	39.45	290	eP	P
IGT	Igoumenitsa	39.45	290	eP	P
PLE	Piljevija	39.49	296	↑iP	P
PKSM	Moragy	39.71	301	↑iP	P
TTG	Podgorica	39.72	295	↑iP	P
TKY	Kolacno	39.72	305	↑iP	P
KOLL		eP	PP		22 52 31.5 +0.8
PKSG	PKSG	39.79	303	↑iP	P
ULC	Ulcinj	39.80	294	↑iP	P
KEK	Kerkira	39.81	291	eP	P
SRO	Srobarova	39.82	303	eP	P
SRO		e	PP		22 52 32.8 +1.9
RAC	Raciborz	39.83	307	eP	P
RAC		e	PP		22 54 08.0 -0.8
RAC		e	SS		22 58 21.4 +1.9
RAC		e	SS		23 01 25.0 +6.9
RAC		e	SS		22 52 30.7 -0.6
NIKS	Niksic	39.85	296	↑iP	P
OKC	Ostrava-Krasne	39.86	307	↑iP	P
OKC		e	PP		22 54 08.4 -0.8
OKC		e	x		23 01 52.5
UPM	Unac-Piva	39.86	296	↑iP	P
DL1	Dalian	39.94	291	eP	P
DL1		e	PP		22 52 33.0 +1.0
DL2		e	PP		22 53 17.8 +1.6
DL2		e	PP		22 54 33.3 -0.4
DL2		e	PP		22 58 22.2 +0.9
DL2		e	PP		22 59 42.7
DL2	comp=Z,80nm,0.6s,mb5.3				
BUM	Brajci-Budva	40.01	295	↑iP	P
BUM	Brajci	40.11	301	↑iP	P
BRY	Bratogost	40.17	296	↑iP	P
MORC	Moravsky Berou	40.25	307	↑iP	P
MORC	comp=Z,292nm,0.6s,mb5.9				
MORC	Herceg Novi	40.27	295	↑iP	P
SMOL	Smolena	40.37	305	eP	P
SMOL		e	PP		22 54 11.6 -2.8
MODS	Modra-Piesok	40.48	304	↑iP	P
MODS		e	PP		22 52 37.2 +0.8
ZST	Bradislava	40.61	304	↑iP	P
ZST		e	PP		22 52 30.0 +0.6
ZST		e	PP		22 54 15.9 -0.8
STON	Ston	40.79	296	↑iP	P
KEV	Kevo	40.81	338	eP	P
KEV	Kevo	40.81	338	eP	P
KEV	comp=Z,299nm,0.5s,mb5.0				
KEV	Kevo	40.81	338	eP	P
KEV	Kevo	40.81	338	eP	P
KEV	comp=Z,299nm,0.5s,mb5.0				
LCI	Lece	40.95	292	eP	P
DPC	Dobruska-Polom	41.02	307	↑iP	P
DPC		e	PP		22 54 21.7 +0.9
DPC		e	x		23 01 56.1
KSP	Ksiaz	41.03	308	↑iP	P
KSP	comp=Z,200nm,0.6s,mb5.7				
KSP	Ksiaz	41.03	308	↑iP	P
KSP		e	PP		22 52 41.3 +0.5
KSP		e	PP		22 54 17.0
KSP		e	PP		23 01 54.5
KSP		e	PP		23 01 49.0 +6.3
KSP		e	PP		22 54 17.0 -3.8
KSP		e	PP		22 54 54.5
KSP		e	PP		22 59 58.0
KSP		e	PP		23 01 49.0 +6.3
KSP		e	PP		22 52 42.7 +1.2
CLNS	Chul'man	41.12	43	eP	P
CLNS	comp=E,80nm,1.0s				
CLNS	comp=Z,150nm,1.0s,mb5.4				
CLNS	comp=N,30nm,1.1s				
CLNS	comp=E,100nm,13.0s				
CLNS	comp=Z,500nm,13.0s				
VKA	Vienna	41.13	304	↑iP	P
VKA	comp=Z,373nm,1.0s,mb5.7				
ARCES	ARCCESS Array B	41.15	338	P	22 54 36.3 -1.2
ARCES	comp=Z,584nm,0.6s,mb5.2,baz=108,slow=6.9,SNR=2134				
ARCES	comp=Z,153nm,0.8s,baz=117,slow=6.1,SNR=7.5				
ARCES	ARCCESS Array B	41.15	338	P	22 54 24.8 +2.8
ARCES	comp=Z,4.6nm,0.8s,baz=164,slow=1.5,SNR=7.9				
ARCES	ARCCESS Array B	41.15	338	P	22 52 42.4 +0.8
ARCES	comp=Z,584nm,0.6s				
ARCES	comp=Z,153nm,0.8s				
AREO	ARCCESS Array S	41.15	338	↑iP	P
AREO		eP	PP		22 52 42.3 +0.7
UPC	Upice	41.22	308	↑iP	P
UPC		eP	PP		22 54 20.3 -1.7
SISC	Sisak	41.22	308	↑iP	P
SISC	Barj Castellan	41.22	293	eP	P
KTK1	Kautokeino	41.62	336	↑iP	P
KTK1	comp=Z,1um,0.8s,mb5.3				
KTK1	Kautokeino	41.62	336	↑	





Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like BGF, LRW, LBL, SAH, PYM, WALI, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like SEY, CSTI, CMA1, CRQ2, DMUB, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like ILAR, ILAR, ILAR, ILAR, etc.

BMW	Boisfort Moun	96.54	10	eP	P	22 58 24.2 +1.0
SHW	Mount Saint He	96.95	9	P	P	22 58 26.5 +1.4
SHW	Mount Saint He	96.95	9	P	P	22 58 26.0 +0.9
CHMT	Chamberlain Mo	96.98	3	eP	P	22 58 25.6 +0.4
CHMT						22 58 21.2 +4.5
HWY	Holter Researc	97.22	2	eP	PP	22 58 27.2 +0.9
VGB	Gordon Butte	97.79	8	eP	P	22 58 30.0 +1.0
SSPA	Standing Stone	98.10	336	eP	P	22 58 29.9 +0.6
	comp=Z,8.3nm,0.8,mb5.1					
LCCM	Lewis and Clar	98.10	2	eP	P	22 58 31.1 +0.7
MVL	Millersville	98.18	335	eP	P	22 58 30.0 -0.7
SSOR	Sweet Springs	98.23	9	P	P	22 58 34.4 +3.4
COR	Corvallis	98.38	10	P	P	22 58 33.6 +1.9
	comp=Z,26nm,0.7s,mb5.7					
COR	Corvallis	98.38	10	eP	P	22 58 33.2 +1.5
	comp=Z,26nm,0.7s,mb5.7					
MCMT	McKenzie Canyo	99.08	3	ePdif	P	22 58 35.6 +0.7
QLMT	Earthquake Lak	99.11	2	ePdif	P	22 58 35.9 +0.9
JFWS	Jewell Farm	99.17	346	P	Pmax	22 58 35.3 0.0
	comp=Z,29nm,0.6s,mb5.8					
JFWS	Jewell Farm	99.17	346	ePdif	P	22 58 34.9 -0.4
	comp=Z,29nm,0.6s,mb5.8					
LKWY	Lake	99.40	1	ePdif	P	22 58 38.9 +2.6
	comp=Z,20nm,0.7s,mb5.7					
RSSD	Black Hills	99.71	356	P	Pmax	22 58 38.5 +0.8
	comp=Z,25nm,0.8s,mb5.7					
RSSD	Black Hills	99.71	356	ePdif	P	22 58 38.3 +0.6
	comp=Z,25nm,0.8s,mb5.7					
ACSO	Alum Creek Sta	100.00	340	ePdif	P	22 58 38.4 -0.8
	comp=Z,1.7nm,0.3s,mb6.0					
HLID	Hailey	100.27	4	ePdif	P	22 58 40.5 +0.3
	comp=Z,4.7nm,0.8s					
HMUD	Hull Mountain	100.37	10	ePdif	P	22 58 41.6 +0.8
WVOR	Wild Horse Val	101.07	7	P	P	22 58 45.1 +1.2
	comp=Z,34nm,1.2s					
WVOR	Wild Horse Val	101.07	7	ePdif	P	22 58 43.7 -0.1
	comp=Z,34nm,1.2s					
PDAR	Pinedale Array	101.20	0	P	P	22 58 44.9 +0.4
	comp=Z,4.3nm,0.6s,baz=41,slow=3.5,SNR=32					
PDAR						23 02 53.0 -5.2
	comp=Z,6.8nm,0.8s,baz=349,slow=4.6,SNR=6.7					
PDAR						23 03 07.8
	comp=Z,5.3nm,0.7s,baz=85,slow=3.3,SNR=17					
PDAR						23 14 52.0
	comp=Z,1.7nm,0.4s,baz=126,slow=4.9,SNR=11					
PDAR						23 23 09.2
	comp=Z,0.7nm,0.9s,baz=225,slow=2.1,SNR=5.8					
YBH	Yreka Blue Hor	101.27	10	P	P	22 58 45.3 +0.6
	comp=Z,4.5nm,0.5s,baz=351,slow=0.6,SNR=13					
YBH						23 02 47.1 -1.2
	comp=Z,6.4nm,1.1s,baz=312,slow=1.4,SNR=4.2					
YBH	Yreka Blue Hor	101.27	10	P	Pmax	22 58 44.4 +1.6
	comp=Z,4.0nm,0.6s					
YBH	Yreka Blue Hor	101.27	10	ePdif	P	22 58 45.0 +0.2
	comp=Z,3.7nm,0.6s					
MOD	Modoc	101.41	8	ePdif	P	22 58 45.9 +0.5
	comp=Z,13nm,0.8s					
HVU	Hansel Valley	102.12	3	P	Pdif	22 58 50.2 +1.7
HVU	Hansel Valley	102.12	3	ePdif	Pdif	22 58 49.8 +1.3
HWUT	Hardware Rack	102.33	2	ePdif	Pdif	22 58 50.6 +1.2
	comp=Z,14nm,0.7s					
SPUT	South Promonto	102.60	2	ePdif	Pdif	22 58 51.6 +0.7
BGU	Big Grassy Mou	102.96	3	ePdif	Pdif	22 58 53.4 +1.2
JLU	Jordanelle	103.34	2	ePdif	Pdif	22 58 55.3 +1.4
BEKR	Beckwourth	103.41	9	ePdif	Pdif	22 58 56.3 +2.0
	comp=Z,10nm,0.8s					
DAU	Daniels Canyon	103.53	2	ePdif	Pdif	22 58 57.9 +2.5
DAU	Daniels Canyon	103.53	2	ePdif	Pdif	22 58 56.9 +1.9
NLU	North Lily Min	103.97	2	ePdif	Pdif	22 58 58.1 +1.4
CCM	Cathedral Cave	104.06	345	P	Pdif	22 58 57.1 0.0
	comp=Z,5.0nm,0.6s					
CCM	Cathedral Cave	104.06	345	ePdif	Pdif	22 58 56.7 -0.5
	comp=Z,4.7nm,0.6s					
NVAR	Mina Array Bea	105.06	7	Pdif	Pdif	22 59 02.7 +1.1
	comp=Z,6.6nm,0.8s,baz=18,slow=3.7,SNR=27					
NVAR						23 03 15.4
	comp=Z,5.6nm,0.7s,baz=22,slow=3.6,SNR=11					
NVAR						23 14 42.2
	comp=Z,3.9nm,0.7s,baz=203,slow=5.7,SNR=15					
NVAR						23 23 02.1
	comp=Z,1.3nm,0.9s,baz=257,slow=6.0,SNR=5.1					
NVAR	Mina Array Bea	105.06	7	Pdif	Pdif	22 59 02.7 +1.1
NVAR						23 03 15.4
NVAR						23 14 42.2
NVAR						23 23 02.1
NVAR						23 23 02.1
MSU	Marysvalde	105.40	2	P	Pdif	22 59 05.6 +2.5
MSU	Marysvalde	105.40	2	ePdif	Pdif	22 59 05.0 +1.9
SWET	Sewanee	105.50	340	ePdif	Pdif	22 58 57.6 -6.0
TPH	Tonopah	105.52	7	P	Pdif	22 59 05.1 +1.5
	comp=Z,8.0nm,0.9s					
TPH	Tonopah	105.52	7	ePdif	Pdif	22 59 04.9 +1.3
	comp=Z,8.2nm,0.9s					
MTUM	Tungsten Hills	106.10	8	ePdif	Pdif	22 59 08.0 +1.8
SDCO	Great Sand Dun	106.14	357	ePdif	Pdif	22 59 07.5 +1.2
	comp=Z,3.8nm,0.9s					
NEN	Nelson	108.12	5	ePdif	Pdif	22 59 18.7 +3.6
WUZ	Wupatki	108.41	2	Pdif	Pdif	22 59 17.3 +1.0
JCT	Junction City	112.88	351	PKIKP	PKPdif	23 03 28.5 -0.1
JCT	Junction City	112.88	351	ePKPdif	PKPdif	23 03 28.0 -0.6
LTX	Lajitas	114.39	355	PKP	PKPdif	23 03 31.9 +0.3
TXAR	Lajitas Array	114.39	355	PKP	PKPdif	23 03 32.9 +1.2
	comp=Z,2.4nm,0.4s,baz=50,slow=3.2,SNR=23					
TXAR						23 04 21.9 -1.3
	comp=Z,7.7nm,0.9s,slow=3.8,SNR=6.0					
TXAR						23 14 11.6
	comp=Z,2.7nm,0.7s,baz=183,slow=6.5,SNR=12					
TXAR						23 22 44.4
	comp=Z,0.5nm,0.8s,baz=198,slow=4.0,SNR=4.2					
TXAR	Lajitas Array	114.39	355	PKP	PKPdif	23 03 32.8 +1.2
TXAR						23 04 15.2 -1.3
TXAR						23 14 11.6
TXAR						23 22 44.4
NVL	N'lazarevskaya	114.80	198	ePKIKP	PKPdif	23 03 31.0 -0.4
	comp=Z,2.4nm,0.4s,baz=50,slow=3.2,SNR=23					
NVL						23 07 00.0
	comp=Z,4.7nm,0.9s					
CAM3	Guarapari	118.80	265	(P)	PKPdif	23 03 40.3 -0.1
CAM3						23 03 45.4
CAM3						23 03 58.8
CAM3						23 04 08.3
CAM3	Guarapari	118.80	265	P	PKPdif	23 03 40.3 -0.1
CAM3						23 03 45.4
CAM3						23 03 58.8
CAM3						23 04 08.3
CAM3						23 04 15.2
MSZ	Milford Sound	119.08	126	PKP	PKPdif	23 03 40.3 -0.1
SNA	Sanae	119.24	200	PKP	PKPdif	23 03 40.0 0.0
SNA	Sanae	119.24	200	PKP	PKPdif	23 03 44.2 +4.0
VNA2	Neumayer-Watz	120.24	202	PKP	PKPdif	23 03 47.6 +5.6
VNA2	Neumayer-Watz	120.24	202	PKP	PKPdif	23 03 44.4 +2.4
VNA2						23 03 47.6 +5.6
VNA1	Neumayer-Stat	120.39	202	PKP	PKPdif	23 03 44.9 +2.6
VNA1	Neumayer-Stat	120.39	202	PKP	PKPdif	23 03 48.6 +6.3
DSZ	Denniston Nort	120.52	122	PKP	PKPdif	23 03 42.3 -0.9
RPZ	Rata Peaks	120.77	124	PKP	PKPdif	23 03 43.8 +0.1
	comp=Z,3.9nm,0.7s,baz=129,slow=1.6,SNR=28					
ZAIG	Zacatecas	120.81	353	PKP	PKPdif	23 03 45.7 +1.5
VNA3	Neumayer Olymp	121.05	202	PKP	PKPdif	23 03 49.4 +5.8
VNA3	Neumayer Olymp	121.05	202	PKP	PKPdif	23 03 46.0 +2.4
VNA3						23 03 49.4
LTZ	Lake Taylor	121.24	224	ePKP	PKPdif	23 03 44.2 -0.4
CAM4	Nova Friburgo	121.26	262	PKP	PKPdif	23 03 45.9 +0.8
CAM4						23 03 56.7
CAM4	Nova Friburgo	121.26	264	PKP	PKPdif	23 03 45.9 +0.8
CAM4						23 03 56.7
THZ	Tophouse	121.28	121	PKP	PKPdif	23 03 43.3 -1.4
KHZ	Kahutara	121.97	122	PKP	PKPdif	23 03 45.5 -0.5
OIZ	Oio	121.98	117	PKP	PKPdif	23 03 45.2 +1.6
MGZ	Maungauka	122.07	117	PKP	PKPdif	23 03 45.0 -1.3
CNZ	Chateau	122.15	117	PKP	PKPdif	23 03 44.8 -1.6
BDFB	Brasilia	122.19	124	PKP	PKPdif	23 03 47.5 +0.6
	comp=Z,16nm,0.4s,baz=32,slow=1.7,SNR=49					
BDFB						23 03 25.8 -2.0
	comp=Z,50nm,1.0s,baz=152,slow=3.5,SNR=12					
BDFB						23 13 45.6
	comp=Z,22nm,0.8s,baz=247,slow=3.6,SNR=21					

NGZ	Ngauruhoe	122.18	117	PKP	PKPdif	23 03 45.0 -1.5
URZ	Urewera	122.91	116	PKP	PKPdif	23 03 46.0 -1.9
	comp=Z,95nm,0.5s,baz=283,slow=2.4,SNR=88					
BFZ	Birch Farm	123.21	119	PKP	PKPdif	23 03 48.6 +0.2
PPM	North Gisborne	123.72	116	PKP	PKPdif	23 03 49.6 +0.1
PPM	Popoia	123.92	348	P	PKPdif	23 03 52.0 +1.7
PLIG	Platanillo	124.72	349	P	PKPdif	23 03 52.9 +1.0
CMIG	Matias Romero	125.08	343	P	PKPdif	23 03 52.9 +0.3
VNDA	Vanda	125.47	165	PKP	PKPdif	23 03 51.7 -0.1
VNDA	Vanda	125.47	165	ePKPdif	PKPdif	23 03 51.5 -0.4
OXA	Taxacote	125.50	345	P	PKPdif	23 03 52.3 +2.1
WHO	Vista Hermosa	125.51	345	P	PKPdif	23 03 55.1 +1.7
QSPA	South Pole Qui	126.20	180	ePKP	PKPdif	23 03 53.3 +0.1
SBA	Scott Base	126.54	165	ePKIKP	PKPdif	23 03 52.3 -1.6
ROSC	El Rosal	127.54	314	PKP	PKPdif	23 03 56.4 -1.1
	comp=Z,55nm,1.1s,baz=141,slow=7.3,SNR=17					
RAR	Rarotonga	133.72	85	PKP	PKPdif	23 04 09.6 +0.6
	comp=Z,22nm,0.7s,baz=299,slow=9.1,SNR=4.1					
RAR	Rarotonga	133.72	85	PKIKP	PKPdif	23 04 09.6 +0.6
	comp=Z,22nm,0.7s					
CPUP	Villa Florida	135.00	268	PKP	PKPdif	23 04 11.2 +0.1
	comp=Z,79nm,0.6s,baz=85,slow=2.1,SNR=117					
CPUP						23 06 47.1 -4.9
	comp=Z,24nm,1.1s,baz=70,slow=5.7,SNR=4.6					
CPUP						23 13 55.5 +2.5
	comp=Z,0.6nm,0.5s,baz=256,slow=4.2,SNR=3.7					
CPUP	Villa Florida	135.00	268	ePKPdif	PKPdif	23 04 11.2 0.0
LPAZ	La Paz	138.44	288	PKP	PKPdif	23 04 19.2 +1.5
	comp=Z,18nm,0.6s,baz=23,slow=7.7,SNR=19.3					
LPAZ						23 16 07.3
	comp=Z,1.8nm,0.6s,baz=243,slow=4.5,SNR=6.5					
PMOR	Pomariario Rie	139.55	68	ePKIKP	PKPdif	23 04 16.4 -3.4
	comp=Z,106nm,1.0s					
PPT	Papeete	139.82	73	ePKIKP	PKPdif	23 04 16.9 -3.4
	comp=Z,39nm,1.3s					
PPT	Papeete	139.82	73	PKP	PKPdif	23 04 19.8 -0.4
	comp=Z,40nm,0.4s,baz=47,slow=7.3,SNR=3.5					
PPT	Papeete	139.82	73	PKP	PKPdif	23 04 19.8 -0.5
	comp=Z,41nm,0.4s					
PPT						







Table with columns: Code, Station Name, Azimuth, Phase, Op, Res, Time, Res. Includes stations like CLCH, LVC, TRQA, CPUP, LPAZ, MKAR, etc.

MEX 13 04:43:26.9, 0.3, 13.08N-90.93W, h41km, 999km, MD3.7
NEIC 13 04:43:26.9, 13.08N-90.93W, h35km, mb4.3/7, MD4.7(MEX), After MEX.

IDC 13 04:43:29.8, 0.9, 13.87N-90.49W, h34km, 4km, mb3.8/10, mb1.4, 1/12, mb1mx3.9/18, ML4.2/2, MS3.7/7, Ms1 3.8/7, ms1mx3.6/23, Error ellipse: s-maj=38.1km s-min=16.8km az=60.0.

CASC 13 04:43:30.4, 1.9, 13.60N-90.99W, h20km, 7km, MD4.3, ML4.5, mb4.3/NEIC.
ISC 13 04:43:29.1, 0.3, 13.04N-90.991, 10W, 0.02, h36km, h36km, 5km, p-P, n93, 1/20, 111, mb4.2/22, MS3.9/6, 4C-16D, Near coast of Guatemala

Table with columns: Code, Station Name, Azimuth, Phase, Op, Res, Time, Res. Includes stations like IXPACO, JATO, FUEGO, PACAYA, CUSMAPA, GUATEMALA CITY, etc.

Table with columns: Code, Station Name, Azimuth, Phase, Op, Res, Time, Res. Includes stations like MTOZ, LFLU, LFRS, LBRS, LCBS, MARMOL, VSM, etc.

Table with columns: Code, Station Name, Azimuth, Phase, Op, Res, Time, Res. Includes stations like TELN, MIRN, MOMJ, COPN, MCGAN, etc.

Table with columns: Code, Station Name, Azimuth, Phase, Op, Res, Time, Res. Includes stations like JCR, TEIG, CGA2, PRS1, etc.

Table with columns: Code, Station Name, Azimuth, Phase, Op, Res, Time, Res. Includes stations like MIAR, CLNB, SWET, GDGL, etc.

Table with columns: Code, Station Name, Azimuth, Phase, Op, Res, Time, Res. Includes stations like ULM, LAC DU BONNET, etc.

couple: M0.739x10^15 NP1:phi285°, delta5°, lambda-45°. NP2:phi45°, delta5°, lambda-135°.

MOS 13 05:03:48.7, 0.7, 23.03N-121.62E, h35km, mb4.2/8, Error ellipse: s-maj=24.2km s-min=12.1km az=124.0.

BUI 13 05:03:50.3, 22.98N-121.41E, h27km, mb4.4, mb4.4, ML4.0, Ms4.2, Msz3.7.

JMA 13 05:03:52.4, 0.3, 22.98N-121.61E, h26E, h26E, M4.6, NEIC 13 05:03:52.8, 1.2, 23.03N-121.61E, h57km, 11km, mb4.0/5, Error ellipse: s-maj=11.5km s-min=10.9km az=156.0.

NEIC Felt in southeastern Taiwan. Recorded 4 [TAP] in Tai-tung; [1 TAP] in Chia-i, Hua-lien, Kao-hsiung, Nan-tou, Ping-tung, Tai-nan and Yun-lin Counties.

IDC 13 05:03:53.0, 2.5, 23.03N-121.68E, h56km, 22km, mb3.7/13, mb1.4/0.14, mb1mx3.9/20, ML4.2/1, MS3.5/7, Ms1 3.5/7, ms1mx3.4/29, Error ellipse: s-maj=17.7km s-min=15.8km az=69.0.

ISC 13 05:03:50.4, 0.2, 22.88N-0.02, 121.56E, 0.02, h35km, n124, 1824/171, mb4.1/21, MS3.5/4, 12C-8D, Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase, Op, Res, Time, Res. Includes stations like CHKT, TAITUNG, TNG, etc.

IDC 13 04:47:59.4, 2.8, 32.10S-178.14W, mb3.8/2, mb1.4/0.3, mb1mx3.9/12, ML3.5/1, Error ellipse: s-maj=68.6km s-min=35.6km az=118.0, South of Kermadec Islands

Code Station Name Azimuth Phase Op Res Time Res. Includes stations like URZ, ASAR, WRA, etc.

IDC 13 05:03:32.4, 3.1, 32.66S-178.17W, mb4.0/2, mb1.4/2.3, mb1mx4.0/11, ML3.3/1, Error ellipse: s-maj=71.6km s-min=36.4km az=117.0.

ISC 13 05:03:34.1, 5.6, 32.8S-0.2, 178.0W, 0.9, h33km, n4, 353/4, mb3.9/2, South of Kermadec Islands

Code Station Name Azimuth Phase Op Res Time Res. Includes stations like URZ, ASAR, WRA, etc.

IDC 13 05:03:32.1, 10.0, 54.62N-163.49W, mb3.6/3, mb1.3/8/6, mb1mx3.6/20, ML3.6/3, MS3.6/1, Ms1 3.6/1, ms1mx2.9/24, Error ellipse: s-maj=175.0km s-min=35.9km az=83.0.

NEIC 13 05:03:50.6, 54.83N-161.16W, h46km, ML3.5(AEIC), After AEIC.

ISC 13 05:03:48.5, 0.6, 54.92N-0.08, 161.13W, 0.09, h73km, 7km, n35, 1/102/39, mb3.4/3, Alaska Peninsula

Table with columns: Code, Station Name, Azimuth, Phase, Op, Res, Time, Res. Includes stations like DOL, SDN, SDPT, etc.

Code Station Name Azimuth Phase Op Res Time Res. Includes stations like URZ, ASAR, WRA, etc.

IDC 13 05:03:32.1, 10.0, 54.62N-163.49W, mb3.6/3, mb1.3/8/6, mb1mx3.6/20, ML3.6/3, MS3.6/1, Ms1 3.6/1, ms1mx2.9/24, Error ellipse: s-maj=175.0km s-min=35.9km az=83.0.

NEIC 13 05:03:50.6, 54.83N-161.16W, h46km, ML3.5(AEIC), After AEIC.

ISC 13 05:03:48.5, 0.6, 54.92N-0.08, 161.13W, 0.09, h73km, 7km, n35, 1/102/39, mb3.4/3, Alaska Peninsula

Table with columns: Code, Station Name, Azimuth, Phase, Op, Res, Time, Res. Includes stations like DOL, SDN, SDPT, etc.

Table with columns: Code, Station Name, Azimuth, Phase, Op, Res, Time, Res. Includes stations like CHKT, TAITUNG, TNG, etc.

IDC 13 05:03:32.1, 10.0, 54.62N-163.49W, mb3.6/3, mb1.3/8/6, mb1mx3.6/20, ML3.6/3, MS3.6/1, Ms1 3.6/1, ms1mx2.9/24, Error ellipse: s-maj=175.0km s-min=35.9km az=83.0.

NEIC 13 05:03:50.6, 54.83N-161.16W, h46km, ML3.5(AEIC), After AEIC.

ISC 13 05:03:48.5, 0.6, 54.92N-0.08, 161.13W, 0.09, h73km, 7km, n35, 1/102/39, mb3.4/3, Alaska Peninsula

IDC 13 05:03:32.1, 10.0, 54.62N-163.49W, mb3.6/3, mb1.3/8/6, mb1mx3.6/20, ML3.6/3, MS3.6/1, Ms1 3.6/1, ms1mx2.9/24, Error ellipse: s-maj=175.0km s-min=35.9km az=83.0.

NEIC 13 05:03:50.6, 54.83N-161.16W, h46km, ML3.5(AEIC), After AEIC.

ISC 13 05:03:48.5, 0.6, 54.92N-0.08, 161.13W, 0.09, h73km, 7km, n35, 1/102/39, mb3.4/3, Alaska Peninsula

IDC 13 05:03:32.1, 10.0, 54.62N-163.49W, mb3.6/3, mb1.3/8/6, mb1mx3.6/20, ML3.6/3, MS3.6/1, Ms1 3.6/1, ms1mx2.9/24, Error ellipse: s-maj=175.0km s-min=35.9km az=83.0.

NEIC 13 05:03:50.6, 54.83N-161.16W, h46km, ML3.5(AEIC), After AEIC.

ISC 13 05:03:48.5, 0.6, 54.92N-0.08, 161.13W, 0.09, h73km, 7km, n35, 1/102/39, mb3.4/3, Alaska Peninsula

IDC 13 05:03:32.1, 10.0, 54.62N-163.49W, mb3.6/3, mb1.3/8/6, mb1mx3.6/20, ML3.6/3, MS3.6/1, Ms1 3.6/1, ms1mx2.9/24, Error ellipse: s-maj=175.0km s-min=35.9km az=83.0.

NEIC 13 05:03:50.6, 54.83N-161.16W, h46km, ML3.5(AEIC), After AEIC.

ISC 13 05:03:48.5, 0.6, 54.92N-0.08, 161.13W, 0.09, h73km, 7km, n35, 1/102/39, mb3.4/3, Alaska Peninsula

IDC 13 05:03:32.1, 10.0, 54.62N-163.49W, mb3.6/3, mb1.3/8/6, mb1mx3.6/20, ML3.6/3, MS3.6/1, Ms1 3.6/1, ms1mx2.9/24, Error ellipse: s-maj=175.0km s-min=35.9km az=83.0.

NEIC 13 05:03:50.6, 54.83N-161.16W, h46km, ML3.5(AEIC), After AEIC.

ISC 13 05:03:48.5, 0.6, 54.92N-0.08, 161.13W, 0.09, h73km, 7km, n35, 1/102/39, mb3.4/3, Alaska Peninsula

IDC 13 05:03:32.1, 10.0, 54.62N-163.49W, mb3.6/3, mb1.3/8/6, mb1mx3.6/20, ML3.6/3, MS3.6/1, Ms1 3.6/1, ms1mx2.9/24, Error ellipse: s-maj=175.0km s-min=35.9km az=83.0.

NEIC 13 05:03:50.6, 54.83N-161.16W, h46km, ML3.5(AEIC), After AEIC.

ISC 13 05:03:48.5, 0.6, 54.92N-0.08, 161.13W, 0.09, h73km, 7km, n35, 1/102/39, mb3.4/3, Alaska Peninsula

IDC 13 05:03:32.1, 10.0, 54.62N-163.49W, mb3.6/3, mb1.3/8/6, mb1mx3.6/20, ML3.6/3, MS3.6/1, Ms1 3.6/1, ms1mx2.9/24, Error ellipse: s-maj=175.0km s-min=35.9km az=83.0.

NEIC 13 05:03:50.6, 54.83N-161.16W, h46km, ML3.5(AEIC), After AEIC.

ISC 13 05:03:48.5, 0.6, 54.92N-0.08, 161.13W, 0.09, h73km, 7km, n35, 1/102/39, mb3.4/3, Alaska Peninsula

IDC 13 05:03:32.1, 10.0, 54.62N-163.49W, mb3.6/3, mb1.3/8/6, mb1mx3.6/20, ML3.6/3, MS3.6/1, Ms1 3.6/1, ms1mx2.9/24, Error ellipse: s-maj=175.0km s-min=35.9km az=83.0.

NEIC 13 05:03:50.6, 54.83N-161.16W, h46km, ML3.5(AEIC), After AEIC.

ISC 13 05:03:48.5, 0.6, 54.92N-0.08, 161.13W, 0.09, h73km, 7km, n35, 1/102/39, mb3.4/3, Alaska Peninsula

IDC 13 05:03:32.1, 10.0, 54.62N-163.49W, mb3.6/3, mb1.3/8/6, mb1mx3.6/20, ML3.6/3, MS3.6/1, Ms1 3.6/1, ms1mx2.9/24, Error ellipse: s-maj=175.0km s-min=35.9km az=83.0.

NEIC 13 05:03:50.6, 54.83N-161.16W, h46km, ML3.5(AEIC), After AEIC.

ISC 13 05:03:48.5, 0.6, 54.92N-0.08, 161.13W, 0.09, h73km, 7km, n35, 1/102/39, mb3.4/3, Alaska Peninsula

IDC 13 05:03:32.1, 10.0, 54.62N-163.49W, mb3.6/3, mb1.3/8/6, mb1mx3.6/20, ML3.6/3, MS3.6/1, Ms1 3.6/1, ms1mx2.9/24, Error ellipse: s-maj=175.0km s-min=35.9km az=83.0.

NEIC 13 05:03:50.6, 54.83N-161.16W, h46km, ML3.5(AEIC), After AEIC.

ISC 13 05:03:48.5, 0.6, 54.92N-0.08, 161.13W, 0.09, h73km, 7km, n35, 1/102/39, mb3.4/3, Alaska Peninsula

IDC 13 05:03:32.1, 10.0, 54.62N-163.49W, mb3.6/3, mb1.3/8/6, mb1mx3.6/20, ML3.6/3, MS3.6/1, Ms1 3.6/1, ms1mx2.9/24, Error ellipse: s-maj=175.0km s-min=35.9km az=83.0.

NEIC 13 05:03:50.6, 54.83N-161.16W, h46km, ML3.5(AEIC), After AEIC.

ISC 13 05:03:48.5, 0.6, 54.92N-0.08, 161.13W, 0.09, h73km, 7km, n35, 1/102/39, mb3.4/3, Alaska Peninsula

IDC 13 05:03:32.1, 10.0, 54.62N-163.49W, mb3.6/3, mb1.3/8/6, mb1mx3.6/20, ML3.6/3, MS3.6/1, Ms1 3.6/1, ms1mx2.9/24, Error ellipse: s-maj=175.0km s-min=35.9km az=83.0.

NEIC 13 05:03:50.6, 54.83N-161.16W, h46km, ML3.5(AEIC), After AEIC.

ISC 13 05:03:48.5, 0.6, 54.92N-0.08, 161.13W, 0.09, h73km, 7km, n35, 1/102/39, mb3.4/3, Alaska Peninsula

IDC 13 05:03:32.1, 10.0, 54.62N-163.49W, mb3.6/3, mb1.3/8/6, mb1mx3.6/20, ML3.6/3, MS3.6/1, Ms1 3.6/1, ms1mx2.9/24, Error ellipse: s-maj=175.0km s-min=35.9km az=83.0.

NEIC 13 05:03:50.6, 54.83N-161.16W, h46km, ML3.5(AEIC), After AEIC.

ISC 13 05:03:48.5, 0.6, 54.92N-0.08, 161.13W, 0.09, h73km, 7km, n35, 1/102/39, mb3.4/3, Alaska Peninsula

IDC 13 05:03:32.1, 10.0, 54.62N-163.49W, mb3.6/3, mb1.3/8/6, mb1mx3.6/20, ML3.6/3, MS3.6/1, Ms1 3.6/1, ms1mx2.9/24, Error ellipse: s-maj=175.0km s-min=35.9km az=83.0.

NEIC 13 05:03:50.6, 54.83N-161.16W, h46km, ML3.5(AEIC), After AEIC.

ISC 13 05:03:48.5, 0.6, 54.92N-0.08, 161.13W, 0.09, h73km, 7km, n35, 1/102/39, mb3.4/3, Alaska Peninsula

IDC 13 05:03:32.1, 10.0, 54.62N-163.49W, mb3.6/3, mb1.3/8/6, mb1mx3.6/20, ML3.6/3, MS3.6/1, Ms1 3.6/1, ms1mx2.9/24, Error ellipse: s-maj=175.0km s-min=35.9km az=83.0.

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like YKA, CASC, PTP1, etc.

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

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like AS12, ASAR, ASAR, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like GSPA, KS15, SVO, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like GSPA, KS15, SVO, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like BEST, NB2, NOA, etc.

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

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

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



NEIC 13 05:40:57.9-0.7, 31.405S-178.72W, h10km, Error ellipse: s-maj=27.0km s-min=20.6km az=196.0

IDC 13 06:25:13.1-4.3, 51.03N-156.28E, h48km, mb3.4/8, mb1 3.9/9, mb1mx3.7/19, ML3.3/1, Error ellipse: s-maj=32.4km s-min=19.0km az=142.0

IDC 13 05:40:00.0-1.0, 32.933S-178.35W, h43km, mb3.3/2, mb1 4.6/3, mb1mx4.0/11, ML4.3/1, MS3.6/4, MS1 3.7/4, ms1mx3.3/16, Error ellipse: s-maj=37.6km s-min=17.7km az=130.0

KRSC 13 06:25:20.3-1.5, 50.84N-156.80E, h129km, mb3.9/2, Error ellipse: s-maj=43.3km s-min=10.6km az=67.2

ISC 13 05:41:10.9-1.0, 33.12S-0.07-179.7E, 0.2, h43km, n28, c1914/18, mb4.3/3, MS3.6/4, 1C-1D, South of Kermadec Islands

ISC 13 06:25:20.0-0.6, 50.74N-0.06-157.1E, 0.1, h126km, 5km, n51, c1914/76, mb3.5/8, Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Puketiti, Urewera, URZ, NOZ, KNZ, KHZ, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like SKR, PAU, MPR, GRL, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like CLCH, DSCH, OVCH, Pudahuel, ANTU, etc.

NEIC 13 07:03:20.7-0.6, 13.23S-167.19E, h195km, mb4.0/2, Error ellipse: s-maj=23.1km s-min=12.8km az=147.0

IDC 13 07:03:20.9-1.7, 0.13-35S-167.27E, h199km, 147km, mb3.6/4, mb1 3.9/4, mb1mx3.6/12, Error ellipse: s-maj=129.0km s-min=52.7km az=136.0

ISC 13 07:03:19.4-1.2, 13.35S-0.2-167.2E, 0.2, h195km, n12, c032/10, mb3.7/7, Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like MKAR, SADO, ARCES, JOF, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like WB2, WRA, AS12, ASAR, etc.

WAR 13 07:04:59.6-51.52N-16.11E, ML2.7, Mining Induced

NEIC 13 07:04:04.6-2.7, 51.20N-16.82E, h5km, Error ellipse: s-maj=30.2km s-min=10.3km az=196.0

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

GUC 13 06:13:08.4-0.7, 22.00S-66.98W, h246km, 14km, ML3.8

ISC 13 06:54:34.3-7.05N-125.54E, h23km, mb4.3, ML3.1, MS2.8

NEIC 13 06:13:09.0-0.8, 21.75S-67.16W, h44km, 14km, mb4.1/1, Error ellipse: s-maj=21.6km s-min=13.0km az=81.0

ISC 13 06:54:32.3-0.9, 6.88N-0.07-125.64E, 0.08, h58km, 15km, n7, c094/45, 1C-1D, Mindanao

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

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

NEIC 13 07:22:22.9-16.12N-95.12W, h21km, MD3.9(MEX), After MEX.

MEX 13 07:22:22.3-0.6, 16.12N-95.10W, h10km, 8km, MD3.9, Oaxaca

IDC 13 06:21:01.7-10.0, 37.63N-78.98E, mb3.8/3, mb1 3.8/4, s-min=43.0km az=131.0

NEIC 13 06:55:52.1-0.6, 31.80S-69.40W, h183km, 14km, MD3.7(GUC), Error ellipse: s-maj=15.4km s-min=4.6km az=84.0

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

GUC 13 06:55:53.9-0.8, 31.82S-69.44W, h153km, 8km, MD3.7, ML4.0

ISC 13 06:55:53.2-0.8, 31.82S-0.03-69.6W, 0.2, h171km, 14km, n26, c070/45, 15C-6D, San Juan Province

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

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

IDC 13 07:49:34.5-2.3, 5.08N-123.14E, mb3.6/3, mb1 3.8/3, mb1mx3.7/14, Error ellipse: s-maj=330.0km s-min=25.2km az=63.0, Mindanao

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

IDC 13 08:03:01.1-5.1, 5.78S-129.83E, h298km, 58km, mb3.1/1, mb1 3.3/3, mb1mx3.2/9, Error ellipse: s-maj=134.0km s-min=15.7km az=72.0

ISC 13 08:02:52.9-1.9, 5.82S-0.09-129.4E, 0.2, h215km, 18km, n7, c192/22, mb3.3/1, Banda Sea

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



Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like EVIA, ETOB, PBEJ, ESCD, EVO, EBO, EBEN, ERTA, EPON, etc.

IDC 13 11:07:46.3,29.30,16N,120.23E,mb3.6/3,mb1 3.8/3, mb1mx3.6/19, Error ellipse: s-maj=608.0km s-min=46.2km az=1.0

BUI 13 11:08:38.9,39.61N,118.35E,h17km,mb3.6,ML3.8, Ms3.7,Ms3.6,Northeastern China

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like BUI, DL2, ILAR, MKAR, etc.

IDC 13 11:15:27.2,3.9,39.52N,139.16E,mb3.4/4,mb1 3.8/4, mb1mx3.6/19,MS2.5/1,Ms1 2.5/1,ms1mx2.2/19, Error ellipse: s-maj=340.0km s-min=24.0km az=109.0

JMA 13 11:15:29.4,0.1,39.49N,139.34E,h24km,mb1.0n,Ms4.0 JMA Felt 1 J1, NEIC 13 11:15:31.1,0.7,39.56N,138.82E,h30km,mb4.0/2, Error ellipse: s-maj=29.7km s-min=11.3km az=109.0

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like JTB, JOGG, JYW, JYA, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like ASAR, BUI, JMA, NEIC, IDC, ISC, etc.

IDC 13 11:07:46.3,29.30,16N,120.23E,mb3.6/3,mb1 3.8/3, mb1mx3.6/19, Error ellipse: s-maj=608.0km s-min=46.2km az=1.0

BUI 13 11:08:38.9,39.61N,118.35E,h17km,mb3.6,ML3.8, Ms3.7,Ms3.6,Northeastern China

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like BUI, DL2, ILAR, MKAR, etc.

IDC 13 11:15:27.2,3.9,39.52N,139.16E,mb3.4/4,mb1 3.8/4, mb1mx3.6/19,MS2.5/1,Ms1 2.5/1,ms1mx2.2/19, Error ellipse: s-maj=340.0km s-min=24.0km az=109.0

JMA 13 11:15:29.4,0.1,39.49N,139.34E,h24km,mb1.0n,Ms4.0 JMA Felt 1 J1, NEIC 13 11:15:31.1,0.7,39.56N,138.82E,h30km,mb4.0/2, Error ellipse: s-maj=29.7km s-min=11.3km az=109.0

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like WRA, WTX, LTX, TXAR, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like LIRZ, PAZT, MARZ, URZ, etc.

NNC 13 12:10:22.1,2.6,37.45N,70.40E,mpv4.0, Error ellipse: s-maj=28.6km s-min=19.4km az=138.0

ISC 13 12:10:23.1,5.2,37.5N,0.4,70.6E,0.2,h33km,nsr, @1900/10,3C-1D,Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, Time, Res. Includes stations like UCH, KK31, EK2S, etc.



Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like Santa Fe, Morelia, El Cayaco, Acapulco, etc.

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like Wild Horse Val, Prospektale, Forest Hill, Blacksburg, etc.

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like NOA, ESDC, Saitras, etc. Includes a section for MAN 13:14:10:58.3, 16.51N:121.03E, h10km, mb4.3, ML3.2.



0.7nm,0.5s,mb4.0,baz=318,slow=6.7,SNR=18

NAO 13 16:39:43.3,0.0,67.61N,33.90E,ML2.0  
HEL 13 16:39:45.1,0.4,67.67N,33.73E,ML2.0,ML1.8(BER),  
ML2.0(NAO),Explosion

ISC 13 16:39:45.9,1.6,67.78N,0.04,33.3E,0.2,n16,σ1903/23,  
Baitic States - Belarus - Northwestern Russia

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

IDC 13 16:39:58.5,2.1, 14.25S,167.65E,mb3.7/6,mb1 4.0/6,  
mb1mx3.9/12, Error ellipse: s-maj=93.4km s-min=25.6km  
az=15.0

ISC 13 16:40:02.1,2.0, 14.4S,0.5,167.6E,0.4,h33km,n6,  
σ078/6,mb3.7/6, Vanuatu Islands

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

CASC 13 16:41:05.5,1.4, 12.36N,87.07W,h193km,8km,MD4.0,  
mb3.8(NEIC)

NEIC 13 16:41:05.8,0.5, 12.70N,86.69W,mb3.8/3, Error ellipse:  
s-maj=28.2km s-min=10.0km az=63.0

IDC 13 16:41:06.2,2.4, 12.79N,86.66W,h201km,46km,3.6/2.5,  
mb1 3.4/6,mb1mx3.1/7, Error ellipse: s-maj=54.8km  
s-min=26.3km az=10.0

ISC 13 16:41:04.0,4.0, 12.6N,0.0,1.86,82W,0.09,h203km,5km,  
n35,σ089/41,mb3.5/8,11C-6D,Nicaragua

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

IDC 13 16:53:15.9,2.2,26.84N,53.00E,mb3.8/5,mb1 3.9/5,  
mb1mx3.6/17, Error ellipse: s-maj=68.3km s-min=37.5km  
az=51.0

ISC 13 16:53:16.2,1.2,26.9N,0.2,52.9E,0.1,h10km,n9,σ054/9,  
mb3.7.5, Persian Gulf

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

MOS 13 16:55:53.1, 1.8, 35.97N,90.46E,h33km,mb4.4/6, Error  
ellipse: s-maj=21.5km s-min=8.5km az=95.6

BUI 13 16:55:55.5, 35.98N,90.63E,h47km,mb3.5,mb4.4,ML4.2,  
ML4.0,MS23.9

IDC 13 16:55:55.7, 5.0, 35.89N,90.47E,h38km,45km,mb3.7/7,  
mb1 3.9/10,mb1mx3.7/17,ML3.5/3,MS3.2/1,Ms1 3.4/1,  
ms1mx2.8/19, Error ellipse: s-maj=54.4km s-min=16.8km  
az=64.0

NEIC 13 16:55:56.6, 1.5, 35.98N,90.57E,h47km,16km,mb4.0/6,  
Error ellipse: s-maj=18.7km s-min=10.8km az=65.0

ISC 13 16:55:51.7,2.7,35.88N,0.08,90.5E,0.1,h27km,20km,  
n31,σ1919/32,mb4.0/11,MS3.8/1,Qinghai

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

MAN 13 17:29:42.0, 15.34N,122.27E,h1km,mb4.6,ML3.4,MS3.3,  
2C,Philippine Islands region

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

IDC 13 18:07:49.2,0.9, 15.20S,173.42W,mb3.8/8,mb1 4.1/8,  
mb1mx4.1/13, Error ellipse: s-maj=46.8km s-min=19.5km  
az=138.0

ISC 13 18:07:52.8,0.8, 15.2S,0.2,173.5W,0.2,h33km,n9,  
σ020/8,mb3.8/8, Tonga Islands

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

13d 20h

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like APYV Conner, ABRA Dolores, SZP Santa, etc.

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

2004 MAR

Table with columns: LIBD, Limburg, Time, Res, ISC. Includes stations like LIBD Limburg, BFO Black Forest, WLS Welschbruch, etc.

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Table with columns: WIMIS, Wimmis, Time, Res, ISC. Includes stations like WIMIS Wimmis, TORNY Torry, LLS Lint-Limmern, etc.



Table with columns: Station Name, SNR, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like Montbardon, Oris-en-Rattie, Wetzell, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like Kirchzarten, Feldberg, Schleithem, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like Valerien, Tololo Astrono, Copiopo, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like Sierra de Lija, Espera, Hornachuelos, etc.

Table with columns: Station Name, SNR, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes stations like Sierra Loja, Mina Concepcio, EADA Adamuz, etc.



Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like EGRO, ETOB, ETOB, ETOB, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like NEW, NEW, NEW, NEW, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like RPZ, RPZ, AS12, ASAR, etc.

NEIC 13 21:44:04.7, 18.53N, 101.09W, h68km, MD3.6(MEX), After MEX.

MEX 13 21:44:04.7, 18.53N, 101.09W, h68km, MD3.6, 2C, Guerrero

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ZIIG, ZIIG, MOIG, etc.

NMC 13 21:48:45.6, 2.0, 39.45N, 75.52E, h184km, 19km, mpv3.2, Error ellipse: s-maj=464.0km s-min=22.0km az=46.0

ISC 13 21:48:38.5, 1.0, 38.08N, 10.74E, 0.2, h184km, n12, c055/13, 2C, Tajikistan-Xinjiang border region

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like KZA, UCH, EKS2, etc.

BJI 13 21:48:55.7, 51.53N, 177.12W, h46km, mb4.6, mb4.7, MS4, MS24.2

NEIC 13 21:48:58.2, 0.4, 51.62N, 176.90W, h53km, 3km, mb4.3/13, ML4.4(AEIC), Error ellipse: s-maj=9.5km s-min=4.1km az=169.0

IDC 13 21:48:58.2, 5.1, 65.16N, 176.93W, h57km, 21km, mb4.0/16, mb1.4/2/17, mb1mx4.0/24, ML3.6/1, MS3.6/12, MS1.3/6/12, ms1mx3.4/29, Error ellipse: s-maj=21.4km s-min=10.7km az=173.0

ISC 13 21:48:57.0, 5.0, 51.68N, 176.89W, 0.05, h62km, 3km, n77, c0984/76, mb4.3/26, 2D, Australian Islands

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like KIMD, KIWB, ADK, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like NEW, NEW, NEW, NEW, etc.

CASC 13 22:08:59.2, 0.9, 13.26N, 89.85W, h41km, 19km, MD3.3, ML2.7, SC-4D, El Salvador

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like SBLS, SBLS, SNUJ, etc.

IDC 13 22:08:02.5, 1.6, 33.19S, 178.42W, mb4.4/2, mb1.1/6/4, mb1mx4.3/12, ML4.0/2, Error ellipse: s-maj=53.1km s-min=25.7km az=129.0

NEIC 13 22:08:03.4, 1.0, 33.34S, 178.34W, h10km, Error ellipse: s-maj=27.1km s-min=15.7km az=112.0

ISC 13 22:08:05.7, 1.2, 33.22S, 0.08, 179.00W, 0.2, h10km, n24, c1929/21, mb4.3/5, SC-2D, South of Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like PUZ, PUZ, URZ, etc.

NEIC 13 22:08:49.3, 31.83N, 116.06W, h0km, ML3.6(PAS), After PAS.

ECX 13 22:05.1, 3.0, 31.86N, 116.06W, h8km, MD3.5, ML3.5, 8C-8D, Baja California

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like RDX, RDX, PGX, etc.

DJA 13 22:10:38.9, 3.64N, 98.25E, h30km, MB3.8, 3D, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0, Northern Sumatara

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like TSI, TSI, TSI, etc.

IDC 13 22:12:46.4, 1.5, 0.57S, 121.98E, mb3.8/4, mb1.0/4/0, mb1mx3.9/11, MS3.1/1, MS1.3/11, ms1mx2.8/16, Error ellipse: s-maj=158.0km s-min=20.5km az=56.0

ISC 13 22:12:49.4, 1.4, 0.6S, 0.6, 121.9E, h33km, n6, c0547/5, mb3.7/4, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like TGY, TGY, WRA, etc.

TAP 13 22:27:58.5, 24.76N, 122.26E, h3km, ML3.2

JMA 13 22:27:58.6, 0.2, 24.59N, 122.39E, M2.4

ISC 13 22:27:59.2, 2.5, 24.6N, 0.3, 122.4E, 0.1, h4km, 11km, n5, c0541/10, Taiwan region

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like YOJ, YOJ, YOF, etc.

DJA 13 22:33:07.7, 1.0, 9.80S, 114.95E, h8km, 5km, MD4.9/1, ML4.0/3, 6C, Error ellipse: s-maj=20.2km s-min=17.5km az=169.0, South of Bali

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like INGI, INGI, RATI, etc.

IDC 13 22:46:49.4, 2.5, 0.80S, 129.94E, mb3.7/3, mb1.3/9/4, mb1mx3.8/11, ML3.9/1, Error ellipse: s-maj=116.0km s-min=22.9km az=65.0, Halmahera

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like KALP, KALP, WRA, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC, Res. Includes stations like Kings Mountain, Sweet Springs, Yreka Blue Hour, etc.

THE 13 23:34:42.5, 40.66N-23.35E, h10km, ML2.5
NEIC 13 23:34:42.3, 40.70N-23.34E, h19km, MD2.9(A/H), After ATH.

ATH 13 23:34:42.3, 40.70N-23.34E, h19km, ML2.9/5
ISC 13 23:34:42.0, 40.4, 40.67N-0.02-23.37E, 0.04, h13km, 4km, n13, <0.91/23, Greece

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

IDC 13 23:54:44.8, 3.2, 32.45S, 178.08W, mb3.9/2, mb1 4.0/3, mb1mx3.9/12, ML3.3/1, Error ellipse: s-maj=7.43km

ISC 13 23:54:45.4, 5.6, 32.6S, 0.2x17.7W-0.8, h33km, n5, <0.915, mb3.7/2, South of Bermuda Islands

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

IDC 13 23:57:06.7, 46.48, 51N-89.28E, mb4.3/20, mb1 4.5/23, mb1mx4.5/24, ML4.2/3, MS3.6/5, Ms1 3.6/5, ms1mx3.4/23, Error ellipse: s-maj=11.9km, s-min=10.0km, az=162.0

NEIC 13 23:57:08.3, 0.2, 48.51N-89.28E, h10km, mb4.7/21, Error ellipse: s-maj=6.5km, s-min=4.3km, az=204.0

MOS 13 23:57:13.0, 0.2, 48.70N-89.10E, h15km, mb4.4/1, Error ellipse: s-maj=28.8km, s-min=13.8km, az=107.4

ISC 13 23:57:06.4, 1.2, 48.53N-0.03, 89.22E, 0.05, h7km, 7km, n95, <1904/104, mb4.5/41, MS3.9/5, 3C, Tonga

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

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC, Res. Includes stations like Artybash, Ust'-Kan, Tashtagol, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC, Res. Includes stations like Yellowknife Ar, Dease Lake, Marble Bar, etc.

NEIC 14 00:16:05.6, 43.11N-0.40W, h2km, ML2.2(LDG), ML1.9(STR), MN1.5(MDD), After LDG.
STR 14 00:16:05.3, 0.5, 43.04N-0.44W, h5km, 1km, M1.9, Error ellipse: s-maj=0.0km, s-min=0.0km, az=1.0

LDG 14 00:16:05.6, 0.1, 43.11N-0.40W, h2km, Md2.4/2, M12.2/7, Error ellipse: s-maj=2.2km, s-min=1.6km, az=102.0

MDD 14 00:16:06.2, 0.3, 43.11N-0.38W, mbLg1, 47, Error ellipse: s-maj=3.0km, s-min=1.8km, az=176.0, PFXIMO

ISC 14 00:16:04.1, 0.4, 43.20N-0.02-0.36W, 0.03, h5km, n28, <1837/49, Pyrenees

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC, Res. Includes stations like Montagne du Re, Les Forges d'A, Vief, etc.

14d 3h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BDFB, CPUP, ESDC, etc.

14C 14 00:37:18.6±2.5,22.41N:143.02E, h164km,23km,mb3.2/6, mb1 3.4/7, mb1mx3.3/19, Error ellipse: s-maj=42.4km s-min=15.8km az=98.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CBIJ, WRA, ASAR, etc.

14C 14 00:55:35.2±0.5,38.11S:75.03W, h26km±57km, ML4.0,1D, Off coast of central Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TMCH, CCHI, CICH, etc.

NEIC 14 01:25:34.2, 35.03N, 3.98W, MG3.9(MDD), After MDD. INMG 14 01:25:34.9, 1.4, 34.88N, 3.99W, h52km, 8km, ML2.6, Error ellipse: s-maj=5.7km s-min=4.1km az=169.0

MDD 14 01:25:34.4, 1.1, 35.04N, 4.00W, mb3.9/20, Error ellipse: s-maj=10.9km s-min=5.5km az=13.0, Aftershock/PLICA PRXIMO

ISC 14 01:33:39.0±0.7, 34.95N±0.04, 4.05W±0.03, h52km, n45, ±1517/88, 1C, Morocco

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like EMEL, etc.

2004 MAR

Main table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MELI, REAL, EMAL, etc.

14C 14 01:53:19.8±1.2, 18.17N:120.15E, mb3.4/5, mb1 3.7/5, mb1mx3.6/14, Error ellipse: s-maj=46.9km s-min=23.4km az=58.0

MAN 14 01:53:23.6, 18.18N:119.76E, h5km, mb4.4, ML3.2, MS3.0

ISC 14 01:53:21.7±0.8, 18.31N±0.10, 119.73E±0.07, h5km, n12, ±1517/15, mb3.3/4, 1C, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SZP, ABRA, APYP, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CVP, CAUP, PALP, etc.

NEIC 14 02:20:09.2, 31.65S:68.25W, h148km, MD3.3(GUC), After GUC

GUC 14 02:20:09.2±0.8, 31.65S:68.25W, h148km, MD3.3, ML3.6, 2C-20, San Juan Province

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JACH, CMCH, FCH, etc.

MAN 14 02:34:25.3, 10.38N:126.16E, h1km, mb4.2, ML3.0, MS2.8, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SCPH, MSLP, PLP, etc.

WEL 14 02:54:54.1±0.2, 38.96S:175.78E, h120km±1km, ML3.6/4, 3C, Error ellipse: s-maj=1.2km s-min=1.0km az=0.0

North Island

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KAVZ, MGZ, WTVZ, etc.

SNSN 14 03:23:04.9, 28.89N:34.75E, h17km, M12.6

GII 14 03:23:06.3±0.7, 28.97N:34.86E, h5km, 30km, ML2.7/5, Mw2.7/3

ISC 14 03:23:04.3±0.8, 28.89N±0.03, 34.71E±0.05, h8km±4km, n16, ±082/26, Egypt

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HAQS, TAYS, JIMOS, etc.



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

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

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





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Mount Spurr, Katmai Hook Gl, Katmai Rainbow, Crater Peak Tw, Crater Peak, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Berane, Brajici-Budva, Bitola, Niksic, Herceg Novi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Urewera, Asar Ali Springs, Warramunga Arr, Fines Finess Array B, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Peshkopia, Shkodra, Bajram Curri, Ulcinj, Plav, Podgorica, Brajici-Budva, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Coplipo, Yallinar, Cerro Paranal, Ovalle, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Vri Vrincoiaia, Istrita, Muntele Rosu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Peshkopia, Bajram Curri, Istrita, Shkodra, etc.

NEIC 14 06:53:28.6, 102.84S:77.11W, h50km, 8km, mb4.6/9, Error ellipse: s-maj=14.0km s-min=4.8km az=64.0

NEIC 14 06:53:28.6, 12.80S:77.10W, h50km, mb4.7, Ms4.8, Msz4.8

IDC 14 06:53:28.2, 4.6, 12.78S:76.86W, h91km, 40km, mb3.9/11, mb1.4/0.13, mb1mx4.0/16, MS4.3/11, Ms1.4.3/11, ms1mx4.2/14, Error ellipse: s-maj=39.3km s-min=18.2km az=49.0

ISC 14 06:53:27.4, 1.3, 12.85S:0.07x77.1W-0.1, h57km, 11km of, n65, -084/59, mb4.4/21, MS4.2/3, Near coast of

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

NEIC 14 06:17:42.2, 41.70N:20.28E, h7km, MD2.2(PDG), After PDG

PDG 14 06:17:42.0, 3.1, 70N:20.28E, h7km, 11km

ISC 14 06:17:43.0, 1.0, 41.80N:0.04-20.15E-0.04, h7km, n13, c128/27, 1C-1D, Albania

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Peshkopia, Shkodra, Bajram Curri, Ulcinj, Plav, Podgorica, Brajici-Budva, etc.

GUC 14 06:45:10.2, 0.7, 27.36S:69.27W, h82km, ML4.0, 1C-2D, Northern Chile

NEIC 14 06:53:00, 36.70N:141.30E, h41km, Mw3.7 Best double couple: Ms3.37x10^14 NP1=35, s85, -7.7. NP2: e=304, delta lambda=160

IDC 14 06:53:00, 7.5, 8.36, 63N:141.43E, h31km, 44km, mb3.3/4, mb1.3/7, mb1mx3.5/20, ML3.6/3, Error ellipse: s-maj=40.8km s-min=17.2km az=99.0

JMA 14 06:53:01.2, 0.1, 36.69N:141.28E, h46km, 22km, M3.8

NEIC 14 06:53:02, 1.2, 36.61N:141.39E, h44km, 22km, Error ellipse: s-maj=49.7km s-min=16.3km az=87.0

ISC 14 06:52:57.8, 1.0, 36.66N:0.03-141.52E-0.06, h28km, 6km, n19, c109/29, mb3.6/4, 3D, Near east coast of eastern Honshu

Table of astronomical observations including columns for Code, Station Name, Az, Az', Phase ID, Time, Res, and various observation codes. Entries include JHU, JOD2, JAG, JRY, etc.

MOS 14 07:21:51.3, 1.0, 36.66N; 137.41E, h266km, mb4.0/1, Error ellipse: s-maj=42.1km s-min=18.0km az=95.3

JMA 14 07:21:52.0, 1.0, 36.54N; 137.28E, h260km, 1km, M3.2, NEIC 14 07:21:52.0, 1.0, 36.61N; 137.21E, h260km, 7km, mb4.3/2

ISC 14 07:21:51.2, 0.3, 36.59N; 137.26E, h266km, 2km, n35, c05f68/45, mb3.6/9, 1C, Eastern Honshu

Table of astronomical observations for Eastern Honshu region, including stations like Niukaw, Matsushiro, Kaga, etc.

Table of astronomical observations for NEIC and ISC stations, including stations like JHU, ASAJ, YSS, etc.

NEIC 14 07:35:19.0, 0.35, 03N; 4.00W, MG3.6(MDD), After MDD. MDD 14 07:35:19.4, 1.2, 35.04N; 4.00W, mb3.5/14, Error ellipse: s-maj=12.2km s-min=4.6km az=13.0, PRXIMO

INMG 14 07:35:20.9, 1.3, 34.91N; 4.00W, h42km, 11km, ML2.6, Error ellipse: s-maj=6.2km s-min=3.8km az=179.0

LDG 14 07:35:22.4, 1.1, 35.12N; 4.24W, h2km, M3.6/1, M3.2/1, Error ellipse: s-maj=30.8km s-min=8.5km az=7.0

ISC 14 07:35:17.9, 0.7, 35.17N; 0.04, 4.09W; 0.03, n42, c19277/8, 1C, Strait of Gibraltar

Table of astronomical observations for various stations including EMEL, MELI, Realles, etc.

NEIC 14 07:47:34.5, 4.2, 80N; 7.20W, h6km, MN2.0(MDD), After MDD. INMG 14 07:47:34.7, 1.1, 42.81N; 7.19W, h5km, 6km, ML1.7, Error ellipse: s-maj=6.3km s-min=1.8km az=100.0

MDD 14 07:47:34.6, 0.3, 42.81N; 7.20W, mbLg2.0/8, Error ellipse: s-maj=4.7km s-min=1.6km az=109.0, PRXIMO

ISC 14 07:47:33.1, 0.7, 42.82N; 0.06, 7.19W; 0.07, h10km, 8km, n14, c092/16, Spain

Table of astronomical observations for NEIC and ISC stations, including stations like EINC, EPON, etc.

Table of astronomical observations for EARI, PVRL, etc.

MOS 14 07:51:31.8, 3.0, 49.95N; 88.02E, h15km, mb4.0/1, Error ellipse: s-maj=27.8km s-min=19.3km az=118.5

IDC 14 07:51:33.0, 1.7, 50.23N; 87.89E, mb3.1/1, mb1.3/8.4, mb1mx3.5/18, ML3.7/3, Error ellipse: s-maj=20.8km s-min=10.1km az=104.0

NEIC 14 07:51:34.3, 1.0, 50.24N; 87.96E, h10km, Error ellipse: s-maj=18.4km s-min=12.6km az=180.0

NNC 14 07:51:38.1, 6.9, 50.01N; 87.57E, h18km, 24km, mpv4.1, Error ellipse: s-maj=122.9km s-min=35.5km az=130.0

ISC 14 07:51:32.6, 2.5, 50.20N; 0.06, 88.0E; 0.1, h12km, 18km, n12, c1937/17, mb3.2/1, 4C, Southwestern Siberia

Table of astronomical observations for ZAL, MK31, etc.

BUI 14 08:09:37.9, 2.1, 62N; 143.36E, h15km, mb4.8, mb4.6, Ms4.1, Ms2.0

NEIC 14 08:09:38.7, 0.4, 21.56N; 143.11E, h10km, mb4.4/7, Error ellipse: s-maj=15.1km s-min=11.4km az=90.0

MOS 14 08:09:42.1, 1.2, 21.87N; 143.15E, h33km, mb4.9/3, Error ellipse: s-maj=14.2km s-min=14.3km az=124.3

IDC 14 08:09:42.1, 7.6, 21.54N; 143.22E, h33km, 57km, km3/9, 12, mb4.1/13, mb1mx4.1/19, ML4.2/1, MS3.6/5, Ms1 3.6/5, ms1mx3.2/22, Error ellipse: s-maj=23.4km s-min=17.4km az=109.0

ISC 14 08:09:38.3, 3.4, 21.56N; 0.06, 143.1E; 0.1, h17km, 23km, n12, c1910/37, mb4.2/22, MS3.6/5, 1C-ID, Mariana Islands region

Table of astronomical observations for CBIJ, JHU, MAJO, etc.

BILL Bilibino 48.67 11 N/P P 08 18 23.1 0.0

BILL comp=2.5, 0.0nm, 0.9s, mb3.5 MLR MLR 08 25 24.9 +1.4

BILL comp=2.100nm, 26.0s, M5.7 MLR MLR 08 19 04.5 -1.0

MKAR comp=2.2, 9nm, 0.7s, mb4.4, baz=92, slow=9.4, SNR=24 P 08 19 09.4 +0.4

NVS Novosibirsk 5.47 330 ePN P 07 53 03.2 +7.3

KURK Kurchatov 5.99 279f eP P 07 53 02.0 -1.2

YSS Yuzh-Sakhalins 11.13 20f P 07 24 21.5 -2.0

ASAR Alice Springs 45.84 192 P P 08 18 00.2 -1.3

ARU Aru 69.32 324f P P 08 20 46.0 -0.7

14d 10h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Earthquake Lak, Lake, Nelson, Pinedale Array, etc.

IDC 14 09:04:16.7.2.7.2.17S.136.16E.mb3.4/2,mb1 3.7/3, mb1mx3.6/10,ML3.5/1, Error ellipse: s-maj=103.0km s-min=28.6km az=80.0, Irian Jaya region

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

IDC 14 09:19:41.4.2.2.6.27S.129.48E.mb3.5/1,mb1 3.4/3, mb1mx3.4/9,ML2.7/2, Error ellipse: s-maj=126.0km s-min=31.6km az=68.0, Banda Sea

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

MAN 14 09:33:13.4, 18.85N.121.26E, h18km, mb4.4, ML3.2, MS3.0, Luzon

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Conner, Callao Caves, etc.

NEIC 14 09:51:29.8.56.46N.157.50W, h66km, ML3.8(PMR), ML3.5(AEIC), After AEIC.

IDC 14 09:51:31.8.10.0, 56.94N.157.43W, h90km, 72km, mb3.6/4, mb1 3.6/7, mb1mx3.4/22,ML3.6/3, Error ellipse: s-maj=79.1km s-min=46.8km az=31.0

ISC 14 09:51:26.8.0.5, 56.45N.0.07-157.46W.0.10, h100km, 7km, n51, c088/56, mb3.9/4, Alaska Peninsula

Large table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists many stations including Sand Point, Katmai, etc.

IDC 14 09:56:44.5.1.1, 44.39N.81.80E, mb3.6/5, mb1 3.9/8, mb1mx3.7/19,ML3.6/3, Error ellipse: s-maj=20.2km s-min=12.3km az=87.0

MOS 14 09:56:46.5.1.6, 44.28N.81.17E, h33km, mb3.7/1, Error ellipse: s-maj=41.1km s-min=15.6km az=89.0

NEIC 14 09:56:49.8.3.4, 44.36N.81.64E, h38km, 23km, mb3.5/1, Error ellipse: s-maj=37.4km s-min=25.9km az=217.0

NMC 14 09:56:49.3.4.2, 44.59N.81.43E, h17km, 20km, mpv3.6, Error ellipse: s-maj=24.1km s-min=21.7km az=15.0

ISC 14 09:56:47.4.1.0, 44.35N.0.07-81.03E.0.09, h38km, n20, c1520/27, mb3.5/5, 10C-4D, Northern Xinjiang

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

2000 MAR

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

IDC 14 10:35:27.7.1.1, 12.46N.93.88W, mb3.3/2, mb1 3.7/3, mb1mx3.5/17,ML3.8/1, Error ellipse: s-maj=226.0km s-min=135.1km az=16.0

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

ISC 14 10:35:26.8.0.8, 13.62N.0.08-93.93W.0.04, h58km, n11km, n23, c064/40, mb3.3/2, 5C-8D, Near coast of Guatemala

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

MAN 14 09:33:13.4, 18.85N.121.26E, h18km, mb4.4, ML3.2, MS3.0, Luzon

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Conner, Callao Caves, etc.

NEIC 14 09:57:46.3.36.46S.177.25E, h290km, After WEL.

WEL 14 09:57:45.9.0.4, 36.35S.177.19E, h285km, 4km, ML3.7/4, Error ellipse: s-maj=16.1km s-min=6.1km az=0.0, Off east coast of North Island

Large table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists many stations including Matakaoa Point, Urewera, etc.

IDC 14 10:19:16.7.2.0.4, 28S.141.18E, h103km, n11km, mb2.7/2, mb1 2.9/3, mb1mx2.9/8, Error ellipse: s-maj=75.2km s-min=19.2km az=104.0

ISC 14 10:19:13.4.2.5, 4.35S.0.2-141.7E.0.4, h103km, n5, c153/5, mb3.1/7, New Guinea

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

IDC 14 10:34:46.5.7.1, 7.00S.129.34E, h79km, 67km, mb3.6/3, mb1 3.9/5, mb1mx3.7/10,ML3.8/2, Error ellipse: s-maj=106.0km s-min=30.8km az=60.0

NEIC 14 10:34:49.6.0.9, 7.28S.128.52E, h100km, mb4.8/2, Error ellipse: s-maj=32.9km s-min=12.6km az=71.0

ISC 14 10:34:47.1.0.6, 7.45S.0.1-128.7E.0.3, h100km, n13, c095/18, mb3.7/3, Banda Sea

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

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

IDC 14 10:35:27.7.1.1, 12.46N.93.88W, mb3.3/2, mb1 3.7/3, mb1mx3.5/17,ML3.8/1, Error ellipse: s-maj=226.0km s-min=135.1km az=16.0

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

ISC 14 10:35:26.8.0.8, 13.62N.0.08-93.93W.0.04, h58km, n11km, n23, c064/40, mb3.3/2, 5C-8D, Near coast of Guatemala

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

MAN 14 09:33:13.4, 18.85N.121.26E, h18km, mb4.4, ML3.2, MS3.0, Luzon

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Conner, Callao Caves, etc.

NEIC 14 09:57:46.3.36.46S.177.25E, h290km, After WEL.

WEL 14 09:57:45.9.0.4, 36.35S.177.19E, h285km, 4km, ML3.7/4, Error ellipse: s-maj=16.1km s-min=6.1km az=0.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists many stations including Matakaoa Point, Urewera, etc.

IDC 14 10:57:25.1.1.2, 30.02N.138.82E, h411km, mb3.8/3, Error ellipse: s-maj=25.0km s-min=11.4km az=88.2

JMA 14 10:57:26.4.0.2, 30.11N.139.25E, h437km, 4km, M4.3 BJI 14 10:57:26.8, 29.99N.138.90E, h493km, mb4.4, mb4.6

NEIC 14 10:57:27.6.0.8, 30.08N.138.78E, h420km, 10km, mb4.1/10, Error ellipse: s-maj=13.2km s-min=6.6km az=89.0

IDC 14 10:57:27.1.0.7, 30.03N.138.86E, h413km, 7km, mb3.4/12, mb1 3.6/15, mb1mx3.5/22, Error ellipse: s-maj=14.1km s-min=8.9km az=85.0

ISC 14 10:57:26.1.0.3, 30.05N.0.03-138.97E.0.08, h424km, 4km, n62, c089/75, mb4.0/24, Southeast of Honshu

Large table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Lists many stations including Hachioji jima, Chichi jima, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, BILL Bilibino, KAKA Kakadu, ZAL Zalesovo, etc.

GUC 14 11:24:27.4,0.8,29.68S,68.60W,h140km,MD3.4,ML3.8,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like TLL Tololo Astrono, YACH Vallendar, etc.

FUNV 14 11:16:14.7,6.65N,73.18W,h171km,MD3.7,1C,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like CAPV Capacho, VIVR Villa del Rosa, etc.

NEIC 14 11:29:36.7,37.05N,2.48E, MG3.9(MDD), After MDD,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like EMHD Djebel Mahouad, ECHR Echl Chlef, etc.

2004 MAR

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like EBER Berja, EPOB Poblet, EQES Quesada, etc.

NEIC 14 11:37:03.9,35.02N,4.00W, MG3.5(MDD), After MDD,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like EMEL Mellilla, MELI Mellilla, etc.

NEIC 14 12:30:32.6,5.4,2.60S,133.30E,mb3.5/1,mb1 3.9/3,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like EHOR Hornachuelos, EHUE Huescar, etc.

ISC 14 12:30:40.3,2.6,4.83S,109.1335E,0.2,h90km,28km,n7,

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

NEIC 14 12:30:47.6,0.7,69.15N,16.39E,h10km,MD2.6(BER),

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ASAR Alice Springs, EMUR La Murta, etc.

14d 12h

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

ISC 14 12:43:12.8,2.8,69.35N,16.45E,mb1 3.1/4,

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

ISC 14 12:43:13.1,0.7,69.04N,0.06E,17.0E,0.1,n25,019/40,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like TRO Tromso, KIF Kilpisjarvi, etc.

TAP 14 12:55:05.1,22.89N,121.42E,h19km,ML3.6

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like YON Yonaguni jima.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like HATERAMA Jima, IRIOTE-FUNAU, KURO-SHIMA, etc.

IDC 14 13:11:12.8±3.0, 69.38N±16.42E, mb1 3.0/3, mb1mx2.9/18, ML2.8/3, Error ellipse: s-maj=42.7km s-min=10.8km az=145.0

NEIC 14 13:11:14.7±0.7, 69.19N±16.39E, h10km, ML1.7(BER), Error ellipse: s-maj=11.9km s-min=6.3km az=131.0

HEL 14 13:11:15.0±0.3, 69.18N±16.50E, ML1.9, MD2.1(BER), ML1.6(BER), Explosion

BER 14 13:11:16.9±3.5, 69.05N±16.70E, MD2.1, ML1.6, ML1.6(NAO), Explosion

NAO 14 13:11:18.3±4.3, 69.17N±16.94E, h26km, 44km, ML1.6

ISC 14 13:11:14.0±0.8, 68.58N±16.97E, 0.1, n22, c1935/32, Northern Norway

Main station list for Northern Norway with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes Tromso, Kilpisjärvi, Lofoten, etc.

NEIC 14 13:23:47.1±1.1, 13.54N±91.35W, h44km, 13km, MD4.3(MEX), Error ellipse: s-maj=19.5km s-min=12.3km az=211.0

MEX 14 13:23:51.2±0.4, 13.66N±91.69W, h20km, 195km, MD4.4

CASC 14 13:23:51.4±2.0, 13.85N±91.28W, h20km, 8km, MD3.8, ML4.3

IDC 14 13:23:55.7±4.2, 14.78N±90.49W, h84km, 47km, mb3.1/1, mb1 3.6/3, mb1mx3.2/17, ML4.0/2, Error ellipse: s-maj=197.0km s-min=34.7km az=43.0

ISC 14 13:23:49.2±0.6, 13.82N±10.06E, 9.48W±0.04, h57km, gkm, n39, c092/54, mb3.4/1, 5C-9D, Near coast of Guatemala

Main station list for Guatemala with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes Jato, Fuego, Terravera, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes Mina Array Bea, Wau, Chiang Mai, etc.

Main station list for Northern Norway (continued) with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes Tromso, Kilpisjärvi, Lofoten, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes Stephens Creek, Warramunga Arr, AS12, etc.

Main station list for Northern Norway (continued) with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes Tromso, Kilpisjärvi, Lofoten, etc.

Main station list for Northern Norway (continued) with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes MSF, APAA, APAA, etc.

IDC 14 13:42:57.0±1.9, 27.71N±88.70E, mb3.6/4, mb1 3.7/6, mb1mx3.6/15, ML3.4/2, Error ellipse: s-maj=123.0km s-min=22.3km az=61.0

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes Gangtok, Shillong, Chiang Mai Arr, etc.

IDC 14 14:06:11.6±1.9, 1.95S±100.09E, mb3.6/5, mb1 3.8/5, mb1mx3.8/12, Error ellipse: s-maj=93.1km s-min=20.8km az=55.0

NEIC 14 14:06:25.0±1.0, 1.62S±100.60E, h100km, Error ellipse: s-maj=46.8km s-min=14.5km az=60.0

DJA 14 14:06:25.0±1.0, 1.62S±100.60E, h100km, Error ellipse: s-maj=10.0km s-min=0.0km az=0.0

Main station list for Northern Norway (continued) with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes Padang Panjang, Gunungsitoli, etc.

MOS 14 14:07:55.2±1.2, 10.23S±34.15E, h10km, mb4.6/12, Error ellipse: s-maj=23.2km s-min=9.7km az=84.4

NEIC 14 14:07:56.2±0.3, 10.40S±34.43E, h10km, mb4.9/19, Error ellipse: s-maj=11.8km s-min=6.5km az=109.0

BUI 14 14:07:56.2±10.40S±34.40E, h10km, mb5.0, mb4.7, Ms4.5, Ms24.6

HRVD 14 14:07:56.2±0.8, 10.08S±34.35E, h29km, 1km, MW4.8/34, Centroid moment Tensor Solution. LP body waves: s13,c15; Mantle waves: s34,c42; Half duration: 0 Moment tensor: Scale 10^19N; Mr=1.94±26; Mw=0.13±16; 16±0.07±17; Mw=0.70±29; Mw=0.01±13; Mw=0.26±22; Best double couple: M2=1.8x10^16 NP1=162; s44=1.1x10^17; NP2=18; s52=1.66; Principal axes: T2.09, Plg4; Azm91; N.1, Plg19; Azm182; P-2.2, Plg71; Azm350; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

IDC 14 14:08:00.5±0.9, 10.14S±34.39E, h27km, 3km, mb4.0/10, mb1 4.2/11, mb1mx4.2/16, ML5.0/1, MS3.9/8, Ms1 3.9/8, ms1mx3.8/16 Error ellipse: s-maj=31.0km s-min=21.3km az=141.0

ISC 14 14:07:57.0±0.4, 10.40S±36.34E, 0.07, h27km, h27km, 1.0km, p-P, n76, c095/69, mb4.6/31, MS4.0/11, 3C-12, Malawi

Main station list for Northern Norway (continued) with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes Lusaka, Mboko, Tsumeb, etc.

Table of station data for the left column, including station names like SOC, KIV, ANN, and various coordinates and parameters.

Table of station data for the middle column, including station names like BOD, YKA, ILAR, PDAR, and various coordinates and parameters.

Table of station data for the right column, including station names like KAKA, WRA, AS12, and various coordinates and parameters.

Centroid moment Tensor Solution. LP body waves: s69,c133,Mantle waves: s76,c160; Half duration: 1.5 Moment tensor: Scale 1017Nm; M=1.7e+03; M30-0.04+0.03; M0-1.72+0.3; M00-0.42+0.09; M00-0.53+0.02; M20-2.26+0.09; Best double couple: M2-93x1017 NP1: 0.201, 0.199, 0.999, 0.129, 0.161, 0.187. Principal axes: T2.88, Plg64, Azm277; N. 1, Plg3, Azm13; P-2.98, Plg26, Azm104; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. NEIC 14 15:50:34.5-0.2, 32.293x178.37V, h10km, mb5.1/25, MS5.5/105, MW5.6 Error ellipse: s-maj=9.6km s-min=6.4km az=14.0 Moment Tensor Solution. s19 Moment tensor: Scale 1017Nm; M=0.88; M30-0.04; M0-0.65; M01.67; M00.95; M2.49; Best double couple: M3.1x1017 NP1: 0.129, 0.161, 0.187. Principal axes: T3.66, Plg47, Azm310; N-1.14, Plg15, Azm203; P-2.52, Plg39, Azm101; IDC 14 15:50:35.8-3.1, 32.595x178.34V, h23km, mb4.7/8, mb1.4/9/10, mb1mx4.8/13, ML4.6/2, MS5.1/7, MS1.5/1/7, ms1mx4.8/19 Error ellipse: s-maj=35.0km s-min=15.6km az=155.0

MOS 14 15:50:37.3-1.7, 32.385x178.33V, h33km, mb5.5/19, MS5.3/11, Error ellipse: s-maj=20.0km s-min=14.4km az=57.0

ISC 14 15:50:39.8-0.9, 33.055x-178.40W-0.07, h75km, gmkm, n369, c128/1164, mb4.9/35, 19C-8D, South of Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Lists various seismic stations including PUKETI, Urewera, Manawaha, Waipua Caves, etc.

Table with columns: WRA, Comp, Azimuth, Phase ID, Time, Res, ISC. Lists various seismic wave types and stations such as FORT, WAKE, MUN, MBWA, GSPA, etc.

Table with columns: NEN, MDJ, DL2, TPH, NWA, KLBR, WAKE, MUN, MBWA, GSPA, etc. Lists various seismic stations and wave types with associated data.



Table with columns for station call letters, frequency, power, and other technical details. Includes stations like WMOK, ILAR, BILLS, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like EKS2, WVL, BBSR, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like NOA, AQB, FOO, etc.

Technical notes and coordinates: IDC 14 16:23:49.2, 10.18.68S x 12.50W, mb4.211, mb1 4.3/11, mb1mx4.3/15, Error ellipse: s-maj=38.9km s-min=17.7km az=147.0











Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HIA Hailar, ENH Enshi, ULN Ulanbaatar, MA2 Magadan, ZAK Zakamensk, CMAR Chiang Mai Arr, BILL Bilibino, LSA Lhasa, KKN Kakani, DNN Gorkha, KURK Kurchatov, DANN Dangsing, KOLL Koldanda, CHKZ Chkalovo, BVAR Borovoye Array, BRVK Borovoye Array, KKR Karatay Array, MCK McKinley, MCK McKinley, WB2 Warramunga Arr, WRA Warramunga Arr, ILAR Eielson Array, HYB Hyderabad, ARU Arti, AS12 Alice Springs, ASAR Alice Springs, INK Inuvik, INK Inuvik, STKA Stephens Creek, ARCES ARCES Array B, YKA Yellowknife Arr, YKA Yellowknife Arr, FINES FINES Array B, YBH Yreka Blue Hor 7455 50, NOA NORSTAR Array B, HLID Hailey, NVAR Mina Array Bea, FRB Froebisher Bay, FRB Froebisher Bay, HWUT Hardware Ranch, BW06 Boulder Array, PSDR Pineade Array, MU Marysvalde, NEN Nelson, SRU San Rafael, TXAR Lajitas Array, LPAZ La Paz.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KNZ Katohu, PNZ Pawanui, PWZ Black Stump Fm, BKZ Black Stump Fm, NOZ North Gisborne, TSZ Takapari Road, MWZ Matawai, URZ Urewera, MXZ Tukino, WHZ Whakaora, KAVZ Karewarewa, RATZ Rangitukia, KATZ Kagaramoa, NGZ Ngauruhoe, DRZ Dome Shelter, BFZ Birch Farm, FWZ Far West T-bar, WTVZ West Tongariro, TUWZ Tutuakahi, PATZ Paeroa, WPVZ Whakapapa, TAZ Tararua, MGZ Maungakau, EDZ Edgecumbe, MKRZ Makareti, PUZ Puketiti, VRZ Vera Road, MZ Matakaoa Point, HIZ Hauiti, RAEZ Rainy Point, CAW Cannon Point, SNZ South Karori, NNZ Nelson, THZ Teahouse, KHZ Kahutara, LTZ Lake Taylor, MQZ McQueen's Vall, ODO Otahua Downs.

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, ILAR Eielson Array, BVAR Borovoye Array, INK Inuvik, ARCES ARCES Array B, FINES FINES Array B, MAN 14 19:15:47.3, 11.28N:122.61E, h23km, mb4.3, ML3.2, MS2.9, 1D, Panay.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KALP Kalibo, GUIM Jordan, GUIM Jordan, OTRP Odiangan, OTRP Odiangan, CUYO Cuyo Island, SJMP San Jose, SJMP San Jose, OLP Ormoc, BOAC Boac, BOSAC Coron, ENPP El Nido, JMA 14 19:18:23.9, 9.92N:139.98E, h15km, 1km, M3.7, Broadband fault plane solution: P waves, NPT<sub>1</sub>φ<sub>332</sub>, δ44°, Δ61°, NP2<sub>e</sub>186°, δ51°, λ113°. Principal axes: T P1<sub>g72</sub>, Azm158°; N P1<sub>g18</sub>, Azm351°; P P1<sub>g4</sub>, Azm260°; JMA Felt II J1, ISC 14 19:18:23.1, 0.7, 39.92N:0.04:139.93E:0.07, h24km, 6km, n7, 0.056/13, 2C-3D, Near west coast of eastern Honshu.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JOG2 Oga 2, JYV Yuwa, JAH Hinai, JIYU Iwasaki, JIYU Iwasaki, JRG Rokugo, JYK Katsuyama, MAT Matsuyoshi, BUJ 14 19:24:03.9, 25.17N:98.57E, h8km, ML3.5, Myanmar-China border region, CHRT Chiengrai, CHG Chieng Mai, CHG Chieng Mai, NANT Nan, NEIC 14 19:27:18.0, 4.0, 17.59S:70.14W, h130km, 11km, mb3.9/2, Error ellipse: s-maj=16.0km s-min=12.1km az=46.0, ISC 14 19:27:02.6, 6.8, 17.41S:70.05W, h138km, 45km, mb3.7/2, mb1.3/8.3, mb1mx3.4/1.3, Error ellipse: s-maj=86.1km s-min=42.8km az=26.0, ISC 14 19:27:17.8, 0.7, 17.65S:0.08:70.11W:0.07, h133km, 10km, n8, 0.151/14/11, mb3.6/3, 2D, Near coast of Peru, ARE Arequipa, ARE Arequipa, LPAZ La Paz, LPAZ La Paz, LVC Limon Verde, LVC Limon Verde, LVC Limon Verde, LVC Nana, BDBF Brasilia, PLCA Paso Flores, YKA Yellowknife Arr, YKA Yellowknife Arr.

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, STKA Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr, ILAR Eielson Array, ARCES ARCES Array B, GERES GERES Array B, NEIC 14 19:36:48.9, 1.9, 32.35S:177.31W, h10km, mb4.2/1, Error ellipse: s-maj=41.6km s-min=21.6km az=109.0, ISC 14 19:36:48.5, 3.2, 32.31S:177.50W, mb3.7/2, mb1.4/0.3, mb1mx3.8/12, ML3.6/1, MS3.6/2, Ms1.6/2, ms1mx3.2/18, Error ellipse: s-maj=76.0km s-min=37.3km az=119.0, ISC 14 19:36:49.6, 5.4, 32.45S:0.2:177.7W, 0.8, h10km, n6, 0.024/5, mb3.8/3, MS4.2/1, South of Kermadec Islands, URZ Urewera, URZ Urewera, URZ Urewera, ASAR Alice Springs, WRAB Tennant Creek, WRA Warramunga Arr, BBB Bella Bella, FINES FINES Array B, BUJ 14 19:43:16.2, 23.46N:94.07E, h54km, mb4.4, mb4.2, Ms3.7, Ms2.7, NEIC 14 19:43:17.9, 1.2, 23.51N:94.07E, h43km, 11km, mb4.2/3, Error ellipse: s-maj=16.9km s-min=8.1km az=56.0, ISC 14 19:43:18.6, 3.9, 23.69N:94.32E, h41km, 35km, mb4.0/14, mb1.4/1/16, mb1mx3.9/20, ML3.8/1, Error ellipse: s-maj=52.7km s-min=13.7km az=55.0, ISC 14 19:43:15.9, 0.7, 23.45N:0.06:94.09E:0.06, h38km, 7km, n47, 0.130/48, mb4.2/16, 1C-ID, Myanmar-India border, IMP Imphal, IMP Imphal, AGT Agartala, AGT Agartala, SHL Shillong, SHL Shillong, CHG Chiengrai, CHG Chieng Mai, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, LSA Lhasa, BDT Bhumbold Dam, GUN Gumba, PKI Pulchoki, KKN Kakani, DMN Daman, GKN Gorkha, KOLL Koldanda, ENH Enshi, QIZ Qionghong, ULHL Ulhal, TKM2 Tokmak 2, UCH Uchter, KBK Karagaybulak, AAK Ala-Archa, MKAR Makanchi Array, MKAR Makanchi Array, AML Almayashu, EKS2 Erkin-Say, USP Oспенovka, USP Oспенovka, KURK Kurchatov, ZNL Zelenokuznetsk, BVAR Borovoye Array, BVAR Borovoye Array, BRVK Borovoye, TIXI Tiksi, WRA Warramunga Arr, FINES FINES Array B, ASAR Alice Springs, ARCES ARCES Array B, ARCES ARCES Array B, SPAC Spratsbergen Arr, HFS Hagfors, NB2 NORSTAR Subarra, NOA NORSTAR Array B.

Table with columns: Station Name, Code, Station Name, Δ° AZ', Phase ID, Time Res, h m s, ISC. Contains data for GERES, LSZ, INK, FRB, FXR, TRB.

JMA 14 19:52:30.0:0.4, 32.05N-137.98E, h399km, 4km, M3.8
IDC 14 19:52:32.0:0.7, 31.38N-137.94E, h379km, 7km, mb3.2/11, m-1 3.3/13, mb1mx3.2/22, Error ellipse: s-maj=17.7km, s-min=10.1km az=82.0

NEIC 14 19:52:33.2:0.8, 32.08N-137.85E, h382km, 6km, mb3.7/2, Error ellipse: s-maj=13.7km, s-min=10.6km az=110.0
ISC 14 19:52:31.3:0.4, 32.00N-105.137.98E, 0.07, h385km, 3km, n40, c#82/50, mb3.6/16, Southeast of Honshu

Main station list table for the first section, including stations like JHU, JHUJ, JHJZ, JHJZ, JHJZ, JHJZ, etc.

SOF 14 20:01:59.7, 39.52N-23.55E, h20km, MD2.5
NEIC 14 20:01:59.8, 39.47N-23.58E, h4km, MD3.1/4

ATH 14 20:01:59.8, 39.47N-23.58E, h4km, MD3.1/4
The 14 20:02:01.3, 39.53N-23.43E, h7km, ML2.6
ISC 14 20:02:00.5:0.5, 39.52N-103.03, 23.44E, 0.04, h8km, 6km, n26, c#16/33, Aegean Sea

Main station list table for the second section, including stations like XOR, NEO, PAIG, PAIG, etc.

IDC 14 20:02:30.9:6.4, 30.91S-179.01W, mb3.5/2, mb1 3.8/2, mb1mx3.7/10, Error ellipse: s-maj=257.0km, s-min=59.7km az=156.0, Kermadec Islands region

Main station list table for the third section, including stations like URZ, ASAR, WRA, FINES.

GUC 14 20:12:38.9:1.0, 32.34S-69.92W, h136km, 0.8, MD3.6, ML4.0

ISC 14 20:12:39.7:0.6, 32.35S-0.03, 70.01W, 0.08, h136km, n27, c#60/47, 8C-10Z, Chile-Argentina border region

Main station list table for the fourth section, including stations like JACH, JACH, JACH, JACH, etc.

NNC 14 20:29:40.6:3.9, 50.26N-87.13E, h12km, 17km, mpv3.6, 9C-4D, Error ellipse: s-maj=27.7km, s-min=15.3km, az=83.0, Southeastern Siberia

Main station list table for the fifth section, including stations like MK31, MK31, MK31, MK31, etc.

BUI 14 20:58:51.3, 17.52S-178.36W, h547km, mb4.5, mb4.5
SYO 14 20:58:52.0:1.1, 17.89S-178.55W, h551km, MB4.7

NEIC 14 20:58:52.0:1.1, 17.89S-178.55W, h551km, 13km, mb4.7/34, Error ellipse: s-maj=8.8km, s-min=6.0km, az=137.0

IDC 14 20:58:52.0:1.1, 18.11S-178.52W, h568km, 22km, mb4.1/13, mb1 4.4/13, mb1mx4.3/16, Error ellipse: s-maj=17.7km, s-min=9.6km az=133.0

ISC 14 20:58:53.3:1.6, 17.94S-0.07, 178.63W-0.07, h579km, 20km, n116, c#68/93, mb4.6/44, 13Z, Fiji Islands region

Main station list table for the sixth section, including stations like DZM, DZM, DZM, DZM, etc.

WRA 56m, 0.8s, mb5.1, baz=96, slow=6.8, SNR=687

Main station list table for the seventh section, including stations like AS12, ASAR, ASAR, ASAR, etc.



Table with 5 columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BGF, TCF, Les Rejoudoux.

NEIC 14 22:28:56.4±2.0, 51.51N±16.12E, h5km, ML2.7(VIE), ML2.2(BRG), Error ellipse: s-maj=23.0km s-min=6.8km az=216.0

PRU 14 21:28:57.5, 51.46N, 16.09E

WAR 14 21:28:57.5, 51.49N, 16.10E, ML2.7, Mining Induced

ISC 14 21:28:55.6±0.7, 51.44N±0.04, 16.06E±0.04, n20, o192/144, 1C, Poland

Main station list table for the first section, including stations like KSP, UPC, PRU, MORC, etc.

KRSC 14 22:12:51.8±0.5, 49.95N±156.94E, h48km±39km, ML3.8, Kuril Islands

Table with 5 columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SKR, PAV, RUS, etc.

NEIC 14 22:19:34.7, 43.08N±0.48W, h2km, ML2.2(STR), ML1.9(LDG), MN1.5(MDD), After LDG.

LDG 14 22:19:34.7±0.1, 43.08N±0.48W, h2km, Md2.2, M1.9/3, Error ellipse: s-maj=1.1km s-min=0.7km az=109.0

STR 14 22:19:35.0±0.2, 43.11N±0.43W, h2km, 1km, ML2.2, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

MDD 14 22:19:35.4±0.3, 43.09N±0.46W, mBgL1.4/1.0, Error ellipse: s-maj=3.4km s-min=1.8km az=4.0, PRXIMO

ISC 14 22:19:33.4±0.4, 43.16N±0.03, 0.43W±0.03, n20, o199/90/30, Pyrenees

Main station list table for the second section, including stations like REYF, ATE, ETSF, etc.

Table with 5 columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ETOR, EMOS, EMOS.

MEX 14 22:27:17.8±1.4, 17.83N±98.32W, h56km±16km, MD4.1

NEIC 14 22:27:17.4, 17.84N±98.32W, h65km, MD4.0(MEX), After MEX.

ISC 14 22:27:15.2±0.8, 17.83N±0.04, 98.31W±0.03, h70km±21km, n17, o495/30, Guerrero

Main station list table for the third section, including stations like YAIG, PLIG, ISM, etc.

IDC 14 22:30:04.1±8.9, 0.45N±122.41E, h132km±91km, mb3.3/3, mb1.3/4/3, mb1mx3.3/12, Error ellipse: s-maj=216.0km s-min=20.8km az=61.0

NEIC 14 22:30:05.9±1.2, 0.33N±122.25E, h150km, mb4.1/1, Error ellipse: s-maj=55.8km s-min=19.4km az=68.0

ISC 14 22:30:04.3±1.2, 0.4N±0.2, 122.4E±0.4, h150km, n8, o537/8, mb4.0/7, Minahassa Peninsula, Sulawesi

Main station list table for the fourth section, including stations like MBWA, WRA, ASAR, etc.

TAP 14 22:36:44.6, 23.83N±122.56E, h8km±1km, ML3.0

JMA 14 22:36:44.7±0.3, 23.92N±122.83E, M3.0

ISC 14 22:36:43.7±2.4, 23.91N±0.09, 122.7E±0.1, h8km, n6, o544/10, Taiwan region

Main station list table for the fifth section, including stations like YOJ, HATJ, etc.

NIED 14 22:38:00.37, 60N±138.40E, h11km, Mw4.6, Best double couple: Mb8.87x10^15 Np1±0.50°, 855°, λ76°. NP2±0.193°, 837°, λ109°.

JMA 14 22:38:03.6, 37.65N±138.39E, h24km±1km, M4.7, Broadband fault plane solution: P waves. Np1±0.176°, 839°, λ85°. NP2±0.3°, 851°, λ94°. Principal axes: T P1g83°, Azm297°; N P1g3°, Azm180°; P P1g6°, Azm90°.

JMA Felt J1 J1, MOS 14 22:38:03.9±1.1, 37.68N±138.26E, h39km, mb4.9/15, Error ellipse: s-maj=12.6km s-min=5.4km az=96.9

NEIC 14 22:38:06.5±0.6, 37.56N±138.28E, h41km±6km, mb4.8/31, Error ellipse: s-maj=5.5km s-min=5.3km az=116.0

NEIC Recorded [3 JMA] on Sadoga-shima and Niagata; [2 JMA] in Fukushima, Gumma and Ibaraki; [1 JMA] in Nagano, Tochigi, Toyama and Yamanaga Prefectures.

BUI 14 22:38:06.5, 37.60N±138.30E, h41km, mb4.7, mb4.5, Ms4.4, Msz4.3

IDC 14 22:38:07.3±2.2, 37.61N±138.16E, h45km±21km, mb4.2/18, mb1.4/4/21, mb1mx4.3/24, ML3.6/3, MS3.7/6, Ms1.3/7.6, ms1mx3.5/23, Error ellipse: s-maj=15.9km s-min=13.5km az=115.0

ISC 14 22:38:03.3±0.4, 37.63N±0.02, 138.35E±0.03, h27km±2km, h25km±1.3km±pp-P, n142, o180/159, mb4.7/54, MS4.0/13, 12C-8D, Near west coast of eastern Honshu

Main station list table for the sixth section, including stations like JIZZ, JSD, JND, etc.

Table with 5 columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KS15, YUK, YUK, YUK.

YSS Yuzh-Sakhalins 9.87 18f eP S P 22 40 26.0 -0.6

YSS comp=Z,30nm,1.0s P Smax 22 42 20.0 +2.5

YSS comp=N,900nm,12.0s MRL MLR

YSS comp=Z,17m,12.0s MRL MLR

YSS Yuzh-Sakhalins 9.87 18 eP S P 22 40 27.0 +0.4

KLR Kul'dur 12.54 340 eP P MLR 22 41 05.0 +2.2

BJJ Beijing 17.44 285 P P 22 42 08.9 +2.6

BJJ comp=Z,16nm,0.8s S AMB 22 45 26.9 +9.3

BJJ comp=N,225nm,12.2s LR LR

BJJ comp=E,550nm,12.7s LR LR

BJT Baijittuau 17.44 285 eP P 22 42 08.7 +2.4

BJT comp=Z,18nm,1.0s Pmax Pmax

HIA Hailar 17.77 317 eP P 22 42 13.2 +2.9

HIA comp=Z,7.0nm,0.9s Pmax Pmax

PET Petropavlovsk 20.88 36 eP S 22 42 53.8 +8.1

MA2 Magadan 23.36 16 eP S 22 43 10.0 -0.2

MA2 comp=Z,10.0nm,1.0s,mb4.2 MRL MLR

MA2 Magadan 23.36 16 eP S 22 43 09.8 -0.5

ENH comp=Z,16nm,1.0s,mb4.4 P 22 43 24.5 -1.6

ULN Ulanbaatar 25.00 304 eP P 22 43 25.6 -0.6

ULN comp=Z,8.0nm,1.0s,mb4.2 Pmax Pmax

ULN Ulanbaatar 25.00 304 eP P 22 43 25.6 -0.6

ULN comp=Z,8.4nm,1.0s,mb4.2 Pmax Pmax

Yakutsk 25.01 350 eP P 22 47 01.3 -0.5

YAK comp=Z,8.0nm,1.0s,mb4.2 Pmax Pmax

YAK comp=N,7.0nm,1.1s Pmax Pmax

BOD Bodaibo 25.75 329 eP P 22 43 30.4 -2.7

ZAK Zakamensk 27.98 308 eP P 22 43 52.0 -1.7

BILL Bilibino 34.18 18 eP Pmax 22 44 50.0 -1.2

BILL comp=Z,6.0nm,1.1s,mb4.4 MRL MLR

BILL comp=Z,100nm,17.0s,MS3.6 P 22 44 47.2 -3.1

TIXI Tiksi 34.44 355 eP S 22 52 28.3 +1.2

TIXI comp=Z,8.1nm,14.0s,MS3.6 MRL MLR

TIXI Tiksi 34.44 355 eP P 22 44 48.8 -1.5

CMAR Chiang Mai Arr 39.32 252 P P 22 45 30.4 -1.6

CMAR comp=Z,50nm,20.1s,MS3.3,baz=55,slo=35 Zalesovo 39.71 312 eP S 22 45 33.2 -1.7

ZAL comp=Z,0.8nm,0.8s,baz=277,slo=7.7,SNR=6.8 P 22 47 40.5 -1.3

ZAL comp=Z,2.6nm,1.1s,baz=293,slo=1.9,SNR=6.4 P 23 02 18.0

SHL Shillong 40.99 267 P P 22 45 40.0 -0.6

TNA Tin City 41.55 30 eP P 22 45 49.8 0.0

MKAR Makanchi Array 41.73 301 P P 22 45 50.5 -0.9

MKAR comp=Z,1.5nm,0.8s,mb3.7,baz=89,slo=9.7,SNR=16 Pmax Pmax

MKAR comp=Z,1.8nm,0.8s,baz=76,slo=5.0,SNR=6.8 P 22 47 47.4 -0.9

MKAR comp=Z,98nm,18.0s,MS3.7,baz=91,slo=35 P 23 02 07.1

MKAR Makanchi Array 41.73 301 P P 22 45 50.5 -0.9

MKAR comp=Z,1.2nm,0.7s,mb4.8 Pmax Pmax

MKAR Kurchatov 43.63 307 eP P 22 46 04.9 -2.1

GUN Gumba 44.67 273 eP P 22 46 15.4 -0.3

KKN Kakanai 45.20 274 eP P 22 46 19.4 -0.5

Table of station data for the first section, including columns for RES, RES, comp, and various station names like Joensuu, Yellowknife, etc.

Table of station data for the second section, including NEIC and MDD coordinates and station names like Alcoutim, El Granado, etc.

Table of station data for the third section, including EMAS, EBEN, EBEN, EPON, etc., and coordinates for NEIC and MAN stations.

Table with columns: Code, Station Name, Azimuth, Phase, Op, IS, Time, Res. Includes stations like RORO, La Forest Royal, Ceresole Reale, La Plagne, etc.

IDC 14 22:50:27.6±11.0, 9.775x155.81E, mb3.4/3, mb1 3.7/3, mb1mx3.6/11, Error ellipse: s-maj=262.0km s-min=52.8km az=105.0, D'Entrecasteaux Islands region

Table with columns: Code, Station Name, Azimuth, Phase, Op, IS, Time, Res. Includes stations like WRA, ASAR, CMAR, etc.

NIED 14 23:18:00, 30.40N, 131.60E, h20km, Mw3.7, Best double couple: M0.45x10^14 NP1.3x205, 649, -i, -103. NP2: 7.45, -842, -75

JMA 14 23:19:28.0±0.1, 30.41N, 131.60E, h44km, 1km, M3.5 ISC 14 23:18:29.0±0.1, 30.43N, 131.59E, 0.09, h51km, 17km, n11, c040/21, Kyushu

Table with columns: Code, Station Name, Azimuth, Phase, Op, IS, Time, Res. Includes stations like JTN, JTSR, JNAR, etc.

IDC 14 23:19:52.5±3.1, 4.74S, 135.14E, mb3.4/1, mb1 4.1/3, mb1mx4.0/9, ML3.7/2, Error ellipse: s-maj=133.0km s-min=32.5km az=79.0, Irian Jaya region

Table with columns: Code, Station Name, Azimuth, Phase, Op, IS, Time, Res. Includes stations like WB2, WRA, AS12, etc.

IDC 14 23:21:13.8±0.8, 15.84S, 172.76W, mb4.2/10, mb1 4.5/11, mb1mx4.4/16, ML4.3/1, Error ellipse: s-maj=48.1km s-min=18.1km az=142.0

NEIC 14 23:21:14.6±0.4, 16.06S, 172.60W, h10km, mb4.5/4, Error ellipse: s-maj=17.9km s-min=10.6km az=155.0

BUI 14 23:21:19.4, 15.34S, 173.48W, h10km, mb4.8, mb4.8, Ms5.1, Msz4.8

ISC 14 23:21:12.2±0.6, 16.45S, 172.55W, 0.10, h10km, n27, r+1025.1m, mb4.3/17, Samoa Islands region

Table with columns: Code, Station Name, Azimuth, Phase, Op, IS, Time, Res. Includes stations like RAR, URZ, STKA, etc.

IDC 14 23:28:26.0±0.9, 15.22S, 173.28W, mb4.0/8, mb1 4.3/8,

mb1mx4.3/14, MS4.1/9, Ms1.4/19, ms1mx3.8/26, Error ellipse: s-maj=52.6km s-min=20.3km az=140.0

NEIC 14 23:28:27.5±0.6, 15.19S, 173.37W, h10km, mb4.4/2, Error ellipse: s-maj=29.5km s-min=11.1km az=142.0

ISC 14 23:28:26.1±0.7, 15.15S, 173.4W, 0.2, h10km, n17, c0569/13, mb4.0/10, MS4.2/8, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Phase, Op, IS, Time, Res. Includes stations like RAR, URZ, STKA, etc.

NEIC 14 23:54:59.8, 35.08N, 3.87W, h13km, MG3.3(MDD), After MDD.

MDD 14 23:54:59.6±1.6, 35.17N, 3.90W, mb3.7/1, Error ellipse: s-maj=17.9km s-min=5.8km az=15.0, PRXIMO Aftershock PLICA, Strait of Gibraltar

Table with columns: Code, Station Name, Azimuth, Phase, Op, IS, Time, Res. Includes stations like EMEL, EBEB, EBEB, etc.

NEIC 15 00:33:03.9, 17.96N, 68.52W, h102km, MD3.5(RSPR), After RSPR.

RSPR 15 00:33:03.9, 17.96N, 68.52W, h102km, 3km, M3.5, 13C, Mton Passage

Table with columns: Code, Station Name, Azimuth, Phase, Op, IS, Time, Res. Includes stations like MGP, URZ, LSP, etc.

IDC 15 00:33:37.3±1.5, 3.51S, 135.90E, mb4.0/5, mb1 4.1/6, mb1mx4.0/10, ML2.8/1, Error ellipse: s-maj=70.5km s-min=31.3km az=83.0

ISC 15 00:33:53.0±1.1, 3.95S, 135.6E, 0.5, h150km, n9, c0256/8, mb3.6/4, Irian Jaya region

Table with columns: Code, Station Name, Azimuth, Phase, Op, IS, Time, Res. Includes stations like WB2, WRA, AS12, etc.

IDC 15 01:05:41.0±4.4, 57.73N, 32.85W, mb3.4/3, mb1 3.7/4, mb1mx3.4/20, ML2.2/1, MS3.3/2, Ms1 3.3/2, ms1mx2.8/16, Error ellipse: s-maj=115.0km s-min=32.5km az=176.0

ISC 15 01:05:40.5±3.5, 57.8N, 32.8E, 0.3, h2.8km, n0, c0474/4, mb3.4/3, MS3.3/1, Reykjanes Ridge

Table with columns: Code, Station Name, Azimuth, Phase, Op, IS, Time, Res. Includes stations like FRB, SCHE, YKA, etc.

DJA 15 01:13:24.6±1.0, 9.011S, 116.99E, h112km, 11km, MD4.8/3, ML4.3/3, 4C-3D, Error ellipse: s-maj=46.4km s-min=22.7km az=160.0, Sumbawa region

Table with columns: Code, Station Name, Azimuth, Phase, Op, IS, Time, Res. Includes stations like KEDI, KEDI, RATI, etc.

NEIC 15 01:44:55.6, 44.43N, 6.78E, h11km, ML2.4(GEN), ML2.0(STFR), ML1.9(LDG), After GEN.

STR 15 01:44:55.6±0.2, 44.47N, 6.86E, h5km, 1km, ML2.0, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

LDG 15 01:44:55.6±0.1, 44.44N, 6.77E, h2km, MD2.1/3, M11.9/8, Error ellipse: s-maj=1.7km s-min=0.9km az=71.0

ISC 15 01:44:54.5±0.3, 44.43N, 0.02, 6.74E, 0.03, h13km, 2km, n32, c0675/7, France

Table with columns: Code, Station Name, Azimuth, Phase, Op, IS, Time, Res. Includes stations like SURF, PZZ, PZZ, etc.

ISC 15 01:46:02.5, 39.27N, 0.03W, h11km, ML3.3(LDG), MN2.9(MDD), After MDD.

NEIC 15 01:46:02.5, 39.27N, 0.03W, h11km, ML3.3(LDG), MDD 15 01:46:02.4±0.3, 39.25N, 0.01W, h11km, mL2.9/31, Error ellipse: s-maj=3.8km s-min=2.0km az=112.0, PRXIMO I MELIANIA MASSANASSA

Table with columns: Code, Station Name, Azimuth, Phase, Op, IS, Time, Res. Includes stations like LSD, FIN, LPL, etc.

MDD 15 01:46:03.9±0.2, 39.30N, 0.01E, h10km, M13.3/7, Error ellipse: s-maj=5.2km s-min=2.6km az=153.0

ISC 15 01:45:59.4±0.4, 39.32N, 0.02, 0.14W, 0.03, h8km, 2km, n67, r+159/142, 6C-5D, Spain

Table with columns: Code, Station Name, Azimuth, Phase, Op, IS, Time, Res. Includes stations like EBEN, EBEN, EMOS, etc.

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

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

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

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like Takapari Road, Birch Farm, Mount Morrison, etc.

NIED 15 03:59:00, 36.30N, 141.80E, h14km, Mw4.7 Best double couple: Mo1.21x10^16 Np1.9x10^21, delta 87.9, lambda 92. NP2=0.189, delta 11, lambda 78.
IDC 15 03:59:52.7, 0.5, 36.23N, 141.76E, mb4.6/19, mb1 4.7/24, mb1mx4.7/26, ML4.3/5, MS4.1/4, Ms1 4.1/4, ms1mx3.7/28, Error ellipse: s-maj=16.6km s-min=12.7km az=121.0, BU 15 03:59:54.7, 36.33N, 141.58E, h17km, mb4.9, mb4.9, Ms4.6, Ms4.3
JMA 15 03:59:55.0, 0.2, 36.30N, 141.79E, h67km, mb5.0, MA 9 Broadband fault plane solution: P waves. NP1=0.272, delta 85, lambda 138. NP2=0.143, delta 74, lambda 71. Principal axes: T Plg26, Azm218; N Plg18, Azm317; P Plg57, Azm78; JMA Felt II J1.
MOS 15 03:59:57.1, 1.0, 36.30N, 141.72E, h45km, mb5.0/22 Error ellipse: s-maj=10.4km s-min=6.5km az=111.1
NEIC 15 03:59:58.1, 0.7, 36.24N, 141.75E, h36km, mb4.7/38, MS4.5/1, Error ellipse: s-maj=4.9km s-min=3.9km az=125.0
NEIC Recorded [2 JMA] in Fukushima and [1 JMA] in Chiba, Ibaraki, Miyagi and Tochigi Prefectures.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like Chosi, Hitachi, Iwakimizuishi, etc.

Main table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like ASAJ, YUK, CBIJ, JNU, etc.

Main table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like SEY, FX1, ENH, ULN, etc.

Table with columns: ARU, comp, eS, S, 04 17 34.4 +1.3, etc. Lists various stations and their parameters.

Table with columns: CLL, PRU, ZST, etc. Lists stations like Pruhonice, Bratislava, Kasperke Hory, etc. Includes a section for NEIC 15 04:02:28.4-0.7, 2.2N-0.2, 128.2E, h150km, mb4.6/3, Error ellipse: s-maj=68.8km s-min=20.8km az=76.0.

Table with columns: EVIA, Vianos, 2.00 251 Pn, etc. Lists stations like Vianos, Mallorea, San Caprasio, etc. Includes a section for NEIC 15 04:12:05.8, 39.28N-0.00W, h8km, ML2.8(LDG), MDD 15 04:12:06.1-0.4, 39.27N-0.01E, h11km, mbLg2.2/18, Error ellipse: s-maj=4.4km s-min=2.6km az=115.0.

MOS 15 04:19:37.9,0.8,2.36N,126.44E,h34km,mb5.5/32, MS4.6/11, Error ellipse: s-maj=16.5km s-min=7.6km az=107.8

BUJ 15 04:19:38.2,1.65N,126.67E,h84km,mb5.4,mb5.3,MS4.8, MSz4.7

CSEM 15 04:19:40.1,2.82N,126.42E,h33km,mb5.5

NEIC 15 04:19:41.1,1.0,2.07N,126.70E,h58km,8km,mb5.2/39, MS4.9/76, Error ellipse: s-maj=7.8km s-min=4.0km az=77.0

IDC 15 04:19:41.4,1.7,2.08N,126.62E,h59km,13km,mb5.0/18, mb1.5,1/19,mb1mx5.0/20,MS4.5/11,MS1.4,5/11, ms1mx4.4/17, Error ellipse: s-maj=15.7km s-min=7.7km az=73.0

HRVD 15 04:19:41.0,1.2,3.1N,126.68E,h35km,MW5.5/73, Centroid moment Tensor Solution. LP body waves: s73.C141; Main waves: s72.C142; Half duration: 1s3 Moment tensor: Scale 10^17Nm; Mr:1.82e+04; Mw:0.56e+04; Best double couple: Me2.04x10^17 NP1: 0e33°, 836°, 92°. NP2: 201°, 854°, 88°. Principal axes: T1.9, Plg81°, Azm114°; N.24, Plg1°, Azm212°; P-2.16, Plg9°, Azm302°; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s.

ISC 15 04:19:39.5,0.2,1.11N,0.03,126.93E,0.04,h59km,5km, h72km,1.0kmp,P,n345,r1822/265,mb5.4/93,MS4.8/96, 22C-14D, Northern Molucca Sea

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

Main table with columns: Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations and their parameters.

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





Table with columns: BINY, BINGHAMTON, 131.38, 22, PFAKE, LR, 04 39 00.0 +14. Includes stations like BINGHAMTON, MONT CHATEAU, and WESTON.

NEIC 15 04:25:15.9, 0.6, 50.45N-173.37W, h10km, mb3.8/3, ML3.2(AEIC), Error ellipse: s-maj=12.5km s-min=4.1km az=16.0

IDC 15 04:25:15.7, 1.5, 50.48N-173.15W, mb3.9/9, mb1 4.2/11, mb1mx3.9/23, ML3.4/2, Error ellipse: s-maj=41.0km s-min=14.2km az=9.0

ISC 15 04:25:16.2, 2.2, 50.46N-173.35W, 0.07, h23km, 17km, n26, 05080/31, mb3.8/12, Andreanof Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Lists stations like ATKA, GSTR, and UNV.

IDC 15 04:33:50.5, 2.1, 32.59S-178.38W, mb4.4/2, mb1 4.6/3, mb1mx4.2/11, ML4.0/1, Error ellipse: s-maj=58.1km s-min=31.6km az=127.0

ISC 15 04:33:52.1, 5.3, 32.8S-178.2W, 0.8, h33km, n11, 0527/6, mb4.3/2, South of Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Lists stations like URZ, AS12, and WRA.

Table with columns: NB2, NORSTAR Subarray, 151.07, 351, PKP, 04 53 47.0. Includes stations like NORSTAR and FINES.

IDC 15 04:53:35.2, 3.2, 32.46S-178.18W, mb4.0/2, mb1 4.2/3, mb1mx4.0/12, ML3.4/1, Error ellipse: s-maj=71.5km s-min=36.7km az=115.0

ISC 15 04:53:37.9, 5.6, 32.6S-178.1W, 0.8, h33km, n5, 0527/6, mb4.3/2, South of Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Lists stations like URZ, WB2, and WRA.

NEIC 15 04:54:47.4, 35.14N-3.83W, h13km, MG3.3(MDD), After MDD

MDD 15 04:54:47.1, 1.6, 35.23N-3.86W, mb3.6/5, Error ellipse: s-maj=18.3km s-min=5.9km az=19.0, PRXIMMO

Aftershock PLICA, Strait of Gibraltar

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Lists stations like EMEL, EBER, and EGRO.

NEIC 15 05:09:38.7, 35.39N-3.79W, MG3.5(MDD), After MDD

MDD 15 05:09:38.7, 1.1, 35.23N-3.76W, h33km, 21km, ML2.0, Error ellipse: s-maj=13.4km s-min=3.3km az=166.0

ISC 15 05:09:38.3, 0.8, 35.29N-0.04, 3.80W, 0.04, h33km, n26, 1508/7, Strait of Gibraltar

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Lists stations like EMEL, EBER, and EGRO.

IDC 15 05:28:26.9, 1.3, 54.86N-160.23W, mb3.8/6, mb1 4.1/9, mb1mx3.9/20, ML3.9/3, Error ellipse: s-maj=30.7km s-min=15.6km az=146.0

NEIC 15 05:28:31.4, 54.65N-160.07W, h9km, ML3.9(AEIC), After AEIC

ISC 15 05:29:23.1, 0.5, 54.59N-160.06, 156.96W, 0.02, h27km, 6km, n36, 0596/44, mb3.7/6, South of Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Lists stations like NAGA, SDN, and WRA.

Table with columns: PCBR, Castelo Branco, 5.40, 328, eP, P, 05 10 58.7 +0.1. Includes stations like PTOM, ERTA, and ECAL.

IDC 15 05:33:39.9, 5.6, 6.23S-117.86E, h166km, 67km, mb3.5/2, mb1 3.8/3, mb1mx3.5/11, Error ellipse: s-maj=163.0km s-min=14.3km az=46.0

DJA 15 05:13:41.4, 0.9, 7.99S-118.61E, h160km, MD4.8/3, ML4.6/3, Error ellipse: s-maj=64.4km s-min=19.5km az=170.0

ISC 15 05:13:42.5, 2.2, 7.9S-0.3, 118.3E-0.2, h201km, 27km, n9, 0569/14, mb3.7/2, 5C-3Z, Flores Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Lists stations like KEDI, RATA, and WRA.

IDC 15 05:21:55.3, 0.8, 17.26S-172.34W, mb4.3/10, mb1 4.6/11, mb1mx4.5/17, ML4.6/1, MS4.1/6, Ms1 4.1/6, ms1mx3.8/22, Error ellipse: s-maj=42.8km s-min=17.8km az=137.0

NEIC 15 05:22:01.0, 0.5, 17.60S-172.08W, h45km, mb4.8/3, Error ellipse: s-maj=18.1km s-min=10.9km az=154.0

ISC 15 05:22:00.4, 0.6, 17.3S-0.1, 172.4W, 0.2, h45km, n25, 0593/20, mb4.3/13, MS4.2/5, Tonga Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Lists stations like RAR, PPT, and WRA.

IDC 15 05:28:26.9, 1.3, 54.86N-160.23W, mb3.8/6, mb1 4.1/9, mb1mx3.9/20, ML3.9/3, Error ellipse: s-maj=30.7km s-min=15.6km az=146.0

NEIC 15 05:28:31.4, 54.65N-160.07W, h9km, ML3.9(AEIC), After AEIC

ISC 15 05:29:23.1, 0.5, 54.59N-160.06, 156.96W, 0.02, h27km, 6km, n36, 0596/44, mb3.7/6, South of Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Lists stations like NAGA, SDN, and WRA.



Table of astronomical observations for 2004 MAR, columns include station name, time, magnitude, position, and other parameters.

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Table of astronomical observations for 2004 MAR, columns include station name, time, magnitude, position, and other parameters.

ASAR Alice Springs 79.66 129 P P 08 09 36.0 +0.7
KIC Kusan Boka 80.35 271 eP P 08 09 39.5 +0.3
TIC Toumodi 80.41 271 eP P 08 09 40.1 +0.5
LIC Lamto 80.66 271 eP P 08 09 41.2 +0.3
YKWA Yellowknife Ar 81.03 6 eP P 08 09 41.6 +0.2
YKA Yellowknife Ar 81.10 6 P P 08 09 42.6 +0.4
CTA Charters Tower 85.45 119 eP P 08 10 06.3 +1.2
CTAO Charters Tower 85.45 119 eP P 08 10 06.2 +1.1
ULM Lac du Bonnet 93.71 356 P P 08 10 43.4 +0.1
NEW Newport 94.81 10 P P 08 10 49.6 +1.2
LPAZ La Paz 143.90 294 PKP PKP 08 17 01.6 +0.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Nagara, Tokyo, Odawara 2, Boso 3, Matushiro, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Chichi jima 2, Chichi jima 1, Asahikawa, etc.

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

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

15d 8h

Table of station data for 15d 8h, including columns for station name, coordinates, and various parameters like elevation and frequency.

2004 MAR

Main table of station data for 2004 MAR, listing station names, coordinates, and operational details.

314

Table of station data for 314, including station names and coordinates.

NEIC 15 08:35:22.1, 38.21N-20.23E, h4km, MD3.7(ATH), After ATH. ATH 15 08:35:22.1, 38.21N-20.23E, h4km, MD3.7/4...

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like VLS, LKD, RIOS, etc.

IDC 15 08:35:50.9, 0.9, 7.21N, 93.27E, h43km, mb3.5/m, mb1.3, 8.6, mb1mx3.7/13, ML4.1/1, MS2.9/1, MS1.3/1...

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like CMAR, VIS, MKAR, etc.

TAP 15 08:47:52.0, 23.14N-121.34E, h18km, ML3.8. TAP Felt III, J at Chengung, I, J at Yuli, J, J at Taitung...

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like CHKT, TWFI, ELDTW, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Nan Shan, Nanou, Liyutan, Sanyi, Nioudou, Suao, Sanguang, Nanjuang, Neicheng, Dunggij, Penghu, Santiao Chiao, Yonaguni jima, Wufen Shan, Hateruma jima, Iriomote-Funau, Kuro-shima, Atka Island, Unalaska Valle, Great Sitkin T, Mount Adagadk, Adak, Kanaga Island, Eielson Array, Yellowknife Ar, Asahikawa, Pinedale Array, Lajitas Array, etc.

IDC 15 09:10:00.6: 1.4, 50.21N; 147.70E, h87km, 6km, mb3.3/5, s-min=25.2km az=119.0

ISC 15 09:05:58.7: 1.2, 51.20N; 147.50E, 4.0, h87km, n7, s=123.5, mb3.5/5, Sea of Okhotsk

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Eielson Array, ILAR, YKA, YKA, YKA, NOA, NVAR, NVAR, PDAR, ASAR, TXAR, etc.

KRSC 15 09:10:59.8: 3.1, 51.54N; 153.92E, h564km, 7km, ML4.5

MOS 15 09:11:04.4: 0.6, 52.13N; 153.40E, h480km, mb3.5/2, Error ellipse: s-maj=37.6km s-min=20.3km az=48.7

IDC 15 09:11:19.8: 16.0, 49.94N; 146.79E, h436km, 185km, mb3.1/7, mb1.3/2, mb1mx3.0/18, Error ellipse: s-maj=33.3km s-min=24.2km az=109.0

ISC 15 09:11:06.8: 0.7, 51.8N; 0.1, 154.5E; 0.3, h507km, 9km, n40, s=110/60, mb3.5/5, C, Northwest of Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Pauzhetka, Severo-Kuril's, comp-Z, 80nm, 0.5s, comp-N, 120nm, 0.8s, comp-E, 100nm, 0.8s, APC, GRL, GRL, RUS, RUS, RUS, PET, PET, PET, PET, PET, PET, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like GNL, KOK, AVH, UGLR, SMAR, SDR, SDR, NLC, NLC, SPN, SPN, KII, ESO, TUMR, MKZ, MKZ, KMN, KMN, ZLN, KBG, KBG, KBT, KBT, BKI, BKI, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Novosibirsk, Makanchi Array, YKA, SPITS, FINES, NB2, NOA, WRA, ASAR, etc.

IDC 15 09:15:31.5: 2.6, 3.04S; 126.14E, mb3.5/2, mb1 3.8/3, mb1mx3.7/11, ML3.6/1, Error ellipse: s-maj=372.0km s-min=26.0km az=64.0, Buru

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

NEIC 15 09:18:12.6: 51.89N; 170.44W, h13km, ML2.9(AEIC), After AEIC.

IDC 15 09:18:37.0: 16.0, 52.22N; 164.05W, mb3.3/3, mb1 3.7/4, mb1mx3.5/18, ML3.0/1, MS2.9/1, Ms1 2.9/1, ms1mx2.3/14, Error ellipse: s-maj=305.0km s-min=42.6km az=80.0

ISC 15 09:18:11.5: 1.7, 51.9N; 0.2, 170.4W; 0.1, h54km, 19km, n13, s=088/15, mb3.2/3, MS2.8/1, Fox Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like NIKO, NIKO, ATKA, UNV, UNV, GSTR, GSTR, ADAG, ADK, KIW, ILAR, YKA, YKA, ASAJ, PDAR, TXAR, etc.

IDC 15 09:21:16.6: 2.1, 4.33S; 177.14W, mb3.7/4, mb1 4.0/4, mb1mx3.3/11, Error ellipse: s-maj=118.0km s-min=27.3km az=148.0

ISC 15 09:21:27.9: 2.2, 14.3S; 0.8, 177.3W; 0.5, h100km, n4, s=035/4, mb3.5/4, Fiji Islands region

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

NEIC 15 09:44:27.0: 16.70N; 99.60W, h10km, MD3.5(MEX), After MEX.

MEX 15 09:44:26.7: 1.1, 16.67N; 99.58W, h10km, MD3.6, Near coast of Guerrero

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

IDC 15 10:25:56.7: 1.9, 5.97N; 126.62E, mb3.5/3, mb1 3.8/3, mb1mx3.7/13, ID, Error ellipse: s-maj=153.0km s-min=27.3km az=66.0, Mindanao

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

DJA 15 10:39:18.6: 0.9, 7.45S; 115.48E, h105km, 15km, ML3.8/4, 2C-6D, Error ellipse: s-maj=32.6km s-min=11.4km az=10.0, Bail Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like KEDI, KEDI, KELI, KELI, RATI, RATI, RATI, RATI, INGI, INGI, etc.

DJA 15 11:02:47.2: 0.9, 8.56S; 116.33E, h108km, 6km, ML3.9/2, 5C-3D, Error ellipse: s-maj=31.6km s-min=15.8km az=173.0, Subbawa region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like KEDI, KEDI, RATI, RATI, INGI, INGI, KELI, KELI, etc.

NEIC 15 11:10:42.6: 1.4, 33.06S; 178.35W, h10km, Error ellipse: s-maj=31.2km s-min=15.9km az=106.0

IDC 15 11:10:42.1: 2.7, 33.01S; 178.45W, mb4.3/2, mb1 4.4/4, mb1mx4.1/12, ML3.9/2, Error ellipse: s-maj=63.8km s-min=32.0km az=115.0

ISC 15 11:10:42.7: 3.4, 33.06S; 0.09, 17.9W, h5km, 56km, n14, s=180/15, mb4.1/2, South of Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like PUZ, PUZ, NOZ, URZ, URZ, URZ, THZ, THZ, KHZ, RPZ, RPZ, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like AS12, ASAR, WB2, WRAB, WRA, KAF, FINES, etc.

IDC 15 11:11:37.3: 6.1, 30.87S; 179.40W, mb4.0/2, mb1 4.2/2, mb1mx4.0/10, Error ellipse: s-maj=237.0km s-min=61.5km az=155.0, Kermadec Islands region

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

IDC 15 11:22:51.5: 1.5, 2.87S; 144.51E, mb3.7/2, mb1 4.1/3, mb1mx3.8/10, ML3.9/1, MS3.5/4, Ms1 3.5/4, ms1mx3.3/13, Error ellipse: s-maj=118.0km s-min=26.7km az=116.0

NEIC 15 11:22:56.8: 1.1, 3.25S; 145.21E, h35km, mb4.1/2, Error ellipse: s-maj=73.3km s-min=15.6km az=118.0

ISC 15 11:22:54.7: 1.5, 3.45S; 0.4, 145.4E; 0.6, h33km, n10, s=058/0, mb3.8/3, MS3.5/3, Near north coast of New Guinea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like WRAB, WRA, WRA, WRA, ASAR, ASAR, ASAR, FITZ, ZAL, ILAR, NVAR, etc.

IDC 15 11:34:00.7: 5.5, 6.68S; 133.37E, mb3.6/1, mb1 3.7/3, mb1mx3.7/9, ML3.4/2, MS4.2/1, Ms1 4.2/1, ms1mx3.1/7, Error ellipse: s-maj=328.0km s-min=31.4km az=77.0

ISC 15 11:34:14.3: 3.5, 6.65S; 0.1, 131.4E; 0.2, h103km, 40km, n7, s=1506/10, mb3.4/1, Tanimbar Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like FITZ, WRA, WRA, WB2, AS12, ASAR, CBJ, etc.

MAN 15 12:02:57.4, 11.34N; 124.60E, h7km, mb3.9, ML2.7, MS2.3, Leyte

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like OCLP, PLP, BESP, MSLP, etc.

MOS 15 12:27:09.2: 1.1, 36.39N; 71.56E, h94km, mb4.2/3, Error ellipse: s-maj=41.4km s-min=12.8km az=97.8

IDC 15 12:27:11.3: 1.1, 36.33N; 71.63E, h97km, 92km, mb3.5/5, mb1 3.7/6, mb1mx3.5/13, ML4.2/1, Error ellipse: s-maj=65.2km s-min=28.6km az=31.0

NNC 15 12:27:20.5: 3.0, 36.92N; 70.25E, h112km, 856km, mpv4.3, Error ellipse: s-maj=837.9km s-min=470.7km az=78.0

ISC 15 12:27:11.3: 1.2, 36.33N; 0.06, 71.5E; 0.2, h120km, 12km, n35, s=120/41, mb3.7/5, 2C-3D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like THN, DLH, AML, UCH, KZA, EK2, SDNR, SDNR, AAK, KK3, KK3, KBK, SMLA, CHMS, TKM2, USP, DANM, KOLN, GKN, KKN, etc.



Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Davenport, Albuquerque, Guadalupe Moun, Enshi, Newport, McKinley, Boulder Array, Pinedale Array, College, Great Sand Dun, Elton Array, Torment, Inuvik, Yellowknife Arr, Kurchatov, Chkalovo, Borovoye Array, FINESS Array B, Monsted U'grnd, Al Lih, Bornholm Skovb, Boybat, Ujice, Kobuz, Dabur, Avonos, Kalwarja, Ojcow, Tabuk, KSP, NIE, CRVVS, Collm, Jabal Moqyreh, Duba, Ujice, Dobruska-Polom, BRC, Hendek, Panska Ves, Alw as Safalya, BDAS, HAQS, MOX, PRU, TAYS, Vytine, PSZ, MODS, ULUDAG, Grafenberg Arr, Kasperke Hory, GERES Array B, Dimbokro.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Warramunga Arr, MNA, TXAR, FINESS Array B.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Yonaguni jima, Iriomote-Funau, Hateruma jima, Kuro-shima, Ishigaki jima, Tarama.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Tupik, 26nm, 0.3s, 136nm, 0.8s.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Zeya, Yasnay, Kirovskiy, Bomnak, Khar, Chur, Ekimchan, Gornyy, Kurchatov, Borovoye Array, FINESS Array B, Monsted U'grnd, Al Lih, Bornholm Skovb, Boybat, Ujice, Kobuz, Dabur, Avonos, Kalwarja, Ojcow, Tabuk, KSP, NIE, CRVVS, Collm, Jabal Moqyreh, Duba, Ujice, Dobruska-Polom, BRC, Hendek, Panska Ves, Alw as Safalya, BDAS, HAQS, MOX, PRU, TAYS, Vytine, PSZ, MODS, ULUDAG, Grafenberg Arr, Kasperke Hory, GERES Array B, Dimbokro.

NEIC 15 13:37:28.0, 48.04N-6.51E, h15km, ML2.1(LDG), ML1.7(STR), After LDG. STR 15 13:37:28.0, 48.05N-6.50E, h10km, ML1.7, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0 LDG 15 13:37:28.0, 48.04N-6.51E, h15km, MD1.9/2, M2.1/8 ISG 15 13:37:28.0, 48.00N-6.45E, h15km, n14, 0599/27, France

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Haudompre, Hinterfaller, They Montfort, Molkenrain, Echery, Champ du Feu, Rfryf, Sefontaines, Meizieres J'vi, La Chapelle, LOR, Saint Saugle, Signal de Mont, Avf sur Loir.

ISG 15 13:41:43.4, 37.86N-27.32E, h8km, MD3.1, ML3.0. ATH 15 13:41:44.1, 37.84N-27.32E, h2km, MD3.2/3 ISG 15 13:41:44.1, 0.4, 37.85N-0.02-27.35E, h2km, n16, 01910/26, 2C, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Samos, Tasoluk, Izmir, Bornova, Milas, Kayabasi, Yerkesik, Akhisar, Manisa, Cakiroluk, Parakevi, Apeiranthos, Balikesir, Dursunbey, Orhaneli, Uludag.

ISG 15 13:45:58.1, 2.9, 5.81N-124.59E, h473km, 30km, mb3.0/5, mb1.3/2.5, mb1mx3.1/1.5, Error ellipse: s-maj=78.0km s-min=13.3km az=60.0 ISG 15 13:45:57.6, 1.0, 5.6N-0.2-124.3E, h479km, 16km, n7, 0560/7, mb3.4/5, Mindanao

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Padagian, Maasin, Warramunga Arr, Chiang Mai Arr, Alice Springs, Borovoye Array, FINESS Array B, Monsted U'grnd, Al Lih, Bornholm Skovb, Boybat, Ujice, Kobuz, Dabur, Avonos, Kalwarja, Ojcow, Tabuk, KSP, NIE, CRVVS, Collm, Jabal Moqyreh, Duba, Ujice, Dobruska-Polom, BRC, Hendek, Panska Ves, Alw as Safalya, BDAS, HAQS, MOX, PRU, TAYS, Vytine, PSZ, MODS, ULUDAG, Grafenberg Arr, Kasperke Hory, GERES Array B, Dimbokro.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Borovoye Array.

NEIC 15 13:48:03.4, 19.04N-64.31W, h25km, MD3.7(RSPR), After RSPR. RSPR 15 13:48:03.4, 19.04N-64.31W, h25km, 31km, M3.7, 10C, Virgin Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Saint Croix, Col San Antoni, Colonia Sabana, San Juan, Cerrillos, Obispo Ponce, Obispo Ponce, Lares, Las Mesas, Maguayo, Maguayo, Maguayo.

IDC 15 13:51:54.1, 2.1, 4.93S-153.37E, mb4.0/5, mb1.4/1.5, mb1mx3.9/12, Error ellipse: s-maj=77.5km s-min=27.8km az=107.0

NEIC 15 13:52:03.5, 3.6, 5.02S-153.26E, h67km, 24km, mb4.3/2, Error ellipse: s-maj=47.6km s-min=17.1km az=102.0 ISG 15 13:52:04.3, 3.6, 5.0S-0.2-153.1E, h0.4, h84km, 21km, n10, 05610/7, mb3.9/7, New Ireland region

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

MAN 15 14:26:00.8, 12.63N-124.83E, h55km, mb4.0, ML2.8, MS2.4, Samar

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Catarmar, Virac, Borongan, Palo, Maasin.

NNC 15 14:55:20.9, 0.9, 49.74N-88.07E, h11km, 4km, mpv3.8, 4C-2D, Error ellipse: s-maj=7.3km s-min=3.1km az=80.0, Tuva-Buryatia-Mongolia border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Mankanchi Array, Kurchatov, Kurk, ZRNK.

NEIC 15 15:07:38.7, 35.33N-3.86W, MG3.2(MDD), After MDD. MDD 15 15:07:38.7, 1.4, 35.33N-3.85W, mb3.5/3, Error ellipse: s-maj=17.1km s-min=5.6km az=24.0, PRXIMO Aftershock Gibraltar

ISG 15 15:07:36.5, 1.1, 35.32N-0.07-3.90W, 0.05, n12, e108/21, Strait of Gibraltar

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Melilla, Jimena Fronter, Jimena Fronter, Berja, EBER, Sierra de Lija, Quesada, Horachuelos, Adamuz, Minina Concepcio, El Granada.

NEIC 15 16:02:09.0, 0.8, 20.45S-68.27W, h135km, 9km, Error ellipse: s-maj=15.9km s-min=11.9km az=87.0 IDC 15 16:02:10.2, 4.2, 20.36S-68.18W, h143km, 35km, mb3.9/1, mb1.3/8.4, mb1mx3.6/1.3, Error ellipse: s-maj=55.2km s-min=22.4km az=53.0

ISG 15 16:02:08.4, 1.0, 20.45S-0.07-68.3W, 0.2, h145km, 15km, n9, 0541/9, mb3.9/1, Chile-Bolivia border region





Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ARU, DAWY, KIV, TRQA, KIC, TIC, LIC, CPUP, LPAZ.

TAP 15 17:14:01.6, 23.68N-122.61E, h7km, 1km, ML3.1
JMA 15 17:14:01.6, 23.76N-122.91E, h52km, 5km, M2.4
ISC 15 17:14:01.6, 23.73N-122.93E, 0.10, h57km, 28km,

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

ECX 15 17:19:12.6, 0.3, 30.69N x 114.70W, h4km, MD3.9, ML3.9, 4D, Gulf of California

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SPX, RDX, CPBX, ECNX, PGX, PBX, ENX.

MAN 15 17:52:16.1, 9.19N x 126.43E, h18km, mb4.9, ML3.9, MS3.9
IDC 15 17:52:17.9, 9.3, 7.9, 10N-126.40E, h62km, 33km, mb4.1/9, mb1.4/2.10, mb1mx4.1/15, ML4.4, 4/2, MS3.3/2, MS1.3/4/2, ms1mx3.1/16, Error ellipse: s-maj=33.8km s-min=15.1km az=69.0

NEIC 15 17:52:19.2, 1.9, 9.09N-126.35E, h72km, 17km, mb4.1/5, Error ellipse: s-maj=19.5km s-min=8.5km az=71

ISC 15 17:52:15.9, 0.8, 9.18N-126.55E, h62km, 6km, n73, c1507/80, mb4.5/23, 2C-5D, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BUTP, BIFP, SCFH, MSPL, DMHP, PLP, KCP, BESP, OCLP, TBP, LLLP, CTBH, PAGZ, GSNP, CNP, GUIM, RCFP, KALP, PVCP, OTRP, CUYO, SUMP, BOAC, BUSP, POLP, ENPP, TGTY, BALEP, BATP, PALP, CAUP, SCZP, APVP, ENRA, JOW, FITZ, CMAR, CMAR, WRA, WB2, AS12, ASAR, ASAR, SHL, LSA, GUN, PKI, KKN, DMN, STKA, GKN, KOLN.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HYB, MKAR, MKAR, ULHL, KZA, TKM2, ZAL, KBK, UCH, AML, EKXS, KURK, TIXI, BVAR, ILAR, DAWY, JOF, KEV, ARCES, KAF, FINES, KMBO.

NIED 15 17:54:00.33, 40N, 141.60E, h5km, Mw4.3 Best double couple: M2.88x1015 NP1n356°, 869°, 1.107°. NP2: 0.135°, 827°, 1.52°

IDC 15 17:54:30.6, 0.6, 33.35N-141.51E, mb4.0/13, mb1.4/2.16, mb1mx4.1/20, ML3.6/3, MS3.6/4, Ms1.3/6.4, ms1mx3.2/23, Error ellipse: s-maj=18.2km s-min=15.7km az=129.0

JMA 15 17:54:33.1, 0.2, 33.40N-141.58E, h25km, M4.1

MOS 15 17:54:34.9, 1.1, 33.39N-141.51E, h44km, mb4.5/7, Error ellipse: s-maj=19.8km s-min=8.7km az=108.2

NEIC 15 17:54:36.3, 1.6, 33.29N-141.37E, h38km, 14km, mb4.3/5, Error ellipse: s-maj=14.4km s-min=9.5km az=117.0

BUI 15 17:54:36.2, 33.30N-141.40E, h38km, mb4.7, M4.2, MS3.9, MS3.9

ISC 15 17:54:34.0, 0.8, 33.30N-141.49E, 0.07, h37km, 7km, n64, c0947/0, mb4.3/28, MS3.6/4, 3C-1D, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JHJ2, BS03, BS04, KTR, KJO, JIM, JIZS, JOD2, JYV, MAJO, MAT, CBJJ, CBJJ, ASAJ, YSS, HIA, HIA, CLNS, CLNS, CLNS, MA2, MA2, ENH, YAK, BOD, ZAK, BILL, TIXI, TIXI, CMAR, CMAR, ZAL, NVS, MKAR, MKAR, PKI, KKN, DMN, DANN, KOLN, ILAR, BVAR, WRA.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ASAR, MBWA, ARU, ARU, ARU, YKA, FINES, KIV, KIV, KIV, KIV, SOC, SOC, SOC, SOC, LCCM, NVAR, NB2, NB2, NOA, PDAR, ULM, GERES, FFD, LPAZ.

WEL 15 17:59:50.7, 1.1, 38.55S-177.60E, h50km, 1km, ML3.5/4, 4C-3D, Error ellipse: s-maj=0.9km s-min=0.7km az=90.0, North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MWZ, NOZ, KNZ, URW, PUK, EDZ, MARZ, BKZ, PATZ, LIRZ, KTR, KATZ, PWZ, KAVZ, TUZ, NGZ, CNZ, WPVZ, FWZ, HIZ, VRZ, KUZ, WAZ, BFZ, RNFZ, NEZ, DFE, MTW, MTW, KAP, CAW, NHZ, TNZ, KHZ, LTZ, ODZ.

IDC 15 18:17:04.1, 1.4, 9.85N-124.9E, 0.2, 124.9E, 0.2, h33km, n5, c1934/9, mb3.0/1, Timor region

FITZ 15 18:17:04.1, 1.4, 9.85N-124.9E, 0.2, 124.9E, 0.2, h33km, n5, c1934/9, mb3.0/1, Timor region

FITZ 15 18:17:04.1, 1.4, 9.85N-124.9E, 0.2, 124.9E, 0.2, h33km, n5, c1934/9, mb3.0/1, Timor region

IGIL 15 18:58:55.7, 21.0, 36.10N-10.30W, h0km, ML3.4

NEIC 15 18:58:55.7, 21.0, 36.21N-10.44W, h10km, Error ellipse: s-maj=49.4km s-min=8.5km az=58.0

MDD 15 18:58:55.7, 1.8, 36.28N-10.27W, mblg3.0/17, Error ellipse: s-maj=17.9km s-min=11.4km az=38.0, PRXIMO

LDG 15 18:58:59.3, 3.3, 36.20N-10.30W, h10km, M3.5/1, M3.7/3, Error ellipse: s-maj=5.5km s-min=3.8km az=49.0

INMG 15 18:59:00.6, 0.6, 36.13N-10.32W, h31km, ML3.0, Error ellipse: s-maj=3.4km s-min=2.4km az=71.0

ISC 15 18:58:60.0, 0.8, 36.39N-10.04, 10.13W, 0.05, h31km, n45, c1534/85, Azores-Cape St. Vincent Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FITZ, WRA, WB2, ASAR, ASAR, PTEO, PALC, EGRO, PBEJ, LIS, LIS.

IGIL 15 18:58:55.7, 21.0, 36.10N-10.30W, h0km, ML3.4

NEIC 15 18:58:55.7, 21.0, 36.21N-10.44W, h10km, Error ellipse: s-maj=49.4km s-min=8.5km az=58.0

MDD 15 18:58:55.7, 1.8, 36.28N-10.27W, mblg3.0/17, Error ellipse: s-maj=17.9km s-min=11.4km az=38.0, PRXIMO

LDG 15 18:58:59.3, 3.3, 36.20N-10.30W, h10km, M3.5/1, M3.7/3, Error ellipse: s-maj=5.5km s-min=3.8km az=49.0

INMG 15 18:59:00.6, 0.6, 36.13N-10.32W, h31km, ML3.0, Error ellipse: s-maj=3.4km s-min=2.4km az=71.0

ISC 15 18:58:60.0, 0.8, 36.39N-10.04, 10.13W, 0.05, h31km, n45, c1534/85, Azores-Cape St. Vincent Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PTEO, PALC, EGRO, PBEJ, LIS, LIS.



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time Res, h m s, ISC. Includes stations like Nakatsue, Mina Array Bea, etc.

IDC 15 21:55:32.2,3.4,21.34Sx169.48E,mb4.0/4,mb1 3.4/4,mb1mx4.2/9,MS3.6/4,Ms1 3.7/4,ms1mx3.4/11, Error ellipse: s-maj=180.0km s-min=30.6km az=156.0 NEIC 15 21:55:34.3,1.2,20.84Sx169.29E,h10km,mb4.7/1, Error ellipse: s-maj=82.4km s-min=12.0km az=148.0

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

IDC 15 21:55:53.5,3.2,17.57Sx178.66W,h600km,33km,mb3.5/8,mb1 3.9/8,mb1mx3.8/11, Error ellipse: s-maj=80.5km s-min=15.0km az=152.0 NEIC 15 21:55:57.0,3.4,18.06Sx178.53W,h659km,41km,mb4.5/12, Error ellipse: s-maj=22.9km s-min=15.8km az=125.0

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

IDC 15 21:55:59.4,3.6,17.95N.0.2x178.9W,0.2,h703km,49km,n31,c068/27,mb4.2/20,Fiji Islands region

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

IDC 15 21:57:16.6,21.0,2.50N.99.92E,h220km,184km,mb3.5/6,mb1 3.6/7,mb1mx3.5/14,ML4.3/1, Error ellipse: s-maj=219.0km s-min=14.6km az=57.0, Northern Sumatra

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

IDC 15 22:05:01.1,5.9,20.27Sx69.20W,h107km,42km,mb4.0/2,mb1 3.6/7,mb1mx3.7/13, Error ellipse: s-maj=75.4km s-min=29.8km az=45.0 NEIC 15 22:05:02.5,1.0,20.19Sx69.09W,h118km,10km, Error ellipse: s-maj=18.2km s-min=11.9km az=77.0

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

IDC 15 22:18:29.2,34.91N.4.07W,MG4.5(MDD),After MDD: MDD 15 22:18:29.2,1.1,34.91N.4.06W,mb4.5/39, Error ellipse: s-maj=10.4km s-min=4.9km az=8.0,PRXIMO AftershockPLICA INMG 15 22:18:31.1,1.1,34.82N.4.07W,h31km,11km,ML3.1, Error ellipse: s-maj=7.9km s-min=3.4km az=1.0

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

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

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

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

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

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

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

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

IDC 15 22:54:43.6,51.92N.170.47W,h10km,ML3.0(AEIC),After AEIC: IDC 15 22:54:47.8,5.6,52.18N.170.64W,h53km,41km,mb3.6/7,mb1 3.7/9,mb1mx3.5/21,ML2.7/1, Error ellipse: s-maj=78.8km s-min=21.4km az=163.0

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time Res, h m s, ISC. Includes stations like WRAB, WB2, WB2, etc.

Table with columns: AS12, Alice Springs, 20.46 186 eP, P, 23 24 30.4 +1.7, etc. Includes stations like ASAR, ASAR, ASAR, etc.

Table with columns: IDC 15 23:28:52.0, 2.9, 32.61Sx178.30W, mb4.1, mb1 4.2/3, mb1mx4.1/11, ML3.4/1, Error ellipse: s-maj=67.8km, s-min=35.6km az=118.0, South of Kermadec Islands

Table with columns: ATH 15 23:31:19.6, 37.75N-20.29E, h4km, MD3.5/3, THE 15 23:31:25.1, 37.96N-20.53E, h10km, ML2.5, ISC 15 23:31:21.7, 2.6, 37.9N, 0.1, 20.4E, 0.1, h4km, n6, s1913/9, 1C, Ionian Sea

Table with columns: GRAL 15 23:49:51.7, 1.0, 31.13N-35.81E, h15km, 999km, MD4.4, GII 15 23:49:56.6, 0.1, 31.37N-35.53E, h13km, 1km, mb4.4/4, ML4.3/6, Mw4.0/3, GII Felt III, NEIC 15 23:49:56.0, 31.37N-35.54E, h12km, mb3.6/1, ML4.3(GII), After GII, NEIC Felt in the Dead Sea area and south to the Sinai Peninsula, Egypt, SNSN 15 23:49:57.3, 31.26N-35.49E, h16km, M4.1, NSSC 15 23:49:59.2, 31.54N-35.69E, h10km, 1km, DUSS 15 23:50:02.8, 0.3, 31.75N-35.73E, h15km, ML4.6, ISC 15 23:49:55.3, 0.2, 31.35N, 0.1, 35.58E, 0.03, h15km, n79, s0984/93, 6D, Dead Sea region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Includes stations like MZDA Masada, MKR Makawir, DSI Dead Sea, DRGI Dragot, etc.

Table with columns: PHNC CSS Prodhromos, 4.07 333 P, Sn, 23 51 39.9 -1.4, etc. Includes stations like CSS, CSS, CSS, etc.

ISK 16 00:25:06.6, 37.45N-36.96E, h8km, MD3.5, NSSC 16 00:25:11.4, 37.22N-37.03E, h15km, 3km, ISC 16 00:25:07.8, 0.6, 37.40N, 0.02, 36.98E, 0.04, h11km, 5km, n37, s1615/55, 3C-7D, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Includes stations like GAZ Gaziantep, GZT Gaziantep, DRWC Darouich, etc.

NEIC 16 00:30:50.8, 33.20N: 115.58W, h3km, ML3.5(PAS), After PAS, ECX 16 00:30:51.0, 1.0, 33.18N-115.58W, h1km, 5km, ML3.7, IDC 16 00:30:58.3, 3.1, 33.63N-114.82W, mb1 3.6/2, mb1mx3.3/18, ML3.5/2, Error ellipse: s-maj=49.7km, s-min=12.8km az=49.0, ISC 16 00:30:50.0, 0.8, 33.20N, 0.03, 115.59W, 0.04, h14km, 6km, n26, s082/35, 6C-7D, Southern California

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Includes stations like FRK Frink, SFR Schaffner Ranc, YUH Yaha Desert, etc.

Table with columns: NEN Darwin (Calif), 3.49 332 ePg, Pn, 00 31 37.1 -3.4, etc. Includes stations like DAC Tucson, WUAZ Wupatki, etc.

NEIC 16 00:33:33.4, 33.20N: 115.58W, h2km, ML3.6(PAS), After PAS, ECX 16 00:33:34.2, 0.7, 33.19N: 115.60W, h6km, MD4.1, ML3.9, IDC 16 00:33:39.3, 3.5, 33.51N: 114.96W, mb1 3.7/2, mb1mx3.3/18, ML3.5/2, Error ellipse: s-maj=55.3km, s-min=13.9km az=50.0, ISC 16 00:33:17.0, 4.3, 33.19N: 0.02, 115.63W, 0.03, h2km, n28, s1819/37, 5C-6D, Southern California

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Includes stations like COK Cook Ranch, COA Coachella, YAO Yaqui Meadows, etc.



16d 4h

ISC 16 02:58:17.3:0.7, 34.96NE:0.04x4.10W:±0.03, h52km, n58, ±127/99, Morocco

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

2004 MAR

Table with columns: MFF, PGF, QUIF, SGMF, ROFF, Station Name, Time Res, ISC. Lists stations like Saint Martin, Pioggia, Quistinic, etc.

NEIC 16 02:58:20.7, 44.27N:11.05E, h16km, ML3.0(GEN), ML2.6(LDG), ML2.5(VIE), After GEN. LDG 16 02:58:20.8:0.2, 44.30N:11.19E, h10km, ML2.6/12, Error ellipse: s-maj=3.3km s-min=1.8km az=99.0

ROM 16 02:58:21.1:0.1, 44.25N:10.96E, h4km, 1km, MD2.6/14, ML2.0/11, Error ellipse: s-maj=1.4km s-min=0.9km az=0.0

ISC 16 02:58:19.8:0.2, 44.39N:10.02E:10.99E:0.02, h4km, n48, ±133/85, 4C-20, Northern Italy

Main table for 2004 MAR with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists numerous stations including ZCCA, GUSCUI, ERBEM, BDI, SARO, etc.

IDC 16 03:39:48.3:2.4, 51.14N:178.38E, mb3.5/8, mb1 3/8/9, mb1mx3.7/20, ML2.9/1, Error ellipse: s-maj=59.8km

NEIC 16 03:39:55.5:1.9, 51.20N:178.30E, h54km, 9km, ML3.3(AEIC), Error ellipse: s-maj=45.5km s-min=8.4km az=188.0

ISC 16 03:39:51.7:2.1, 51.11N:180.3:178.1E:±0.1, h46km, n11km, n18, ±076/20, mb3.6/8, Rat Islands

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

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Table with columns: TXAR, FINES, NOA, NOA, Station Name, Time Res, ISC. Lists stations like Lajitas Array, FINESS Array, etc.

DJA 16 03:52:00.6:0.8, 8.60S:114.67E, h102km, 6km, MD4.5/1, ML4.5/2, 5C-3D, Error ellipse: s-maj=25.2km s-min=8.3km az=23.0, Bali region

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

IDC 16 04:41:08.2:1.8, 2.36N:126.76E, mb3.9/4, mb1 4.1/4, mb1mx3.9/12, Error ellipse: s-maj=173.0km s-min=20.7km az=67.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists stations like WRA, WB2, ASAR, etc.

NIED 16 04:49:00, 46.30N:148.70E, h5km, Mw4.2 Best double couple: M2.48x10^15 NP1.9±28°, δ71°, 7.69°. NP2.2±29°, δ28°, 1.13°

SKHL 16 04:49:03.6:3.5, 46.70N:149.60E, h44km, 12km, mb4.9/7, ms4.1/3

MOS 16 04:49:07.0:1.0, 46.65N:149.14E, h33km, mb4.8/13, Error ellipse: s-maj=10.3km s-min=7.6km az=89.6

IDC 16 04:49:08.3:0.4, 46.69N:149.24E, h29km, 2km, mb4.1/21, mb1 4.3/22, mb1mx4.3/24, ML3.7/1, MS3.3/6, Ms1 3.4/6, ms1mx3.0/30, Error ellipse: s-maj=14.2km s-min=10.1km az=147.0

NEIC 16 04:49:10.2:1.8, 46.75N:149.16E, h44km, 16km, mb4.7/15, Error ellipse: s-maj=12.7km s-min=7.7km az=166.0

BUJ 16 04:49:10.0, 46.58N:149.06E, h47km, mb4.8, mb4.6, Ms4.1/1, Ms3.6/6

ISC 16 04:49:06.8:0.7, 46.67N:149.20E:±0.05, h33km, 7km, h29km, 7km, pP-P, n11, n12, ±198/120, mb4.4/38, MS3.5/9, 1C-8D, Kuril Islands

Main table for 324 with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists numerous stations including KUR, YUK, etc.



16d 6h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MEF, PNF, JOF, SPA0, etc.

IDC 16:06:05:52.0.7, 7.33S:156.03E, mb4.4/9, mb1 4.6/9, mb1mx4.6/11, MS4.0/5, MS1 4.1/5, ms1mx3.9/17, Error ellipse: s-maj=34.8km s-min=20.9km az=142.0

MOS 16:06:06:04.0.0.8, 7.48S:156.04E, h88km, mb5.1/6, Error ellipse: s-maj=18.4km s-min=15.3km az=132.1

NEIC 16:06:06:09.2.5, 7.72S:155.87E, h93km, mb4.7/10, Error ellipse: s-maj=17.4km s-min=11.5km az=108.0

ISC 16:06:05:53.2, 7.38S:155.91E, h93km, mb5.0/5, Error ellipse: s-maj=17.4km s-min=11.5km az=108.0

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists numerous stations like PMG, ARMA, WRAB, etc.

2004 MAR

Table with columns: ARU, comp, Z, S, On, m, 1, 2s, pmax, mLR, mLR. Includes stations like ARU, BRG, GERES, etc.

IDC 16:06:09:20.7.0.8, 32.22S:177.96W, mb4.7/8, mb1 4.9/11, mb1mx4.9/16, ML4.4/3, MS4.5/2, MS1 4.5/2, ms1mx3.8/18, Error ellipse: s-maj=33.0km s-min=13.2km az=162.0

SYO 16:06:09:22.8.0.5, 32.02S:177.88W, h10km, MB5.1, MS4.7, HRVD 16:06:09:22.8.0.5, 32.02S:177.50W, h16km, 2km, MW5.1/51, Centroid moment Tensor Solution. LP body waves:

s18,c21; Mantle waves: s51,c79; Hair duration: 0. Moment tensor: Scale 1.0E+06Nm; Mr1:1.7E-25; Mw0.21E-18; Mw1:1.9E-15; Mw2:1.4E-14; Mw3:1.1E-13; Mw4:6.8E-11; Mw5:1.50E-07; Best double couple: M:5.35x1016 NP1:230°, 81°, 150°; NP2:348°, 881°, 173°; Principal axes: T:5.55, P1g51°, Azm239°; N:-39, P1g16°; Azm351°; P:-5.16, P1g34°; Azm92°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 16:06:09:22.8.0.3, 32.22S:177.88W, h10km, mb5.1/16, MS4.7/77 Error ellipse: s-maj=12.5km s-min=8.3km az=155.0

MOS 16:06:09:26.6.1.6, 31.69S:178.05W, h33km, mb5.0/5, Error ellipse: s-maj=38.9km s-min=19.0km az=174.9

ISC 16:06:09:25.0.1.4, 32.32S:178.01W, 0.07, h13km, h33km, 9km, pP-P, h194, 1825/56, mb5.0/27, MS4.7/83, 6C-2D, South of Kermadec Islands

Main table of station data with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists numerous stations like NOZ, URZ, URZ, etc.

Main table of station data with columns: DAC, Darwin (Calif), 88.75, 45, PFAKE, LR, 06 22 30.0 +14. Lists numerous stations like MTUM, WDC, WCN, etc.







Table with columns: Code, Station Name, Frequency, Power, Azimuth, Phase, ID, Time, Res. Includes stations like LCHC, CHCH, LSCH, CACh, CACH, LNV, CACH, CACH, SFDQ, VACH, TRQA, NNA.

DJA 16 07:37:07.9-1.0, 8.61S, -117.25E, h33km, MD4.8/3, ML4.7/3, 1C-6D, Error ellipse: s-maj=55.8km, s-min=20.6km az=179.0, Sumbawa region

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Phase, ID, Time, Res. Includes stations like KEDI, KEDI, RATI, RATI, INGI, INGI.

IDC 16 07:53:20.2-0.8, 5.85S, -151.32E, mb4.5/8, mb1 4.0/8, mb1mx3.6/14, Error ellipse: s-maj=34.5km s-min=22.3km az=128.0

BUI 16 07:53:25.6, 5.44S, -151.81E, h46km, mb5.0, mb4.7, Msz4.3

SYO 16 07:53:26.8, 5.96S, -151.27E, h46km, MB4.9, NEIC 16 07:53:26.9, 1.0, 5.96S, -151.27E, h46km, 9km, mb4.9/11, Error ellipse: s-maj=12.5km s-min=6.1km az=128.0

ISC 16 07:53:25.9, 4.5, 5.96S, -151.21E, 0.10, h50km, 12km, n41, o976/34, mb4.6/19, 7C-2D, New Britain region

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Phase, ID, Time, Res. Includes stations like RAB, PMG, PMG, WRAB, WRAB, WBA, WBA, WBA, AS12, ASAR, STKA, FITZ, MBWA, KEDI, RATI, INGI, KELI, ENH, CMAR, Vnda, MKAR, MKAR, ZAL, SML, MCK, COLA, COLA, KURK, QSPA, BVAR, INK, SYO, SYO, SYO, SYO, NVAR, YKA, TCUT, NOA, GERE, ROSE, BDFB, KVIC, TIC, LIC.

Hel 16 08:01:18.2-0.1, 69.46N, 32.57E, ML1.7, ML2.0 (NAO), Exploision

NAO 16 08:01:19.1, 8.69, 45N, -32.41E, ML2.0

ISC 16 08:01:20.4, 1.3, 69.25N, 05.32E, 0.2, n14, o1904/23, Baltic States - Belarus - Northwestern Russia

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Phase, ID, Time, Res. Includes stations like APO, APO, APO, APO, KEV, ARAO, ARAO, ARAO, ARAO, SGF, SGF, MSF, MSF, KIF, KIF, KIF.

HEL 16 08:01:18.2-0.1, 69.46N, 32.57E, ML1.7, ML2.0 (NAO), Exploision

NAO 16 08:01:19.1, 8.69, 45N, -32.41E, ML2.0

ISC 16 08:01:20.4, 1.3, 69.25N, 05.32E, 0.2, n14, o1904/23, Baltic States - Belarus - Northwestern Russia

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Phase, ID, Time, Res. Includes stations like APO, APO, APO, APO, KEV, ARAO, ARAO, ARAO, ARAO, SGF, SGF, MSF, MSF, KIF, KIF, KIF.

HEL 16 08:01:18.2-0.1, 69.46N, 32.57E, ML1.7, ML2.0 (NAO), Exploision

NAO 16 08:01:19.1, 8.69, 45N, -32.41E, ML2.0

ISC 16 08:01:20.4, 1.3, 69.25N, 05.32E, 0.2, n14, o1904/23, Baltic States - Belarus - Northwestern Russia

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Phase, ID, Time, Res. Includes stations like APO, APO, APO, APO, KEV, ARAO, ARAO, ARAO, ARAO, SGF, SGF, MSF, MSF, KIF, KIF, KIF.

HEL 16 08:01:18.2-0.1, 69.46N, 32.57E, ML1.7, ML2.0 (NAO), Exploision

NAO 16 08:01:19.1, 8.69, 45N, -32.41E, ML2.0

ISC 16 08:01:20.4, 1.3, 69.25N, 05.32E, 0.2, n14, o1904/23, Baltic States - Belarus - Northwestern Russia

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Phase, ID, Time, Res. Includes stations like APO, APO, APO, APO, KEV, ARAO, ARAO, ARAO, ARAO, SGF, SGF, MSF, MSF, KIF, KIF, KIF.

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Phase, ID, Time, Res. Includes stations like OUL, KAJ, FIAO, FIAO, FIAO, FIAO.

GUC 16 08:08:22.9-0.8, 31.38S, -69.47W, h143km, 9km, MD4.2, NEIC 16 08:08:23.0-0.4, 31.38S, -69.17W, h104km, 5km, mb4.1/2, MD4.2 (GUC), Error ellipse: s-maj=8.8km s-min=4.7km az=88.0

NEIC Felt (III) in the epicentral area. IDC 16 08:08:23.4-0.8, 31.43S, -69.09W, h108km, 5km, mb3.7/7, mb1 4.0/9, mb1mx3.9/13, MS2.8/1, Ms1 2.8/1, s1 mx2.5/12, Error ellipse: s-maj=24.1km s-min=20.7km az=90.0

ISC 16 08:08:23.0-0.4, 31.35S, -69.26W, 0.07, h116km, 5km, h104km, 2.0km, p-P, n48, o996/64, mb3.9/8, 7C-8D, San Juan Province

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Phase, ID, Time, Res. Includes stations like CMCH, CMCH, MDZ, MDZ, Illapel, Illapel, JACH, JACH, TLL, TLL, TLL, OVCH, OVCH, FCH, FCH, FCH, PEL, PEL, ROCH, ROCH, PACH, PACH, LSCH, LSCH.

CLCH Cerro Canal 2.31 208 hP P 08 09 01.0 +0.2

DSCH Colegio Aleman 2.32 208 eS P 08 09 00.9 -0.1

PUEX Pudahuel 2.44 211 hS P 08 09 03.4 +0.9

ANTU Antumapu 2.50 207 eS S 08 09 03.0 -0.3

PCH Pirque 2.50 205 eS P 08 09 03.3 -0.1

RCMD Rinconada Maip 2.50 211 eS S 08 09 02.8 -0.6

LMEL Las Melosas 2.61 198 eS P 08 09 04.9 0.0

TACH Talagante 2.70 211 iP P 08 09 05.1 -1.0

CHCH Chadas Angostu 2.83 204 iS P 08 09 07.4 -0.4

LCHC Las Cruces 2.88 222 eP P 08 09 07.0 -1.5

CACh El Canelo 2.98 202 eP P 08 09 09.6 -0.2

VACH Vallenar 3.06 334 iP P 08 09 10.9 0.0

CICH Cipreses 3.12 198 eP S 08 09 11.2 -0.5

LNV Longovilo 3.17 214 eP P 08 09 11.0 -2.4

CPCH Copiapo 4.09 346 eP S 08 09 25.0 +0.1

LVC Limon Verde 8.97 140 eP P 08 10 24.6 -2.9

PLCA Plaza Flores 9.42 186 P P 08 10 34.6 -2.3

CPUP Villa Florida 11.59 67 P P 08 11 02.3 -3.5

CPUP Villa Florida 11.59 67 eP P 08 11 02.8 -3.1

ARE Arequipa 14.96 352 eP P 08 11 51.0 +1.3

LPZA La Paz 15.03 4 P P 08 11 52.1 +1.6

USHA Ushuaia 23.47 179 P P 08 13 23.3 +0.7

BDFB Brasilia 24.91 56 P P 08 13 36.4 -0.4

VNA3 Neumayer Olymp 50.95 159 iP P 08 17 14.8 +0.6

VNA2 Neumayer-Watz 51.57 158 iP P 08 17 20.5 +1.6

SNAA Sanae 53.17 159 iP P 08 17 29.9 -0.9

GPQA South Pole Qui 58.88 180 eP P 08 18 11.2 -0.3

TXAR Lajitas Array 68.66 328 P P 08 19 16.3 +0.3

TXAR Pinedale Array 82.52 331 P P 08 20 34.8 +0.7

PDAR Pinedale Array 82.52 331 P P 08 20 34.8 +0.7

NVAR Mirna Array Bea 83.11 323 P P 08 20 38.8 +1.6

ULM Lac du Bonnet 84.60 343 P P 08 20 44.3 0.0

SCHO Schefferville 85.86 1 P P 08 20 50.8 +0.2

ASAR Alice Springs 120.97 205 PKP PKP P 08 27 02.6 +0.3

WRA Warramunga Arr 124.19 207 PKP PKP P 08 27 08.9 +0.4

WRA Warramunga Arr 124.19 207 PKP PKP P 08 27 08.9 +0.4

MEX 16 08:25:39.6, 1.2, 16.04N, 97.19W, h27km, 28km, MD3.9, NEIC 16 08:25:39.7, 16.12N, 97.23W, h50km, MD3.9 (MEX), After MEX, ISC 16 08:25:37.1, 1.1, 16.13N, 0.08, 97.23W, 0.04, h27km, n8, o990/16, 1D, Oaxaca

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Phase, ID, Time, Res. Includes stations like CAIG, PPM, PPM, PPM, PPM.

IDC 16 09:00:42.7-2.0, 7.08N, 121.52E, mb3.6/3, mb1 3.8/3, mb1mx3.6/14, Error ellipse: s-maj=235.0km s-min=27.7km az=62.0, Mindanao

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

KRSC 16 09:21:02.6-0.9, 49.80N, 157.20E, h60km, 35km, ML3.8, East of Kuril Islands

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Phase, ID, Time, Res. Includes stations like SKR, SKR, ALID, ALID, PAU, PAU, MIPR, MIPR, RUS, RUS, GRL, GRL, PET, PET, UGLR, UGLR, AVH, AVH, SMAR, SMAR, KOK, KOK, NLC, NLC, SDLR, SDLR, SPN, SPN, GNL, GNL, KBTR, KBTR.

IDC 16 09:35:43.9-6.8, 15.48S, -178.10E, mb3.7/3, mb1 4.0/3, mb1mx3.7/11, Error ellipse: s-maj=302.0km s-min=34.4km az=141.0, Fiji Islands region

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Phase, ID, Time, Res. Includes stations like WRA, ASAR, ILAR.

IDC 16 09:56:54.2-2.9, 6.35S, -128.43E, mb3.9/1, mb1 4.1/3, mb1mx3.9/9, ML3.6/2, Error ellipse: s-maj=321.0km s-min=31.0km az=67.0, Banda Sea

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

THE 16 10:06:08.7, 38.34N, -2.10E, h1km, ML3.0, NEIC 16 10:06:08.6, 38.37N, -2.10E, h25km, MD3.1 (ATH), After ATH

ATH 16 10:06:08.6, 38.37N, -2.10E, h25km, 5km, MD3.1/4, ISC 16 10:06:07.7-0.7, 38.34N, 0.04, 22.10E, 0.04, h1km, n13, o652/20, Greece

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Phase, ID, Time, Res. Includes stations like WRA, WBA, ASAR, MKAR, EVR, AGG, LKR, ITM, LKD, VLS, VLS, VLS, XOR, XOR, AOS, AOS, LIT, LIT, FNA, FNA, KNT, KNT.

DJA 16 10:37:25.8-0.9, 8.70S, -115.61E, h118km, 6km, MD4.6/4, ML4.2/1, 4C-4D, Error ellipse: s-maj=28.0km s-min=10.9km az=179.0, Bali region

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Phase, ID, Time, Res. Includes stations like RATI, RATI, INGI, INGI, KEDI, KEDI, KEDI, KEDI.

NEIC 16 10:49:8.1, 5.24N, 179.89E, h525km, 19km, mb4.1/4, Error ellipse: s-maj=17.6km s-min=11.6km az=181.0

IDC 16 10:49:8.1, 3.72, 11S, 179.76E, h520km, 13km, mb3.5/10, mb1 3.7/24, 11S, 179.76E, h520km, 13km, s-maj=21.4km s-min=11.1km az=161.0, Error ellipse: s-maj=10.9km s-min=7.8km az=179.81E, 0.09, h524km, 23km, n26, o1912/26, mb4.0/15, South of Fiji Islands

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Phase, ID, Time, Res. Includes stations like DZM, URZ, URZ, URZ, RAR, RPZ, RPZ, CTA.

DJA 16 10:37:25.8-0.9, 8.70S, -115.61E, h118km, 6km, MD4.6/4, ML4.2/1, 4C-4D, Error ellipse: s-maj=28.0km s-min=10.9km az=179.0, Bali region

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Phase, ID, Time, Res. Includes stations like RATI, RATI, INGI, INGI, KEDI, KEDI, KEDI, KEDI.

NEIC 16 10:49:8.1, 5.24N, 179.89E, h525km, 19km, mb4.1/4, Error ellipse: s-maj=17.6km s-min=11.6km az=181.0

IDC 16 10:49:8.1, 3.72, 11S, 179.76E, h520km, 13km, mb3.5/10, mb1 3.7/24, 11S, 179.76E, h520km, 13km, s-maj=21.4km s-min=11.1km az=161.0, Error ellipse: s-maj=10.9km s-min=7.8km az=179.81E, 0.09, h524km, 23km, n26, o1912/26, mb4.0/15, South of Fiji Islands

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Phase, ID, Time, Res. Includes stations like DZM, URZ, URZ, URZ, RAR, RPZ, RPZ, CTA.

DJA 16 10:37:25.8-0.9, 8.70S, -115.61E, h118km, 6km, MD4.6/4, ML4.2/1, 4C-4D, Error ellipse: s-maj=28.0km s-min=10.9km az=179.0, Bali region

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Phase, ID, Time, Res. Includes stations like RATI, RATI, INGI, INGI, KEDI, KEDI, KEDI, KEDI.

16d 12h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CTAO Charters Tower, STKA Stephens Creek, AS12 Alice Springs, etc.

NIED 16 10:41:00, 45.50N-150.00E, h165km, Mw4.1 Best double couple: Mo 1.42x10^15 N P1: 73, 87, 1-78. N P2: 221, 623, 1-120. SKHL 16 10:41:51.7, 1.0, 46.30N-150.10E, h150km, 10km, mb5.2/2, msh5.5/2, msh5.8/2. MOS 16 10:41:52.2, 1.2, 46.25N-149.78E, h191km, mb4.2/1, Error ellipse: s-maj=20.1km s-min=13.7km az=48.2. JMA 16 10:41:54.0, 4.0, 45.51N-150.04E, h173km, M3.9 IDC 16 10:41:54.6, 2.0, 46.33N-149.72E, h194km, 20km, mb3.4/16, mb1 3.7/18, mb1mx3.7/22, Error ellipse: s-maj=17.3km s-min=11.4km az=152.0. BUJ 16 10:41:54.6, 46.00N-149.45E, h185km, mb4.3. NEIC 16 10:41:56.0, 1.5, 46.35N-149.71E, h207km, 14km, mb3.8/1, Error ellipse: s-maj=15.6km s-min=10.4km az=150.0. ISC 16 10:41:52.1, 0.6, 45.92N-107.149.87E, h198km, 6km, m6, m8, m10, m12, 2C-2D, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KUR Kuril'sk, NOA NORPAR Array B, ULM Lac du Bonnet, ASAR Alice Springs, etc.

2004 MAR

Table with columns: JNB Noboribetsu, JNB Kayabe, JNB Shimam, etc. Includes station codes and time/res data.

NEIC 16 11:10:58.3, 35.32N-4.08W, M3.5(MDD), After MDD. MDD 16 11:10:58.4, 1.2, 35.33N-4.07W, mb3.5/1, Error ellipse: s-maj=12.8km s-min=5.9km az=25.0, Aftershock PLICA PRXIMO, Strait of Gibraltar

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EMEL Meilla, EMAL Malaga-Limoner, REAL Reales, etc.

IDC 16 11:27:9.8, 2.198SS-176.94W, mb3.5/3, mb1 3.8/3, mb1mx3.6/1, Error ellipse: s-maj=35.0km s-min=40.2km az=144.0, Fiji Islands region

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

NEIC 16 12:14:49.4, 39.20N-21.65E, h5km, MD3.5(ATH), After ATH 16 12:14:49.4, 39.20N-21.65E, h5km, MD3.5/8 THE 16 12:14:50.7, 39.18N-21.62E, h13km, ML3.6 ISC 16 12:14:49.6, 0.5, 39.20N-0.02-21.63E, 0.03, h13km, 4km, n30, c1313/40, Greece

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EVR Evrytania, AGG Agios Georgios, MEV Metsovon, etc.

NIED 16 12:23:00, 26.40N, 142.70E, h53km, Mw4.6 Best double couple: Mo 9.4x10^15 N P1: 144, 887, 1-99. N P2: 34, 810, 1-20. IDC 16 12:30:3.0, 0.6, 26.31N-142.04E, mb4.1/16, mb4.3/19, mb1mx4.2/23, ML3.6/3, MS3.5/6, M3.5/6, m1mx3.2/25, Error ellipse: s-maj=19.5km s-min=13.1km az=104.0. MOS 16 12:23:33.0, 2.9, 25.90N-141.53E, h33km, mb4.8/4, Error ellipse: s-maj=32.3km s-min=8.9km az=103.1. NEIC 16 12:23:34.6, 2.8, 26.28N-141.99E, h28km, 19km, mb4.6/6, Error ellipse: s-maj=12.4km s-min=5.8km az=92.0. BUJ 16 12:23:35.0, 25.86N-142.15E, h47km, 4.4, m4.2, ISC 16 12:23:28.3, 4.2, 26.26N-142.05E, 14.0E, 0.1, h0km, 2.1km, m2, m6, m8, m10, m12, 2C-2D, Kuril Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CBIJ Chichi jima, JHU Hachioji jima, MAJO Matsushiro, etc.

Table with columns: KEV, comp, pmax, pmax, ARCES, AREO, JOF, YBH, OBIN, OBIN, OBIN, KAF, KAF, FINES, FINES, SOC, SOC, SOC, SOC, SOC, SOC, SOC, SOC, NVAR, NVAR, LCCM, NB2, NOA, NOA, NOA, NOA, PDR, PDR, MSU, KONO, ANMO, TXAR, LPAZ, LPAZ. Includes station names like ARCES Array B, AREO Joensuu, etc.

IDC 16 12:56:30.8-4.7, 26.38N-141.35E, mb3.8/3, mb1 3.9/3, s-min=30.8km az=84.0, Bonin 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, etc.

MOS 16 13:05:49.4-1.2, 51.41N-176.16E, h33km, mb4.0/1, Error ellipse: s-maj=24.7km s-min=12.9km az=95.4

NEIC 16 13:05:55.4-0.8, 51.75N-176.45E, h51km, mb3.8/1, ML3.8(AEIC), Error ellipse: s-maj=16.1km s-min=6.4km az=188.0

IDC 16 13:05:58.1-3.3, 51.89N-176.32E, h70km, mb3.5/11, mb1 3.7/11, mb1mx3.6/20, Error ellipse: s-maj=30.8km s-min=16.7km az=160.0

ISC 16 13:05:54.0-0.9, 51.71N-176.57E, h67km, mb3.6km, n30, c094/34, mb3.7/12, Rat Islands

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SMY Shemya, FX1 Attu Island-F, etc.

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FX1 Attu Island-F, KIMD Kanaga Island, etc.

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

NEIC 16 13:18:28.3, 35.01N-2.76W, h8km, MN2.4(MDD), After MDD

NEIC Fel [I] at Melilla, Spain

MDD 16 13:18:27.1-1.4, 34.99N-2.69W, mb3.7/8, Error ellipse: s-maj=13.2km s-min=8.5km az=32.0, PRXIMO, Morocco

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

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

NEIC 16 13:23:45.9-3.1, 20.89S-178.42W, h466km, mb4.4/3, Error ellipse: s-maj=23.8km s-min=16.3km az=161.0

IDC 16 13:23:45.3-2.6, 20.83S-178.40W, h456km, mb3.5/9, mb1 3.9/10, mb1mx3.9/12, Error ellipse: s-maj=27.4km s-min=15.4km az=148.0

ISC 16 13:23:24.9-4.6, 20.26S-178.40W, h246km, mb4.3km, n39, c057/18, mb4.0/12, Fiji Islands region

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

IDC 16 13:32:44.0-2.1, 6.71S-129.48E, mb3.7/11, mb1 3.7/3, s-min=32.6km az=68.0, Banda Sea

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

IDC 16 13:53:44.2-0.9, 1.37N-128.58E, mb4.2/8, mb1 4.4/8, mb1mx4.3/12, MS3.7/4, Mst1 3.7km, ms1mx3.2/19, Error ellipse: s-maj=54.7km s-min=17.9km az=67.0

MOS 16 13:53:46.9-0.9, 1.33N-128.36E, h35km, mb4.6/5, Error ellipse: s-maj=40.5km s-min=13.6km az=104.4

BUI 16 13:53:53.0, 1.20N-128.40E, h80km, mb4.8, mb4.6, Ms3.9, Ms23.9

SYO 16 13:53:54.1, 1.17N-128.42E, h80km, MB4.7

NEIC 16 13:53:54.0-0.4, 1.17N-128.42E, h80km, mb4.7/12, Error ellipse: s-maj=21.6km s-min=8.2km az=74.0

ISC 16 13:53:50.6-5.7, 1.47N-129.00E, h128.5E-0.1, h63km, 54km, n54, c107/50, mb4.6/20, IC-2D, Halmahera

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

NEIC 16 13:25:47.0, 38.51N-9.33W, MN2.4(MDD), After MDD

MDD 16 13:25:47.1, 38.43N-9.56W, h36km, 11km, mbLg2.5/8, Error ellipse: s-maj=15.5km s-min=6.7km az=66.0

PRXIMO

NEIC 16 13:25:43.0-0.9, 38.42N-9.45W, h31km, mb2.3, Error ellipse: s-maj=5.1km s-min=1.6km az=77.0

IGIL 16 13:25:45.2, 14.30N-9.40W, h2km, ML2.6

ISC 16 13:25:41.7-0.8, 38.53N-0.03-9.30W, h31km, n32, c130/61, 4C, Portugal

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

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

IDC 16 13:32:44.0-2.1, 6.71S-129.48E, mb3.7/11, mb1 3.7/3, s-min=32.6km az=68.0, Banda Sea

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

IDC 16 13:53:44.2-0.9, 1.37N-128.58E, mb4.2/8, mb1 4.4/8, mb1mx4.3/12, MS3.7/4, Mst1 3.7km, ms1mx3.2/19, Error ellipse: s-maj=54.7km s-min=17.9km az=67.0

MOS 16 13:53:46.9-0.9, 1.33N-128.36E, h35km, mb4.6/5, Error ellipse: s-maj=40.5km s-min=13.6km az=104.4

BUI 16 13:53:53.0, 1.20N-128.40E, h80km, mb4.8, mb4.6, Ms3.9, Ms23.9

SYO 16 13:53:54.1, 1.17N-128.42E, h80km, MB4.7

NEIC 16 13:53:54.0-0.4, 1.17N-128.42E, h80km, mb4.7/12, Error ellipse: s-maj=21.6km s-min=8.2km az=74.0

ISC 16 13:53:50.6-5.7, 1.47N-129.00E, h128.5E-0.1, h63km, 54km, n54, c107/50, mb4.6/20, IC-2D, Halmahera

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

IDC 16 13:53:44.2-0.9, 1.37N-128.58E, mb4.2/8, mb1 4.4/8, mb1mx4.3/12, MS3.7/4, Mst1 3.7km, ms1mx3.2/19, Error ellipse: s-maj=54.7km s-min=17.9km az=67.0

MOS 16 13:53:46.9-0.9, 1.33N-128.36E, h35km, mb4.6/5, Error ellipse: s-maj=40.5km s-min=13.6km az=104.4

BUI 16 13:53:53.0, 1.20N-128.40E, h80km, mb4.8, mb4.6, Ms3.9, Ms23.9

SYO 16 13:53:54.1, 1.17N-128.42E, h80km, MB4.7

NEIC 16 13:53:54.0-0.4, 1.17N-128.42E, h80km, mb4.7/12, Error ellipse: s-maj=21.6km s-min=8.2km az=74.0

ISC 16 13:53:50.6-5.7, 1.47N-129.00E, h128.5E-0.1, h63km, 54km, n54, c107/50, mb4.6/20, IC-2D, Halmahera

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

NEIC 16 13:25:47.0, 38.51N-9.33W, MN2.4(MDD), After MDD

MDD 16 13:25:47.1, 38.43N-9.56W, h36km, 11km, mbLg2.5/8, Error ellipse: s-maj=15.5km s-min=6.7km az=66.0

PRXIMO

NEIC 16 13:25:43.0-0.9, 38.42N-9.45W, h31km, mb2.3, Error ellipse: s-maj=5.1km s-min=1.6km az=77.0

IGIL 16 13:25:45.2, 14.30N-9.40W, h2km, ML2.6

ISC 16 13:25:41.7-0.8, 38.53N-0.03-9.30W, h31km, n32, c130/61, 4C, Portugal

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

IDC 16 13:53:44.2-0.9, 1.37N-128.58E, mb4.2/8, mb1 4.4/8, mb1mx4.3/12, MS3.7/4, Mst1 3.7km, ms1mx3.2/19, Error ellipse: s-maj=54.7km s-min=17.9km az=67.0

MOS 16 13:53:46.9-0.9, 1.33N-128.36E, h35km, mb4.6/5, Error ellipse: s-maj=40.5km s-min=13.6km az=104.4

BUI 16 13:53:53.0, 1.20N-128.40E, h80km, mb4.8, mb4.6, Ms3.9, Ms23.9

SYO 16 13:53:54.1, 1.17N-128.42E, h80km, MB4.7

NEIC 16 13:53:54.0-0.4, 1.17N-128.42E, h80km, mb4.7/12, Error ellipse: s-maj=21.6km s-min=8.2km az=74.0

16d 16h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for BOD, RPZ, MKAR, MKAR, YAK, ZAL, ZAL, ZAL, KURK, KURK, KURK, BVAR, BVAR, BRVK, BRVK, BRVK, BRVK, SYO, SYO, SYO, ARCES, CPUP, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for WRA, WRA, AS12, ASAR, MKAR, BVAR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for WRA, WRA, AS12, ASAR, MKAR, BVAR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for WRA, WRA, AS12, ASAR, MKAR, BVAR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for WRA, WRA, AS12, ASAR, MKAR, BVAR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for WRA, WRA, AS12, ASAR, MKAR, BVAR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for WRA, WRA, AS12, ASAR, MKAR, BVAR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for WRA, WRA, AS12, ASAR, MKAR, BVAR, etc.

2004 MAR

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for WRAB, WRA, WRA, WB2, WB2, WBA, AS12, ASAR, ASAR, ASAR, CTA, FORT, KLB, STKA, STKA, STKA, ARMA, CNB, TOO, CMAR, CMAR, MAJO, MAJO, MAT, MAT, CN2, ASAJ, RPZ, URZ, ULN, MKAR, YAK, ZAL, BVAR, BILL, PMOR, QSPA, LVC, CPUP, CPUP, LPAZ, LPAZ, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for INGI, INGI, RATI, KEDI, KEDI, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for LFK, MAMC, MAMC, MAMC, CSS, CSS, CSS, MAGT, LEF, LEF, PHNC, PHNC, PHNC, EREN, SZAC, SZAC, ALFC, ALFC, ALFC, AKMC, IKL, ILL, ELL, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for LFK, MAMC, MAMC, MAMC, CSS, CSS, CSS, MAGT, LEF, LEF, PHNC, PHNC, PHNC, EREN, SZAC, SZAC, ALFC, ALFC, ALFC, AKMC, IKL, ILL, ELL, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for LFK, MAMC, MAMC, MAMC, CSS, CSS, CSS, MAGT, LEF, LEF, PHNC, PHNC, PHNC, EREN, SZAC, SZAC, ALFC, ALFC, ALFC, AKMC, IKL, ILL, ELL, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for LFK, MAMC, MAMC, MAMC, CSS, CSS, CSS, MAGT, LEF, LEF, PHNC, PHNC, PHNC, EREN, SZAC, SZAC, ALFC, ALFC, ALFC, AKMC, IKL, ILL, ELL, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for ARCES, FRB, BVAR, ILAR, MKAR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for KEDI, RATI, INGI, INGI, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for KIF, KIF, KTK, SGF, ARGO, ARGO, ARAO, ARAO, KEV, KEV, OUL, OUL, OUL, MSF, MSF, MSF, KJN, KJN, KJN, APAO, APAO, APAO, YAF, YAF, FIAO, FIAO, HFS, HFS, HFS, HFS, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for WRA, WRA, ASAR, ASAR, CMAR, CMAR, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for WRA, WRA, ASAR, ASAR, CMAR, CMAR, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for WRA, WRA, ASAR, ASAR, CMAR, CMAR, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for WRA, WRA, ASAR, ASAR, CMAR, CMAR, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for WRA, WRA, ASAR, ASAR, CMAR, CMAR, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for WRA, WRA, ASAR, ASAR, CMAR, CMAR, MKAR, MKAR, etc.

Table of celestial observations for 333, including columns for code, station name, azimuth, phase, ID, time, and residual. Includes entries like VNA2 Neumayer-Watz, WUJAZ, and various other stations.

NEIC 16 17:37:42.8, 17.76N-100.48W, h64km, MD3.8(MEX), After MEX.

Table of celestial observations for NEIC 16 17:37:42.8, including columns for code, station name, azimuth, phase, ID, time, and residual. Includes entries like CAIG El Cayaco, ZIIG Zihuatanejo, and others.

NEIC 16 17:16:12.0, 35.84N-70.39E, h142km, 128km, mb3.4/6, mb1 3.4/8, mb1mx3.2/17, ML3.6/2, Error ellipse: s-maj=168.0km s-min=43.7km az=1.0

MOS 16 17:16:19.3, 0.9, 36.39N-70.14E, h193km, mb3.8/3, Error ellipse: s-maj=38.5km s-min=13.9km az=92.1

NCC 16 17:16:24.1, 4.8, 36.72N-70.19E, h19km, 40km, mpv4.0, Error ellipse: s-maj=5.9km s-min=2.9km az=34.0

ISAC 16 17:16:20.2, 1.2, 36.45N-106.73E, 0.1, h194km, 12km, n36, c070/41, mb3.4/5, 6C-1D, Hindu Kush region

Table of celestial observations for various stations, including THN Thein Dam, THN Dalhousie, AML Almayashu, UCH Uchtoy, and others.

Table of celestial observations for 446, including columns for code, station name, azimuth, phase, ID, time, and residual. Includes entries like UHLH Ulahol, SDNR Sundarnagar, and various other stations.

NEIC 16 17:19:43.8, 16.87N-100.39W, h7km, MD3.6(MEX), After MEX.

MEX 16 17:37:43.0-8.0, 16.87N x 100.39W, h7km, 6km, MD3.6, 1C, Near coast of Guerrero

Table of celestial observations for NEIC 16 17:19:43.8, including columns for code, station name, azimuth, phase, ID, time, and residual. Includes entries like CAIG El Cayaco, CAIG Acapulco, and others.

MEX 16 17:30:52.4, 0.8, 16.02N-98.97W, h19km, 40km, MD3.9, NEIC 16 17:30:52.3, 16.01N-98.97W, h18km, MD3.6(MEX), After MEX.

ISAC 16 17:30:48.7, 1.4, 16.02N-0.09, 98.99W, 0.04, h21km, 10km, n12, c1809/23, 1C, Near coast of Guerrero

Table of celestial observations for ISAC 16 17:30:48.7, including columns for code, station name, azimuth, phase, ID, time, and residual. Includes entries like PNIIG Pinotepa, ACX Acapulco, and others.

PGC 16 17:34:58.9, 48.58N-123.00W, h53km, 5km, ML2.4/23, MD2.5(SEA), Near San Juan Island, Washington

PNSN 16 17:34:59.3, 48.59N-122.98W, h50km, MD2.5, Fault plane solution: NP1, 0, 110, 830; NP2, 0, 246, 867; Principal axes: P Tlp20, Azm351; P Ptg62, Azm124

ISAC 16 17:34:58.9, 0.3, 48.59N-123.00W, 0.03, h50km, 5km, n54, c052/71, 2C-5D, Washington

Table of celestial observations for various stations, including MCW Mount Constitu, SNB Saturna Island, VGZ Gonzales, PGCS Sidney, and others.

Table of celestial observations for 666, including columns for code, station name, azimuth, phase, ID, time, and residual. Includes entries like NLLB Nanaimo Lost L, RPW Rockport, and various other stations.

NEIC 16 17:19:43.8, 16.87N-100.39W, h7km, MD3.6(MEX), After MEX.

MEX 16 17:37:43.0-8.0, 16.87N x 100.39W, h7km, 6km, MD3.6, 1C, Near coast of Guerrero

Table of celestial observations for NEIC 16 17:19:43.8, including columns for code, station name, azimuth, phase, ID, time, and residual. Includes entries like CAIG El Cayaco, CAIG Acapulco, and others.

MEX 16 17:30:52.4, 0.8, 16.02N-98.97W, h19km, 40km, MD3.9, NEIC 16 17:30:52.3, 16.01N-98.97W, h18km, MD3.6(MEX), After MEX.

ISAC 16 17:30:48.7, 1.4, 16.02N-0.09, 98.99W, 0.04, h21km, 10km, n12, c1809/23, 1C, Near coast of Guerrero

Table of celestial observations for ISAC 16 17:30:48.7, including columns for code, station name, azimuth, phase, ID, time, and residual. Includes entries like PNIIG Pinotepa, ACX Acapulco, and others.

PGC 16 17:34:58.9, 48.58N-123.00W, h53km, 5km, ML2.4/23, MD2.5(SEA), Near San Juan Island, Washington

PNSN 16 17:34:59.3, 48.59N-122.98W, h50km, MD2.5, Fault plane solution: NP1, 0, 110, 830; NP2, 0, 246, 867; Principal axes: P Tlp20, Azm351; P Ptg62, Azm124

ISAC 16 17:34:58.9, 0.3, 48.59N-123.00W, 0.03, h50km, 5km, n54, c052/71, 2C-5D, Washington

Table of celestial observations for various stations, including PTEO Sao Teotonia, PALC Alcoutim, EGRO El Granado, and others.





NOA NORSAR Array B 84.45 338 P P 19 15 10.1 +3.3
PDAR Pinedale Array 84.75 45 P P 19 15 11.9 +3.3
LPAZ La Paz 150.02 77 PKPbc PKPdf 19 22 29.9 +8.6

IDC 16 19:06:47.1±1.6, 26.36N-141.94E, mb3.4/3, mb1 3.6/3,
mb1mx3.4/17, Error ellipse: s-maj=53.6km s-min=-18.2km
az=109.0

Code Station Name Az AZZ Phase ID Time Res
CBIJ Chichi jima 0.87 22 Pn 19 07 05.1 -1.4
CBIJ Warramunga Arr 46.52 190 P Sn 19 07 18.9 +0.8

NNC 16 19:14:27.1±10.0, 37.17N-170.23E, mpv3.6, Error ellipse:
s-maj=99.6km s-min=77.8km az=125.0

Code Station Name Az AZZ Phase ID Time Res
AML Almayashu 5.51 21 P 19 15 49.2 +0.2
UCH Uchtor 5.86 26 P 19 15 53.9 +0.3

DJA 16 19:27:17.7, 4.09N-99.24E, h33km, MB3.8, 2C-1D, Error
ellipse: s-maj=0.0km s-min=0.0km az=0.0, Northern
Sumatera

Code Station Name Az AZZ Phase ID Time Res
TSI Tuntungan 0.89 229 Pn 19 27 29.5 +4.5
PSI Prapat 1.42 193 Pn 19 27 39.2 -2.4

NEIC 16 19:28:46.3, 41.89S-174.00E, h25km, ML4.5(WEL), After
WEL

WEL 16 19:28:46.2±0.2, 41.89S-174.02E, h20km±1km, ML4.5/13,
4C-6D, Error ellipse: s-maj=1.7km s-min=1.3km az=0.0,
Cook Strait

Code Station Name Az AZZ Phase ID Time Res
CMWZ Cape Campbell 0.20 46 P 19 28 51.4 0.0
BSWZ Blackbirch Sta 0.20 328 P 19 28 50.8 -0.6

IDC 16 20:08:53.3±8.9, 21.67S-66.73W, h220km±62km, mb3.2/1,
mb1 3.4/2, mb1mx3.2/12, Error ellipse: s-maj=229.0km
s-min=80.3km az=67.0, Southern Bolivia

Code Station Name Az AZZ Phase ID Time Res
LPAZ La Paz 5.52 346 P 20 10 15.2 -0.2
LPAZ Warramunga Arr 46.52 190 P Sn 20 11 21.2 +1.9

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ZAL Zalesovo 141.22 27 PKP PKPdf 20 27 56.9 -0.4
MKAR Makanchi Array 144.56 38 PKP PKPdf 20 28 03.3 0.0

BUI 16 20:11:41.3, 53.06N-169.46W, h28km, mb4.5, Ms4.5,
Ms2.4
NEIC 16 20:11:43.8±0.3, 52.47N-169.56W, mb4.0/10,
ML4.0(AEIC), Error ellipse: s-maj=9.6km s-min=-3.7km
az=163.0

IDC 16 20:11:43.5±0.9, 52.43N-169.59W, h39km±6km, mb3.9/17,
mb1 4.1/19, mb1mx4.0/25, ML3.8/2, MS3.6/11, Mst1 3.6/11,
mst1mx3.4/20, Error ellipse: s-maj=23.8km s-min=-11.0km
az=163.0

IDC 16 20:11:43.3±0.6, 52.50N-0.07-169.61W.0.05, h52km±4km,
h38km±1.7km, p-P, n67, s-087/70, mb4.1/23, MS3.6/11,
Fox Islands

Code Station Name Az AZZ Phase ID Time Res
NIKO Nikolski 0.66 44 P 20 11 55.4 -1.2
MGOD Makushin Gods 2.10 51 P 20 12 16.5 -0.1

IDC 16 20:52:14.7±2.9, 32.23S-178.21W, mb3.6/2, mb1 3.9/3,
mb1mx3.8/12, ML3.3/1, Error ellipse: s-maj=69.3km
s-min=35.9km az=116.0, South of Kermadec Islands

Code Station Name Az AZZ Phase ID Time Res
URZ Urewera 7.13 211 Pn 20 54 01.0 -1.8
URZ Urewera 7.13 211 Pn 20 54 01.0 -1.8

NEIC 16 20:51:08.3, 34.79N-4.05W, MG3.6(MDD), After MDD,
MDD 16 20:51:08.7±1.6, 34.82N-4.05W, mb3.6/13, Error ellipse:
s-maj=15.6km s-min=7.7km az=5.0, PRXIMO
AstershockPLKA, Morocco

16d 21h

Code Station Name Az AZZ Phase ID Time Res
EMEL Melilla 1.02 61 P 20 51 27.1 -1.8
EMEL Melilla 1.02 61 P 20 51 27.1 -1.8

IDC 16 21:06:56.2±1.4, 27.29N-103.63E, mb4.0/4, mb1 4.0/5,
mb1mx3.7/15, ML2.4/1, Error ellipse: s-maj=40.7km
s-min=21.4km az=83.0

Code Station Name Az AZZ Phase ID Time Res
CD2 Chengdu 3.78 8 P 21 07 59.8 +3.8
CD2 Chengdu 3.78 8 P 21 07 59.8 +3.8

NEIC 16 21:07:04.2±1.5, 27.10N-103.05E, h65km±18km, Error
ellipse: s-maj=24.4km s-min=13.6km az=123.0

Code Station Name Az AZZ Phase ID Time Res
ENH Enshi 6.40 60 P 21 08 37.0 +3.9
CMAR Chiang Mai Arr 9.47 205 Pn 21 09 16.8 +0.9

WAR 16 21:10:02.9, 51.51N-16.04E, ML2.7, Mining Induced
PRU 16 21:10:03.3, 51.45N-16.05E

NEIC 16 21:10:05.2±2.9, 51.34N-15.96E, h5km, Error ellipse:
s-maj=32.3km s-min=10.4km az=223.0

IDC 16 21:10:02.0±1.5, 51.43N-16.06E, h5166m±0.06, n11, s-095/21,
Poland

Code Station Name Az AZZ Phase ID Time Res
KSP Ksiaz 0.62 160 P 21 10 15.0 +0.6
KSP Ksiaz 0.62 160 P 21 10 24.0 +1.3



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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MAK, TIXI, PECH, and others.

2004 MAR

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like OBN, ANN, ELZG, and others.

16d 21h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KIS, HMDD, and others.

16d 21h

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like NB2, NOA, GRUS, etc.

2004 MAR

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like BSEG, CRES, LRES, etc.

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Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like WLS, SARO, VLC, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like WYandotte Cave, Blacksburg, Waverly, etc.

17d Oh
1DC 16 21:44:41.5, 23.0, 36.49N, 71.29E, h85km, 144km, mb3.4/4, mb1 3.5/7, mb1mx3.3/16, ML3.4/3, Error ellipse: s-maj=210.0km s-min=45.8km az=2.0
NNC 16 21:44:47.0, 3.6, 37.15N, 69.88E, mpv4.3E, Error ellipse: s-maj=29.0km s-min=24.1km az=159.0
MOS 16 21:44:51.8, 1.1, 37.26N, 71.10E, h151km, mb3.7/3, Error ellipse: s-maj=41.9km s-min=13.6km az=89.1
NEIC 16 21:44:55.2, 2.2, 37.40N, 71.30E, h160km, Error ellipse: s-maj=35.7km s-min=19.8km az=160.0
ISC 16 21:44:39.0, 1.5, 36.33N, 0.07, 71.2E, 0.2, h102km, 16km, n35, c19/39, mb3.6/4, 1C-1D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Thein Dam, Dalhousie, Almayashu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like ARCES ARCESS Array B, NOA NORSAR Array B, etc.

NEIC 16 22:01:34.0, 0.31, 16S, 68.56W, h150km, After GUC.
GUC 16 22:01:34.0, 0.5, 31.16S, 68.56W, h150km, ML3.5, 2C-3D, San Juan Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Combarbala, Tololo Astrono, Ovch, etc.

DJA 16 22:16:43.8, 1.2, 9.45S, 116.63E, h80km, MD4.8/4, ML4.1/4, 3C-3D, Error ellipse: s-maj=38.9km s-min=21.6km az=171.0, Sumbawa region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like KEDI Kedomdong, RATI Rata, etc.

NEIC 16 22:17:30.9, 0.5, 51.58N, 16.19E, h5km, ML3.3(VIE), ML3.0(SZGRF), ML2.7(BRG), Error ellipse: s-maj=5.9km s-min=5.1km az=56.0
IDC 16 22:17:31.9, 0.9, 51.52N, 16.16E, mb3.2/1, mb1 3.5/6, mb1mx3.3/19, ML3.0/5, Error ellipse: s-maj=16.7km s-min=7.9km az=106.0

PRU 16 22:17:32.9, 51.48N, 16.11E, Fell In Harrochov
WAP 16 22:17:32.5, 51.53N, 16.14E, ML3.1, Mining Induced
BGR 16 22:17:35.5, 1.0, 51.43N, 16.05E, h1km, ML3.0/3, Error ellipse: s-maj=8.9km s-min=7.8km az=77.0
ISC 16 22:17:29.4, 0.5, 51.50N, 0.03, 16.14E, 0.03, n49, c19/36/90, mb3.3/1, 3C-1D, Poland

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

RAC Raciborz, RAC Raciborz, MORC Moravsky Berou, MORC Collm, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Collm, Ostrava-Krasne, VRAC Vranov, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like TANN Tannenbergstha, WERD Werd, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like NIE Niedoza, VYH Vyhne, etc.

ARSA Arszberg, CRVS Cervenica-Dubn, KBA Koelnbreinsper, DAVOX Davos, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like DAVOX Davos, FINES FINESS Array B, etc.

DJA 16 22:53:53.2, 0.9, 8.61S, 116.11E, h74km, 6km, MD4.6/4, ML5.1/2, 6C-3D, Error ellipse: s-maj=23.6km s-min=14.2km az=167.0, Sumbawa region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like KEDI Kedomdong, RATI Rata, etc.

STR 16 22:57:31.7, 0.5, 45.95N, 2.84E, h5km, 1km, MI1.7, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0
NEIC 16 22:57:32.0, 45.99N, 2.81E, h4km, ML1.7(STR), ML1.6(LDG), After LDG.
LDG 16 22:57:32.0, 0.1, 45.99N, 2.81E, h4km, Md1.7/1, MI1.6/5, Error ellipse: s-maj=2.3km s-min=1.1km az=138.0
ISC 16 22:57:30.7, 0.6, 45.99N, 0.03, 2.81E, 0.04, h10km, 9km, n13, c06/26, France

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

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

IFC 16 23:25:04.4, 1.6, 26.28N, 142.06E, mb3.8/4, mb1 4.0/4, mb1mx3.6/18, MS3.4/1, Ms1 3.4/1, ms1mx2.4/27, Error ellipse: s-maj=69.7km s-min=17.4km az=99.0
ISC 16 23:25:07.9, 1.4, 26.2N, 0.1x141.9E, 0.4, h33km, n5, c09/3/6, mb3.8/4, MS3.5/1, Bonin Islands region

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

GUC 17 00:12:54.0, 0.8, 30.49S, 68.96W, h150km, ML4.8
NEIC 17 00:12:55.2, 0.3, 30.52S, 68.81W, mb4.5/10, Error ellipse: s-maj=7.3km s-min=4.0km az=99.0
IDC 17 00:12:55.0, 0.7, 30.46S, 68.96W, h112km, 5km, mb4.2/8, mb1 4.4/10, mb1mx4.3/14, MS3.4/2, Ms1 3.3/2, ms1mx3.1/16, Error ellipse: s-maj=23.6km s-min=19.3km az=65.0
ISC 17 00:12:52.0, 0.6, 30.46S, 0.03, 68.60W, 0.06, h100km, 6km, n71, c09/6/6, mb4.4/16, 12C-7D, San Juan Province

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like CMCH Combarbala, MOX Moxa, etc.

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ISC 17:00:18:13:2:0.4, 46.40N:02:15.10E, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IDC 17:01:21:38:0.2, 1.1, 10N-127.73E, etc.

17d 2h

Table with columns: ILAR, Eielson Array, 58.04 24 P, P, 01 40 48.4 -1.9, etc.

IDC 17 01:39:57.5-2.0, 7.52S, 147.95E, mb3.7/3, mb1 4.0/4, m1mx4.0,9, ML3.7/1, MS3.0/2, Ms1 3.0/2, ms1mx2.9/13, Error ellipse: s-maj=75.0km s-min=27.8km az=121.0, NEIC 17 01:40:05.6-2.3, 7.46S, 147.68E, h54.6km, 18km, Error ellipse: s-maj=31.8km s-min=17.3km az=84.0

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

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

WAR 17 01:45:32.6, 50.36N, 18.86E, ML2.5, Mining Induced PRU 17 01:45:34.1, 50.35N, 18.77E

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

MOS 17 02:02:34.4, 2.9, 24.53S, 179.94W, h33km, mb5.6/8, Error ellipse: s-maj=92.0km s-min=19.0km az=107.4, IDC 17 02:02:43.4, 2.1, 25.31S, 177.55W, h150km, 1.2km, mb4.2/11, mb1 4.5/13, mb1mx4.5/16, MS3.7/4, Ms1 3.7/4, ms1mx3.5/16, Error ellipse: s-maj=29.9km s-min=13.9km az=148.0

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

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

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

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

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

2004 MAR

Table with columns: WRA, 1.6nm, 1.1s, b, baz=101, slow=16, SNR=2.9, etc.

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

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

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

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

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

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

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

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

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

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Table with columns: LPAZ, La Paz, 99.92 113 P, P, 02 16 12.4 +0.8, etc.

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

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

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

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

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

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

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

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

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



Table with columns: Station Name, Time, Res, ISC, Phase ID, h m s, ISC, Res. Includes stations like Ojcov, Cervencia-Dubn, Niekiza, Esdiksehir, Ksiaz, etc.

Table with columns: Station Name, Time, Res, ISC, Phase ID, h m s, ISC, Res. Includes stations like PCP, ORIF, MBDF, LFF, VIVF, PZZZ, ROB, FIORO, etc.

BUI 17 02:08:32.9, 45.76N, 83.74E, h13km, ML3.5
NINC 17 02:08:32.8±2.3, 45.85N:84.54E, mpv3.3, Error ellipse:
s-maj=21.2km s-min=12.7km az=65.0

Table with columns: Code, Station Name, Δ, AZ, Op, Phase ID, Time, Res, ISC. Includes stations like MK31, KURK, BVA0, etc.

FUNV 17 03:06:54.3, 8.19N x 73.06W, h162km, MD3.8, 2D, Northern Colombia

Table with columns: Code, Station Name, Δ, AZ, Op, Phase ID, Time, Res, ISC. Includes stations like CAPV, VIGV, SOCV, etc.

CSEM 17 03:20:36.1, 21.60S:65.62W, h33km, mb6.1
MOS 17 03:21:01.9, 1.21, 21.00S:65.72W, h241km, mb5.7/48,
M55, 0.6, Error ellipse: s-maj=11.8km s-min=6.0km

LDG 17 03:21:06.9, 0.4, 21.02S:65.73W, h290km, Mb5.2/38,
Ms4.8/9, Error ellipse: s-maj=28.9km s-min=9.8km az=82.0

SYO 17 03:21:07.9, 0.1, 21.12S:65.59W, h290km, Mb5.5
HRVD 17 03:21:07.9, 0.2, 21.24S:65.60W, h297km, Mb5.1/77,
Centroid moment tensor solution. LP body waves:

s77,c192,Mantle waves: s71,c103; Half duration: 2x7
Moment tensor: Scale 10^18Nm; M1=0.41±0.1;
M2=0.78±0.2; M3=0.36±0.2; M4=0.65±0.1; M5=0.50±0.2;
M6=1.22±0.1; Best double couple: M1.62x10^18 NP1:

0.286°, 828°, λ-18°. NP2: 0.32°, 682°, λ-117°. Principal
axes: T1: 62°, P1: 37°, Azm114°; N-01, P1: 27°,
-1.61, P1: 47°, Azm174°. nsta1 refers to body waves,
cutoff=40s. nsta2 refers to mantle waves, cutoff=125s.

BUI 17 03:21:07.2, 0.2, 64S:65.76W, h284km, mb5.6
NEIC 17 03:21:07.9, 0.1, 21.12S:65.59W, mb5.5/65, ME5.7,
MW6.1, Error ellipse: s-maj=4.8km s-min=3.0km az=209.0
Broadband fault plane solution: P waves. NP1: 0.38°, 885°,
λ-90°. NP2: 0.218°, 85°, λ-90°. Principal axes: T1: 64°,
Azm128°; N1: 161°, Azm308°; P1: 50°; Azm308°;
Moment tensor solution. s53 Moment tensor: Scale 10^18 Nm;
M1=0.22; M2=0.04; M3=0.26; M4=0.95; M5=0.03;
M6=1.21; Best double couple: M1.62x10^18 NP1: 0.157°;
0.67°, λ-151°. NP2: 0.37°, 873°, λ-84°. Principal axes: T1: 5,
P1: 42°, Azm122°; N1: 161°, Azm217°; P1: 1.61, P1: 48°,
Azm313°; Depth from broadband displacement
seismograms. Energy computed from BB mechanism.

NEIC [L] [I] [J] at Antofagasta, Maria Elena and Sierra Gorda;
[II] Mejillones, Talital and Tocopilla, Chile. [L] [I] [J] at La Paz.

IDC 17 03:21:08.1±0.5, 21.10S:65.69W, h292km, mb5.3/17,
mb1.5/419, mb1mx5.4/19 Error ellipse: s-maj=13.2km
s-min=8.6km az=74.0

ISC 17 03:21:06.8±0.1, 21.13S:0.03:65.63W, 0.03, h291km,
h2181km, 7km, mb5.3, p-P, n765, e0.99/619, mb5.5/212, 67C-69D,
Southern Bolivia

Table with columns: Code, Station Name, Δ, AZ, Op, Phase ID, Time, Res, ISC. Includes stations like LVC, LVO, LVO, etc.

Table with columns: Station Name, Time, Res, ISC, Phase ID, h m s, ISC, Res. Includes stations like CPUP, ORIF, MBDF, LFF, VIVF, PZZZ, ROB, FIORO, etc.

17d 3h

Table with columns for location, time, and status. Includes entries like ZACATECAS, GODFREY, JENKINSVILLE, etc.

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Table with columns for location, time, and status. Includes entries like RIKITEA, BINGHAMTON, SAINT LOUIS, etc.

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Table with columns for location, time, and status. Includes entries like SAN RAFAEL, NELSON, MARYSVALE, etc.









Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like KZA, DLBC, K108, PKI, UCH, DMS, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like NB2, NOA, KIV, TI2, PDAR, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like SRO, COBT, MOX, MOX, MOX, etc.

17h 5h

Table with columns: Station, Time, Magnitude, Location, and other parameters. Includes stations like Echery, Feldberg, Grg, Nky, etc.

Table with columns: Station, Time, Magnitude, Location, and other parameters. Includes stations like Djns, Mtlf, Swet, Esparos, etc.

Table with columns: Station, Time, Magnitude, Location, and other parameters. Includes stations like Igt, Igtoumenitsa, Litokhoron, etc.





17d 5h

2004 MAR

Table with columns for country codes (RAC, GERS, PZZ, etc.), city names (Stuetta, GERESS Array B, etc.), dates, and various performance metrics (eSS, SS, etc.).

Table with columns for country codes (ETOS, SLE, SULZ, etc.), city names (Mallorca, Sleihteim, etc.), dates, and various performance metrics (P, P, P, etc.).

Table with columns for country codes (WLS, LRDF, GDF, etc.), city names (Welschbruch, Larouque-de-Fa, etc.), dates, and various performance metrics (eP, P, P, etc.).

Table with columns: ORDF, LTHS, IGIN, etc. and rows listing various locations and their corresponding statistics.

Table with columns: MUD, VSU, ROSF, SIW, SFS, SKPI, etc. and rows listing various locations and their corresponding statistics.

Table with columns: BDL, BBO1, NA001, NAO01, BHH, KAF, etc. and rows listing various locations and their corresponding statistics.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like APA, APATITY, and various other call signs.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like RPO, ROSAIS, and various other call signs.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KGD, CUDDAPAH, and various other call signs.



Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like KSWY, WTV, CMW, PDAR, etc.

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like LPAZ, HOPS, DAC, TUC, etc.

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like PMG, CTA, KAKA, WRAB, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Borovoye Array, Chkalovo, Zerkenda, etc.

MAN 17 06:03:48.7, 11.17N, 124.70E, h5km, mb4.8, ML3.7, MS3.6, 2C-2D, Leyte

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Ormoc, Palo, Borongan, etc.

IDC 17 06:11:58.3, 1.2, 2.58N, 84.86W, mb3.7/8, mb1.4, 1/10, mb1mx4, 0/20, ML2.5/1, Error ellipse: s-maj=37.2km, s-min=20.7km az=45.0

NEIC 17 06:12:00.3, 0.6, 2.68N, 84.63W, h10km, mb4.2/4, Error ellipse: s-maj=12.8km s-min=10.4km az=57.0

CASC 17 06:12:10.3, 1.4, 3.22N, 84.20W, h35km, 999km, MD4.2, mb4.2(NEIC)

ISC 17 06:12:00.1, 2.3, 2.72N, 85.84W, h21km, 19km, n25, r15/29, mb3.8/10, 1C, Off coast of central America

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Puerto Ayora, Otavalo, Jicaral, etc.

MAN 17 06:16:25.2, 11.15N, 124.71E, h12km, mb5.4, ML4.3, MS4.5

MAN F TONGANAN LEYTE V PALO LEYTE III LAPU LAPU II. MOS 17 06:16:30.3, 1.3, 11.43N, 124.85E, h42km, mb5.4/9, MS4.9/10, Error ellipse: s-maj=27.9km s-min=11.1km az=107.2

IDC 17 06:16:31.9, 4.6, 11.15N, 124.67E, h53km, 41km, mb4.4/15, mb1.4/16, mb1mx4.6/18, ML3.9/1, MS4.7/11, Ms1.4/7/11, ms1mx4.6/21, Error ellipse: s-maj=21.8km s-min=14.7km az=72.0

BUI 17 06:16:32.7, 11.20N, 124.82E, h79km, mb5.3, mb4.9, MS5.1, MS4.9

NEIC 17 06:16:34.0, 1.5, 11.16N, 124.71E, h73km, 13km, mb5.0/20, Error ellipse: s-maj=10.7km s-min=5.7km az=75.0

NEIC Felt (P VIS) at Tongonan and (III PIVS) at Palo. Felt (I PIVS) at Lapu-Lapu City, Cebu.

HRVD 17 06:16:34.0, 0.3, 11.09N, 124.70E, h75km, 3km, MW5.4/58,

Centroid moment Tensor Solution. LP body waves: s18, c21; Mantle waves: s58, c100; Half duration: 1s2 Moment tensor: Scale 10^17Nm; Mr: 1.68t, 0.8; Mw: 0.01t, 0.6; Mw: 1.66t, 0.5; Mw: 0.25t, 0.4; Mw: 0.14t, 0.4; Mw: 0.03t, 0.6; Best double couple: Mo: 1.69x10^17 Np1; axes: T: 1.72, P: 1.72, N: 1.72; N: -0.4, P: 0.8, Azm: 355; P: -1.67, P: 0.8, Azm: 265; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s.

ISC 17 06:12:26.0, 4.1, 11.13N, 102.124, 72E, 0.03, h19km, 3km, n165, r16/20, mb5.0/51, MS4.8/21, 10C-6D, Leyte

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Ormoc, Palo, Borongan, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KAD, AJM, AKM, MKAR, etc.







Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Kilpisjarvi, Kautokoino, Sodankyl, Lofoten, Mol Rana, ARCESS Array S, Kevo, Oulu, Maaseika, Kajaani, Västana, FINESS Array S, Hagfors, GUC 17 11:05:49.4-0.7, 35.07S:70.59W, h1km, 2.2km, MD4.0, ML3.5, 12C-7D, Chile-Argentina border region.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include San Fernando, Cipreses, Talca, CHCH, LMEL, LNV, TACH, PCH, ANTU, FSR, RCDM, DSCH, CLCH, FCH, LCCH, PEL, CCHI, COCH, ROCH, IHA, JACH, IDC 17 11:23:50.2, 1.8, 4.56N:93.68E, mb3.7/4, mb1 3.9/5, mb1mx3.8/12, ML4.0/1, Error ellipse: s-maj=81.7km, s-min=24.1km, az=55.0.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Chiang Mai Arr, Makanchi Array, WARRAMUNGA ARR, Alice Springs, FINESS Array B, MAN 17 11:34:26.2, 11.19N:124.69E, h6km, mb4.3, ML3.1, MS2.9, Leyte, OCLP, BESP, MSLP, CNP, TBP, GUIM, PAGZ, PGC 17 11:34:27.4, 48.44N:122.27W, h1km, ML3.5/28, Mw4.2/7, MD3.8(SEA), Near Mount Vernon, Washington, NEIC 17 11:34:27.3, 48.45N:122.27W, h0km, MD3.8(SEA), After Sea, NEIC FEAT [V] at Mount Vernon, [III] at Burlington and Sedro Woolley, PNSN 17 11:34:27.48, 45N:122.27W, h0km, MD3.8, Fault plane solution: NP1:110, 835, NP2:314, 857, Principal axes: T P1g11, Azm34, P P1g74, Azm260, Fault plane solution: NP1:285, 865, NP2:146, 832, Principal

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Cutlus Mountain, Silver Creek, Silver Beach E, Mount Constitu, Rockport, Mt Anne Substat, Vedder Mountain, Vedder Mountain, Bald Mountain, Sequim, Blyn Mountain, Leota Junior H, Brookside Elem, Sroaka Island, Saturna Island, East Ridge Sc, Haystack Looko, Finn Hill Juni, Kitsap County, Lawton Element, Kitsap County, Alcot Element, Queen Anne, Sidney, Sidney, Wilburton Inst, Toit Reservoir, Haney, Pine Lake Midd, Holy Trinity, Green Mountain, Gold Mountain, Galiano Island, Striped Peak, Echo Lake, Olympic Hill E, Rattlesnake Mt, Mount Lazard, Wenatchee Ridg, Hope, Bowen Island, McNeil Island, Olympic Boni, Grass Mountain, Nelson Butte, Sugar Loaf, Watts Point, Nanaimo Lost L, Garrison Hill, Olympics-Tyee, Octopus Mounta, Octopus Mounta, Pierce County, Mount Rainier-E, Entiat, Pierce County, Mount Fremont, Sechelt, Capitol Peak, Ironsday, Mount Rainier-CBSW, Chelan Butte S, Mount Rainier-TBM, Table Mountain, Mount Grey, Longmire, Waterville, Dyer Hill 2, Whistler, BC, Ladd Mountain, White Pass, Texada, Ellensburg, Glacier Lake, Pentiction, Naches, Kosmos, Man Moun, Boisfort Moun, Tradadrolla Ar, Ephrata, Elk Rock, Lillooet, Mount Ozzard, Mount Ozzard, Yellow Peak, East Dome, Flat Top 2, Mount Saint He, South Ridge, Beverly, June Lake, Moxie City, Cedar Flats, Mount Adams-S, Lakeview Peak, Buttle Lake, Frenchman Hill, Mount Mitchell, Nicolai Mounta, Wahluke Slope, Black Rock Lake, Midway, Corfu, Gable Butte, Campbell River, Benson Ranch, Gable Mountain, Gable Mountain, Snively Ranch, Warden, Othello 3, Rattlesnake Hi, Hanford, Davenport, Water, Prosser, Wooded Island, Kings Mountain, Estevan Point, Gordon Butte, Newcastle Ridg, Newburg, Woss, Newport, Newport, Eliza Dome, Sweet Springs, Linnton Mounta, Maynard, Corvallis, Downie Slide, Brooks Peninsu, Port Hardy, Holberg, Harness Mounta, Bella Bella, Bella Bella, Water Lakes, Water Lakes, Hull Mountain, Chamberlain Mo, Modoc, Yreka Blue Hor, Holter Researc, Hailey, Lac du Bonnet, Inuvik, Eielson Array, Matias Romero.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Moxie City, Cedar Flats, Mount Adams-S, Lakeview Peak, Buttle Lake, Frenchman Hill, Mount Mitchell, Nicolai Mounta, Wahluke Slope, Black Rock Lake, Midway, Corfu, Gable Butte, Campbell River, Benson Ranch, Gable Mountain, Gable Mountain, Snively Ranch, Warden, Othello 3, Rattlesnake Hi, Hanford, Davenport, Water, Prosser, Wooded Island, Kings Mountain, Estevan Point, Gordon Butte, Newcastle Ridg, Newburg, Woss, Newport, Newport, Eliza Dome, Sweet Springs, Linnton Mounta, Maynard, Corvallis, Downie Slide, Brooks Peninsu, Port Hardy, Holberg, Harness Mounta, Bella Bella, Bella Bella, Water Lakes, Water Lakes, Hull Mountain, Chamberlain Mo, Modoc, Yreka Blue Hor, Holter Researc, Hailey, Lac du Bonnet, Inuvik, Eielson Array, Matias Romero, NEIC 17 11:44:32.0-1.7, 19.99N:95.32W, h27km, 10km, mb4.1/7, MD4.3(MEX), Error ellipse: s-maj=7.4km s-min=6.7km, az=149.0, MEX 17 11:44:33.5-1.7, 18.06N:95.35W, h64km, 16km, MD4.3, IDC 17 11:44:36.9-3.3, 18.41N:95.01W, h47km, 29km, mb3.7/6, mb1 3.9/8, mb1mx3.7/20, ML3.4/2, Error ellipse: s-maj=45.4km s-min=22.8km az=14.0, NEIC 17 11:43:32.0-1.4, 18.04N:102.95W, h43km, 10km, mb4.1/7, MD4.3(MEX), Error ellipse: s-maj=7.4km s-min=6.7km, az=149.0, Code, Station Name, Az, Phase ID, Time, Res. Rows include Evv, El Viga, TUIG, TUIG, CMIG, CMIG.

Table of station data for Oaxaca region, including stations like OXX, VHO, POHV, ISM, SCX, PPM, etc. with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC.

Table of station data for COLA region, including stations like COLA, ILI, ILAR, ILAR, MDM, etc. with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC.

Table of station data for ISC 17 12:18:32.0, including stations like RAR, RAR, RAR, ARMA, etc. with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC.

Table of station data for IDC 17 11:46:53.1, including stations like VCI, WWT, CCM, etc. with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC.

Table of station data for IDC 17 11:53:36.9, including stations like WRA, WRA, WRA, etc. with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC.

Table of station data for ISC 17 12:18:32.0, including stations like HRH, USHA, BILL, etc. with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC.

Table of station data for IDC 17 11:46:53.1, including stations like WCI, WCI, WCI, etc. with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC.

Table of station data for WEL 17 11:54:17.0, including stations like KHZ, KHZ, BSWZ, etc. with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC.

Table of station data for ISC 17 12:18:32.0, including stations like OJC, KSP, CLL, etc. with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC.

Table of station data for IDC 17 11:46:53.1, including stations like SYI, SYI, KDC, etc. with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC.

Table of station data for WEL 17 11:54:17.0, including stations like CRIZ, CRIZ, WEL, etc. with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC.

Table of station data for ISC 17 12:18:32.0, including stations like KHC, GERES, ROSF, etc. with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC.

Table of station data for IDC 17 11:46:53.1, including stations like SYI, SYI, KDC, etc. with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC.

Table of station data for WEL 17 11:54:17.0, including stations like WEL, WEL, WEL, etc. with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC.

Table of station data for ISC 17 12:18:32.0, including stations like SYI, SYI, KDC, etc. with columns for Code, Station Name, Az, Phase ID, Time, Res, and ISC.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NORSTAR Array B, NORSAR Array S, Aynunah, etc.

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

MOS 17 13:37:37.61, 4.0, 70.335x177.43W, h33km, mb5.6/14, MS5.0.5, Error ellipse: s-maj=52.1km s-min=22.3km az=106.3

HRVD 17 13:37:42.0, 2.30, 366.5x177.77W, h34km, 1km, MW5.5/76, Centroid moment Tensor Solution. LP body waves: s63,c116,Mantle waves: s76,c143; Half duration: 1s3

ISC 17 13:37:39.8, 0.2, 30.865x147.778E, mb3.3/3, mb1 3.5/3, s-min=26.8km, az=61.0, Celebes Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WIZ White Island, PUZ Puketiti, KUZ Kuaotunu, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like MRW Makara Radio, MRW South Karori, SNZO Topouse, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like USHA Ushuaia, USHA Suva Base, USHA Suva Base.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like VNA3 Neumayer-Olymp, VNA3 Neumayer-Olymp, VNA3 Neumayer-Olymp.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like VNA1 Neumayer-Stat, VNA1 Neumayer-Stat, VNA1 Neumayer-Stat.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like VNA1 Matushiro, VNA1 Matushiro, VNA1 Matushiro.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like NISHM Saint Helen, PFO Pinyon Flat Ob, PFO Pinyon Flat Ob.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like HUMO Hull Mountain, HUMO Tonopah, BUOR Burton Bute, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like SPUT South Promonto, SPUT Chiang Mai, SPUT Hansel Valley.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like TCUT Toone Canyon, TCUT Rabbit Creek A, TCUT Sunita One.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like PDAR Pineadale Array, PDAR Pineadale Array, PDAR Pineadale Array.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like PDAR Pineadale Array, PDAR Pineadale Array, PDAR Pineadale Array.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like MCK McKinley, MCK McKinley, MCK McKinley.

17Z 13h

Table of meteorological data for 17Z 13h, including station names, coordinates, and various atmospheric parameters like temperature, pressure, and wind.

2004 MAR

Table of meteorological data for 2004 MAR, listing stations and their corresponding data points.

364

Table of meteorological data for 364, including station names, coordinates, and atmospheric parameters.

Table with 12 columns: Code, Station Name, Azimuth (A° AZ°), Phase ID, Time, Res, and ISC. Lists various stations like EBERT, ELOJ, LLOJ, etc.

MAN 17 14:04:13.4, 19.02N, 121.24E, h16km, mb4.6, ML3.5, MS3.4, 1C, Philippine Islands region

Table with 12 columns: Code, Station Name, Azimuth (A° AZ°), Phase ID, Time, Res, and ISC. Lists stations like SGCP, APYP, Callao Caves, etc.

IDC 17 14:05:50.8-3.4, 30.71S, 177.58W, mb3.5/2, mb1 3.8/3, mb1mx3.7/12, ML3.2/1, Error ellipse: s-maj=75.4km

Table with 12 columns: Code, Station Name, Azimuth (A° AZ°), Phase ID, Time, Res, and ISC. Lists stations like URZ, ASAR, WRA, FINES, etc.

IDC 17 14:11:52.4-3.0, 32.17S, 177.98W, mb3.9/2, mb1 4.1/3, mb1mx3.9/12, ML3.4/1, Error ellipse: s-maj=69.3km

Table with 12 columns: Code, Station Name, Azimuth (A° AZ°), Phase ID, Time, Res, and ISC. Lists stations like URZ, ASAR, WRA, FINES, etc.

NEIC 17 14:16:12.6, 38.90S, 175.13E, h219km, After WEL, WEL 17 14:16:13.1-0.3, 38.90S, 175.18E, h214km, 2km, ML4.1/6, 1C-3D, Error ellipse: s-maj=3.6km s-min=2.3km az=1.0, North Island

Table with 12 columns: Code, Station Name, Azimuth (A° AZ°), Phase ID, Time, Res, and ISC. Lists stations like MGZ, WTVZ, VRZ, etc.

Table with 12 columns: Code, Station Name, Azimuth (A° AZ°), Phase ID, Time, Res, and ISC. Lists stations like KOKOHU, BIRCH FARM, etc.

IDC 17 14:42:32.3-3.3, 31.95S, 178.22W, mb3.4/2, mb1 3.7/3, mb1mx3.6/12, ML3.1/1, Error ellipse: s-maj=74.6km

Table with 12 columns: Code, Station Name, Azimuth (A° AZ°), Phase ID, Time, Res, and ISC. Lists stations like URZ, ASAR, WRA, FINES, etc.

NEIC 17 14:54:07.9-0.5, 16.55N, 146.51W, h10km, mb4.8/18, Error ellipse: s-maj=12.9km s-min=7.3km az=165.0

Table with 12 columns: Code, Station Name, Azimuth (A° AZ°), Phase ID, Time, Res, and ISC. Lists stations like MTP, HUMF, SJG, etc.

MOS 17 14:54:10.6-0.8, 17.32N, 146.41W, h10km, mb5.0/6, Error ellipse: s-maj=39.3km s-min=22.2km az=54.1

Table with 12 columns: Code, Station Name, Azimuth (A° AZ°), Phase ID, Time, Res, and ISC. Lists stations like MTP, HUMF, SJG, MGP, etc.

Table with 12 columns: Code, Station Name, Azimuth (A° AZ°), Phase ID, Time, Res, and ISC. Lists stations like MOX, GERES, CLL, etc.

IDC 17 15:03:05.2, 50.27N, 18.83E, h1km, Location given by Central Institute of Mining, origin time based on IUC

Table with 12 columns: Code, Station Name, Azimuth (A° AZ°), Phase ID, Time, Res, and ISC. Lists stations like GOF, ILAR, COLA, etc.

IDC 17 15:03:02.1, 2.50N, 148.8E, 0.2, h25km, n5, 0.25/6, Hokkaido region

Table with 12 columns: Code, Station Name, Azimuth (A° AZ°), Phase ID, Time, Res, and ISC. Lists stations like GNI, GNI, ARU, etc.

SKHL 17 15:59:54.2-0.1, 55.16N, 142.07E, h10km, mb3.8/2, Sea of Okhotsk

Table with 12 columns: Code, Station Name, Azimuth (A° AZ°), Phase ID, Time, Res, and ISC. Lists stations like PRU, WAR, etc.

NIED 17 15:18:00.4, 70N, 144.0E, h17km, Mw3.7 Best double couple: M3.7x10^14 NP1, 81.7, 82.2, 151.1. NP2, 25.260, 84.2, 153.3

Table with 12 columns: Code, Station Name, Azimuth (A° AZ°), Phase ID, Time, Res, and ISC. Lists stations like OKC, NIE, etc.

IDC 17 15:45:46.2-1.4, 2.42N, 127.07E, mb3.3/3, mb1 3.5/3, mb1mx3.3/12, Error ellipse: s-maj=160.0km

Table with 12 columns: Code, Station Name, Azimuth (A° AZ°), Phase ID, Time, Res, and ISC. Lists stations like WRA, ASAR, MKAR, etc.





Table with columns for station name, frequency, power, and other technical details. Includes stations like BOSA, SADO, JFWS, SDCO, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like PAHR, QMKT, HLID, BEKR, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like ILAR, FINES, KAF, MALT, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NVS, ULHL, SDNS, SVNR, etc.

NEIC 17 17:00:29.1, 34.97N-2.70W, MG3.9(MDD), After MDD. INMG 17 17:00:29.0, 34.93N-2.77W, h5km, 3km, ML2.8, Error ellipse: s-maj=4.1km s-min=4.0km az=8.0

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

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

NEIC 17 17:00:29.1, 34.97N-2.70W, MG3.9(MDD), After MDD. INMG 17 17:00:29.0, 34.93N-2.77W, h5km, 3km, ML2.8, Error ellipse: s-maj=4.1km s-min=4.0km az=8.0

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

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

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

IDC 17 17:51:05.5, 3.9, 24.08S; 66.90W, h181km, 32km, mb3.4/2, mb1 3.7/5, mb1mx3.5/13, Error ellipse: s-maj=45.4km s-min=20.1km az=44.0

GUC 17 17:51:06.9, 0.6, 24.21S; 67.25W, h200km, ML4.7. NEIC 17 17:51:06.9, 0.6, 24.21S; 67.25W, h200km, After GUC.

ISC 17 17:51:04.5, 0.8, 24.22S; 0.07, 66.97W, 0.09, h193km, 11km, m13, r195/14, mb3.5/2, 3C, Salta Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LVC, LVC, CPN1, etc.

NEIC 17 18:11:58.7, 34.94N; 4.02W, h71km, MG3.4(MDD), After MDD

MDD 18:11:59.0, 1.1, 35.19N-4.11W, mb3.7/1, Error ellipse: s-maj=11.6km s-min=4.7km az=20.0, PRXIMO

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

IDC 17 18:19:5.0, 0.30, 195:178.39W, mb3.5/2, mb1 3.8/2, mb1mx3.6/10, Error ellipse: s-maj=292.0km s-min=70.0km az=167.0, Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include ASAR Alice Springs, WRA Warramunga Arr, FINES FINESS Array B.

IDC 17 19:28:55.8, 4.0, 35.80N:71.28E, mb4.2/4, mb1 4.2/6, mb1mx3.8/15, ML3.7/2, Error ellipse: s-maj=74.4km s-min=41.3km az=159.0

NNC 17 19:29:19.6, 4.7, 37.19N:70.76E, h138km, az=12km, mpv4.4, Error ellipse: s-maj=47.3km s-min=31.0km az=177.0

ISC 17 19:29:10.0, 0.5, 36.43N:0.03, 71.53E:0.06, h125km, gkm, n50, c1928/62, mb4.4/8, 4C-4D, Afghanistan-Tajikistan border region

Main table for the first section containing station data for various locations like Cherat, Chirah Chowk, Thamei Hail, Sheikn Budin, etc.

IDC 17 19:38:51.2, 4.5, 6.95S:106.79E, mb3.7/4, mb1 3.9/4, mb1mx3.8/10, Error ellipse: s-maj=219.0km s-min=23.0km az=51.0

DJA 17 19:38:58.4, 0.9, 10.09S:106.60E, h240km, MD4.6/3, ML5.6/1, Error ellipse: s-maj=132.0km s-min=20.8km az=170.0

ISC 17 19:39:10.9, 2.8, 6.45S:0.3, 107.6E:0.2, h181km, mb26km, n8, c0888/12, mb3.4/4, 4C-4D, Jawa

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include KELI Kelakatan, KEDI Kedondong, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array.

DJA 17 19:51:20.9, 0.8, 9.74S:115.99E, h320km, MD4.5/4, ML4.4/4, Error ellipse: s-maj=48.3km s-min=31.6km az=14.0

IDC 17 19:51:44.7, 3.8, 10.24S:118.22E, h225km, 41km, mb2.9/2,

mb1 2.9/3, mb1mx2.9/8, Error ellipse: s-maj=101.0km s-min=1.6km az=46.0

ISC 17 19:51:22.3, 1.3, 11.22S:0.1, 116.6E:0.2, h100km, n7, c0555/13, mb3.5/1, 4C-3D, South of Sumbawa

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

IDC 17 19:56:38.2, 1.0, 14.20N:145.65E, mb3.7/6, mb1 3.9/6, mb1mx3.8/13, Error ellipse: s-maj=52.3km s-min=21.4km az=104.0

NEIC 17 19:56:50.3, 2.0, 14.11N:145.62E, h98km, mb16km, Error ellipse: s-maj=48.0km s-min=19.9km az=107.0

ISC 17 19:56:49.4, 2.0, 14.11N:0.2, 145.5E:0.4, h103km, mb16km, n7, c132/8, mb3.6/6, Mariana Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Rows include GUMO Guam, WARRAMUNGU ARR, ASAR Alice Springs, MKAR Makanchi Array, ILAR Eielson Array, YKA Yellowknife Arr.

IDC 17 20:37:38.2, 0.5, 7.96S:156.34E, mb4.8/15, mb1 4.9/15, mb1mx4.9/17, MS4.1/14, MS1.4, 1/14, ms1mx4.0/20, Error ellipse: s-maj=20.6km s-min=17.0km az=107.0

BJI 17 20:37:43.7, 7.80S:156.55E, h61km, mb5.2, mb5.2, Ms4.1, Ms2.4

NEIC 17 20:37:46.5, 1.5, 7.95S:156.31E, h62km, 13km, mb5.1/22, Error ellipse: s-maj=9.4km s-min=8.0km az=89.0

HRVD 17 20:37:46.5, 0.4, 7.93S:156.57E, h77km, 3km, MW5.1/49, Centroid moment Tensor Solution. LP body waves: s9c9; Mantle waves: s49c74; Half duration: 0. Moment tensor: Scale 10^18Nm; Mr=6.36e-34; Mw=5.01e-21; Mw1.36e-23; Mw1.23e-24; Mw2.30e-22; Mw0.73e-19; Best double couple: Mw1.36e-23; Mw1.23e-24; Mw2.30e-22; Mw0.73e-19; Azm155; N45; P10; Azm248; P-6.62; P180; Azm45; nsta1 refers to body waves, cutoff=40s; nsta2 refers to surface waves, cutoff=50s.

MOS 17 20:37:49.2, 1.3, 7.64S:156.04E, h85km, mb5.2/9 Error ellipse: s-maj=14.0km s-min=10.7km az=88.2

ISC 17 20:37:43.6, 2.4, 7.90S:0.06, 156.33E:0.06, h52km, 21km, n164, c1903/97, mb5.0/5, MS4.1/17, 7C-3D, Bougainville - Solomon Islands region

Main table for the second section containing station data for various locations like Port Moresby, Charters Tower, Charters Tower, etc.

comp=Z, 32nm, 1.3s, mb5.2 Beijing 60.41 325 P P 20 47 49.3 -0.9

Main table for the third section containing station data for various locations like Beijing, Chiang Mai Arr, Chiang Mai Arr, etc.

17d 22h

Table with columns: BRVK, Borovy, 93.88 323, P, P, 20 50 55.2 -1.3. Includes various station codes and coordinates.

MAN 17:20:38:27.1, 16.38N-120.84E, h27km, mb4.4, ML3.2, MS3.0, 1D, Luzon

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

IDC 17:20:42:49.8-9.7, 20.62S-178.30W, h469km, 112km, mb3.2/4, mb1 3.6/4, mb1mx3.4/10, Error ellipse: s-maj=327.0km s-min=36.8km az=157.0, Fiji Islands region

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

NEIC 17:20:44:00.9-1.4, 51.35N-179.09E, h58km, 9km,

2004 MAR

ML3.4(AEIC), Error ellipse: s-maj=41.1km s-min=8.1km az=184.0, IDC 17:20:42:02.6, 3.51, 36N-179.11E, h17km, 45km, mb3.0/4, mb1 3.4/4, mb1mx3.2/18, ML3.8/1, Error ellipse: s-maj=84.1km s-min=23.0km az=179.0, ISC 17:20:43:59.3-1.7, 51.3N, 0.3-179.09E, 0.08, h66km, 10km, n17, 0.83/21, mb3.3/4, Rat Islands

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

NEIC 17:20:57:21.3, 48.34N-6.66E, h5km, ML2.1(STR), After STR

STR 17:20:57:21.3-0.3, 48.34N-6.66E, h5km, 1km, ML2.1, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0, BGR 17:20:57:21.7-0.3, 48.35N-6.67E, h10km, ML1.7/2, Error ellipse: s-maj=3.3km s-min=2.2km az=80.0, ISC 17:20:57:20.0-0.6, 48.36N-0.02-6.66E-0.04, h10km, n19, 0.66/31, France

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

IDC 17:21:06:10.0-3.7, 8.98S-110.91E, mb3.5/3, mb1 3.7/3, mb1mx3.6/9, Error ellipse: s-maj=208.0km s-min=24.7km az=47.0, DJA 17:21:06:18.2-0.9, 9.63S-111.50E, h160km, MD4.7/3, ML5.0/4, Error ellipse: s-maj=49.7km s-min=18.2km az=164.0, ISC 17:21:06:22.5-9.2, 8.4S-0.3-111.6E-0.2, h106km, 26km, n8, 0.81/12, mb3.3/3, 5C-4D, Jawa

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

IDC 17:21:12:31.6-6.8, 7.12S-129.02E, h171km, 73km, mb3.0/1, mb1 3.2/3, mb1mx3.1/8, Error ellipse: s-maj=145.0km s-min=25.8km az=70.0, Banda Sea

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

IDC 17:21:17:43.8-1.3, 24.90N-109.122.9E, 0.1, h18km, n7, 0.1507/8, mb3.5/3, Taiwan region

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

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JKRS Kuro-shima 1.20 123 P Pb 21 18 05.5 -0.3 MKAR Makanchi Array 38.93 315 P P 21 25 09.5 -0.9 WRA Warramunga Arr 45.94 165 P P 21 26 10.8 +3.1 ASAR Alice Springs 49.44 167 P P 21 26 38.5 +3.5

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

JMA 17:21:34:59.4-0.2, 28.56N-128.76E, h43km, M3.6, Ryukyu Islands

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

CASC 17:21:38:05.8-1.9, 12.47N-87.83W, h42km, 83km, MD3.5, 2C-4D, Near coast of Nicaragua

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

NEIC 17:21:47:26.3, 38.73N-20.30E, h23km, MD3.3(ATH), After ATH

ATH 17:21:47:26.3, 38.73N-20.30E, h23km, 11km, MD3.3/5 THE 17:21:47:27.5, 38.75N-20.46E, h86km, ML3.1, ISC 17:21:47:26.8-1.0, 38.70N-0.04-20.41E-0.08, h22km, 7km, n14, 0.85/22, Greece

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

JMA 17:21:51:11.9-0.1, 27.77N-143.21E, h37km, 5km, M3.2, IDC 17:21:51:13.7-9.7, 27.50N-143.29E, h38km, 60km, mb3.6/4, mb1 3.7/4, mb1mx3.4/16, Error ellipse: s-maj=65.2km s-min=25.6km az=76.0, ISC 17:21:51:14.3-0.2, 27.81N-0.05-142.8E-0.5, h79km, 25km, n10, 0.82/14, mb3.7/4, Bonin Islands region

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

JMA 17:22:05:04.1-0.2, 27.57N-143.38E, h39km, M3.5, IDC 17:22:05:06.6-3.7, 27.48N-143.27E, h39km, 47km, mb3.6/5, mb1 3.8/5, mb1mx3.5/16, MS2.5/1, Ms1 2.5/1, ms1mx2.4/18, Error ellipse: s-maj=52.6km s-min=23.8km az=74.0, ISC 17:22:05:00.9-2.7, 27.68N-0.07-143.4E-0.1, h19km, 17km, n13, 0.97/15, mb3.8/5, Bonin Islands region

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JHHU, JHY, JRU, etc.

MOS 1722:07:47.2, 1.0, 17.74N, 147.07E, h33km, mb4.7/6, Error ellipse: s-maj=48.5km s-min=14.3km az=119.6

BUJ 1722:07:47.0, 18.40N, 147.30E, h10km, mb4.7, Msz4.7 Error ellipse: s-maj=14.5km s-min=8.3km az=96.0

IDC 1722:07:53.6, 4.4, 18.48N, 147.27E, h46km, mb4.3/m3/8/12, mb1.4/1/3, mb1mx4.1/1.6, ML5.6/1, MS3.5/1, Ms1.3/5.1, ms1mx2.8/2.4, Error ellipse: s-maj=28.4km s-min=15.7km az=107.0

ISC 1722:07:51.3, 3.1, 18.37N, 0.07, 147.2E, 0.1, h43km, 26km, n43, c0598/42, mb4.3/24, 2C, Mariana Islands region

Main table of station data for the first section, including stations like CBJJ, JWRW, WBA, WRA, AS12, ASAR, etc.

THE 1723:22:37.4, 38.66N, 21.04E, h10km, ML3.1 ATC 1723:22:38.5, 38.22N, 21.29E, h30km, MD3.3/4

ISC 1723:22:36.2, 11.3865N, 0.0621, 0.05, h3km, 6km, n17, c1205/24, Greece

Table of station data for the second section, including stations like LKD, EVR, JAN, etc.

BUC 1723:42:08.1, 2.4, 45.69N, 26.53E, h158km, 19km, MD4.5/3,

Error ellipse: s-maj=16.4km s-min=14.4km az=60.0 NEIC 1723:42:15.2, 0.6, 45, 44N, 26.75E, h100km, 7km, mb3.6/9, MD4.5(BUC), Error ellipse: s-maj=14.1km s-min=7.4km az=204.0

MOS 1723:42:17.2, 2.0, 45.79N, 26.53E, h88km, mb4.0/1, Error ellipse: s-maj=12.7km s-min=7.2km az=88.0

SOF 1723:42:18.0, 4.5, 79N, 26.41E, h100km, MD3.2, IDC 1723:42:18.6, 0.8, 45, 82N, 26.52E, h139km, mb3.6/2/3, mb1.3/3.8, mb1mx3.1/2.0, Error ellipse: s-maj=51.3km s-min=19.6km az=33.0

ISC 1723:42:16.0, 0.3, 45.82N, 0.03, 26.65E, 0.04, h120km, 5km, comp=E, 0.8nm, 0.7s, mb3.7, baz=305, slow=8.8, SNR=5.3

Main table of station data for the second section, including stations like VRI, BRD, MLR, etc.

BUJ 1723:53:05.1, 35.33N, 121.79W, h1km, mb5.4, mb5.0, Msz4.8

NEIC 1723:53:07.0, 35.74N, 121.08W, h2km, mb4.9/34, MS4.3/3, MW4.5(BRK), After NCEOD.

NEIC Felt [V] at San Simeon; [IV] at Bradley, Cambria, Paso Robles and San Miguel; [III] at Arroyo Grande, Atascadero, Grover Beach, Los Osos, Morro Bay, Oceano, Salinas, San Luis Obispo and Templeton; [II] at Nipomo and Santa Maria.

HRVD 1723:53:07.1, 1.0, 36.03N, 121.35W, h12km, MW4.7/30, Centroid moment Tensor Solution. LP body waves: s4,c4; Mantle waves: s30,c39; Half duration: 0 Moment tensor: Scale: 10^16N; Mw=0.94±0.05; Ms=0.94±0.07; Mw=0.62±.27; Mw=0.49±0.08; Mw=1.04±.28; Best double couple: M1.51x10^16 Np1±139°, 847°, 141°; NP2: 0±258°, 662°, 150°. Principal axes: T 1.84, Pg154°, Azm117°; N-.66, Plg35°, Azm279°; P-1.18, Plg95°, Azm17°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

IDC 1723:53:07.0, 0.8, 35.69N, 121.04W, mb4.4/14, mb1.4 5/19, mb1.9mx4.5/23, ML3.9/5, MS3.8/8, Ms1.3.8, ms1mx3.5/28 Error ellipse: s-maj=15.3km s-min=12.7km az=88.0

ISC 1723:53:06.9, 0.4, 35.80N, 0.04, 121.02W, 0.05, h2km, n164, comp=E, 0.8nm, 0.7s, mb3.7, baz=145, slow=7.4, SNR=5.2

Main table of station data for the third section, including stations like LRV, SAO, SAC, etc.

Table of station data for the fourth section, including stations like GUNV, ITEV, GUVI, etc.

ISC 1723:52:24.3, 0.4, 10.52N, 0.03, 63.70W, 0.03, h35km, 5km, n56, c097/61, mb4.0/13, MS3.2/3, 1C-3D, Near coast of Venezuela

Main table of station data for the fourth section, including stations like GUNV, ITEV, GUVI, etc.

ISC 1723:53:05.1, 35.33N, 121.79W, h1km, mb5.4, mb5.0, Msz4.8

NEIC 1723:53:07.0, 35.74N, 121.08W, h2km, mb4.9/34, MS4.3/3, MW4.5(BRK), After NCEOD.

NEIC Felt [V] at San Simeon; [IV] at Bradley, Cambria, Paso Robles and San Miguel; [III] at Arroyo Grande, Atascadero, Grover Beach, Los Osos, Morro Bay, Oceano, Salinas, San Luis Obispo and Templeton; [II] at Nipomo and Santa Maria.

HRVD 1723:53:07.1, 1.0, 36.03N, 121.35W, h12km, MW4.7/30, Centroid moment Tensor Solution. LP body waves: s4,c4; Mantle waves: s30,c39; Half duration: 0 Moment tensor: Scale: 10^16N; Mw=0.94±0.05; Ms=0.94±0.07; Mw=0.62±.27; Mw=0.49±0.08; Mw=1.04±.28; Best double couple: M1.51x10^16 Np1±139°, 847°, 141°; NP2: 0±258°, 662°, 150°. Principal axes: T 1.84, Pg154°, Azm117°; N-.66, Plg35°, Azm279°; P-1.18, Plg95°, Azm17°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

IDC 1723:53:07.0, 0.8, 35.69N, 121.04W, mb4.4/14, mb1.4 5/19, mb1.9mx4.5/23, ML3.9/5, MS3.8/8, Ms1.3.8, ms1mx3.5/28 Error ellipse: s-maj=15.3km s-min=12.7km az=88.0

ISC 1723:53:06.9, 0.4, 35.80N, 0.04, 121.02W, 0.05, h2km, n164, comp=E, 0.8nm, 0.7s, mb3.7, baz=145, slow=7.4, SNR=5.2

Main table of station data for the fifth section, including stations like LRV, SAO, SAC, etc.

18d Oh

Table listing station data for 18d Oh, including columns for station name, coordinates, and various parameters like SNR and error ellipses.

2004 MAR

Main table listing station data for 2004 MAR, including columns for station name, coordinates, and various parameters like SNR and error ellipses.

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Table listing station data for 372, including columns for station name, coordinates, and various parameters like SNR and error ellipses.

Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Barry Inlet, Bonilla, Burnt Mountain, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Madison River, Columbia Col, Resolute Bay, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like NVS, FINES, HFS, SVE, etc.

IONC 18 00:45:31.5e1.4, 0.30, 95Sx177.85W, mb4.2/3, mb1 4.5/4, mb1mx4.3/12, ML3.6/1, Error ellipse: s-maj=50.3km s-min=26.1km az=138.0

NEIC 18 00:45:32.4, 0.7, 30.56Sx177.67W, h10km, mb4.8/5, Error ellipse: s-maj=24.8km s-min=18.3km az=11.0

ISC 18 00:45:50.7, 2.5, 31.74Sx108.177.9W, 0.2, h188km, 22kgm, n43, i+19/35, mb4.4/7, 4C-4D, Kermadec Islands region

Table with columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Puz, URZ, Ouz, etc.







18d 4h

Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like BVAR Borovoye Array, ARCES ARCES Array B, etc.

1DC 18 02:36:42.1±3.2, 32.28S±178.24W, mb3.8/2, mb1.4/0.3, m1mx3.9/12, ML3.2/1, Error ellipse: s-maj=73.2km s-min=36.9km az=113.0

1DC 18 02:36:42.9±5.8, 32.5S±177.9W, 0.9, h33km, n4, ±630/4, mb3.7/2, South of Kermadec Islands

Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like URZ Urewera, ASAR Alice Springs, WRA Warramunga Arr, etc.

1SK 18 02:50:27.4, 39.73N-26.52E, h9km, MD3.1, ML3.2

1ATH 18 02:50:30.2, 39.68N-26.11E, h10km, MD3.3/3

1DC 18 02:50:28.3±0.7, 39.74N-26.03±0.54E±0.06, h10km, n23, ±678/23, 2C, Turkey

Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like PRK Parakevi, KGT Karabisi, BALB Balikesir, etc.

1NEIC 18 02:51:30.6, 15.99N-99.12W, h20km, MD4.1, (MEX), After MEX.

1MEX 18 02:51:29.5±0.9, 15.97N-99.12W, h10km, 18km, MD4.1, Off coast of Guerrero

Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like PNIG Pinotepe, ACX Acapulco, CAIG El Cayaco, etc.

1LDG 18 03:08:03.4±0.1, 44.84N-7.40E, h2km, Md2.3/1, M2.1/8, Error ellipse: s-maj=3.3km s-min=1.9km az=78.0

1NEIC 18 03:08:04.2, 44.85N-7.28E, h14km, ML2.5(GEN), ML2.1(LDG), ML1.9(STR), After GEN.

1STR 18 03:08:06.4±0.6, 44.68N-7.30E, h5km, 1km, M1.1.9, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

1DC 18 03:08:03.3±0.3, 44.83N±0.01±7.29E±0.03, h14km, n38, ±695/64, Northern Italy

Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like BHB Bricherasio, RSP Reno Superiore, PZZ Prazzo, etc.

1TOUF 18 04:01:10.1±0.6, 16.08N-99.13W, h23km, 25km, MD3.9

1MEX 18 04:01:10.1, 16.08N-99.13W, h23km, MD3.9(MEX), After MEX.

1DC 18 04:01:06.9±1.3, 16.11N±0.09±99.14W±0.04, h20km, 9km, n14, ±111/22, Near coast of Guerrero

Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like PNIG Pinotepe, MCK McKinley, ILAR Eielson Array, etc.

1NEIC 18 04:17:59.7, 35.18N-4.18W, MG3.5(MDD), After MDD. MDD 18 04:17:59.7±1.1, 35.17N-4.18W, mb3.5/9, Error ellipse: s-maj=11.2km s-min=5.7km az=16.0, Aftershock PLICA

2004 MAR

Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like NEGI Negi, FRF La Fret Royal, SMRF Simiane la Rot, etc.

1DC 18 03:16:41.1±5.7, 23.62N±108.04W, mb3.2/1, mb1.3/5.4, m1mx3.4/17, ML3.5/3, MS3.0/3, Ms1.3/0.3, ms1mx2.8/13, Error ellipse: s-maj=93.9km s-min=30.3km az=144.0

1DC 18 03:16:42.3±1.1, 23.81N±108.0W±0.2, h10km, n7, ±109/5, mb3.1/1, MS3.1/2, Gulf of California

Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like TXAR Lajitas Array, TXAR Lajitas Array, TXAR Lajitas Array, etc.

1DC 18 03:17:07.6±5.8, 32.77S±178.87W, mb4.0/2, mb1.4/3/2, m1mx4.0/10, Error ellipse: s-maj=249.0km s-min=57.7km az=160.0, South of Kermadec Islands

Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like ASAR Alice Springs, WRA Warramunga Arr, FINES FINES Array B, etc.

1IGQ 18 03:18:25.9, 1.79S±78.33W, h166km±2km, mb4.1, Error ellipse: s-maj=3.9km s-min=2.2km az=16.0

1DC 18 03:18:26.7±14.0, 0.91S±77.46W, h102km±155km, mb3.4/6, mb1.3/77, mb1mx3.6/17, ML3.5/1, Error ellipse: s-maj=129.0km s-min=38.7km az=49.0

1NEIC 18 03:18:30.2±1.3, 0.77S±76.90W, h144km, 12km, mb4.0/4, Error ellipse: s-maj=25.0km s-min=15.8km az=52.0

1DC 18 03:18:28.1±0.5, 1.78S±0.05±78.3W±0.1, h151km, 4km, n37, ±676/40, mb3.6/3, 2C-13D, Ecuador

Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like PATA Patacocha, ARRY Arroy, ULBA Ulba, etc.

1LPAZ 18 04:01:10.1±0.6, 16.08N-99.13W, h23km, 25km, MD3.9

1MEX 18 04:01:10.1, 16.08N-99.13W, h23km, MD3.9(MEX), After MEX.

1DC 18 04:01:06.9±1.3, 16.11N±0.09±99.14W±0.04, h20km, 9km, n14, ±111/22, Near coast of Guerrero

Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like LPAZ La Paz, TXAR Lajitas Array, ANMO Albuquerque, etc.

1NEIC 18 03:24:42.1±0.8, 32.07S±178.12W, h10km, Error ellipse: s-maj=19.7km s-min=16.3km az=73.0

1DC 18 03:24:42.6±1.8, 32.12S±178.39W, mb4.4/2, mb1.4/6/3, m1mx4.2/12, ML3.7/1, Error ellipse: s-maj=56.8km s-min=29.2km az=129.0

1DC 18 03:24:54.5±0.2, 32.77S±178.8W±0.2, h96km, 31km, n19, ±124/15, mb4.6/4, 1C-3D, South of Kermadec Islands

Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like URZ Urewera, URZ Urewera, URZ Urewera, etc.

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Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like SNAA Neumayer Olymp, VNA3 Neumayer-Watz, VNA2 Neumayer-Stat, etc.

1NEIC 18 03:28:38.5±1.4, 5.82S±146.15E, h100km±13km, mb4.6/10, Error ellipse: s-maj=14.1km s-min=11.6km az=123.0

1DC 18 03:28:34.1±0.8, 5.86S±146.20E, h119km±6km, mb3.9/8, m1mx4.1/11, mb1mx4.1/11, ML3.3/3, Ms1.3/3, ms1mx3.1/11, Error ellipse: s-maj=19.1km s-min=13.2km az=103.0

1DC 18 03:28:38.1±1.3, 5.94S±0.09±146.16E±0.09, h112km±13km, h120km, 3.2km, p-P, n33, ±697/26, MB3.1/16, 1C, Eastern New Guinea region

Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like WAU Wau, PIAM Piam, PMG Port Moresby, etc.

1LPAZ 18 04:01:10.1±0.6, 16.08N-99.13W, h23km, 25km, MD3.9

1MEX 18 04:01:10.1, 16.08N-99.13W, h23km, MD3.9(MEX), After MEX.

1DC 18 04:01:06.9±1.3, 16.11N±0.09±99.14W±0.04, h20km, 9km, n14, ±111/22, Near coast of Guerrero

Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like PNIG Pinotepe, MCK McKinley, ILAR Eielson Array, etc.

1NEIC 18 04:17:59.7, 35.18N-4.18W, MG3.5(MDD), After MDD. MDD 18 04:17:59.7±1.1, 35.17N-4.18W, mb3.5/9, Error ellipse: s-maj=11.2km s-min=5.7km az=16.0, Aftershock PLICA

1DC 18 04:01:06.9±1.3, 16.11N±0.09±99.14W±0.04, h20km, 9km, n14, ±111/22, Near coast of Guerrero

Table with 5 columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like EMEL Mellilla, EMEL Mellilla, EJIF Jefre Santa Fronter, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time Res, Res ISC. Rows include stations like SIERRA LOJA, SIERRA DE LIJA, BERJA, COGOLLOS, etc.

IDC 18 04:22:25.3.2.0, 26.29N.142.24E, mb4.0/4, mb1.4/2, mb1mx3.7/17, Error ellipse: s-maj=106.0km s-min=17.5km az=91.0

ISC 18 04:22:25.8.0.6, 26.29N.142.9E, h10km, 38km, n7, c0525/8, mb4.1/5, Bonin Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time Res, Res ISC. Rows include stations like CHICHI JIMA, WARRAMUNGA ARR, BOROVYOY ARR, etc.

IDC 18 04:44:35.8.3.2, 5.17N.94.90E, mb3.5/2, mb1.3/9.3, mb1mx3.7/12, ML3.9/1, Error ellipse: s-maj=114.0km s-min=30.9km az=62.0, Northern Sumatra

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time Res, Res ISC. Rows include stations like CHIANG MAI ARR, MAKANCHI ARR, WARRAMUNGA ARR, etc.

IDC 18 04:48:09.2.2.5, 0.45S.154.02E, mb3.7/4, mb1.4/0.4, mb1mx3.8/9, Error ellipse: s-maj=92.7km s-min=27.3km az=122.0

ISC 18 04:48:12.5.2.6, 5.3S.0.5.154.3E, h7, h33km, n4, c1901/4, mb3.4/4, Bougainville - Solomon Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time Res, Res ISC. Rows include stations like WARRAMUNGA ARR, ASAR ALICE SPRINGS, MAKANCHI ARR, etc.

MOS 18 04:55:18.2.1.4, 34.27N.23.40E, h10km, mb4.2/6, Error ellipse: s-maj=10.9km s-min=4.7km az=107.5

IDC 18 04:55:19.3.1.4, 34.45N.23.32E, mb3.9/10, mb1.4/1, mb1mx4.0/19, ML4.1/4, MS3.6/2, Ms1.3.5/2, mb1mx2.9/22, Error ellipse: s-maj=32.4km s-min=17.2km az=27.0

THE 18 04:55:22.2.4, 34.53N.23.31E, h10km, ML3.9

BUI 18 04:55:25.6.4, 34.90N.23.70E, h30km, mb4.4, Ms4.2, Ms2.0

NEIC 18 04:55:28.6.4, 34.89N.23.66E, h30km, mb3.9/14, MD3.9(A)H, After ATH

ATH 18 04:55:28.6.4, 34.89N.23.66E, h30km, 6km, MD3.9/8

ISC 18 04:55:22.0.5.34, 43N.0.04, 23.35E, h0.04, h30km, n94, c1825/98, mb4.2/21, MS3.6/2, 1C-2D, Crete

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time Res, Res ISC. Rows include stations like VAMOS, YATH, KRIS, etc.

Main table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time Res, Res ISC. Rows include stations like LEVKAS, METSOVON, LITOKHORON, etc.

comp=Z, 58nm, 18.4s, MS4.0, baze=92, slow=35 ILAR Eielson Array 80.3 356 P 05 07 33.3 -0.5

ISK 18 05:06:35.2.35, 19N.33.97E, h6km, MD3.3

NEIC 18 05:06:37.5.35, 30N.33.88E, h25km, ML3.1(NIC), After NIC

NIC 18 05:06:37.5.0.3, 35.30N.33.88E, h25km, ML3.1, MW3.0

NSCC 18 05:06:40.2.35, 18N.34.39E, h2km, 3km

ISC 18 05:06:35.9.0.5, 35.11N.0.04, 33.97E, h0.03, h53km, 8km, n22, c1905/38, 2C-9D, Cyprus region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time Res, Res ISC. Rows include stations like PARALIMNI, PHNIC, PHNIC, etc.

TIR 18 05:16:58.3.41, 69N.19.99E, h24km, M12.2

NEIC 18 05:16:58.6.41, 56N.20.03E, h12km, MD2.6(PDG), After PDG

IDC 18 05:16:58.6.0.2, 41.56N.20.03E, h12km, 1km

ISC 18 05:16:59.7.0.5, 41.70N.0.02, 19.98E, h0.04, h12km, n19, c1827/37, 3C-7D, Albania

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time Res, Res ISC. Rows include stations like QAFEA SHITES, PESHKOPJA, PUK, etc.

NEIC 18 05:19:46.5.17, 24N.94.48W, h130km, MD3.9(MEX), After MEX

MEX 18 05:19:46.5.0.9, 17.24N.94.49W, h130km, 7km, MD4.0, 3D, Chiapas

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time Res, Res ISC. Rows include stations like CMIG, MATAZ ROMERO, TUIG, etc.

IDC 18 05:31:54.8.3.3, 31.53S.13.65W, mb4.2/2, mb1.4/3.2, mb1mx3.9/11, MS4.7/10, Ms1.4.7/10, Ms1mx4.0/12, Error ellipse: s-maj=216.0km s-min=57.2km az=2.0

NEIC 18 05:31:55.0.3.1, 61S.13.37W, h10km, mb4.2/7, Error ellipse: s-maj=28.8km s-min=18.6km az=179.0

ISC 18 05:31:56.3.0.9, 31.1S.0.2, 13.6W, h2.0, h10km, n24, c124/12, mb4.1/8, MS4.7/10, 1C-2D, Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time Res, Res ISC. Rows include stations like BRASILIA, BDFB, LBAT, etc.

18d 7h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Paso Flores, Limon Verde, La Paz, etc.

TAP 18 05:50:03.7, 24.09N, 121.85E, h40km, ML3.3
JMA 18 05:50:04.8, 0.4, 24.18N, 121.90E, h51km, M2.8

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

IDC 18 06:08:28.7, 1.5, 27.58N, 127.15E, h136km, 21km, mb3.2/4, mb1.3, 4.5, mb1mx3.2, 19, Error ellipse: s-maj=40.2km

JMA 18 06:08:30.0, 0.3, 27.49N, 127.04E, h133km, M3.5

ISC 18 06:08:27.2, 0.6, 27.46N, 126.98E, 0.10, 1147km, gkm, n18, c18/29, mb3.3/4, Northwest of Ryukyu Islands

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

DJA 18 06:36:48.5, 0.9, 8.82S, -116.98E, h117km, 8km, MD4.8/4, ML4.3/4, 5C-3D, Error ellipse: s-maj=42.3km

s-min=20.1km az=179.0, Sumbawa region

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

IDC 18 06:42:26.5, 3.3, 20.87S, 168.88E, mb3.7/4, mb1.4, 1/4, mb1mx4.0/9, Error ellipse: s-maj=179.0km s-min=30.2km

az=156.0

ISC 18 06:42:27.5, 6.3, 20.55S, 168.6E, 0.4, h9km, 39km, n5, c18/16, mb3.7/4, Loyalty Islands

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

NEIC 18 06:49:03.3, 30.91S, 71.73W, h15km, ML4.0(GUC), After GUC

GUC 18 06:49:03.3, 1.0, 30.91S, 71.73W, h15km, 5km, MD4.1, ML4.0, 12C-6D, Near coast of central Chile

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

2004 MAR

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

NIED 18 07:04:32.4, 0.4, 42.30N, 144.70E, h32km, Mw5.1 Best double couple: Ms=5.7x1016 NP1=47.8, 87.4, 1.96, 96

BUI 18 07:04:33.5, 42.33N, 144.45E, h31km, mb5.2, mb5.0, Ms5.0, Ms24.8

JMA 18 07:04:34.3, 42.31N, 144.72E, h32km, 1km, M5.3, JMA Fell II J1

SKHL 18 07:04:34.7, 3.5, 42.30N, 144.90E, h67km, 12km, mb5.3/6, mb1.8, 3.1, mbv5.9/3, ms4.9/4, ms15.6/5

SYO 18 07:04:35.4, 42.30N, 144.53E, h38km, MB5.1, MS5.0

NEIC 18 07:04:35.4, 0.6, 42.30N, 144.53E, h38km, 6km, mb5.1/92, MS5.0/26, Error ellipse: s-maj=4.7km s-min=3.4km

az=167.0

NEIC Recorded [2 JMA] in the Kushiro area and in south-central Hokkaido; [1 JMA] in the Ebetsu-Tomakomai area and in eastern Hokkaido. Also recorded [1 JMA] in Aomori Prefecture, Honshu.

HRVD 18 07:04:35.4, 0.3, 42.27N, 144.79E, h43km, 2km, MW5.1/54, Centroid moment Tensor Solution. LP body waves: s36, c53, Mantle waves: s54, c82; Half duration: 0 Moment

intensity: Scale 1.016Nm; Mw5.7; 27; Mw=1.55; 18; Ms=1.96; 19; Ms=3.18; 19; Mw=1.52; 12; Ms=2.3; 15; Best double couple: Ms 5.19x1016 NP1=214.4, 82.1, 1.74, NP2=51.1, 87.0, 1.96. Principal axes: T 5.35, Plg65; Azm331; N-, N-, Plg6, Azm228; P-5.04, Plg24; Azm13; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

MOS 18 07:04:36.5, 0.9, 42.60N, 144.53E, h47km, mb5.4/77, MS5.1/25 Error ellipse: s-maj=8.1km s-min=4.3km

az=107.0

IDC 18 07:04:37.5, 1.6, 42.24N, 144.66E, h58km, 13km, mb4.4/25, mb1.4, 6/29, mb1mx4.6/31, MS4.6/24, Ms1.4/72, ms1mx4.5/32, Error ellipse: s-maj=10.6km s-min=9.6km

az=172.0

ISC 18 07:04:33.4, 0.4, 42.24N, 144.66E, 0.03, h34km, 3km, h36km, 1.2km, pp-P, n477, c18/03/485, mb5.0/143, MS4.9/60, 42C-28D, Hokkaido region

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

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

Table with columns for call sign (e.g., TYV, VLA, HJH), flight details (time, destination, aircraft), and status (e.g., smax, MLR, P, S).

Table with columns for call sign (e.g., YAK, BOD, ENH, MOY), flight details (time, destination, aircraft), and status (e.g., smax, MLR, P, S).

Table with columns for call sign (e.g., KKN, PKI, ZRNK, KBK), flight details (time, destination, aircraft), and status (e.g., eP, P, S, MLR).



Table of station data for the left column, including station names like SKO, CEY, SOTA, BFO, BFO, BFO, etc., and their corresponding coordinates and times.

Table of station data for the middle column, including station names like MFF, VIVF, DJNS, LBL, GUM, etc., and their corresponding coordinates and times.

Table of station data for the right column, including station names like Code, Station Name, and their corresponding coordinates and times.

IDC 18 07:37:18.9.6.2.4.71S-153.06E,mb3.4/3,mb1 3.6/3,mb1mx3.5/1.1,Error ellipse: s-maj=191.0km

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

IDC 18 07:40:08.7.1.0.10.60S-111.25E,mb3.9/7,mb1 4.1/7,mb1mx4.1/1.1,Error ellipse: s-maj=46.6km s-min=19.4km az=42.0

DJA 18 07:40:13.6.0.9.11.21S-111.18E,h160km,mb4.7/1,MD4.6/4,ML5.3/3,Error ellipse: s-maj=50.0km s-min=18.4km az=147.0

NEIC 18 07:40:23.4.2.6.10.55S-111.48E,h124km,20km,Error ellipse: s-maj=33.3km s-min=11.4km az=47.0

ISC 18 07:40:18.0.2.5.10.75.0.1.111.2E.0.1,h93km,23km,n21,-09.94/25,mb3.7/7,4C-6D,South of Jawa

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

NAO 18 07:42:09.6.4.4.54.70N-19.39E,ML3.0 HEL 18 07:42:09.4.0.2.54.50N-19.95E,ML3.1,Explosion

ISC 18 07:42:11.3.2.5.54.81N-19.40E,mb1 3.4/4,mb1mx2.2/18,ML3.2/0,Error ellipse: s-maj=23.1km s-min=1.4 km az=8.0

ISC 18 07:42:07.1.1.6.54.9N.0.1x19.4E.0.1,n15,0169/22, Poland

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

NEIC 18 07:54:41.3.0.30.93S-71.55W,h38km,MD3.6(GUC),After GUC

GUC 18 07:54:41.3.0.5.30.93S-71.55W,h38km,7km,MD3.6,ML2.9,3C-2D,Near coast of central Chile

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

comp=E,391nm,0.3s La Serena 1.05 151i/P S P 07 55 10.4 +1.1

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

IDC 18 08:04:36.9.3.3.20.17S-178.30W,h545km,34km,mb3.2/9,mb1 3.5/9,mb1mx3.4/2,Error ellipse: s-maj=73.6km s-min=13.5km az=156.0

ISC 18 08:04:35.1.4.2.20.25S-178.3W.0.3,h533km,47km,n15,-0673/10,mb3.6/9,Fiji Islands region

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

IDC 18 08:10:46.8.6.4.2.98S-104.13E,h324km,61km,mb3.5/7,mb1 3.7/7,mb1mx3.6/12,Error ellipse: s-maj=52.5km s-min=12.2km az=58.0

NEIC 18 08:10:53.9.4.9.2.87S-104.42E,h401km,49km,mb4.2/1,Error ellipse: s-maj=50.4km s-min=11.0km az=57.0

ISC 18 08:10:52.7.2.6.75.0.6.104.5E.0.8,h401km,n12,-057/8,mb3.7/8,Southern Sumatra

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

NNC 18 08:16:52.9.3.8.39.97N-75.63E,mpv3.2,Error ellipse: s-maj=37.8km s-min=23.0km az=176.0

BUI 18 08:16:56.6.39.88N-75.73E,h19km,ML3.7 ISC 18 08:16:43.6.9.0.38.9N.0.7x75.E.0.2,h19km,n13,-065/13,4C-2D,Southern Xinjiang

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

TAP 18 08:20:30.2.22.89N-120.90E,h2km,ML3.9,8D,Taiwan

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

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

IDC 18 08:39:02.4.2.0.0.85N-127.00E,mb3.8/3,mb1 4.1/3,mb1mx3.9/1.1,M53.3/1,M51 3.3/1,ms1mx2.7/2.1,Error ellipse: s-maj=167.0km s-min=23.5km az=66.0

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

MOS 18 08:49:46.6.1.5.74.51N-15.14E,h10km,mb4.5/6,Error ellipse: s-maj=55.4km s-min=7.5km az=93.1

BUI 18 08:49:46.4.74.60N-15.40E,h10km,mb4.9,mb4.5,Ms4.2,Ms3.9

IDC 18 08:49:47.6.0.5.74.62N-15.48E,mb3.8/11,mb1 4.1/16,mb1mx4.0/23,ML4.0/5,MS3.4/2,Ms1 3.4/2,ms1mx2.7/29,Error ellipse: s-maj=17.7km s-min=7.2km az=75.0

NEIC 18 08:49:48.6.0.3.74.56N-15.44E,h10km,mb4.4/11,Error ellipse: s-maj=10.8km s-min=4.8km az=77.0

NAO 18 08:49:48.8.1.1.74.83N-17.77E,ML3.6 HEL 18 08:49:48.7.0.2.74.72N-16.42E,h10km,ML3.6,mb4.(NEIC)

BER 18 08:49:50.3.4.3.74.71N-16.59E,h10km,MD3.8,ML3.0,ML3.6(NAO)

ISC 18 08:49:46.4.0.3.74.49N.0.03.15.5E.0.2,h10km,n77,-0133/94,mb4.1/20,MS3.3/2,Norwegian Sea

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





18d 10h

Table of station data for 18d 10h, including columns for station name, location, frequency, and other parameters.

2004 MAR

Table of station data for 2004 MAR, including columns for station name, location, frequency, and other parameters.

384

Table of station data for 384, including columns for station name, location, frequency, and other parameters.



18d 13h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MTE Manteigas, ETOR Torette, EIBI Iboza, EMOS Mosqueruela, etc.

NEIC 18 11:49:22.3, 36.28N-27.83E, h69km, After ATH.
ATH 18 11:49:22.4, 36.29N-27.83E, h60km, 3Mk, MD3.6/11
IDC 18 11:49:24.2, 3.1, 35.50N-27.46E, h14km, m55km, mb3.6/3,

ISC 18 11:49:25.7, 36.55N-27.98E, h77km, md3.5
THE 18 11:49:26.7, 36.36N-27.67E, h20km
NIC 18 11:49:27.8, 0.2, 37.03N-28.71E, h25km, mb4.3, ML3.9,

ISC 18 11:49:21.4, 0.2, 36.18N-0.02, 27.87E, 0.02, h81km, 5km,
n83, c1916/113, mb3.8/3, 6C-7D, Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ARG Arkhangelos, NISR Nisiros, KARP Karpathos, etc.

2004 MAR

Table with columns: ESKT, ESKT, KCT, BNT, KIZT, SZAC, SZAC, CSS, CSS, ALN, ALN, ALN, ALN, PHNC, PHNC, AGG, AGG, HNTI, HNTI, OFRI, OFRI, KSDI, KSDI, HRI, HRI, KSHH, KSHH, HMDT, HMDT, KZIT, KZIT, RTMM, RTMM, SVTA, SVTA, MASH, MASH, DRGI, DRGI, PRNI, PRNI, KMTI, KMTI, ASF, ASF, MBF, MBF, ASH, ASH, EIL, EIL, EIL, EIL, AQBJ, AQBJ, ALWS, ALWS, HACS, HACS, JMOS, JMOS, BDAS, BDAS, JMGS, JMGS, AYUS, AYUS, VRAC, VRAC, GERES, GERES, HFS, HFS, ARCES, ARCES, MKAR, MKAR, MKAR, MKAR.

NEIC 18 11:59:36.1, 35.73N-121.05W, h0km, ML3.5(NCEDC),
After NCEDC, Central California

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LRV Little Rabbit, LAV San Andreas Ge, SAO SAO, SAO SAO, SAC SAC, LKC Lake Chabot, LKC LKC, CMB Columbia Colle, MTU Tungsten Hills, HOC HOC, HOC HOC, WCH Washoe City, TPH Tonopah, BEKR Beckworth, BEKR BEKR.

IDC 18 12:23:03.9, 3.0, 32.40N-178.18W, mb3.9/2, mb1 4/1,
mb1mx3.9/12, ML3.4/1, Error ellipse: s-maj=70.4km

ISC 18 12:23:05.3, 5.8, 32.6S-0.2, 177.9W-0.9, h33km, n4,
c25/24, mb3.7/2, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like URZ Urewera, URZ Urewera, ASAR Alice Springs, ASAR Alice Springs, WRA Warramunga Arr, WRA Warramunga Arr, FINES FINESS Array B, FINES FINESS Array B.

HDL 18 12:28:29.6, 3.1, 34.15N-76.94E, h22km, 104km, MD3.6
IDC 18 12:28:32.0, 0.8, 33.61N-77.08E, mb3.8/11, mb1 4/0/13,

ISC 18 12:28:49.9, 3.5, 34.49N-76.71E, h85km, 25km, Error
ellipse: s-maj=37.3km s-min=27.7km az=32.0

ISC 18 12:28:34.0, 2.2, 33.75N-0.03, 177.19E-0.07, h22km, 17km,
n29, c1923/40, mb3.8/10, 3C-6D, Eastern Kashmir

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DLH Dalhousie, DLH Dalhousie, THN Thein Dam, THN Thein Dam, PONG Pong, PONG Pong, GDN Gundargarh, GDN Gundargarh, SMLA Simla, SMLA Simla, DDI Dehra Dun, DDI Dehra Dun, PTH Pithoragarh, PTH Pithoragarh, NDI New Delhi, NDI New Delhi, AJM Ajmer, AJM Ajmer, KK31 Karatay Array, KK31 Karatay Array, MK31 Makanchi Array, MK31 Makanchi Array, MK31 Makanchi Array, MK31 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, KURK Kurchatov, KURK Kurchatov, BVAR Borovoye Array, BVAR Borovoye Array, ZRNC Zerenda, ZRNC Zerenda, AB31 Atakut array, AB31 Atakut array, AB31 Atakut array.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CHKZ Chkalovo, ZAL Zalesovo, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, FINES FINESS Array B, FINES FINESS Array B, ARCES ARCES Array B, ARCES ARCES Array B, NB2 NORARS Subarra, NB2 NORARS Subarra, NOA NORARS Arr, NOA NORARS Arr, KMBO Kilima Mbojo, KMBO Kilima Mbojo, INK Inuvik, INK Inuvik, ILAR Eielson Array, ILAR Eielson Array, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, YKA Yellowknife Arr, YKA Yellowknife Arr.

ISK 18 12:38:50.2, 35.89N-35.10E, h11km, MD3.5
ISC 18 12:38:50.6, 0.9, 35.84N-0.10, 35.10E-0.05, h11km, n9,
c0574/14, Jordan - Syria region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HTY Hatay, HTY Hatay, COBT Iskenderun, COBT Iskenderun, ICL Iskili, ICL Iskili, CEYD Ceyhan, CEYD Ceyhan, LEF Lefka, LEF Lefka, GAZ Gaziantep, GAZ Gaziantep, NIG Nigde, NIG Nigde, HDMB Hadim, HDMB Hadim, GZT Gaziantep, GZT Gaziantep.

NAO 18 13:03:24.6, 3.6, 67.75N-20.22E, ML2.0
HEL 18 13:03:26.5, 0.1, 67.87N-20.31E, ML1.9, ML1.8(BER),
ML2.0(NAO), Explosion

ISC 18 13:03:27.2, 2.5, 67.81N-20.13E, ML1.8, ML2.0(NAO),
Suspected explosion

ISC 18 13:03:23.0, 0.7, 67.81N-0.06, 20.09E-0.09, n14, c1907/12,
Sweden

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KTK1 Kautokino, KTK1 Kautokino, LOF Lofoten, LOF Lofoten, SGF Sodankyl, SGF Sodankyl, SGF SGF, SGF SGF.

ARA0 ARCES Array B, ARA0 ARCES Array B, ARA0 ARCES Array B, ARA0 ARCES Array B, MORB Moi Rana, MORB Moi Rana, MORB Moi Rana, MORB Moi Rana.

KEV Kevo, KEV Kevo, KEV Kevo, KEV Kevo, MAAS Maaselka, MAAS Maaselka, MAAS Maaselka, MAAS Maaselka.

FIAO FINESS Array S, FIAO FINESS Array S, FIAO FINESS Array S, FIAO FINESS Array S, FIAO FINESS Array S, FIAO FINESS Array S.

HFS Hagfors, HFS Hagfors, HFS Hagfors, HFS Hagfors, HFS Hagfors, HFS Hagfors.

MOS 18 13:21:09.5, 1.0, 27.39N-57.28E, h33km, mb4.9/2, Error
ellipse: s-maj=30.9km s-min=12.6km az=113.8

IDC 18 13:21:13.9, 1.1, 28.38N-57.00E, mb4.0/12, mb1 4/2/14,
mb1mx4.1/20, ML4.0/2, MS3.4/2, Ms1 3.4/2, ms1mx2.8/26,

ISC 18 13:21:16.7, 28.40N-57.00E, h50km, mb4.9, mb4.5, Ms4.3
NEIC 18 13:21:20.7, 0.5, 28.41N-56.97E, h50km, mb4.5/21, Error
ellipse: s-maj=13.1km s-min=6.8km az=1.0

ISC 18 13:21:17.1, 1.3, 28.25N-0.09, 56.96E-0.05, h37km, 12km,
n82, c1907/86, mb4.3/4, MS3.4/2, 2D, Southern Iran

QRN Al-Qurain, QRN Al-Qurain, QRN Al-Qurain, QRN Al-Qurain, KBD Kabd, KBD Kabd, UMR Umm Al-Rimman, UMR Umm Al-Rimman, UMR UMR, UMR UMR.

RDF Al-Radif, RDF Al-Radif, RDF Al-Radif, RDF Al-Radif, MIF Mitrubai, MIF Mitrubai, MIF Mitrubai, MIF Mitrubai.

NAY Al-Naiein, NAY Al-Naiein, NAY Al-Naiein, NAY Al-Naiein, RST Umm Al-Ruwaisa, RST Umm Al-Ruwaisa, RST Umm Al-Ruwaisa, RST Umm Al-Ruwaisa.

MZLS Mizel, MZLS Mizel, ARSS Ar Rass, ARSS Ar Rass, AFFS 'Afiif, AFFS 'Afiif, AFFS 'Afiif, AFFS 'Afiif.

ASF Jabal al Asfar, ASF Jabal al Asfar, ASF Jabal al Asfar, ASF Jabal al Asfar, ASF ASF, ASF ASF, ELZG Elazig, ELZG Elazig, MALT Malatya, MALT Malatya.

GZT Gaziantep, GZT Gaziantep, COBT Iskenderun, COBT Iskenderun, EIL Elat, EIL Elat, EIL Elat, EIL Elat.

KIV Kislovodsk, KIV Kislovodsk, KIV Kislovodsk, KIV Kislovodsk, AVNT Avnart, AVNT Avnart, CSS Prodhromos, CSS Prodhromos, BOYT Boybat, BOYT Boybat.

BR13 Keskin Array S, BR13 Keskin Array S, ELDT Eldivan, ELDT Eldivan, KOLN Koldanda, KOLN Koldanda, ESKT Eskisehir, ESKT Eskisehir.

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

MAN 18:14:00:13.4, 16.42N-121.10E, h4km, mb4.5, ML3.3, MS3.2, 1C, Luzon

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

PRE 18:14:23:11.6, 2.0, 26.46S-27.57E, h2km, ML3.6

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

NEIC 18:14:58:32.0, 39.65N-111.94W, h1km, ML3.3(LC), After SLC

NEIC Felt at Levin and Nephi. IDC 18:14:58:33.1±1.5, 39.62N-111.68W, h12km, 13km, mb2.9/1, mb1 3.3/5, mb1mx3/1.9, ML3.4/3. Error ellipse: s-maj=12.9km s-min=7.8km az=144.0

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

IDC 18:15:09:04.4-2.0, 1.99N-126.16E, mb3.2/3, mb1 3.4/3, s-min=24.8km az=65.0, Northern Molucca Sea

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

ISK 18:15:14:23.6, 36.07N-26.27E, h72km, ML4.6

CSEM 18:15:14:23.6, 36.06N-26.62E, h117km, mb4.6. BUI 18:15:14:25.0, 36.10N-26.50E, h118km, mb5.0, mb4.6. PDG 18:15:14:25.6, 36.10N-26.45E, h141km, 11km. ZUR\_RM 18:15:14:26.36, 36.08N-26.48E, h90km, Mw4.4/17, Moment Tensor Solution. s17 Moment tensor: Scale 10^19Nm; Mn-0.33; Mw-3.19; Mw3.52; Me1.97; Mm3.32; Mm4.40; Best double couple: M4.13x10^15 Np1.2324; s81; x-27; NP2m: 328; s64; x-169; Principal axes: T:3.24, P1g17; Azm284; N:403, P1g22; Azm36; P:4-3.27, P1g25; Azm188;

NEIC 18:15:14:26.4-0.2, 36.08N-26.48E, h118km, 2km, mb4.5/3

Error ellipse: s-maj=4.0km s-min=2.0km az=204.0. NEIC Felt in northern Crete. MOS 18:15:14:26.3±1.0, 36.18N-26.48E, h127km, mb4.5/26, Error ellipse: s-maj=5.3km s-min=2.3km az=128.4. IDC 18:15:14:26.6±1.0, 36.11N-26.45E, h120km, 6km, mb3.7/13, mb1 4.0/20, mb1mx3/9/26, Error ellipse: s-maj=21.5km s-min=11.3km az=24.0. GRAL 18:15:14:27.6±1.6, 36.26N-26.79E. AT1 18:15:14:27.6, 36.30N-26.54E, h112km, 3km, ML4.1. KEK 18:15:14:28.1±0.2, 36.01N-26.78E, h100km, 4.9, ML4.5. MW3.7, Earthquake Dodecanese Islands, Greece 323 km SE Athens.

THE 18:15:14:29.4, 36.23N-26.71E, h104km, ML4.1

ISC 18:15:14:26.0±1.1, 36.17N-10.02-26.54E, 0.02, h129km, 1km, h117km, 2.2km; pp-P, n488, e1511/529, mb4.3/50, 51C-44D, Dodecanese Islands

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

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

18d 15h

Table with columns for call sign, name, frequency, and other details. Includes stations like PLE, BRY, ZFRI, etc.

Table with columns for call sign, name, frequency, and other details. Includes stations like KHC, RORO, IMI, etc.

Table with columns for call sign, name, frequency, and other details. Includes stations like DAVOX, WET, WOL, etc.

Table with columns for call sign, name, frequency, and other details. Includes stations like SAOF, TUE, SBF, etc.

Table with columns for call sign, name, frequency, and other details. Includes stations like REVV, AUTN, AURF, etc.

Table with columns for call sign, name, frequency, and other details. Includes stations like ENR, TOUT, MVIF, etc.

Table with columns for call sign, name, frequency, and other details. Includes stations like LMR, LMR, PZZ, etc.

Table with columns for call sign, name, frequency, and other details. Includes stations like LSD, RRL, TAVF, etc.

Table with columns for call sign, name, frequency, and other details. Includes stations like BERF, PUYF, LPG, etc.

Table with columns for call sign, name, frequency, and other details. Includes stations like LPL, LPL, LPL, etc.

2004 MAR

Main table with columns for call sign, name, frequency, and other details. Includes stations like CLZ, RUP, LBL, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FINESS Array B, HFS Hagfors, EHOR Sierra de Lija, etc.

IDC 18 15:22:48.8, 2.9, 40.64N, 141.29E, h80km, 26km, mb3.5/11, mb1.3, 6/12, mb1mx3.5, 2/22, MS3.3/2, Ms1.3/3/2, ms1mx2.3/19, Error ellipse: s-maj=22.7km s-min=17.3km az=99.0

JMA 18 15:22:50.9, 0.1, 40.75N, 141.31E, h96km, 1km, M3.4, JMA Felt J1, ISC 18 15:22:49.6, 0.5, 40.73N, 0.04:141.34E, 0.09, h103km, 3km, n21, c076/28, mb3.7/11, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JTM Tenmabayashi, JANG Nango, JOT Ohata, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MAN 18 15:51:25.0, 0.13, 11N, 124.22E, h11km, mb5.0, ML4.0, MS4.0, MAN F SAN ROQUE BULSAN SORSOGON INTENSITY II, etc.

IDC 18 16:01:04.3, 0.7, 6.05S, 154.75E, h126km, 6km, mb4.6/16, mb1.4, 7/17, mb1mx4.7/18, MS4.0/1, Ms1.4/0/1, ms1mx3.1/19, Error ellipse: s-maj=14.8km s-min=10.2km az=115.0

BUI 18 16:01:06.8, 5.6, 67S, 154.59E, h143km, mb5.1, mb4.8, SYO 18 16:01:07.9, 6.0, 64S, 154.83E, h161km, MB4.6, NEIC 18 16:01:07.9, 1.0, 6.04S, 154.83E, h161km, mb4.6/33, Error ellipse: s-maj=8.5km s-min=5.7km az=93.0, MOS 18 16:01:09.3, 0.7, 5.92S, 154.64E, h182km, mb4.8/4, Error ellipse: s-maj=20.8km s-min=13.6km az=67.4

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YAK Yakutsk, YAK Yakutsk, ZAL Zalesovo, etc.

IDC 18 16:01:06.5, 1.1, 6.02S, 10.04:154.86E, 0.06, h164km, 10km, h122km, 2.9km; p-P, n96, c193/95, mb4.6/56, 2C-8D, Bougainville - Solomon Islands region

RAB Rabaul, WAU Wau, PMG Port Moresby, PMG Port Moresby, PMG Port Moresby, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RAB Rabaul, WAU Wau, PMG Port Moresby, etc.

Table with columns: STKA, Stephens Creek, 28.56 204 eP, P, 16 06 48.2 -1.1, etc. Lists various astronomical observations with station names, coordinates, and times.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc. Lists astronomical observations with station names, coordinates, and times.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc. Lists astronomical observations with station names, coordinates, and times.



Table with columns: WRA, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes Warramunga Arr 150.45 241 PKPbc PKPdf 18 00 55.1 +7.8

IDC 18 17:43:52.67.3, 4.46S, 129.71E, h120km, 71km, mb3.5/2, mb1 3.6/4, mb1mx3.4/11, Error ellipse: s-maj=76.1km s-min=15.0km az=70.0, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes WRA Warramunga Arr 16.14 164 P, Alice Springs 19.62 166 P

IDC 18 17:47:04.8.3.2, 18.26N, 145.56E, h344km, 33km, mb3.1/9, mb1 3.2/10, mb1mx3.2/18, Error ellipse: s-maj=29.2km s-min=13.6km az=96.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes CBIJ Chichi jima 9.34 341 P, WRA Warramunga Arr 39.51 197 P

NIED 18 17:51:00, 37.20N, 141.30E, h47km, Mw4.0 Best double couple: Mo1.28x10^15 NP1.22, delta2, delta2, lambda96, NP2.18x10^15, delta19, lambda71

MOS 18 17:51:45.8.0.8, 37.45N, 141.42E, h33km, mb4.2/4, Error ellipse: s-maj=14.1km s-min=12.4km az=96.4

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes WRA Warramunga Arr 13.55 178 P, WRA Warramunga Arr 13.55 178 P

MDD 18 17:58:18.3.4.4, 3.728N, 11.21W, mb3.6/3, Error ellipse: s-maj=261.0km s-min=36.1km az=172.0, PRXIMO SIN

INMG 18 17:58:19.0.7.0, 36.55N, 11.00W, h5km, Error ellipse: s-maj=7.4km s-min=6.7km az=91.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes WRA Warramunga Arr 13.55 178 P, WRA Warramunga Arr 13.55 178 P

ISY 18 17:58:51.3, 23.77S, 176.08W, h35km, Mb5.0, MS4.6 NEIC 18 17:58:51.3, 23.77S, 176.08W, h35km, Mb5.0/27, MS4.6/8, Error ellipse: s-maj=9.7km s-min=7.2km az=132.0

HRVD 18 17:58:51.3, 24.01S, 175.26W, h28km, 7km, MW4.9/30, Centroid motion Tensor Solution. LP body waves: s30c39; Half duration: 0 Moment tensor: Scale 10^16Nm; Mn:2.29; 27; M0: 0.19; 49; Ms: 2.10; 31; Me:0.61; 72; Mw: 0.65; 26; My: 1.67; 77; Best double couple: M2.9x10^16 NP1.22, delta2, delta2, lambda87, NP2.18x10^15, delta19, lambda71, 7.92; Principal axes: T:2.9, Plg19; Azm108; nsta1 refers to body waves, cutoff=40s.

MOS 18 17:58:52.6, 28.2, 23.89S, 176.04W, h50km, 26km, mb4.4/15, mb1 4.0/17, mb1mx4.0/19, ML4.6/2, MS4.2/6, Ms1 4.2/6, ms1mx3.9/20, Error ellipse: s-maj=28.3km s-min=12.6km az=145.0

ISIC 18 17:58:47.1, 3.3, 23.79S, 0.07x176.07W, 0.07, h15km, 20km, h20km, 1.8km; pP-P, n107, c1908/67, mb4.8/40, MS4.5/13, 6C-3D, South of Fiji Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes WRA Warramunga Arr 13.55 178 P, WRA Warramunga Arr 13.55 178 P

Table with columns: INK, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes Inuvik 54.23 27 P, Inuvik 54.23 27 P

IDC 18 17:55:39.5, 1.9, 6.33S, 133.73E, mb3.3/1, mb1 3.6/4, mb1mx3.5/10, ML3.2/3, Error ellipse: s-maj=75.4km s-min=28.8km az=65.0, Aru Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes WRA Warramunga Arr 13.55 178 P, WRA Warramunga Arr 13.55 178 P

MDD 18 17:58:18.3.4.4, 3.728N, 11.21W, mb3.6/3, Error ellipse: s-maj=261.0km s-min=36.1km az=172.0, PRXIMO SIN

INMG 18 17:58:19.0.7.0, 36.55N, 11.00W, h5km, Error ellipse: s-maj=7.4km s-min=6.7km az=91.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes WRA Warramunga Arr 13.55 178 P, WRA Warramunga Arr 13.55 178 P

ISY 18 17:58:51.3, 23.77S, 176.08W, h35km, Mb5.0, MS4.6 NEIC 18 17:58:51.3, 23.77S, 176.08W, h35km, Mb5.0/27, MS4.6/8, Error ellipse: s-maj=9.7km s-min=7.2km az=132.0

HRVD 18 17:58:51.3, 24.01S, 175.26W, h28km, 7km, MW4.9/30, Centroid motion Tensor Solution. LP body waves: s30c39; Half duration: 0 Moment tensor: Scale 10^16Nm; Mn:2.29; 27; M0: 0.19; 49; Ms: 2.10; 31; Me:0.61; 72; Mw: 0.65; 26; My: 1.67; 77; Best double couple: M2.9x10^16 NP1.22, delta2, delta2, lambda87, NP2.18x10^15, delta19, lambda71, 7.92; Principal axes: T:2.9, Plg19; Azm108; nsta1 refers to body waves, cutoff=40s.

MOS 18 17:58:52.6, 28.2, 23.89S, 176.04W, h50km, 26km, mb4.4/15, mb1 4.0/17, mb1mx4.0/19, ML4.6/2, MS4.2/6, Ms1 4.2/6, ms1mx3.9/20, Error ellipse: s-maj=28.3km s-min=12.6km az=145.0

ISIC 18 17:58:47.1, 3.3, 23.79S, 0.07x176.07W, 0.07, h15km, 20km, h20km, 1.8km; pP-P, n107, c1908/67, mb4.8/40, MS4.5/13, 6C-3D, South of Fiji Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes WRA Warramunga Arr 13.55 178 P, WRA Warramunga Arr 13.55 178 P

ISY 18 17:58:51.3, 23.77S, 176.08W, h35km, Mb5.0, MS4.6 NEIC 18 17:58:51.3, 23.77S, 176.08W, h35km, Mb5.0/27, MS4.6/8, Error ellipse: s-maj=9.7km s-min=7.2km az=132.0

HRVD 18 17:58:51.3, 24.01S, 175.26W, h28km, 7km, MW4.9/30, Centroid motion Tensor Solution. LP body waves: s30c39; Half duration: 0 Moment tensor: Scale 10^16Nm; Mn:2.29; 27; M0: 0.19; 49; Ms: 2.10; 31; Me:0.61; 72; Mw: 0.65; 26; My: 1.67; 77; Best double couple: M2.9x10^16 NP1.22, delta2, delta2, lambda87, NP2.18x10^15, delta19, lambda71, 7.92; Principal axes: T:2.9, Plg19; Azm108; nsta1 refers to body waves, cutoff=40s.

MOS 18 17:58:52.6, 28.2, 23.89S, 176.04W, h50km, 26km, mb4.4/15, mb1 4.0/17, mb1mx4.0/19, ML4.6/2, MS4.2/6, Ms1 4.2/6, ms1mx3.9/20, Error ellipse: s-maj=28.3km s-min=12.6km az=145.0

ISIC 18 17:58:47.1, 3.3, 23.79S, 0.07x176.07W, 0.07, h15km, 20km, h20km, 1.8km; pP-P, n107, c1908/67, mb4.8/40, MS4.5/13, 6C-3D, South of Fiji Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes WRA Warramunga Arr 13.55 178 P, WRA Warramunga Arr 13.55 178 P

Table with columns: ASAR, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes Alice Springs 45.60 260 P, Alice Springs 45.60 260 P

IDC 18 17:55:39.5, 1.9, 6.33S, 133.73E, mb3.3/1, mb1 3.6/4, mb1mx3.5/10, ML3.2/3, Error ellipse: s-maj=75.4km s-min=28.8km az=65.0, Aru Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes WRA Warramunga Arr 13.55 178 P, WRA Warramunga Arr 13.55 178 P

MDD 18 17:58:18.3.4.4, 3.728N, 11.21W, mb3.6/3, Error ellipse: s-maj=261.0km s-min=36.1km az=172.0, PRXIMO SIN

INMG 18 17:58:19.0.7.0, 36.55N, 11.00W, h5km, Error ellipse: s-maj=7.4km s-min=6.7km az=91.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes WRA Warramunga Arr 13.55 178 P, WRA Warramunga Arr 13.55 178 P

ISY 18 17:58:51.3, 23.77S, 176.08W, h35km, Mb5.0, MS4.6 NEIC 18 17:58:51.3, 23.77S, 176.08W, h35km, Mb5.0/27, MS4.6/8, Error ellipse: s-maj=9.7km s-min=7.2km az=132.0

HRVD 18 17:58:51.3, 24.01S, 175.26W, h28km, 7km, MW4.9/30, Centroid motion Tensor Solution. LP body waves: s30c39; Half duration: 0 Moment tensor: Scale 10^16Nm; Mn:2.29; 27; M0: 0.19; 49; Ms: 2.10; 31; Me:0.61; 72; Mw: 0.65; 26; My: 1.67; 77; Best double couple: M2.9x10^16 NP1.22, delta2, delta2, lambda87, NP2.18x10^15, delta19, lambda71, 7.92; Principal axes: T:2.9, Plg19; Azm108; nsta1 refers to body waves, cutoff=40s.

MOS 18 17:58:52.6, 28.2, 23.89S, 176.04W, h50km, 26km, mb4.4/15, mb1 4.0/17, mb1mx4.0/19, ML4.6/2, MS4.2/6, Ms1 4.2/6, ms1mx3.9/20, Error ellipse: s-maj=28.3km s-min=12.6km az=145.0

ISIC 18 17:58:47.1, 3.3, 23.79S, 0.07x176.07W, 0.07, h15km, 20km, h20km, 1.8km; pP-P, n107, c1908/67, mb4.8/40, MS4.5/13, 6C-3D, South of Fiji Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes WRA Warramunga Arr 13.55 178 P, WRA Warramunga Arr 13.55 178 P

ISY 18 17:58:51.3, 23.77S, 176.08W, h35km, Mb5.0, MS4.6 NEIC 18 17:58:51.3, 23.77S, 176.08W, h35km, Mb5.0/27, MS4.6/8, Error ellipse: s-maj=9.7km s-min=7.2km az=132.0

HRVD 18 17:58:51.3, 24.01S, 175.26W, h28km, 7km, MW4.9/30, Centroid motion Tensor Solution. LP body waves: s30c39; Half duration: 0 Moment tensor: Scale 10^16Nm; Mn:2.29; 27; M0: 0.19; 49; Ms: 2.10; 31; Me:0.61; 72; Mw: 0.65; 26; My: 1.67; 77; Best double couple: M2.9x10^16 NP1.22, delta2, delta2, lambda87, NP2.18x10^15, delta19, lambda71, 7.92; Principal axes: T:2.9, Plg19; Azm108; nsta1 refers to body waves, cutoff=40s.

MOS 18 17:58:52.6, 28.2, 23.89S, 176.04W, h50km, 26km, mb4.4/15, mb1 4.0/17, mb1mx4.0/19, ML4.6/2, MS4.2/6, Ms1 4.2/6, ms1mx3.9/20, Error ellipse: s-maj=28.3km s-min=12.6km az=145.0

ISIC 18 17:58:47.1, 3.3, 23.79S, 0.07x176.07W, 0.07, h15km, 20km, h20km, 1.8km; pP-P, n107, c1908/67, mb4.8/40, MS4.5/13, 6C-3D, South of Fiji Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes WRA Warramunga Arr 13.55 178 P, WRA Warramunga Arr 13.55 178 P

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like Mount Malkishu, Ksziaz, Niedzica, Cervencia-Dubn, etc.

NEIC 18 18:36:20.6:2.5, 10.67S; 164.95E, h71km; 23km, mb4.5/6, Error ellipse: s-maj=20.4km s-min=16.4km az=92.0

ISC 18 18:36:18.6:4.7, 10.7S; 0.2:165.0E; 0.2, h68km; 42km, n17, 0:058/17, mb4.2/12, Santa Cruz Islands region

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

ISC 18 18:55:44.0:0.8, 7.64N; 136.73E, h39km; 6km, mb4.3/14, mb1.4/4.14, mb1mx3.1/9, MS4.0/6, Ms1.4/0.6

NEIC 18 18:55:56.0:1.5, 7.60N; 136.50E, h141km; 15km, mb4.4/15, Error ellipse: s-maj=9.3km s-min=6.5km az=90.0

MOS 18 18:55:55.2:1.4, 7.54N; 136.54E, h153km; 6km, mb4.5/4, Error ellipse: s-maj=20.7km s-min=17.7km az=108.7

ISC 18 18:55:43.2:1.7, 7.67N; 0.05:136.67E; 0.08, h39km, h39km; 1.4km; pp-P, n70, 0:085/67, mb4.6/38, MS3.9/8, 1C-2D, Western Caroline Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like Guam, Chichi jima, Kota Kinabalu, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like Ulaanbaatar, Ulaanbaatar, LSA Lhasa, etc.

ISC 18 19:07:32.0:3.0, 56.83S; 23.84W, mb4.2/2, mb1.4/5.2, mb1mx4.0/9, Error ellipse: s-maj=551.0km s-min=65.0km az=33.0

NEIC 19 19:07:35.0:0.9, 57.47S; 23.95W, h30km; mb4.3/5, Error ellipse: s-maj=26.9km s-min=10.3km az=53.0

ISC 18 19:07:32.4:1.6, 57.45S; 0.2:24.5W; 0.4, h10km, n19, 0:150/16, mb4.2/4, 4C, South Sandwich Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like Spitsbergen Ar, ARCES ARCESS Array B, etc.

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

ISC 18 19:22:34.0:3.0, 7.61N; 152.55W, mb4.5/6, mb1.4/6/6, mb1mx4.6/9, MS3.8/4, Ms1.3/2.7km, ms1mx3.7/12, Error ellipse: s-maj=48.3km s-min=20.4km az=39.0

SYO 18 19:22:42.1, 6.104S; 21.56W, h59km; MB4.7, NEIC 18 19:22:42.1, 6.104S; 21.56W, h59km; 15km, mb4.7/17, Error ellipse: s-maj=14.1km s-min=10.3km az=217.0

BUI 18 19:22:42.1, 6.100S; 21.60W, h59km; MB5.2, Ms5.3, Ms2.3

ISC 18 19:22:38.1:2.4, 6.100S; 0.09:21.6W; 0.2, h36km; 23km, n2, n12/33, mb4.8/21, MS4.0/5, 6C-2D, East of South Sandwich Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like Neumayer-Stat, Neumayer-Stat, Neumayer Olymp, etc.







18d 19h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers like JAN, IGT, METSOV, etc.

ORF 18:57:05.6, 23.14S; 170.60E, h30km, mb5.8
BUI 18:57:17.8, 15.79S; 166.17E, h44km, mb5.4, mb5.4, Ms5.5, Msz5.3

MOS 18:57:18.0, 0.9, 15.62S; 166.90E, h33km, mb5.6/14, Error ellipse: s-maj=50.9km s-min=14.9km az=109.1
IDC 18:57:18.8, 0.8, 16.12S; 167.07E, h44km, mb4.9/14, mb1.4/9.14, mb1mx4.8/19, MS5.5/2, Ms1.5/2, ms1mx4.8/20, Error ellipse: s-maj=17.9km s-min=16.1km az=120.0

SYO 18:57:19.7, 16.15S; 167.00E, h52km, MB5.3
HRVD 18:57:19.7, 0.7, 16.32S; 166.77E, h34km, MW5.3/34, Centroid moment tensor Solution. LP body waves: s34,c51; Mantle waves: s17,c23; Hal duration: 1s1 Moment tensor: Scale 10^17Nm; Mr1.01±0.05; Mw-0.11±0.06; Mw0.91±0.05; Mo0.17±0.09; Mo0.52±0.04; Ms-0.09±0.07; Best double couple: Mo1.11x10^17 Np1: 0.341°, 84.1°, 101°. NP2: 0.147°, 85.0°, 180°. Principal axes: T1.04, P1g81°, Azm33°; N.14, P1g7°, Azm153°; P -1.18, P1g4°, Azm243°; nsta2 refers to body waves, cutoff=40s; nsta2 refers to surface waves, cutoff=50s.

NEIC 18:57:19.7, 0.1, 16.15S; 167.00E, mb5.3/36 Error ellipse: s-maj=6.6km s-min=5.0km az=124.0
ISC 18:57:17.6, 0.3, 16.15S; 0.04-166.99E, 0.06, h51km, h51km, 2.2km; pP-P, n306, c0996, mb5.3/61, MS5.7/7, 28C-14D, Vanuatu Islands

Main table for 18d 19h section, listing station codes (BKM, NOUC, etc.), station names, coordinates, and various parameters.

2004 MAR

Main table for 2004 MAR section, listing station codes (CN2, ENH, etc.), station names, coordinates, and various parameters.

396

Main table for 396 section, listing station codes (YKA, NVS, etc.), station names, coordinates, and various parameters.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time Res, ISC. Lists stations like ECH, HINF, HAU, LOMF, etc.

LDG 18 19:59:53.9, 0.2, 16.00s; 166.37E, h10km; Mb4.7/3, Error ellipse: s-maj=26.2km s-min=5.5km az=83.0

2004 MAR

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time Res, ISC. Lists stations like CTA, CTA, URZ, CNB, STKA, WRA, ASAR, etc.

LDG 18 19:59:59.2, 7.4, 16.10s; 167.01E, h58km; mb4.5/11, mb1.4/6/11, mb1mx4.5/16, Error ellipse: s-maj=28.8km

18d 20h

Table with columns: Station Name, Azimuth, Phase ID, Time Res, ISC. Lists stations like NOZ, BKM, NOUC, etc.

LDG 18 19:59:59.2, 7.4, 16.10s; 167.01E, h58km; mb4.5/11, mb1.4/6/11, mb1mx4.5/16, Error ellipse: s-maj=28.8km





Table with columns: Name, Location, Time, Status, and other details. Includes entries like South Promonto, Los Pinos Moun, Hans Valley, etc.

Table with columns: Name, Location, Time, Status, and other details. Includes entries like BILL, BILL, BILL, CHIANGRAI, etc.

Table with columns: Name, Location, Time, Status, and other details. Includes entries like PLAL, LRAL, LRAL, ULM, ULM, etc.



Table with columns: MOX, Moxa, 152.71 349, L, 21 41 29.0, PKPdf, 20 24 13.0 -2.3, etc. Includes stations like PRU, ALFC, VYHS, KOLL, etc.

Table with columns: LOR, comp=Z,6um,20.0s, VAY, VAV, VAY, etc. Includes stations like PAIG, AVF, CABF, SMF, BGF, etc.

Table with columns: WEL, 18 20:33:55.0, 4.7, 37.03S-176.80E, h208km, 5km, ML3.6, 1C, Error ellipse: s-maj=6.8km s-min=3.9km az=90.0, North, etc. Includes stations like MXZ, MWZ, PUK, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ESPAROS, SONSECA ARRAY, ESACA, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 18 20:41:46, NEIC 18 20:41:49, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like VNA3, VNA2, TXAR, etc.

IDC 18 20:48:45.1, 1.3, 2.4, 10Sx175.87W, mb4.2/7, mb1 4.4/8, mb1mx4.3/13, ML3.2/1, Error ellipse: s-maj=63.9km s-min=21.8km az=155.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC.

BUC 18 20:51:13.4:1.4, 45.63N:26.57E, h141km, 11km, MD3.9/3, 1C-2D, Error ellipse: s-maj=9.2km s-min=6.3km az=82.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like VRI, VRI, ISR, etc.

MOS 18 21:05:39.1, 2.6, 43.14N:47.65E, h10km, mb3.9/1, Error ellipse: s-maj=13.9km s-min=7.0km az=69.8

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

IS 18 21:05:38.1, 1.6, 43.28N:0.08:47.45E, h8km, 5km, n14, 0:92/24, 2C-4D, Eastern Caucasus

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KRNR, KRNR, MNSR, etc.

IDC 18 21:13:56.3:10.0, 2.1, 10S-179.07W, mb3.8/3, mb1 4.1/3, mb1mx3.9/10, Error ellipse: s-maj=345km s-min=91.2km az=138.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ASAR, ASAR, WRA, etc.

CASC 18 21:30:08.8:2.0, 13.72N-91.22W, h20km, 9km, MD3.2, ML3.5, 3C-4D, Near coast of Guatemala

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

Table with columns: SNJE, San Jose, 1.58 84 eP, Pn, 21 30 36.2 +0.2

JMA 18 21:36:00.7:0.2, 41.05N:145.97E, h49km, 5km, M3.5, Hokkaido region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JAK, JAK, NEM2, etc.

IDC 18 21:44:18.6:2.0, 8.43S:128.87E, mb3.4/1, mb1 3.7/3, s-maj=28.2km az=85.0, Timor Sea

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

SYO 18 21:50:38.2:0.5, 22.44S:66.10W, h246km, MB4.4, NEIC 18 21:50:38.2:0.5, 22.44S:66.10W, h246km, mb4.4/24

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LVC, LVC, LPAZ, etc.

IS 18 21:50:37.5:0.8, 22.240S:0.06:66.14W, 0.08, h251km, 7km, n67, 0:99/58, mb4.2/3, 4C-3D, Juijuy Province

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LVC, LVC, LPAZ, etc.

ESDC Sonseca Array 84.69 43 eP, Pn, 22 02 45.0 +0.5

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

Table with columns: ASAR, Alice Springs, 130.24 204, PKP, PKPdf, 22 09 19.4 +0.9, etc.

CASC 18 22:10:22.0.2.3, 14.25N-93.34W, h2km, 341km, MD3.9, ML4.1, etc.

ISC 18 22:10:23.8-0.6, 15.01N-0.07-93.36W, 0.05, h33km, 151km, etc.

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

ISC 18 22:11:39.8-1.4, 25.44S-67.09W, mb4.0/4, mb1 4.2/6, mb1mx4.1/13, ML4.0/2, MS4.2/1, Ms1 4.1/1, ms1mx3.6/21, etc.

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

MOS 18 22:13:05.4-1.1, 4.78N-31.77E, h33km, mb5.0/7, Error ellipse: s-maj=37.6km s-min=11.2km az=90.9, etc.

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

Table with columns: ULDT, Uludag, 34.83 356, eP, P, 22 20 00.4 +1.4, etc.

ISC 18 22:11:39.8-1.4, 25.44S-67.09W, mb4.0/4, mb1 4.2/6, mb1mx4.1/13, ML4.0/2, MS4.2/1, Ms1 4.1/1, ms1mx3.6/21, etc.

ISC 18 22:11:46.8-1.7, 25.16S-66.86W, h40km, 14km, mb4.2/2, Error ellipse: s-maj=25.3km s-min=12.4km az=217.0, etc.

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

ISC 18 22:11:46.8-1.7, 25.16S-66.86W, h40km, 14km, mb4.2/2, Error ellipse: s-maj=25.3km s-min=12.4km az=217.0, etc.

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

ISC 18 22:13:07.9-0.3, 5.35N-32.05E, h10km, mb4.6, Ms4.9, BJI 18 22:13:07.9, 5.40N-32.00E, h10km, mb4.6, Ms4.9, etc.

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

Table with columns: CPUP, La Paz, 101.16 254, ePdf, P, 22 26 20.2, etc.

PRU 18 22:18:44.1, 50.17N-19.09E, WAR 18 22:18:44.0, 50.10N-19.15E, ML2.2, Mining Induced, etc.

ISC 18 22:18:42.5-0.7, 50.15N-19.05E-19.08E, 0.04, n8, r133/13, Poland, etc.

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

NEIC 18 22:19:39.1, 35.06N-4.07W, MG3.5(MDD), After MDD, MDD 18 22:19:39.4, 1, 35.08N-4.05W, mb3.5/7, Error ellipse: s-maj=14.0km s-min=5.2km az=16.0, PRXIMO, etc.

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

ISC 18 22:55:57.1, 119.0, 26.08N-53.51E, mb3.6/3, mb1 3.7/3, mb1mx3.5/16, Error ellipse: s-maj=2344.0km s-min=57.0km az=7.0, etc.

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

NEIC 18 22:58:27.3, 35.11N-4.05W, MG3.7(MDD), After MDD, MDD 18 22:58:27.3, 1.0, 35.11N-4.05W, mb3.8/16, Error ellipse: s-maj=10.7km s-min=4.4km az=17.0, PRXIMO, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and other parameters. Includes stations like LJA, ELIJ, ELU, ECOL, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and other parameters. Includes stations like BBSR, SACY, EVO, etc.

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

BJI 1823:09:39.9, 32.40N-0.20W, h10km, mB5.5, mb4.9, MS5.2, Ws4.9
IDC 1823:09:41.6, 0.5, 32.38N-0.23W, mb4.6/28, mb1.4/7/28,
mb1mx4.7/28, MS4.9/28, Ms1 1.0/28, ms1mx4.9/29, Error
ellipse: s-maj=14.6km s-min=4.9km az=147.0

MOX Moxa 41.90 49 i P 23 17 33.8 +0.6
MOX Moxa 41.90 49 e P 23 17 33.8 +0.6
MOX Moxa 41.90 49 p P 23 17 33.8 +0.6

MOX Moxa 41.90 49 i P 23 17 33.8 +0.6
MOX Moxa 41.90 49 e P 23 17 33.8 +0.6
MOX Moxa 41.90 49 p P 23 17 33.8 +0.6

Table of astronomical observations for 2004 MAR, columns 1-4. Includes stations like THESSALONIKI, SOHOKH, SRS, MMB, FINES, etc.

Table of astronomical observations for 2004 MAR, columns 5-8. Includes stations like INK, COBT, SOC, SOC, SOC, etc.

Table of astronomical observations for 18d 23h, columns 9-12. Includes stations like BOD, MOY, ZAK, ZAK, ULANBAATAR, etc.

Table listing station data for 19d 0h, including columns for code, station name, frequency, power, and other technical specifications.

Table listing station data for NEIC 1823:36.19, 7.6, 3.0, 53.3N, 19.12E, h5km, Error ellipse: s-maj=62.1km s-min=21.8km az=80.0.

Table listing station data for CASC 1823:43.14, 1.2, 2.3, 23.23N, 90.11W, h33km, 19km, MD3.5, ML3.4, 3C-7D, Near coast of Guatemala.

Table listing station data for NNC 1900:02:22.07, 1.7, 42.49N, 76.12E, mpv2.8, Error ellipse: s-maj=104.2km s-min=34.7km az=165.0.

Table listing station data for 2004 MAR, including columns for code, station name, frequency, power, and other technical specifications.

Table listing station data for IDC 1900:09:18.7, 0.9, 17.81S, 177.37W, mb1 4.4/7, mb1mx4.3/12, Error ellipse: s-maj=46.3km s-min=20.8km az=144.0.

Table listing station data for NEIC 1900:31.7, 0.8, 46.45N, 8.96E, h5km, ML2.2(STR), ML2.1(VIE), ML.1.9(LDG), Error ellipse: s-maj=10.2km s-min=6.3km az=154.0.

Table listing station data for CASC 1900:40:35.1, 1.5, 11.25N, 86.72W, h20km, 9km, MD3.6, ML3.1, 1C-2D, Near coast of Nicaragua.

Table listing station data for DJA 1900:40:47.8, 0.9, 9.55S, 115.13E, h33km, MD4.5/2, ML4.0/3, 6C-2D, Error ellipse: s-maj=19.5km s-min=10.6km az=6.0, South of Bali.

Table listing station data for KELLI 132nm, 0.2s, including columns for code, station name, frequency, power, and other technical specifications.

Table listing station data for NED 1900:52:00.33, 60N, 140.70E, h32km, Mw4.0, Best double couple: M1.27x10^15 NP1φ; 153°, δ62°, λ-60°. NP2: φ=282°, δ40°, λ-133°.

Table listing station data for NEIC 1900:52:15.5, 1.0, 33.30N, 140.91E, h33km, mb4.4/2, Error ellipse: s-maj=28.0km s-min=11.4km az=115.7.

Table listing station data for NEIC Recorded [1 JMA] on Hachioji-jima. BJI 1900:52:20.5, 33.40N, 140.70E, h53km, mb4.4.



comp=Z,0.7nm,0.9s,mb3.8,baz=34,slo=3.5,SNR=3.6
TXAR Lajitas Array 92.72 52 P P 01 05 28.1 +1.4

ARCES comp=Z,6.0nm,1.2s pmax pmax
NB2 NORSTAR Subarray 44.85 323 P P 01 39 56.8 -0.2

JNU S S 01 53 19.5 -2.2
CBJ Chichi jima 10.09 100 P P 01 54 06.4 -1.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JHU2 Mitsune, JHU3 Kozu shima, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NEIC 19 01:35:34.2, LDG 19 01:35:34.9, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, ZAL Zalesovo, etc.

JMA 19 00:53:10.8,0.2,33.55N,140.66E,h44km,M3.8, Southeast of Honshu
Code Station Name Az Az' Phase ID Time Res ISC

NEIC 19 01:35:32.0,7.42,92.9N,1.81W,ML2.0(LDG),MN1.3(MDD), After MDD
LDG 19 01:35:34.9,0.5,42.85N,1.84W,h2km,M2.0/5, Error ellipse: s-maj=9.6km s-min=5.1km az=29.0

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ARCES ARCES Array B, FINES FINES Array B, etc.

JMA 19 00:56:18.0,0.2,33.56N,140.72E,h43km,M3.3
NEIC 19 00:56:19.2,2.8,33.46N,140.68E,h52km,26km, Error ellipse: s-maj=36.0km s-min=20.6km az=94.0

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ELIZ Elizondo, ELIZ Elizondo, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ARCES ARCES Array B, FINES FINES Array B, etc.

JMA 19 00:56:17.1,1.2,33.55N,140.70E,0.1,h57km,12km, n15,0e49/21,mb3.4/4, Southeast of Honshu
Code Station Name Az Az' Phase ID Time Res ISC

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ELIZ Elizondo, ELIZ Elizondo, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ARCES ARCES Array B, FINES FINES Array B, etc.

IDC 19 01:07:20.6,4.7,6.06S,102.95E,mb3.6/3,mb1 3.8/3, mb1mx3.6/12, Error ellipse: s-maj=201.0km s-min=67.5km az=54.0, Southwest of Sumatara
Code Station Name Az Az' Phase ID Time Res ISC

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ELIZ Elizondo, ELIZ Elizondo, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ARCES ARCES Array B, FINES FINES Array B, etc.

IDC 19 01:07:20.6,4.7,6.06S,102.95E,mb3.6/3,mb1 3.8/3, mb1mx3.6/12, Error ellipse: s-maj=201.0km s-min=67.5km az=54.0, Southwest of Sumatara
Code Station Name Az Az' Phase ID Time Res ISC

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ELIZ Elizondo, ELIZ Elizondo, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ARCES ARCES Array B, FINES FINES Array B, etc.

IDC 19 01:07:20.6,4.7,6.06S,102.95E,mb3.6/3,mb1 3.8/3, mb1mx3.6/12, Error ellipse: s-maj=201.0km s-min=67.5km az=54.0, Southwest of Sumatara
Code Station Name Az Az' Phase ID Time Res ISC

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ELIZ Elizondo, ELIZ Elizondo, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ARCES ARCES Array B, FINES FINES Array B, etc.

NEIC 19 01:09:23.0,34.31N,116.93W,h10km,ML3.5(PAS), After PAS, Southern California
Code Station Name Az Az' Phase ID Time Res ISC

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ELIZ Elizondo, ELIZ Elizondo, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ARCES ARCES Array B, FINES FINES Array B, etc.

IDC 19 01:31:39.0,10.0,35.35N,70.81E,mb3.8/4,mb1 3.8/6, mb1mx3.6/16,ML3.1/2, Error ellipse: s-maj=181.0km s-min=39.1km az=158.0
Code Station Name Az Az' Phase ID Time Res ISC

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ELIZ Elizondo, ELIZ Elizondo, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ARCES ARCES Array B, FINES FINES Array B, etc.

NNC 19 01:31:39.0,10.0,36.69N,69.48E,mpv4.0, Error ellipse: s-maj=339.6km s-min=250.5km az=126.0
Code Station Name Az Az' Phase ID Time Res ISC

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ELIZ Elizondo, ELIZ Elizondo, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ARCES ARCES Array B, FINES FINES Array B, etc.

MOS 19 01:32:08.2,1.7,38.56N,69.57E,h33km,mb4.2/3, Error ellipse: s-maj=56.8km s-min=30.0km az=79.1
Code Station Name Az Az' Phase ID Time Res ISC

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ELIZ Elizondo, ELIZ Elizondo, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ARCES ARCES Array B, FINES FINES Array B, etc.

IDC 19 01:51:42.9,0.7,29.33N,131.03E,h60km,6km, n29,0e93/40,mb3.7/9, Southeast of Ryukyu Islands
Code Station Name Az Az' Phase ID Time Res ISC

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ELIZ Elizondo, ELIZ Elizondo, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ARCES ARCES Array B, FINES FINES Array B, etc.

IDC 19 01:51:44.5,1.6,29.37N,130.91E,h55km,13km, Error ellipse: s-maj=27.4km s-min=14.6km az=121.0
Code Station Name Az Az' Phase ID Time Res ISC

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ELIZ Elizondo, ELIZ Elizondo, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ARCES ARCES Array B, FINES FINES Array B, etc.

IDC 19 01:51:44.5,1.6,29.37N,130.91E,h55km,13km, Error ellipse: s-maj=27.4km s-min=14.6km az=121.0
Code Station Name Az Az' Phase ID Time Res ISC

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ELIZ Elizondo, ELIZ Elizondo, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ARCES ARCES Array B, FINES FINES Array B, etc.

IDC 19 01:51:44.5,1.6,29.37N,130.91E,h55km,13km, Error ellipse: s-maj=27.4km s-min=14.6km az=121.0
Code Station Name Az Az' Phase ID Time Res ISC

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ELIZ Elizondo, ELIZ Elizondo, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ARCES ARCES Array B, FINES FINES Array B, etc.

IDC 19 01:51:44.5,1.6,29.37N,130.91E,h55km,13km, Error ellipse: s-maj=27.4km s-min=14.6km az=121.0
Code Station Name Az Az' Phase ID Time Res ISC

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ELIZ Elizondo, ELIZ Elizondo, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ARCES ARCES Array B, FINES FINES Array B, etc.

IDC 19 01:51:44.5,1.6,29.37N,130.91E,h55km,13km, Error ellipse: s-maj=27.4km s-min=14.6km az=121.0
Code Station Name Az Az' Phase ID Time Res ISC

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ELIZ Elizondo, ELIZ Elizondo, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ARCES ARCES Array B, FINES FINES Array B, etc.

IDC 19 01:51:44.5,1.6,29.37N,130.91E,h55km,13km, Error ellipse: s-maj=27.4km s-min=14.6km az=121.0
Code Station Name Az Az' Phase ID Time Res ISC

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ELIZ Elizondo, ELIZ Elizondo, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ARCES ARCES Array B, FINES FINES Array B, etc.





mb3.9/8,mb1.4,1/8,mb1mx4.1/13,Error ellipse: s-maj=108.0km s-min=43.9km az=154.0

ISC 19 04:43:50.9,2.5,16.0S,0.1,167.2E,0.1,h63km,25km,n32,+108/20,mb4.2/1,2C-2D,Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like Butte a Klehm, DZM, etc.

ISC 19 04:53:27.6,1.1,23.58S,175.93W,mb4.4/9,mb1.4,7/11,mb1mx4.7/14,ML4.7/2,MS3.9/4,Ms1.3/9.4,ms1mx3.6/17,Error ellipse: s-maj=59.4km s-min=19.8km az=154.0

SYO 19 04:53:49.1,23.60S,176.25W,h175km,MB4.8,NEIC 19 04:53:49.2,23.60S,176.25W,h175km,27km,mb4.8/1,Error ellipse: s-maj=13.7km s-min=11.9km az=75.0

BUI 19 04:53:49.1,23.60S,176.20W,h175km,mb4.9,mb4.6,ISC 19 04:53:47.5,0.5,23.7S,0.1,176.26W,0.09,h175km,n69,+110/33,mb4.2/13,7C-3D,South of Fiji Islands

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

ISC 19 05:04:33.5,2.5,50.30N,87.65E,h15km,mb4.3/1,Error ellipse: s-maj=30.9km s-min=14.8km az=103.5

NINC 19 05:40:37.6,3.4,50.36N,87.28E,mpv3.7,Error ellipse: s-maj=27.2km s-min=14.4km az=75.0

ISC 19 05:40:33.6,0.9,50.41N,0.0,84.87SE,0.08,h10km,n10,+1909/13,2C-4D,Southwestern Siberia

Table with columns: KWP, Kalwaria, 150.10 335, ePKPbc, PKPdf, 05 13 19.9, +8.2

Table with columns: HENT, Hendek, 151.51 313, /P, PKPdf, 05 13 24.2, +10

Table with columns: WRA, Warrungarra Arr, 24.41 239, Op, ISC, 05 04 16.4, -0.4

Table with columns: ASAR, Alice Springs, 26.57 231, P, 05 04 37.5, +0.4

Table with columns: YKA, Yellowknife Arr, 96.58 28, P, 05 12 27.1, -0.1

Table with columns: KEDI, Kedondong, 0.14 320f, Op, ISC, 05 20 46.9, -0.4

Table with columns: RATI, Rata, 0.68 259f, Op, S, 05 20 58.4, -0.3

Table with columns: NEIC, NEIC Feilijl at Nephi, Also felt at Salt Lake City, 19 05:39:11.0,3.8,39.84N,111.90W,h21km,16km,mb2.5/1,AHID,mb1.3/0.3,mb1mx3.0/17,ML2.9/2,Error ellipse: s-maj=62.3km s-min=7.9km az=143.0

Table with columns: NLU, North Lily Min, 0.41 335f, Op, ISC, 05 19 16.1, +0.7

Table with columns: MPU, Maple Canyon, 0.46 21f, Pg, 05 19 25.5, +0.6

Table with columns: DAU, Daniels Canyon, 0.94 29, Pg, 05 19 42.0, +1.5

Table with columns: JLU, Jordanelle, 1.06 17, ePg, 05 19 47.1, -0.2

Table with columns: MSU, Marysval, 1.10 194, ePg, 05 19 47.9, +1.6

Table with columns: CTU, Camp Tracy, 1.11 4, ePg, 05 19 47.9, +0.3

Table with columns: SRU, San Rafael, 1.13 114, ePg, 05 19 47.9, +0.3

Table with columns: TUC, Toone Canyon, 1.57 12, ePg, 05 19 48.5, +2.0

Table with columns: 43nm,0.6s,baz=47,slow=32,SNR=8.1, NVS, Novosibirsk, 5.17 331, ePN, P, 05 42 07.0, +3.1

Table with columns: KURK, Kurchatov, 5.72 277, fJn, P, 05 42 01.2, +0.5

Table with columns: KURK, Kurchatov, 5.72 277, Pn, P, 05 42 01.2, +0.5

Table with columns: CHKZ, Chkalovo, 10.95 294, Pn, P, 05 43 13.1, -0.3

Table with columns: MOS, Moscow, 19 05:51:27.0,1.7,46.98N,82.55E,h14km,mb4.5/1,Error ellipse: s-maj=16.6km s-min=13.5km az=74.6

Table with columns: BUI, BUI 19 05:51:29.2,47.04N,82.53E,h26km,ML3.9,NEIC 19 05:51:29.2,47.04N,82.54E,h18km,3km,mpv3.5,Error ellipse: s-maj=3.6km s-min=0.9km az=38.0

Table with columns: ISC, ISC 19 05:51:29.2,0.6,47.14N,0.03,82.40E,0.09,h18km,n32,+0599/37,9C-3D,Kazakhstan-Xinjiang border region

Table with columns: MK05, Makanchi Array, 0.35 193, Op, P, 05 51 36.8, +0.1

Table with columns: MK06, Makanchi Array, 0.37 190, P, 05 51 36.8, -0.1

Table with columns: AKAR, Aktash, 4.70 45, ePN, P, 05 52 42.5, +1.5

Table with columns: ELT, Yel'tsovk, 6.82 20, ePN, P, 05 53 07.8, +0.8

Table with columns: KZ, Kyzyl, 7.19 228, P, Pn, 05 53 28.3, +1.2

Table with columns: AKK, Ala-Archa, 7.20 234, P, Pn, 05 53 21.4, +5.1

Table with columns: EK2S, Erkin-Say, 7.58 237, P, Pn, 05 53 26.5, +4.8

Table with columns: KK31, Karatay Array, 9.32 249, fPn, P, 05 53 44.0, -1.9

Table with columns: ZAK, Zakamensk, 14.14 69, eP, P, 05 54 48.0, -2.6

CASC 19 05:56:37.5,2.3,14.39N,91.69W,h73km,12km,MD3.6,ML3.5,1C-4D,Guatemala

Table with columns: JAT, Jato, 0.09 147, fJ, Op, ISC, 05 56 47.4, -0.8

Table with columns: FUG, Fuego 3, 0.82 86f, eP, P, 05 56 53.4, -0.7

Table with columns: IXP, Ixpaco, 1.22 100f, eS, P, 05 57 09.4, -0.6

Table with columns: RTR, El Retiro, 2.04 104, eS, P, 05 57 12.1, +1.7

GYC 19 06:01:56.8,0.2,40.69S,70.83W,h33km,ML4.4,SYO 19 06:01:59.5,20.41S,70.20W,h33km,MB5.2,MS4.9,NEIC 19 06:01:59.6,20.41S,70.20W,mb5.2/6,MS4.9/74,Error ellipse: s-maj=7.0km s-min=4.1km az=59.0

ISC 19 06:01:57.0±0.2, 20.43S, 0.04-70.27W, 0.05, h33km, h33km, 2km, p-P, n272, 0.699/173, mb4.9/74, MS4.9/90, 8C-5D, Near coast of northern Chile

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Residual. Includes stations like Limon Verde, Antofagasta, Copiapo, Villa Florida, etc.

Table with columns: RKT, Station Name, Azimuth, Phase, ID, Time, Residual. Includes stations like Wyandotte Cave, Millersville, Mont Chateau, Southern Illin, etc.

Table with columns: KIC, Station Name, Azimuth, Phase, ID, Time, Residual. Includes stations like Kosan Boka, Dimboko, South Pole Qui, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ELOB Lobios, ELUO Luque, ERON Agron, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like POO Poona, TRD Trivandrum, KAD Karad, etc.

NEIC 19 06:02:47.1, 35.14N; 3.98W, MG3.9(MDD), After MDD. MDD 19 06:02:47.6, 0.9, 35.17N; 3.96W, mb3.9/27, Error ellipse: s-maj=10.4km s-min=4.0km az=17.0, PRXIMO

Strait of Gibraltar

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like EMEL Meilla, MELI Meilla, EMAL Malaga-Limoner, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like EVIA Vianos, EGRO Granada, ETOB Tobarra, etc.

TAP 19 06:10:20.0, 21.96N; 121.26E, h29km, 1km, ML3.9 JMA 19 06:10:21.0, 20.4, 22.00N; 121.42E, h95km, ML3.6

0338/12, Taiwan region

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

IDC 19 06:25:19.8; 2.5, 5.21S; 106.93W, mb3.8/8, mb1 4.1/8, mb1mx4.0/13, Error ellipse: s-maj=99.9km s-min=28.8km az=57.0

ISC 19 06:25:19.7; 2.4, 5.25; 0.4; 106.99W; 0.6, h10km, n8, s1943/8, mb3.8/5, Central East Pacific Rise

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TXAR Lajas Array, NVAR Arina Bina, etc.

BJJ 19 06:40:12.9, 1.74S; 100.12E, h41km, mb5.0, Ms4.7, Msz4.5 SYJ 19 06:40:14.3, 1.75S; 100.35E, h44km, MB4.5

DJA 19 06:40:18.8, 1.60S;100.51E, h80km, MB4.5, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0

ISC 19 06:40:13.6-0.7, 1.6S-0.1, 100.7E-0.2, h44km, h44km, 1.1km, pP-P, n26, e100/23, mb4.5/9, 2C-1D,

Southern Sumatera

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations like Padang Panjang, Gunungsitoli, Prapat, etc.

HEL 19 07:07:58.5-0.2, 68.84N; 16.66E, ML2.2, MD2.6(BER), ML2.0(BER), Explosion

ICD 19 07:07:58.0-2.4, 68.93N; 17.01E, mb1 2.5/1, mb1mx2.5/16, ML1.9/1, Error ellipse: s-maj=35.8km s-min=10.6km az=141.0

NAO 19 07:07:59.7-3.5, 68.90N; 17.17E, ML2.4 BER 19 07:07:59.6-4.3, 68.87N; 16.81E, MD2.6, ML2.0, ML2.4(NAO), Explosion

ISC 19 07:07:56.5-0.6, 68.70N-0.04-16.98E-0.09, n19, s126/31, Northern Norway

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations like Tromso, Lofoten, Kilpisjarvi, etc.

NEIC 19 07:09:32.4, 38.28N; 22.18E, h7km, MD3.4(ATH), After ATH.

ATH 19 07:09:32.4, 38.28N; 22.18E, h7km, MD3.4/6 THE 19 07:09:33.2, 38.30N; 22.24E, h9km, ML3.4

ISC 19 07:09:32.1-0.9, 38.29N-0.03-22.21E-0.04, h9km, 7km, n15, e150/24, Greece

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations like Rioulos of Patr, Evrytania, Lokris, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations like Xorichti, Anlonnissos, Vellai, etc.

ICD 19 07:27:01.3-11.0, 23.92S-66.92W, h182km, 81km, mb1 3.5/2, mb1mx3.2/12, Error ellipse: s-maj=111.0km s-min=38.0km az=26.0, Jujuy Province

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations like La Paz, BDFB, MKAR, etc.

WEL 19 07:42:46.8-0.7, 35.20S-178.94E, h204km, 15km, ML4.0/2, Error ellipse: s-maj=21.5km s-min=8.8km az=90.0, Off east coast of North Island

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations like Matakaoa Point, Puketiti, Matawai, etc.

ICD 19 07:44:26.3-11.0, 4.08N-96.17E, mb3.4/2, mb1 3.8/3, mb1mx3.5/12, Error ellipse: s-maj=321.0km s-min=47.2km az=78.0, Northern Sumatera

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations like Chiang Mai Arr, Warrungama Arr, Alice Springs, etc.

ISK 19 08:24:25.9, 36.52N-28.88E, h22km, MD3.1

ATH 19 08:24:25.4, 36.46N-28.95E, h37km, MD3.1/4

ISC 19 08:24:25.9-1.7, 36.41N-0.06-28.96E-0.06, h59km, 23km, n15, e075/19, Dodecanese Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations like Kastellorizon, Arkhangelos, Elmal, etc.

NEIC 19 08:29:45.9, 18.12N-68.03W, h104km, MD3.5(RSPR), After RSPR.

RSPR 19 08:29:45.9, 18.12N-68.03W, h104km, 1km, M3.5, 15C-2D, Mona Passage

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations like Mayaguez, Las Mesas, Maguayo, etc.

NEIC 19 08:35:06.8, 37.82N-21.05E, h4km, MD3.5(ATH), After ATH.

ATH 19 08:35:07.4, 37.80N-21.13E, h5km, MD3.4/5

ISC 19 08:35:05.9-1.7, 37.67N-0.09-20.8E-0.1, h5km, n7, e123/10, Ionian Sea

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations like Valsamata, Rioulos of Patr, Ithomi, etc.

KRSC 19 08:44:32.2-1.2, 52.73N-160.54E, h7km, 2km, ML4.0

ISC 19 08:44:32.9-0.9, 52.73N-0.04-160.64E-0.05, h1km, 5km, n31, e093/50, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations like Mys Shipunski, Nalytchevo, Sedlovina, etc.

ICD 19 08:55:05.7-7.4, 18.38S-179.93E, mb3.8/3, mb1 4.1/3, mb1mx3.8/10, Error ellipse: s-maj=323.0km s-min=37.9km az=144.0, Fiji Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations like Warrungama Arr, Alice Springs, Elison Arr, etc.

ICD 19 08:59:44.7-2.6, 52.66N-36.68E, mb3.2/1, mb1 3.9/4, mb1mx3.6/16, ML3.7/3, Error ellipse: s-maj=45.9km s-min=16.7km az=96.0, Baltic States - Belarus

Northwestern Russia

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations like Muntele Rosu, FINESS Array B, ARCES ARCESS Array B, etc.

TIF 19 09:14:04.7, 41.28N-43.98E, h3km, mpv3.5, 3D, Turkey-Georgia-Armenia border region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations like Akhalkalaki, Delisi, Mtsaminda, etc.

MAN 19 09:15:01.1, 11.41N-125.34E, h28km, mb4.6, ML3.5, MS3.3

ISC 19 09:15:00.8-1.5, 11.39N-0.06-125.4E-0.1, h48km, 10km, n8, e086/12, Samar

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations like Borongan, Palo, Matamis, etc.

ICD 19 09:29:33.1-2.8, 41.83N-144.15E, mb3.4/3, mb1 3.6/4, mb1mx3.5/19, ML3.5/1, Error ellipse: s-maj=54.1km s-min=32.0km az=14.0

JMA 19 09:29:41.9-0.2, 42.18N-143.80E, h64km, 3km, M3.3

ISC 19 09:29:41.5-0.9, 42.19N-0.07-143.84E-0.07, h68km, 6km, n13, e063/23, mb3.3/3, 1C-4D, Hokkaido region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists seismic stations like Erimo, Churui, Onbets, etc.

Table with columns: Station Name, Frequency, Band, and other parameters. Rows include ASAJ, MKAR, ILAR, YKA.

ATH 19 10:01:57.3, 40.79N-21.22E, h9km,5km, MD3.5(ATH)
NEIC 19 10:01:59.0, 40.72N-21.21E, h10km, MD3.5(ATH),
MD3.0(PDG), Error ellipse: s-maj=8.2km s-min=4.8km az=66.0

PDG 19 10:01:59.3, 40.69N-21.16E, h12km,1km
THE 19 10:02:00.5, 40.70N-21.36E, h3km, ML3.1
ISC 19 10:01:58.1, 0.5, 40.72N-0.02, 21.23E-0.03, h6km,3km,
n33, -1806/56, 8C-6D, Greece

Main table for station data under 19d 10h, including columns for Code, Station Name, Frequency, Band, Phase ID, Time, and Res.

ISC 19 10:14:28.8±1.0, 31.25S-58.57E, mb4.2/6, mb1.4/4.6,
mb1mx4.2/14, MS4.0/11, Ms1 4/0.11, ms1mx3.8/24, Error
ellipse: s-maj=45.0km s-min=27.0km az=23.0

NEIC 19 10:14:30.2, 0.4, 31.21S-58.53E, h10km, Error ellipse:
s-maj=17.6km s-min=11.6km az=197.0

ISC 19 10:14:28.7, 0.6, 31.3S-0.2, 58.6E±0.1, h10km, n27,
±0584/11, mb4.2/9, MS4.1/12, Southwest Indian Ridge

Main table for station data under 19d 10h, continued, including columns for Code, Station Name, Frequency, Band, Phase ID, Time, and Res.

IGQ 19 10:19:48.4, 0.77S-80.05W, h18km,4km, mb4.4, 4C-4D,
Error ellipse: s-maj=6.3km s-min=2.9km az=167.5, Near
coast of Ecuador.

Small table for station data under 19d 10h, continued.

Table for station data under 2004 MAR, columns include Code, Station Name, Frequency, Band, Phase ID, Time, and Res.

ISC 19 10:45:01.3±2.3, 23.3N, 0.2±93.6E±0.1, h10km, n6, ±0558/8,
1D, Myanmar-India border region

Small table for station data under 2004 MAR, columns include Code, Station Name, Frequency, Band, Phase ID, Time, and Res.

ISC 19 10:46:00.4±0.6, 17.71S±168.46E, mb4.6/12, mb1.4/8/12,
mb1mx4.7/15, MS4.3/11, Ms1 4.3/11, ms1mx4.2/15, Error
ellipse: s-maj=21.9km s-min=19.1km az=146.0

LDG 19 10:46:02.0±0.2, 17.37S±168.12E, h10km, Mb5.2/2,
Ms4.3/8, Error ellipse: s-maj=37.5km s-min=4.5km
az=102.0

BUI 19 10:46:05.0, 17.35S±168.72E, h41km, mb5.1, mb5.0,
Ms4.8, Msz4.4
SYO 19 10:46:06.8, 17.83S±168.46E, h54km, MB4.9, MS4.8
HRVD 19 10:46:06.8±0.3, 17.36S±168.71E, h12km, 2km, MW5.0/58,
Centroid moment tensor Solution, LP body waves;
s26; C35; Mantle waves: ss8; 9; Half duration: 0 Moment
tensor: Scale 10^19Nm; Mr=0.36±.13; Mw=1.67±.13;
Mo=1.31±.13; Mo0.60±.31; Mo0.3±.10±.12; Mr1.18±.39;
Best double couple: Mo3.7x10^16 Np1.0±259°, 874°, -1-166°.
NP2.9±165°, 877°, -1-17°. Principal axes: T 3.62, Plog2°,
Azim123°; N 1.5, Plog69°, Azim307°; P 3.77, Plog21°.
Azim122°; nsta1 refers to body waves, cutoff=10s; nsta2
refers to surface waves, cutoff=50s.

NEIC 19 10:46:06.8±1.9, 17.83S±168.46E, h54km, mb4.9/22,
MS4.8/4 Error ellipse: s-maj=11.9km s-min=10.2km
az=194.0

ISC 19 10:46:03.8±1.0, 17.73S±0.05±168.44E±0.07, h40km, n27,
n122, ±195/65, mb4.9/34, MS4.3/13, 4C-2D, Vanuatu Islands

Main table for station data under 2004 MAR, columns include Code, Station Name, Frequency, Band, Phase ID, Time, and Res.

Main table for station data under 2004 MAR, columns include Code, Station Name, Frequency, Band, Phase ID, Time, and Res.







Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CTAW Charters Tower, WRAB Tennant Creek, WB2 Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes NEIC 19 14:17:43.5,2.2,35.38N-48.65E, h78km, 18km, mb4.4/1, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes NEN Nelson, NSCO Idaho Springs, NSCO Mina Array, etc.

NAO 19 14:54:37.1,3.0, 68.07N,32.74E, ML2.1 HEL 19 14:54:37.1,3.0, 68.08N,32.75E, ML2.0, ML2.1(NAO), Explosion

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes ISC 19 14:54:36.7,0.9, 68.02N,0.4,32.5E, 0.2, n14, s125/26, Baltic States - Belarus - Northwestern Russia

IDC 19 14:55:37.4,2.2,8.40S,120.51E, mb3.3/1, mb1 3.5/3, mb1mx3.5/1, ML3.6/2, Error ellipse: s-maj=209.0km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes WRA Warramunga Arr, NSAR Alice Springs, MKAR Makanchi Arr, etc.

IDC 19 14:57:33.7,3.9, 13.74N,92.20W, mb3.7/2, mb1 4.0/4, s-maj=53.0km, az=162.0

NEIC 19 14:57:36.5,2.0, 13.83N,92.26W, h15km, Error ellipse: s-maj=31.0km s-min=20.5km az=163.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes WRA Warramunga Arr, NSAR Alice Springs, MKAR Makanchi Arr, etc.

IDC 19 14:59:24.8,1.0, 13.88N,92.33W, mb4.1/6, mb1 4.4/10, mb1mx4.2/19, ML4.5/3, MS3.9/1, Ms1 3.9/11, ms1mx3.8/26, Error ellipse: s-maj=31.9km s-min=19.4km az=61.0

GCG 19 14:59:31.9, 14.28N,92.27W, h51km, MD4.5, ML5.0 NEIC 19 14:59:33.5,0.7, 14.12N,92.23W, h62km, mb4.5/9, MD4.6(MEX), Error ellipse: s-maj=32.1km s-min=5.9km az=22.0

CASC 19 14:59:34.1, 1.6, 14.07N,92.05W, h17km, 8km, MD4.4, ML4.5, mb4.5(NEIC)

MEX 19 14:59:38.0, 0.6, 14.38N,92.53W, h45km, 76km, MD4.6 ISC 19 14:59:32.1, 0.6, 14.14N,0.05,92.23W, 0.4, h65km, 5km, n78, 0.93/89, mb4.2/13, 3C-8D, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes FUG Fuego 3, CGM Matias Romero, TEIG Tepich, etc.

TIF 19 13:44:05.4, 41.43N,44.37E, h2km, Mpv3.6, 1C-1D, Western Caucasus

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes TBLG Delisi, MTA Mtsmindia, MTA Akhalkalaki, etc.

IDC 19 13:48:09.8, 7.8, 17.17S,178.87E, mb4.0/3, mb1 4.3/3, mb1mx4.0/10, Error ellipse: s-maj=351.0km s-min=33.8km az=143.0, Fiji Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes WRA Warramunga Arr, NSAR Alice Springs, ILAR Eielson Array, etc.

IDC 19 13:44:05.4, 41.43N,44.37E, h2km, Mpv3.6, 1C-1D, Western Caucasus

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes NLU North Lily Min, MPU Maple Canyon, MSU Mariysvale, etc.

IDC 19 13:48:09.8, 7.8, 17.17S,178.87E, mb4.0/3, mb1 4.3/3, mb1mx4.0/10, Error ellipse: s-maj=351.0km s-min=33.8km az=143.0, Fiji Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes WRA Warramunga Arr, NSAR Alice Springs, ILAR Eielson Array, etc.

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

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

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

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

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

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



19d 18h

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like FIAO, HFS, HAF, etc.

PRU 19 16:57:30.7, 51.43N, 16.17E
WAR 19 16:57:31.0, 51.45N, 16.16E, ML2.7, Mining Induced
NEIC 19 16:57:32.7, 3.4, 51.31N, 16.07E, h5km, Error ellipse:
s-maj=36.9km s-min=11.8km az=46.0

ISC 19 16:57:29.3, 1.2, 51.42N, 0.05, 16.08E, 0.06, n11, 0.19, 20/22, Poland

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like KSP, UPC, DPC, etc.

CASC 19 17:08:29.8, 1.6, 12.89N, 90.47W, h9km, g9km, MD3.8, ML3.6, 4C-5D, Off coast of central America

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

MT02 Montecristo 2 1.85 36i eP Pn 17 09 01.8 -0.3
MRL Marmol 2.29 19 eS Pn 17 09 08.4 +0.1
MRL 17 09 38.9 +1.9
MRL 17 10 00.5

NEIC 19 17:14:13.6, 36.40N, 7.90W, MN2.4(MDD), After MDD.
INMG 19 17:14:13.6, 1.1, 36.31N, 8.22W, h30km, 21km, ML1.8,
Error ellipse: s-maj=13.3km s-min=5.0km az=33.0

MDD 19 17:14:13.6, 2.1, 36.40N, 7.90W, mLQ2.4/5, Error ellipse:
s-maj=18.6km s-min=10.7km az=71.0, PRXIM0

ISC 19 17:14:12.5, 1.3, 36.39N, 0.07, 8.09W, 0.06, h30km, n13,
0.15/24, West of Gibraltar

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like PALC, ERIP, EGRO, etc.

ISC 19 17:28:05.4, 2.5, 19.93S, 175.85E, mb3.6/4, mb1 4.0/4,
mb1mx3.9/10, Error ellipse: s-maj=208.0km
s-min=26.4km az=159.0, South of Fiji Islands

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

ATH 19 17:35:11.8, 38.96N, 22.54E, h21km, 2km, MD3.6/12,
ML3.3
NEIC 19 17:35:12.1, 0.3, 39.00N, 22.57E, h10km, ML3.3(ATH),
Error ellipse: s-maj=4.9km s-min=4.4km az=144.0

2004 MAR

Main table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like AGG, LKB, LKR, etc.

ISC 19 17:45:00.9, 3.2, 6.07S, 129.10E, h253km, 27km, mb3.0/1,
mb1 3.7/3, mb1mx3.3/9, Error ellipse: s-maj=108.0km
s-min=14.2km az=70.0, Banda Sea

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like WRA, WB2, AS12, etc.

BUI 19 18:25:20.8, 34.70S, 55.20E, h10km, mb4.9, mb4.6
ISC 19 18:25:24.9, 1.2, 34.53S, 55.19E, mb4.7, mb1 4.5/7,
mb1mx4.4/13, MS4.5/13, MS1 4.5/13, ms1mx4.5/14, Error
ellipse: s-maj=49.7km s-min=25.1km az=39.0

SYO 19 18:25:25.8, 34.73S, 55.17E, h10km, MB4.6, MS4.8
HRVD 19 18:25:25.9, 0.3, 34.33S, 55.15E, h12km, MW5.1/64,
Centroid moment Tensor Solution. LP body waves:
s40,c55; Mantle waves: s64,c113; Half duration: 0
Moment tensor: Scale 10^16Nm; Mrr=6.48E+14;
Mtt=6.01E+14; Mtt=0.48E+14; Mtt=0.52E+14; Mtt=0.25E+14;
Mtt=0.54E+11; Best double couple: M6.29x1.01E+19; 90%
84% A-94% NP2 23% 84% A-9% Principal axes:
6.05, Plg3, Azm357; N, 5, Plg4, Azm267; P, 6.54,
Plg85, Azm118; nsta1 refers to body waves,
cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 19 18:25:25.9, 0.3, 34.73S, 55.17E, h10km, mb4.6/3,
MS4.8/1 Error ellipse: s-maj=13.1km s-min=11.5km
az=7.0

ISC 19 18:25:24.0, 0.5, 34.60S, 0.10, 55.2E, 0.1, h10km, n41,
0.19/13/23, mb4.4/13, MS4.6/14, 2D, Southwest Indian
Ridge

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like LBTB, LSZ, MAW, etc.

ISC 19 18:30:37.2, 2.9, 34.47S, 55.20E, mb3.8/4, mb1 4.1/4,
mb1mx3.9/12, Error ellipse: s-maj=97.5km
s-min=39.7km az=51.0, Southwest Indian Ridge

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

ISC 19 18:34:51.3, 2.9, 34.52S, 55.22E, mb3.7/3, mb1 4.0/3,
mb1mx3.8/12, Error ellipse: s-maj=103.0km
s-min=45.2km az=46.0, Southwest Indian Ridge

420

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like TROA, BVAR, BDFB, etc.

MAN 19 18:29:04.0, 4.64N, 126.52E, h30km, mb5.5, ML4.5, MS4.8
SYO 19 18:29:04.4, 4.66N, 126.82E, h103km, MB4.7,
NEIC 19 18:29:04.5, 4.2, 4.66N, 126.82E, h103km, 40km, mb4.7/6,
Error ellipse: s-maj=23.3km s-min=7.9km az=69.0

ISC 19 18:29:07.1, 1.0, 4.62N, 126.88E, h126km, 95km,
mb4.0/1, mb1 4.4/11, mb1mx4.0/16, MS3.1/1, MS1 3.1/1,
ms1mx2.8/20, Error ellipse: s-maj=52.6km s-min=16.4km
az=58.0

ISC 19 18:29:02.0, 5.9, 4.61N, 0.06, 126.7E, 0.1, h99km, 9km, n39,
0.15/13/39, mb4.4/17, 1C-4D, Talud Islands

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like GSPH, DMPH, KCP, etc.

ISC 19 18:30:37.2, 2.9, 34.47S, 55.20E, mb3.8/4, mb1 4.1/4,
mb1mx3.9/12, Error ellipse: s-maj=97.5km
s-min=39.7km az=51.0, Southwest Indian Ridge

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

ISC 19 18:35:58.0, 0.7, 34.41S, 55.30E, mb4.4/11, mb1 4.5/11,
mb1mx4.4/17, Error ellipse: s-maj=31.7km s-min=19.6km
az=51.0

SYO 19 18:35:00.9, 3.4, 53S, 55.21E, h10km, MB4.9, MS4.7
NEIC 19 18:35:00.9, 0.3, 34.53S, 55.21E, h10km, mb4.9/6,
MS4.7/1, Error ellipse: s-maj=12.5km s-min=11.2km
az=81.0
BUI 19 18:35:00.9, 3.4, 50S, 55.20E, h10km, mb4.9, mb4.6, MS4.4,
MS4.2
HRVD 19 18:35:00.9, 0.3, 34.30S, 55.19E, h12km, MW5.1/56,
Centroid moment Tensor Solution. LP body waves:
s18,c18; Mantle waves: s56,c87; Half duration: 0 Moment

tensor: Scale 10^16Nm; Mir-4.79t; 15; M004.38t; 14; M00.41t; 15; M01.01t; 54; M00.35t; 13; M00.01t; 76; Best double couple: Mx4.710x10^16 NP1-0.82; 839; -lambda-94; NP2-0.268; 651; -lambda-86; Principal axes: T:4.52, Plg66, Azm355; N:39, Plg3; Azm86; P:4.91, Plg83; Azm200; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 19:18:34.59:1.0,4.34,54.55,08,55.2E:0.1,h10km,n5,0.1926/34,mb4.4/19,MS4.7/1,1C-2D, Southwest Indian Ridge

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC. Lists seismic stations and their characteristics for the Southwest Indian Ridge event.

ISC 19:18:40.12:1.1,3.4,38.55,36E,mb4.2/4,mb1.4/4,mb1mx4.1/12, Error ellipse: s-maj=66.8km s-min=35.9km az=41.0

NEIC 19:18:40.14:1.1,2.34,35.55,31E,h10km, Error ellipse: s-maj=52.0km s-min=31.1km az=215.0, Southwest Indian Ridge

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC. Lists seismic stations and their characteristics for the NEIC event.

ISC 19:19:08:48.3:1.4,34.50S:55.20E,mb4.4/4,mb1.4/7,mb1mx4.2/12, Error ellipse: s-maj=57.6km s-min=33.3km az=36.0

NEIC 19:19:08:48.0:0.5,34.42S:55.17E,h10km,mb4.8/1, Error ellipse: s-maj=18.3km s-min=13.1km az=92.0

ISC 19:19:08:48.7:1.2,34.5S:0.155E:0.3,h10km,n17,0.0531/11,mb4.5/5, Southwest Indian Ridge

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC. Lists seismic stations and their characteristics for the ISC event.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC. Lists seismic stations and their characteristics for the QSPA event.

IDC 19:19:14:07.8:2.1,34.78S:55.18E,mb3.7/4,mb1.0/4,mb1mx3.8/12, Error ellipse: s-maj=81.5km s-min=35.6km az=40.0

NEIC 19:19:14:09.0:1.5,34.83S:55.09E,h10km, Error ellipse: s-maj=61.0km s-min=29.5km az=220.0

ISC 19:19:14:09.4:5.5,34.6S:0.65E:0.6,h10km,n9,0.0993/4,mb3.7/4, Southwest Indian Ridge

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC. Lists seismic stations and their characteristics for the IDC event.

IDC 19:19:16:11.8:2.9,34.68S:55.06E,mb3.7/4,mb1.3/9,mb1mx3.8/12, Error ellipse: s-maj=100.0km s-min=33.1km az=39.0

ISC 19:19:16:11.6:3.4,34.7S:0.655E:1.0E:0.6,h10km,n5,0.0993/4,mb3.7/4, Southwest Indian Ridge

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC. Lists seismic stations and their characteristics for the IDC event.

IDC 19:19:20:19.3:14.0,34.77S:54.57E,mb3.6/3,mb1.3/9,mb1mx3.7/12,MS4.0/1,MS1.3/9, Error ellipse: s-maj=508.0km s-min=56.3km az=55.0, Southwest Indian Ridge

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC. Lists seismic stations and their characteristics for the IDC event.

ZUR\_RM 19:19:27:28.32,78N:49.04E,h18km,Mw4.3/4, Moment Tensor Solution, s-0 Moment tensor: Scale 10^15Nm; Mx3.08; M0.04; M0.28; M0.168; M0.95; M0.14; Best double couple: Mx3.67x10^15 NP1-0.352; 856; -lambda-59; NP2-0.220; 645; -lambda-128; Principal axes: T:4.082, Plg64, Azm207; N:-833, Plg26; Azm11; P:-3.249, Plg6; Azm104;

NEIC 19:19:28:9.4:4.2,32.78N:49.04E,h8km,mb4.5/20, Error ellipse: s-maj=10.3km s-min=5.7km az=183.0

BJI 19:19:27:29.5:32.80N:49.00E,h7km,mb4.6,mb4.5

KISR 19:19:27:29.7:0.6,32.84N:49.13E,h31km,638m,MD4.2,ML4.4,mb4.5(NEIC)

MOS 19:19:27:30.0:1.0,32.55N:49.03E,h33km,mb4.7/16, Error ellipse: s-maj=9.5km s-min=6.8km az=115.5

IDC 19:19:27:32.6:2.7,32.61N:48.99E,h36km,20km,mb4.0/15,mb1.4/2/17,mb1mx4.1/21,ML4.3/2,MS3.5/4,Ms1.3/5.4,ms1mx3.2/20, Error ellipse: s-maj=27.6km s-min=15.9km az=6.0

HLS 19:19:27:33.4,32.20N:48.83E

ISC 19:19:27:52.0:32.79N:0.03:49.06E:0.03,h8km,n126,0.1914/134,mb4.4/43,MS3.5/3,5C-2D, Western Iran

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC. Lists seismic stations and their characteristics for the ISC event.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC. Lists seismic stations and their characteristics for the AFFS event.

comp=Z:1.79nm,19.6s,baz=130,slow=43

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC. Lists seismic stations and their characteristics for the AFFS event.

comp=Z:3.0nm,1.2s,13.85 300e / P

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC. Lists seismic stations and their characteristics for the AFFS event.

comp=Z:2.27nm,1.2s,mb4.7

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC. Lists seismic stations and their characteristics for the AFFS event.

comp=Z:2.1nm,0.4s,mb4.2

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC. Lists seismic stations and their characteristics for the AFFS event.

comp=Z:2.0nm,0.8s,mb4.7

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC. Lists seismic stations and their characteristics for the AFFS event.

comp=Z:2.0nm,0.5s,mb4.6

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC. Lists seismic stations and their characteristics for the AFFS event.

comp=Z:2.0nm,0.5s,mb4.6

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time Res, ISC. Lists seismic stations and their characteristics for the AFFS event.

Table listing station data for 19d 19h, including station names like MEZP, SMF, LOR, etc., and their associated parameters and times.

Table listing station data for 2004 MAR, including station names like PAGZ, GUIM, MOS, etc., and their associated parameters and times.

Table listing station data for 422, including station names like ARU, OBN, ORIF, etc., and their associated parameters and times.

Table listing station data for MAN 19:37:53.8, 9.35N, 125.53E, including station names like SCPH, MSPL, etc., and their associated parameters and times.

Table listing station data for SBFC, including station names like SBFC, Vranov, etc., and their associated parameters and times.

Table listing station data for NEIC 19:43:25.9, 41.05N, 21.97E, including station names like GRG, VAY, etc., and their associated parameters and times.







PSZ	Piszkesteto	87.89 337f	ePcP	PcP	20 54 48.8	-3.3
PSZ	Piszkesteto	87.89 337	eP	P	20 54 48.6	-1.2
PSZ	comp-Z,28nm,1.0s,mb5.5					
PSZ	Piszkesteto	87.89 337	eP	P	20 54 48.6	-1.2
MAIM	Borovoye Array	88.01 329	P	P	20 54 50.3	-0.2
BVAV	Borovoye	88.02	9 P	P	20 54 50.1	-0.2
BRVK	Grobnik	88.14 334	eP	P	20 54 50.6	+0.2
GROS	Kecevo	88.19 338	eP	P	20 54 51.4	+0.4
KECS	Kecevo	88.19 338	eP	P	20 54 51.4	+0.1
CRVS	Cervenica-Dubn	88.26 336	iP	P	20 54 52.2	+0.6
CRVS	Sassorosso	88.27 329	eP	P	20 55 02.3	
SARO	Vojsko	88.39 332	eP	P	20 54 51.1	-0.7
VOY	Vojsko	88.39 332	eP	P	20 54 51.1	-0.9
VALM	Obir	88.47 329	iP	P	20 54 53.6	+0.9
OBK	Obir	88.54 333	iP	P	20 54 52.8	-0.2
KWP	Kalwaria	88.54 339	eP	P	20 54 52.4	-0.5
KWP	comp-Z,2um,25.8s,MS5.4					
GRAM		88.66 329	P	P	20 54 52.7	-0.9
CODM		88.67 329	eP	P	20 54 51.9	-1.8
CHKZ	Chkalovo	88.68	9 P	P	20 54 53.4	-0.1
VYHS	Yhtine	88.73 337	eP	P	20 54 53.9	-0.6
VYHS		88.73 337	eP	P	20 55 01.4	
ARSA	Arzberg	88.81 334	iP	P	20 54 54.4	+0.2
KOLL	Kolacno	88.95 336	iP	P	20 54 54.9	0.0
ZST	Bratislava	89.06 335	eP	P	20 54 55.3	+0.1
ZST		89.06 335	eP	P	20 55 05.1	
NIE	Niedzica	89.07 338	eP	P	20 54 56.5	+1.0
IMI	Imperia	89.13 328	P	P	20 54 57.0	+1.1
NEGI	Negi	89.16 328	P	P	20 54 56.4	+0.3
RORO	Revere	89.21 328	P	P	20 54 56.2	0.0
BERF	Finale Ligure	89.23 327	eP	P	20 54 56.5	+0.2
FIN	Finale Ligure	89.23 328	P	P	20 54 56.9	+0.6
SBF	Sospel	89.29 327	eP	P	20 54 57.7	+1.1
LMR	La Mouri	89.29 327	eP	P	20 54 57.5	+0.8
LMR	comp-Z,142nm,1.3s,mb5.8					
MONI	Monre	89.32 328	P	P	20 54 56.8	0.0
SAOF	Saorge	89.34 328	eP	P	20 54 57.4	+0.5
PCP	Pian Castagno	89.34 329	P	P	20 54 57.7	+0.8
AURF	Auriere	89.36 327	eP	P	20 54 57.4	+0.4
AURF	La Forest Royal	89.41 327	eP	P	20 54 58.0	+0.8
ROB	Roburent	89.44 328	P	P	20 54 57.3	-0.1
MVIF	Mont Vial	89.44 327	eP	P	20 54 58.2	+0.8
CALN	Calern	89.45 327	eP	P	20 54 58.0	+0.6
KBA	Koolbrenspier	89.45 333	iP	P	20 54 57.7	+0.3
KBA	comp-Z,25nm,1.4s,mb5.5					
TOUF	Mont Tournai	89.50 327	eP	P	20 54 58.4	+0.8
ENR	Entraque	89.59 328	P	P	20 54 58.5	+0.5
STV	Sta Anna Valdi	89.64 328	P	P	20 54 58.5	+0.2
BERP	Berghem	89.65 326	eP	P	20 54 59.9	+1.5
TAVF	Tavernes	89.72 327	eP	P	20 55 00.1	+1.4
URZ	Urewera	89.74 138	P	P	20 55 00.3	+1.4
MOA	Molin	89.77 334	iP	P	20 54 58.6	-0.2
MOA	comp-Z,23nm,1.2s,mb5.8					
PUYF	Puylobrier	89.82 326	eP	P	20 55 00.7	+1.6
GELF	Grande-Etoile	89.83 326	eP	P	20 55 00.3	+1.1
OJC	Ojcow	89.94 338	eP	P	20 54 59.0	-0.5
OJC		89.94 338	eP	P	20 58 10.6	
OJC		89.94 338	eP	P	21 05 09.8	
OJC		89.94 338	eP	P	21 05 01.5	
OJC		89.94 338	eP	P	21 04 38.0	
OJC	comp-Z,800nm,22.3s,MS5.1					
OJC	Ojcow	89.94 338	eP	P	20 54 59.0	-0.5
OJC	comp-Z,800nm,22.3s,MS5.1					
PZZ	Prazzo	89.95 328	P	P	20 54 59.9	+0.2
TREF	Travresse	90.03 326	eP	P	20 55 01.8	+1.7
SURF	Saint Ours	90.06 328	eP	P	20 55 01.7	+1.5
VILF	Villars	90.06 327	eP	P	20 55 01.6	+1.4
OKC	Ostrava-Krasne	90.12 328	P	P	20 55 00.0	-0.1
BHB	Bricherasio	90.14 328	P	P	20 55 00.5	-0.1
PLCA	Paso Flores	90.21 218	eP	P	20 54 59.6	-1.4
PLCA	comp-Z,54nm,2.1s					
PLCA	comp-Z,840nm,22.0s					
PLCA	Paso Flores	90.21 218	eP	P	20 54 59.6	-1.4
PLCA	comp-Z,54nm,2.2s,mb5.5					
PLCA	comp-Z,843nm,22.0s,MS5.1					
SMRF	Simiane la Rot	90.22 327	eP	P	20 55 01.9	+0.9
MBDF	Montbardonn	90.27 328	eP	P	20 55 02.9	+1.7
MORC	Moravsky Berou	90.27 337	eP	P	20 54 60.0	-1.1
PRAF	Pradon	90.27 326	eP	P	20 55 04.0	+2.8
WTTA	Wattenberg	90.28 332	iP	P	20 55 00.8	-0.4
OG30	Le Claire	90.30 327	eP	P	20 55 02.3	+1.0
WATA	Walderalm	90.36 332	iP	P	20 55 00.9	-0.6
RSP	Reno Superiore	90.39 328	P	P	20 55 01.5	-0.2
SQTA	Sankt Quirin	90.41 332	iP	P	20 55 02.1	+0.3
RRL	Cesana Torines	90.41 328	P	P	20 55 02.9	+1.0
ARU	Arzi	90.50 21	iP	P	20 55 01.1	-0.8
ARU		90.50 21	iP	P	20 58 34.7	
ARU		90.50 21	iP	P	21 05 29.9	-25
ARU		90.50 21	iP	P	21 11 51.9	-7.2
ARU	comp-Z,38nm,1.0s,mb5.7					
ARU	comp-Z,2um,21.9s,MS5.4					
ARU	comp-N,1um,20.9s,MS5.3					
ARU	comp-E,400nm,22.4s,MS5.3					
ARU	Arzi	90.50 2	iP	P	20 55 01.3	
MOTA	Moosalm	90.55 332	iP	P	20 55 02.1	-0.3
BNI	Bardonecchia	90.56 328	eP	P	20 55 03.0	+0.5
OBN	Obninsk	90.59 349	eP	P	20 55 02.5	+0.1
OBN	comp-Z,49nm,1.4s,mb5.6					
OBN	comp-Z,1um,21.0s,MS5.4					
OBN	Obninsk	90.59 349	eP	P	20 55 02.2	-0.2
OBN	comp-Z,2um,20.0s,MS5.5					
LSD	Ceresole Reale	90.67 328	P	P	20 55 02.2	-0.8
GERES	GERES Array B	90.81 334	P	P	20 55 02.7	-0.8
ORIF	Oris-en-Rattie	90.81 327	eP	P	20 55 04.9	+1.2
ORIF	comp-Z,62nm,1.2s,mb5.5					
LRG	comp-Z,2um,19.8s					
PLA	La Plagne	90.88 328	eP	P	20 55 04.7	+0.7
LPL	La Plagne	90.90 328	eP	P	20 55 04.7	+0.6
GDM	comp-Z,29nm,0.8s,mb5.5					
SVE	Sverdlovsk	90.96 31	iP	P	20 55 05.2	+1.0
SVE		90.96 31	iP	P	21 05 39.0	
SVE		90.96 31	iP	P	21 06 03.0	
SVE		90.96 31	iP	P	21 12 12.0	
SVE	comp-Z,230nm,2.6s,mb6.0					
SVE	comp-N,1um,20.0s,MS5.3					
SVE	comp-E,500nm,20.0s,MS5.3					
SVE	comp-Z,1um,20.0s,MS5.3					
DAVA	Damuels	90.99 331	iP	P	20 55 04.4	0.0
MOS	Moscow	91.04 350	eP	P	20 55 06.1	+1.6
MOS	comp-Z,60nm,0.7s,mb6.0					
MOS	comp-Z,1um,17.0s,MS5.5					
MOS	comp-N,1um,20.0s					
LASF	Ste Croix	91.09 326	eP	P	20 55 06.3	+1.3
LASF	comp-N,75nm,1.3s,mb5.6					

KHC	Kasperske Hory	91.09 334	eP	P	20 55 04.0	-0.8
GRN	Grenoble	91.12 327	eP	P	20 55 05.9	+0.8
DOB	Dobruska-Polom	91.17 336	eP	P	20 55 04.9	-0.3
VIVF	Saint-Julien-I	91.31 327	eP	P	20 55 07.0	+1.0
UTLF	Montlieu	91.31 324	eP	P	20 55 06.9	+0.9
MLP	comp-N,25nm,1.0s,mb5.2					
UPICE	Upice	91.41 336	eP	P	20 55 05.8	-0.5
PRU	Pruhonice	91.47 335	eP	P	20 55 05.9	-0.7
PRU	comp-N,91nm,1.9s,mb5.6					
PRU	Pruhonice	91.47 335	eP	P	20 55 05.9	-0.7
ZAL	Zalesovo	91.56 17	P	P	20 55 06.9	0.0
ZAL	baz=180,slow=4.5					
ZAL	comp-Z,1um,19.8s,MS5.3,baz=164,slow=35					
KSP	Ksiaz	91.60 336	eP	P	20 55 06.1	-1.0
KSP	comp-Z,2um,29.2s,MS5.5					
KSP	Ksiaz	91.60 336	eP	P	20 55 07.4	+0.3
KSP	e'PP					
KSP	e'SP					
KSP	e'SS					
KSP	MLR					
ESDC	Sonsec Array	91.85 318	P	P	20 55 08.2	-0.4
ESDC	comp-Z,8.9nm,0.8s,mb5.1,baz=138,slow=4.2,SNR=38					
ESDC	comp-Z,8.9nm,1.8s,MS5.9,baz=130,slow=37					
ESLA	Sonsec Array	91.85 318	eP	P	20 55 08.0	-0.6
ESLA	comp-Z,8.9nm,1.2s,mb5.0					
BDFB	Brasilia	91.97 250	P	P	20 55 11.0	+1.4
BDFB	comp-Z,6.7nm,1.0s,mb4.9,baz=140,slow=2.8,SNR=5.9					
BDFB	comp-Z,1um,18.1s,MS5.3,baz=125,slow=32					
EPF	Esparrros	92.00 323	eP	P	20 55 10.1	+0.9
NVS	Novosibirsk	92.03 16	iP	P	20 55 07.4	-1.6
NVS	comp-N,19nm,1.7s					
NVS	comp-E,17nm,1.7s					
NVS	comp-Z,39nm,1.7s,mb5.5					
CABF	La Chapelle	92.04 328	eP	P	20 55 10.2	+0.9
SPAK	Spaichingen	92.09 331	eP	P	20 55 08.9	-0.5
BBS	Basei-Blauen	92.10 330	eP	P	20 55 09.8	+0.3
CPUP	Villa Florida	92.23 236	P	P	20 55 11.0	+0.9
CPUP	comp-Z,1um,1.0s,baz=120,slow=5.3,SNR=2.8					
CPUP	comp-Z,0.4nm,0.5s,baz=154,slow=8.2,SNR=4.1					
CPUP	comp-Z,537nm,19.2s,MS5.0,baz=167,slow=31					
CPUP	Villa Florida	92.23 236	eP	P	20 55 10.4	-0.2
CPUP	comp-Z,16nm,1.6s					
CPUP	comp-Z,380nm,22.0s					
CPUP	Villa Florida	92.23 236	eP	P	20 55 10.4	-0.2
CPUP	comp-Z,16nm,1.6s,mb5.1					
CPUP	comp-Z,382nm,22.0s,MS4.8					
LOMF	Lomont	92.30 329	eP	P	20 55 11.8	+1.4
SUM	Suwalki	92.34 342	eP	P	20 55 10.1	-0.4
SUM	comp-Z,1um,21.6s,MS5.4					
SUW	Suwalki	92.34 342	eP	P	20 55 09.3	-1.2
ETSF	Etsaut	92.36 322	eP	P	20 55 12.1	+1.3
NKC	Novy Kostel	92.42 334	eP	P	20 55 11.3	+0.4
BRG	Bergsiesshubel	92.42 335	eP	P	20 55 11.3	+0.4
BRG	comp-Z,49nm,2.0s,mb5.5					
BRG	Bergsiesshubel	92.42 335	eP	P	20 55 11.3	+0.4
GRA1	Grabenberg Arr	92.42 333	eP	P	20 55 10.8	-0.2
GRA1	comp-Z,75nm,2.0s,mb5.7					
GRA1	comp-Z,800nm,19.4s,MS5.2					
GRF	Grabenberg Arr	92.42 333	eP	P	20 55 10.8	-0.2
GRF	comp-Z,75nm,2.0s,mb5.7					
GRF	comp-Z,800nm,19.4s,MS5.2					
CAF	Calviac	92.57 325	eP	P	20 55 13.5	+1.7
HINF	Hinterferal	92.57 325	eP	P	20 55 12.4	+0.3
CDF	Champ du Feu	92.95 330	eP	P	20 55 13.5	+0.1
HAU	Haudomper	93.02 329	eP	P	20 55 14.0	+0.3
HAU	comp-Z,35nm,0.9s,mb5.2					
SMF	Signal de Mont	93.05 327	eP	P	20 55 14.5	+0.6
MOX	Moxa	93.06 334	eP	P	20 55 16.0	+2.1
MOX	comp-Z,1um,18.0s					
COLL	Collm	93.11 335	P	P	20 55 12.0	-2.1
COLL	comp-Z,logAT=1.4,mb5.6					
COLL	Collm	93.11 335	eP	P	20 55 1	



Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations in the 427 MHz band.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations in the 2004 MHz band.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details for stations in the 19d 21h band.

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

19d 22h:11:09.6:0.8, 5.83S, 150.64E, mb4.1/5, mb1 4.5/6, mb1mx4.3/11, ML4.0/1, MS3.5/1, Ms1 3.5/1, ms1mx3.2/15, Error ellipse: s-maj=50.8km s-min=22.9km az=124.0, NEIC 19 22:11:16.7:1.0, 6.01S, 150.63E, h49km, 10km, mb4.7/3, Error ellipse: s-maj=18.0km s-min=8.7km az=123.0, ISC 19 22:11:15.6:1.1, 6.10S, 150.6E, 0.1, h49km, 11km, n19, 0.094/17, mb4.2/6, MS3.3/1, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Kimbe, Rabat, Port Moresby, Charters Tower, Warramunga Arr, etc.

NEIC 19 22:12:51.4:0.4, 43.78N, 105.25W, ML3.4, Error ellipse: s-maj=8.1km s-min=4.9km az=142.0, Suspected Mining explosion, NEIC 65 km [40 miles] SSE of Gillette, IDC 19 22:12:52.6:0.8, 49.09N, 105.78W, mb4.0/3, mb1 3.9/8, mb1mx3.7/19, ML3.6/5, MS4.3/4, Ms1 4.3/4, ms1mx3.7/30, Error ellipse: s-maj=21.3km s-min=7.8km az=143.0, ISC 19 22:12:49.8:0.6, 43.78N, 106.105.28W, 0.8, n32, 0.18/34, mb4.2/3, MS4.4/4, Wyoming

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Black Hills, Boulder Array, Pinedale Array, Idaho Springs, Red Top Meadow, etc.

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

TRN 19 22:14:27.6, 19.30N, 64.28W, MD4.2, RSPR 19 22:14:31.2, 19.27N, 64.52W, h55km, 31km, M4.4, RSPR Fell lightly in San Juan and Virgin Islands, IDC 19 22:14:32.3:2.6, 19.15N, 64.58W, h37km, 23km, mb4.2/21, mb1 4.4/22, mb1mx4.4/24, ML3.9/1, MS4.3/3, Ms1 4.3/3, ms1mx3.8/28, Error ellipse: s-maj=14.5km s-min=11.5km az=51.0, NEIC 19 22:14:33.4:0.6, 19.12N, 64.72W, h46km, 6km, mb4.7/32, ML4.4(RSPR), Error ellipse: s-maj=6.0km s-min=4.0km az=219.0, NEIC Fell (III) on St. Thomas. Also fell at San Juan, Puerto Rico, ISC 19 22:14:31.0:0.6, 19.23N, 0.04, 64.65W, 0.02, h36km, 7km, n115, 0.09127, mb4.6/48, MS4.2/2, 12C-9D, Virgin

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Monte Pirata, Saint Croix, Canovanas, Col San Antoni, Cerro la Pandu, Colonia Sabana, San Juan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Maguayo, Maguayo, Maguayo, Maguayo, Saint Kitts, Isla Deshecho, Boggy Peak, Le Parnasse, Marie-Galante, Barber's Block, Fort de France, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Roger Stewart, Tillmans-White, New Hope, Cow Castle Cre, JSC, GOGA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Black Hills, Boulder Array, Pinedale Array, Idaho Springs, Red Top Meadow, etc.

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

NEIC 19 22:37:38.7, 19.35N, 64.47W, h55km, MD4.1 (RSPR), After RSPR, RSPR 19 22:37:38.7, 19.35N, 64.47W, h55km, 31km, M4.1, IDC 19 22:37:39.3:7.3, 19.07N, 64.47W, h33km, 56km, mb3.8/9, mb1 4.1/10, mb1mx3.9/17, ML3.3/1, Error ellipse: s-maj=32.5km s-min=17.2km az=69.0, ISC 19 22:37:38.7:0.9, 19.25N, 0.06, 64.57W, 0.04, h34km, 11km, n37, 0.080/44, mb4.0/9, 13C-6D, Virgin Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Yonaguni jima, Hateruma jima, Iriomote-jima, Kuro-shima, Ishigaki jima, Tarama, etc.

JMA 19 22:25:09.7:0.3, 23.98N, 122.75E, h61km, 5km, M1.9, TAP 19 22:25:11.3, 23.79N, 122.67E, h27km, 1km, ML2.9, ISC 19 22:25:09.2:3, 23.9N, 0.2, 122.7E, 0.1, h55km, 29km, n6, 0.047/12, Taiwan region

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

NEIC 19 22:37:38.7, 19.35N, 64.47W, h55km, MD4.1 (RSPR), After RSPR, RSPR 19 22:37:38.7, 19.35N, 64.47W, h55km, 31km, M4.1, IDC 19 22:37:39.3:7.3, 19.07N, 64.47W, h33km, 56km, mb3.8/9, mb1 4.1/10, mb1mx3.9/17, ML3.3/1, Error ellipse: s-maj=32.5km s-min=17.2km az=69.0, ISC 19 22:37:38.7:0.9, 19.25N, 0.06, 64.57W, 0.04, h34km, 11km, n37, 0.080/44, mb4.0/9, 13C-6D, Virgin Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Saint Croix, Monte Pirata, Canovanas, Col San Antoni, Cerro la Pandu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Saint Croix, Monte Pirata, Canovanas, Col San Antoni, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like Cerro la Pandu, Colonia Sabana, San Juan, etc.

NEIC 19 22:41:49.4, 19.36N-64.51W, h29km, MD3.5(RSPR), After RSPR, RSPR 19 22:41:49.4, 19.36N-64.51W, h29km, M3.5, 17C-1D, Virgin Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like Saint Croix, Monte Pirota, Canovanas, etc.

NEIC 19 23:01:26.8, 0.6, 16.95S-69.51W, h175km, 9km, Error ellipse: s-maj=20.1km s-min=13.4km az=208.0, IDC 19 23:01:30.9, 2.4, 16.28S-69.08W, h186km, 9km, mb3.3/4, m=1.3/5.4, mb1mx3.3/1.4, Error ellipse: s-maj=87.8km s-min=28.8km az=21.0

ISC 19 23:01:25.6, 0.7, 16.96S-0.07-69.54W, 0.08, h179km, 8km, n8, s1616/11, mb3.63, 1C, Peru-Bolivia border, Time Res

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like La Paz, Arequipa, Limon Verde, etc.

IDC 19 23:25:24.3, 2.0, 1.12S-126.89E, mb3.1/3, mb1 3.4/3, mb1mx3.4/1.1, Error ellipse: s-maj=172.0km s-min=25.9km az=66.0, Southern Molucca Sea

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

BUI 20 00:00:19.8, 23.73S-175.79W, h3km, mb5.5, mb5.1, Ms5.1, Ms2.7, IDC 20 00:00:19.0, 0.8, 24.17S-175.80W, mb4.5/12, mb1 4.8/14, mb1mx4.8/17, ML4.6/2, MS4.5/12, Ms1 4.6/12, ms1mx4.4/19, Error ellipse: s-maj=39.9km s-min=16.9km az=149.0

NEIC 20 00:00:21.5, 0.3, 23.96S-175.98W, h10km, mb5.0/22, MS4.7/1, Error ellipse: s-maj=12.5km s-min=7.5km az=134.0, HRVD 20 00:00:21.5, 0.2, 24.14S-175.32W, h19km, MW5.3/67, Centroid moment Tensor Solution. LP body waves: s50, c87; Mantle waves: s67, c117; Half duration: 1s1 Moment tensor: Scale 1011Nm; Mo=0.79e21; Mo=0.12e21; Mo=0.67e21; Mo=0.13e21; Mo=0.37e21; Mo=0.52e21; Best double couple: Me=98x1017 NPT, 215, 329, 1, 103; NP2, 19, 1, 62, 1, 83; Principal axes: T: 96, Plg72; Azm72; N: 0.5, Plg6; Azm23; P: 1.01, Plg16; Azm11; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

MOS 20 00:00:25.1, 2.0, 23.81S-176.12W, h33km, mb5.1/1, Error ellipse: s-maj=30.0km s-min=25.3km az=158.4, IDC 20 00:00:20.3, 0.3, 24.02S-0.07-175.95W, 0.08, h10km, n120, s1617/8, mb4.8/37, MS4.6/14, 2C, South of Tonga Islands

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like RAR Rarotonga, RAR Rarotonga, RAR Rarotonga, etc.

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

BUI 20 00:10:41.2, 23.32S-175.54W, h6km, mb5.4, mb5.3, Ms5.2, Ms2.0, SYO 20 00:10:42.1, 23.88S-175.96W, h10km, MB5.2, MS4.7, NEIC 20 00:10:42.1, 0.2, 23.88S-175.96W, h10km, MB5.2/27, MS4.7/5, Error ellipse: s-maj=9.3km s-min=6.4km az=138.0, HRVD 20 00:10:42.1, 0.6, 23.92S-175.37W, h24km, 1km, MW5.0/39, Centroid moment Tensor Solution. LP body waves: s12, c14; Mantle waves: s39, 66; Half duration: 0.8 Moment tensor: Scale 1011Nm; Mn=3.84e48; Mu=0.60e26; Mw=3.24e27; Ms=0.35e43; Mo=0.72e12; Mr=1.54e26; Best double couple: K6.395x1016 NPT, 202, 835, 1, 104; NP2, 2, 5, 856, 1, 80; Principal axes: T 4.21, Plg76, Azm244; N: -5, Plg8, Azm10; P: -3.69, Plg11; Azm102; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

IDC 20 00:10:45.8, 0.8, 24.20S-175.88W, h39km, 4km, mb4.5/13, mb1 4.8/15, mb1mx4.8/17, ML4.8/2, MS4.4/5, Ms1 4.4/5, ms1mx4.1/22, Error ellipse: s-maj=36.4km s-min=14.5km az=154.0

MOS 20 00:10:47.0, 0.3, 23.88S-176.42W, h33km, mb5.7/5, Error ellipse: s-maj=19.8km s-min=15.3km az=130.5, IDC 20 00:10:45.2, 0.3, 23.95S-0.07-175.98W, 0.07, h39km, h39km, 7km, pp-P, n216, e1f05/88, mb5.0/40, MS4.7/13, 17C-5D, Tonga Islands region

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







Table with columns: Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like UGLR, PET, SMAR, AVH, RUS, KOK, etc.

Table with columns: Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MIPR, TUMR, PAU, KMNr, etc.

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

Table with columns: Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SVLR, FX1, MAJO, etc.

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

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

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

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

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

Table with columns: Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BS03, BSO4, etc.

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

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

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

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

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

Table with columns: Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AS12, ASAR, etc.

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

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

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

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

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like INK, YKA, CMAR, ULM, LPAZ, ROSC, MKAR, BVAR, FINES, CLL, MALT, BRG, KMBO, UPC, DPC, VYHS, GHA, KHC, KHC, MLR, GERES, ZRST, ASF.

WAR 20 02:42:38.8, 51.50Nk, 16.09E, ML2.5, Mining Induced
PRU 20 02:42:40.1, 51.43N-16.04E
NEIC 20 02:42:41.6, 50.31N-16.01E, h5km, Error ellipse: s-maj=32.5km s-min=10.4km az=225.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KSP, UPC, DPC, PANK, BRG, PRU, CLL, OKC, KHC.

IDC 20 02:51:21.4, 5.40, 26.2N-48.22E, mb3.8/6, mb1 3.8/7, mb1mx3.6/17, ML3.4/1, Error ellipse: s-maj=117.0km s-min=28.9km az=11.0
MOS 20 02:51:24.1, 2.5, 40.59N-49.07E, h20km, mb4.3/1, Error ellipse: s-maj=18.7km s-min=9.3km az=116.6

NEIC 20 02:51:25.6, 1.2, 40.70N-48.41E, h10km, Error ellipse: s-maj=24.4km s-min=11.7km az=169.0
ISC 20 02:51:27.9, 1.8, 40.5N, 0.148, 3E, 0.1, h56km, 11km, m21, 0.658/24, mb3.8/5, 2C-2D, Eastern Caucasus

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like AKT, KSMR, DRN, KMKR, GNI, TIZ, KIV, BVAR, JORF, FINES, MKAR, HAF, NOA, ARCES, YKA.

KRSC 20 03:00:02.3, 1.1, 52.00N-153.65E, h615km, 9km, ML4.2
NEIC 20 03:00:07.9, 0.4, 52.72N-152.65E, h516km, 5km, mb4.2/8, Error ellipse: s-maj=7.8km s-min=5.2km az=146.0
MOS 20 03:00:07.1, 0.8, 52.73N-152.63E, h525km, mb4.2/3, Error ellipse: s-maj=16.6km s-min=10.2km az=73.3

IDC 20 03:00:08.7, 2.0, 52.75N-152.61E, h525km, 25km, mb3.2/17, mb1 3.4/19, mb1mx3.4/23, Error ellipse: s-maj=12.8km s-min=9.9km az=150.0
ISC 20 03:00:06.9, 0.3, 52.70N, 0.07, 152.66E, 0.09, h515km, 4km, n86, 119/1104, mb3.6/21, 1C, Northwest of Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MIPR, APC, PAU, SKR, GRL, GRL, GML, GNL, RUS.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like RUS, PET, KOK, AVH, SMAR, UJGLR, SDR, NLC, KMY, KIL, SPN, SPN, SPN, ESO, TUM, KOZ, KMNR, SDR, KPT, MKZ, MKZ, MKZ, LGNR, ZLN, CIRR, KLY, SVLR, KBTR, MA2, YSS, YSS.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like YSS, ASAJ, ASAJ, FX1, FX1, BILL, BILL, MAJO, MAJO, MAJO, MAT, MAT, MAT, ULN, ULN, ULN, MCK, MCK, MCK, ILAR, INK, INK, INK, KURK, MKAR, YKA, YKA, CHZK, BVAR, BRVK, ARCES, CMAR, AB31, MCMT, FINES, HWAT, PDAR, DAU, NB2, NOA, HFS, SRS, SCHO, CLL, GERES, WRA, TXAR, DAVOS, ASAR, CPUP.

NEIC 20 03:12:03.0, 4.9, 50.29N, 18.96E, h5km, MG2.4 (WAR), Error ellipse: s-maj=10.8km s-min=8.5km az=125.0
WAR 20 03:12:04.0, 50.25N, 18.85E, h1km, Location given by Central Institute of Mining, origin time based upon RAC
IDC 20 03:12:05.7, 2.3, 50.18N, 18.76E, mb1 3.3/3, mb1mx3.2/16, ML2.7/3, Error ellipse: s-maj=40.6km s-min=9.0km az=23.0

PRU 20 03:12:06.5, 50.22N, 18.67E
ISC 20 03:12:02.0, 0.6, 50.39N, 0.04, 18.81E, 0.04, h6km, 4km, n27, 115/444, 1C, Poland

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like RAC, RAC, RAC, OJCOW, OKC, MORC, LIKS, LIKS, NIE, NIE, NIE, NIE, DPC, KSP, KSP, KSP, KSP, UPC, VYHS, VYHS, VYHS, VYHS, PSZ, PSZ, PRU, BRG, BRG, BRG, BRG, GERES, GERES, GERES, GERES, CLL, FINES, FINES, FINES, ARCES, ARCES, ARCES, SURF, SURF, PZZ, MBDF, RRL, RRL, RRL, STV, STV, STV, STV, BHB, ENR, TOUF, TOUF, AURF, RSP, SBF, SBF, ROB, MONE, ORIF, ORIF, NEGI, NEGI, NEGI, NEGI, IMI, IMI, RORO, RORO, LRD, LRD, LRD, LPL, LPL, LPL, FIN, SMRF, SMRF, LMR, LMR, VIVF, VIVF, WAU, WAU, PMG, KAKA, WRAB, WRAB, WRAB, WRA, ASAR, FITZ, FITZ, MKAR, ILAR.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like RAC, RAC, RAC, OJCOW, OKC, MORC, LIKS, LIKS, NIE, NIE, NIE, NIE, DPC, KSP, KSP, KSP, KSP, UPC, VYHS, VYHS, VYHS, VYHS, PSZ, PSZ, PRU, BRG, BRG, BRG, BRG, GERES, GERES, GERES, GERES, CLL, FINES, FINES, ARCES, ARCES, ARCES, SURF, SURF, PZZ, MBDF, RRL, RRL, RRL, STV, STV, STV, STV, BHB, ENR, TOUF, TOUF, AURF, RSP, SBF, SBF, ROB, MONE, ORIF, ORIF, NEGI, NEGI, NEGI, NEGI, IMI, IMI, RORO, RORO, LRD, LRD, LRD, LPL, LPL, LPL, FIN, SMRF, SMRF, LMR, LMR, VIVF, VIVF, WAU, WAU, PMG, KAKA, WRAB, WRAB, WRAB, WRA, ASAR, FITZ, FITZ, MKAR, ILAR.

NEIC 20 03:13:23.3, 44.51N-6.85E, h3km, ML2.2 (GEN), ML1.9 (STR), ML1.7 (LDG), After Gen.
LDG 20 03:13:23.3, 0.1, 44.51N-6.88E, h2km, Md1.9/2, M11.7/6, Error ellipse: s-maj=2.5km s-min=1.2km az=84.0
STR 20 03:13:23.3, 1.0, 44.49N-6.76E, h5km, 1km, M11.9, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0
ISC 20 03:13:22.6, 0.3, 44.50N, 0.02, 6.83E, 0.03, h10km, 3km, n26, 0.950/47, 1C, France

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SURF, SURF, PZZ, MBDF, RRL, RRL, RRL, STV, STV, STV, STV, BHB, ENR, TOUF, TOUF, AURF, RSP, SBF, SBF, ROB, MONE, ORIF, ORIF, NEGI, NEGI, NEGI, NEGI, IMI, IMI, RORO, RORO, LRD, LRD, LRD, LPL, LPL, LPL, FIN, SMRF, SMRF, LMR, LMR, VIVF, VIVF, WAU, WAU, PMG, KAKA, WRAB, WRAB, WRAB, WRA, ASAR, FITZ, FITZ, MKAR, ILAR.

IDC 20 03:16:57.6, 6.2, 5.61S, 148.61E, h127km, 59km, mb3.4/3, mb1 3.8/4, mb1mx3.7/10, Error ellipse: s-maj=66.8km s-min=16.1km az=124.0
NEIC 20 03:17:01.6, 1.4, 5.43S, 148.09E, h153km, 13km, Error ellipse: s-maj=30.6km s-min=15.2km az=126.0
ISC 20 03:17:01.3, 1.9, 5.45S, 0.2, 148.0E, 0.2, h165km, 14km, n10, 0.64/12, mb3.7/4, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like WAU, WAU, PMG, KAKA, WRAB, WRAB, WRAB, WRA, ASAR, FITZ, FITZ, MKAR, ILAR.







EMUR	La Murta	119.29 309	P	PKPdf	08 51 47.0 +5.5
ETOB	Tobarra	119.33 310	P	PKPdf	08 51 43.1 +1.5
WALA	Waterton Lakes	119.33 37	ePKPdf	PKPdf	08 51 41.9 +0.6
NVAR	Minna Array Bay	119.78 50	PKP	PKPdf	08 51 44.0 +1.5
comp-Z,1.1nm,0.7s,baz=301,slow=0.6,SNR=87					
PP					08 51 08.9 -3.8
NVAR	PKPbc				09 01 54.8
comp-Z,3.4nm,0.9s,baz=281,slow=6.0,SNR=7.3					
MTM	Tungsten Hills	120.19 51	ePKPdf	PKPdf	08 51 44.1 +1.4
CHUM	Chamberlain Mo	120.59 40	ePKPdf	PKPdf	08 51 43.9 0.0
TPH	Tonopah	120.69 50	ePKPdf	PKPdf	08 51 45.5 +1.1
EQES	Quesada	120.70 309	P	PKPdf	08 51 45.5 +1.1
EBER	Berja	120.79 308	P	PKPdf	08 51 46.3 +1.7
ESDC	Sonsecsa Array	120.87 312	P	PKPdf	08 51 46.3 +2.3
comp-Z,4.7nm,0.7s,baz=30,slow=2.7,SNR=16					
ESDC	PKPbc				09 01 51.2
comp-Z,1.7nm,0.8s,baz=265,slow=2.8,SNR=6.5					
ESDC	Sonsecsa Array	120.87 312	P	PKPdf	08 51 45.5 +0.9
HLID	Hayley	121.07 44	ePKPdf	PKPdf	08 51 46.4 +1.5
HRV	Holter Researc	121.57 39	ePKPdf	PKPdf	08 51 45.8 +0.1
MCMT	McKenzie Canyo	121.66 42	ePKP	PKPdf	08 51 47.2 +1.2
ECDA	Adamuz	121.75 310	P	PKPdf	08 51 48.2 +1.9
BOZ	Bozeman (W)	122.13 40	ePKPdf	PKPdf	08 51 47.8 +0.9
PFO	Phynon Flat Ob	122.37 55	ePKPdf	PKPdf	08 51 48.8 +1.1
HWU	Hansel Valley	122.83 45	ePKPdf	PKPdf	08 51 49.1 0.0
BGR	Big Grassy Mtn	122.94 46	ePKPdf	PKPdf	08 51 48.9 +0.4
YMU	Madison River	122.96 41	ePKPdf	PKPdf	08 51 50.1 +1.6
ESPR	Espera	123.09 309	P	PKPdf	08 51 50.9 +1.9
NEN	Nelson	123.17 53	ePKPdf	PKPdf	08 51 50.5 +1.4
LKWY	Lake	123.37 41	ePKPdf	PKPdf	08 51 51.8 +2.5
MLNA	Milna Concepcio	123.45 310	ePKPdf	PKPdf	08 51 51.0 +1.0
REDW	Red Top Meadow	123.55 43	ePKPdf	PKPdf	08 51 50.8 +1.1
KSWY	Kelly School	123.60 42	ePKPdf	PKPdf	08 51 51.1 +1.3
HWUT	Hardware Ranch	123.73 45	ePKPdf	PKPdf	08 51 50.9 +0.8
CTU	Camp Tracy	123.93 46	ePKPdf	PKPdf	08 51 51.1 +0.6
Nourh	Nourh Min	124.02 49	ePKPdf	PKPdf	08 51 51.7 +1.1
TCUT	Toone Canyon	124.02 49	ePKPdf	PKPdf	08 51 51.7 +1.1
EGRO	El Granado	124.14 310	P	PKPdf	08 51 52.4 +1.4
JLU	Jordanelle	124.18 46	ePKPdf	PKPdf	08 51 52.0 +1.0
EVO	Evora	124.22 311	ePKIKP	PKPdf	08 51 52.9 +1.8
comp-Z,60nm,1.2s					
MPU	Maple Canyon	124.25 47	ePKPdf	PKPdf	08 51 51.8 +0.7
MVU	Marysval	124.34 49	ePKPdf	PKPdf	08 51 53.1 +1.7
MSU	Marysval	124.36 48	ePKPdf	PKPdf	08 51 53.1 +1.7
DAU	Daniels Canyon	124.39 46	ePKPdf	PKPdf	08 51 52.1 +0.7
PDR	Pinedale Array	124.66 43	PKP	PKPdf	08 51 52.1 +0.3
comp-Z,6.8nm,0.9s,baz=129,slow=0.9,SNR=49					
PDAR	PKPbc				09 01 35.3
comp-Z,2.2nm,0.6s,baz=112,slow=4.9,SNR=21					
KIC	Kosan Boka	125.00 272	ePKIKP	PKPdf	08 51 54.1 +0.8
comp-Z,1.17nm,0.8s					
LIC	Lamto	125.27 272	ePKIKP	PKPdf	08 51 54.5 +0.7
comp-Z,1.01nm,0.8s					
TIC	Toumudi	125.30 272	ePKIKP	PKPdf	08 51 54.7 +0.8
comp-Z,1.93nm,0.8s					
SRU	San Rafael	125.38 47	ePKPdf	PKPdf	08 51 54.0 +0.6
WUAZ	Wupaki	125.92 52	ePKPdf	PKPdf	08 51 55.9 +1.4
TUC	Tucson	127.31 55	ePKPdf	PKPdf	08 51 58.0 +0.7
ULM	Lac du Bonnet	128.52 29	PKP	PKPdf	08 51 59.3 +0.2
comp-Z,1.6nm,0.8s,baz=321,slow=2.7,SNR=22					
ULM	SKPbc				08 54 59.6
comp-Z,2.9nm,0.7s,baz=319,slow=4.7,SNR=3.3					
ISCO	Idaho Springs	128.60 45	ePKPdf	PKPdf	08 52 00.9 +1.3
SDCO	Great Sand Dun	129.54 47	ePKPdf	PKPdf	08 52 02.4 +1.0
LZD	Ladron	129.57 52	ePKPdf	PKPdf	08 52 02.8 +1.2
LEIN	Lemitar	129.72 47	ePKPdf	PKPdf	08 52 02.9 +1.2
ANMO	Albuquerque	129.90 51	ePKPdf	PKPdf	08 52 03.0 +0.8
BNM	Barren Site	130.05 52	ePKPdf	PKPdf	08 52 04.2 +1.7
PNC	Paso Flores	130.55 170	ePKPdf	PKPdf	08 52 05.2 +2.0
GDLD	Guadalupe Moun	132.51 53	ePKPdf	PKPdf	08 52 08.6 +1.4
CPRX	Cap Rock	132.61 52	ePKPdf	PKPdf	08 52 08.4 +1.0
SCHO	Schefferville	132.62 52	ePKPdf	PKPdf	08 51 57.5
comp-Z,2.0nm,0.7s,baz=340,slow=4.8,SNR=7.0					
SCHO	PKP				08 52 08.6 +1.1
comp-Z,2.24nm,0.8s,baz=32,slow=2.8,SNR=39					
SCHO	SKP				08 55 15.8
comp-Z,7.7nm,0.8s,baz=345,slow=4.5,SNR=7.7					
SCHO	Schefferville	133.02 5	PKP	PKPdf	08 51 57.5 -1.0
SCHO	PKPbc				08 52 08.5 +1.0
TXAR	Lajitas Array	134.03 57	PKIKP	PKPdf	08 52 00.5
comp-Z,1.8nm,0.8s,baz=252,slow=4.0,SNR=18					
TXAR	PKP				08 52 12.1 +2.0
comp-Z,1.3nm,0.9s,baz=246,slow=2.6,SNR=9.4					
TXAR	SKP				08 55 20.1
TXAR	Lajitas Array	134.03 57	PKP	PKPdf	08 52 00.5 -1.0
TXAR	Lajitas Array	208.04 57	PKP	PKPdf	08 52 12.1 +2.0
TXAR	SKP				08 55 20.1
TRQA	Tornquist	134.13 178	ePKPdf	PKPdf	08 52 10.9 +0.9
KSU1	Kansas State U	135.01 41	ePKPdf	PKPdf	08 52 12.2 +0.7
WMOK	Wichita Mouna	135.74 47	ePKP	PKPdf	08 52 12.9 +1.1
JCT	Junction City	136.77 53	ePKP	PKPdf	08 52 04.9 -1.0
MIAR	Mount Ida	139.54 44	ePKP	PKPdf	08 52 13.2 -6.9
MIAR	PKPbc				08 52 21.7 +1.7
FVM	French Village	139.56 38	ePKP	PKPdf	08 52 12.7 -7.3
SADW	Sadowa	139.87 21	PKIKP	PKPdf	08 52 14.5
comp-Z,4.2nm,0.6s,baz=335,slow=8.2,SNR=4.9					
SADO	PKP				08 52 20.2 -0.1
comp-Z,1.8nm,0.7s,baz=309,slow=3.6,SNR=11					
UALR	University of	140.26 43	ePKP	PKPdf	08 52 15.9 -5.4
SILC	Southern Ilin	140.46 37	ePKP	PKPdf	08 52 16.3 -5.3
BLO	Bloomington	141.00 33	ePKP	PKPdf	08 52 23.0 +1.1
GNAR	Gosnell	141.08 40	ePKP	PKPdf	08 52 23.3 +0.5
USIN	University of	141.21 36	ePKP	PKPdf	08 52 17.8 -5.1
GLAT	Glass	141.35 39	PKP	PKPdf	08 52 19.4 -3.8
WCI	Wyandotte Cave	141.80 34	ePKP	PKPdf	08 52 19.0 -4.9
ACSO	Altum Creek Sta	143.91 26	ePKP	PKPdf	08 52 22.4 -6.6
WWT	Waverly	142.34 38	ePKP	PKPdf	08 52 20.4 -4.5
OXF	Oxford	142.37 41	ePKP	PKPdf	08 52 20.5 -4.5
PLAL	Pickwick Lake	142.93 40	ePKP	PKPdf	08 52 21.7 -4.2
BINY	Binghamton	143.22 20	ePKP	PKPdf	08 52 23.4 -2.8
SSPA	Standing Stone	143.90 23	ePKP	PKPdf	08 52 25.9 -1.6
MCOW	Mont Chateau	143.91 26	ePKP	PKPdf	08 52 26.1 -1.9
SWET	Seawane	144.10 37	ePKP	PKPdf	08 52 25.7 -2.3
HRV	Harvard-Oak R	144.23 14	ePKP	PKPdf	08 52 27.4 -0.6
CPCT	Cooper Cave	144.77 36	ePKP	PKPdf	08 52 28.4 -0.7
LUPA	Lehigh University	144.85 20	ePKP	PKPdf	08 52 28.9 -0.2
LRAL	Lakeview Retre	144.86 41	ePKP	PKPdf	08 52 28.5 -0.9
PAL	Palisades	145.96 18	ePKP	PKPdf	08 52 30.5 +0.5
MVL	Millersville	145.03 22	ePKP	PKPdf	08 52 29.4 -0.1
BRNJ	Basking Ridge	145.05 19	ePKP	PKPdf	08 52 29.9 +0.5
CPNY	Central Park	145.14 18	ePKP	PKPdf	08 52 30.3 +0.8
FWW	Forest Hill	145.15 29	ePKP	PKPdf	08 52 29.7 0.0
CAM4	Nova Friburgo	145.22 209	eP	PKPdf	08 52 33.1 +2.9
CAM4					08 52 37.6
CAM4					08 53 43.8
CAM4					08 53 33.1 +2.9
CAM4					08 52 37.6
CAM4					08 52 37.6
CAM4					08 53 43.8
CAM3	Prospectdale	145.40 30	ePKP	PKPdf	08 52 30.6 +0.3
ELN	Guarapari	145.50 214	eP	PKPdf	08 52 33.5 +2.7
CAM3					08 52 34.7
CAM3					08 52 50.5
CAM3					08 52 37.1
CAM3					08 53 34.0
CAM3	Guarapari	145.50 214	eP	PKPdf	08 52 33.5 +2.7
CAM3					08 52 34.7
CAM3					08 52 50.5
CAM3					08 52 37.1
CAM3					08 53 34.0
BLA	Blacksburg	145.63 29	ePKPdf	PKPdf	08 52 31.7 +1.2
CPUP	Villa Florida	145.74 185	PKPbc	PKPbc	08 52 33.2 +1.1
comp-Z,1.8nm,0.8s,baz=164,slow=1.6,SNR=45					
CPUP	SKPbc				08 55 50.1
comp-Z,5.6nm,0.8s,baz=262,slow=1.5,SNR=3.8					
CPUP	Villa Florida	145.74 185	ePKPdf	PKPdf	08 52 32.5 +1.5
CBIN	Corbin	146.18 25	ePKPdf	PKPdf	08 52 32.4 +0.9
GOGA	Godfrey	146.82 37	ePKPdf	PKPdf	08 52 33.9 +1.2
JENK	Jenkinsville	147.46 45	ePKP	PKPdf	08 52 34.5 +0.8
LVC	Limon Verde	148.37 164	ePKP	PKPdf	08 52 38.2 +2.9
COW	Cow Castle Cre	148.44 34	ePKP	PKPdf	08 52 36.6 +1.4
PAYG	Puerto Ayora	148.77 105	ePKP	PKPdf	08 52 38.3 +1.9
NHSC	New Hope	148.93 34	ePKPbc	PKPdf	08 52 41.2 +5.1
TEIG	Tepech	150.24 63	PKPbc	PKPdf	08 52 44.8 +6.3
comp-Z,1.10nm,1.0s,baz=321,slow=1.9,SNR=7					
TEIG	Tepech	150.24 63	ePKPbc	PKPdf	08 52 44.6 +6.1
BDFB	Brasilia	153.57 207	PKP	PKPdf	08 52 45.7 +2.3
comp-Z,2.33nm,0.8s,baz=144,slow=1.2,SNR=29					
BDFB	PKPbc				08 52 53.7 +1.0

BDFB	comp-Z,6.7nm,0.7s,baz=133,slow=4.2,SNR=6.4				
NNA	PKPbc				08 53 09.1 +1.9
NNA	Nana	154.12 160	ePKP	PKPdf	08 52 46.5 +2.3
NNA	PKPbc				08 52 54.2 +1.0
LPAZ	La Paz	154.59 162	PKP	PKPdf	08 52 48.3 +3.6
comp-Z,1.1nm,0.9s,baz=134,slow=1.0,SNR=35					
LPAZ	PKPbc				08 52 56.0 +1.1
comp-Z,7.7nm,0.8s,baz=153,slow=3.4,SNR=16					
LPAZ	PKPbc				08 53 13.1 +1.6
LPAZ	La Paz	154.59 162	ePKP	PKPdf	08 52 47.8 +3.1
JTS	JuntasAbangare	155.45 83	PKP	PKPdf	08 52 47.7 +1.7
comp-Z,4.4nm,0.8s,baz=312,slow=7.7,SNR=4.7					
ROSC	El Rosal	165.60 102	PKP	PKPdf	08 52 59.9 +2.8
comp-Z,9.5nm,0.5s,baz=195,slow=20.0,SNR=7.3					
ROSC	PKPbc				08 53 60.0 +0.8
comp-Z,8.4nm,0.5s,baz=101,slow=23,SNR=3.8					
SJG	San Juan	166.42 29	PKP	PKPdf	08 53 00.1 +1.3
comp-Z,1.4nm,0.7s,baz=311,slow=9.3,SNR=3.7					

MOS 20 08:42:10.3: 1.5, 43.08N:47.24E, h4km, mb3.5/1. Error ellipse: s-maj=32.4km s-min=19.3km az=58.0  
 ISC 20 08:42:09.0: 1.4, 43.2N:0.1:47.41E:0.10, h4km, n5, e0819, Eastern Caucasus

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
MAK	Makhachkala	0.23 162	eP	Pg	08 42 14.0 0.0	
BUJR	Bujnaksak	0.42 212	iP	Pg	08 42 17.7 -0.1	
BUJR				iS	08 42 23.2 -0.2	
DUBC	Dubki	0.46 249	eP	Pg	08 42 18.5 +0.1	
DUBC				iS	08 42 24.5 0.0	
KRNR	Karanay	0.51 226	eP	Pg	08 42 18.8 -0.8	
KRNR				iS	08 42 25.0 -1.4	
UNCR	Uncukul	0.65 224	iP	Pg	08 42 23.2 +0.8	
UNCR				iS	08 42 32.7 +1.7	

comp-Z,17nm,0.2s

HEL 20 08:50:04.8: 0.6, 61.60N:34.75E, ML2.2, ML2.1(NAO), Explosion  
 NAO 20 08:50:07.6: 4.9, 61.81N:34.36E, ML2.1  
 ISC 20 08:50:05.1: 1.5, 61.84N:0.06:34.1E:0.1, n11, σ189/22, Baltic States - Belarus - Northwestern Russia

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
JOF	Joensuu	1.69 311	eP	Pg	08 50 42.8 +3.9	
JOF				eS	08 51 08.6 +7.2	
KJN	Kajaani	3.69 311	eP	Pg	08 51 08.7 +4.1	
KJN				MSG	08 52 10.2 +2.3	
KJN						







Table with columns for station call letters, name, frequency, and other details. Includes stations like KPL Plockton, KSB Sheil Bridge, WAR Warsaw, etc.

Table with columns for station call letters, name, frequency, and other details. Includes stations like HYB Hyderabad, HYB Hyderabad, HYB Hyderabad, etc.

Table with columns for station call letters, name, frequency, and other details. Includes stations like MCWV Mont Chateau, CUD Cuddappah, HAE Alders End, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like LBG Lerchenberg, BUCH Bad Urach, and many others.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like BUA Buia, MPRI Monte Prat, and many others.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like UPM Unac-Piva, KKB Krapnik, and many others.

20d 9h

Table with columns for station code, name, coordinates, and status. Includes stations like MONT TOURNERAI, CALVIAC, NEGRI, etc.

2004 MAR

Table with columns for station code, name, coordinates, and status. Includes stations like ZFR1, KZIT, PRNI, etc.

442

Table with columns for station code, name, coordinates, and status. Includes stations like KLBR, MUNDARING, RKT, etc.



20d 12h

2004 MAR

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

NEIC 20 10:03:51.7, 5.1, 1.7, 78S, 178.58W, h543km, 59km, mb4.2/4, Error ellipse: s-maj=28.8km s-min=24.1km az=145.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res h m s, ISC. Includes URZ Urewera, WRA Warramunga Arr, ASAR Alice Springs, VNA3 VNA3, VNA2 VNA2, VNA1 VNA1, etc.

NEIC 20 10:29:38.4, 4.7, 19.21S, 177.46W, h527km, 52km, Error ellipse: s-maj=28.0km s-min=22.9km az=66.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res h m s, ISC. Includes URZ Urewera, CNZO South Karori, CTA Charters Tower, WRAB Tennant Creek, WRA Warramunga Arr, etc.

IDC 20 10:31:56.2, 5.0, 32.36N, 171.53E, mb3.6/4, mb1 3.8/4, mb1mx3.6/16, Error ellipse: s-maj=103.0km s-min=95.5km az=48.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res h m s, ISC. Includes BHK Bhakra, AJM Ajmer, SDNR Sundarnagar, SDNR 444nm, 0.2s, NDI New Delhi, etc.

IDC 20 10:33:18.0, 1.1, 23.97S, 175.98W, h42km, 6km, mb3.9/8, mb1 4.3/10, mb2mx4.2/14, ML4.7/2, MS4.1/8, MS1.4/2, ms1mx3.9/20, Error ellipse: s-maj=56.5km s-min=18.3km az=156.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res h m s, ISC. Includes RAR Rarotonga, RAR comp=Z, 530nm, 19.2s, bazz=256, slow=32, RAR Rarotonga, RAR RAR, URZ Urewera.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res h m s, ISC. Includes CTA Charters Tower, CTAO Charters Tower, ASAR Alice Springs, WRA Warramunga Arr, VNA3 VNA3, VNA2 VNA2, VNA1 VNA1, etc.

IDC 20 11:20:20.6, 3.4, 23.69S, 175.90W, mb3.7/4, mb1 4.1/5, mb1mx3.9/21, ML4.5/1, MS3.9/2, Ms1 3.9/2, ms1mx3.2/21, Error ellipse: s-maj=299.0km s-min=31.2km az=164.0, Tonga Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res h m s, ISC. Includes RAR Rarotonga, CTA Charters Tower, ASAR Alice Springs, WRA Warramunga Arr, NEW New, etc.

ZUR 20 11:39:14.3, 47.20N, 10.75E, h10km, ML2.0/4, NEIC 20 11:39:15.3, 0.3, 47.21N, 10.82E, h5km, ML2.6(SZGRF), ML2.6(LDG), ML2.5(FUR), ML2.4(VIE), ML2.0(ZUR), Error ellipse: s-maj=5.9km s-min=3.3km az=171.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res h m s, ISC. Includes MOTA Moosalm, SOTA Sankt Quirin, OGA Oberburgl, WATA Walderalm, DAVA Darnuel, DAVA Darnuel, DAVA Darnuel, DAVA Darnuel, DAVA Darnuel, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res h m s, ISC. Includes BUCH Bad Urach, BUCH Koelnbreinsp, KBA Koelnbreinsp, KBA Koelnbreinsp, LBG Lerchenberg, LBG Lerchenberg, BFO Black Forest, BFO Black Forest, BFO Black Forest, etc.

IDC 20 11:43:54.0, 0.8, 7.06N, 126.88E, mb4.2/6, mb1 4.4/6, mb1mx4.2/14, Error ellipse: s-maj=58.8km s-min=19.8km az=78.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res h m s, ISC. Includes BIPH Bislig, BIPH Bislig, KCP Kidapawan, KCP Kidapawan, BUTP Butuan, BUTP Butuan, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, etc.

GUC 20 11:57:52.5, 0.9, 26.48S, 171.33W, h38km, 14km, ML4.1, NEIC 20 11:57:52.5, 26.48S, 171.33W, h38km, After GUC, IDC 20 11:57:52.5, 26.48S, 171.33W, mb3.6/3, mb1 3.8/4, s-min=36.5km az=11.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res h m s, ISC. Includes CPCH Copiapo, CPCH Copiapo, VACH Valparaiso, VACH Valparaiso, CPN Cerro Paranal, CPN Cerro Paranal, TLL Tololo Astrono, TLL Tololo Astrono, CMCH Combarbala, CMCH Combarbala, LPAZ La Paz, LPAZ La Paz, BDFB Brasilia, BDFB Brasilia, TXAR Lajitas Arr, TXAR Lajitas Arr, NVAR Mina Array Bea, NVAR Mina Array Bea, ZAL Zalesovo, ZAL Zalesovo, MKAR Makanchi Arr, MKAR Makanchi Arr, etc.







Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AKS Akhisar, AKMC Akamas, ALFC Alegra, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 20 16:30:41.5, NEIC 20 16:51:22.6, LPAZ La Paz, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PDAR Pinedale Array, CMAR Chiang Mai Arr, SPITS Spitsbergen Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like NORAR Subarra, NOA NORAR Array B, SSS Saint Saulege, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like INGI Ingas, INGI Rata, KELI Kelakatan, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ASAR Alice Springs, MKAR Makanchi Array, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like XRY Khristi, KRIS Kristallenia, KRIS Napolis, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PYN Poneloya, LEON Leon, CRIN San Cristobal, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like LCBS La Ceiba, LFRS El Faro, WILN Americas 2, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like JCR Jicaral, FOR Fortuna, CGAZ Cerro Gallo 2, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TXAR Lajitas Array, TXAR Lajitas Array B, MIAR Mount Ida, etc.

MOS 20 19:20:33.4, 1.23, 71N:94.87E, h73km, mb5.1/11, Error ellipse: s-maj=14.8km s-min=6.3km az=117.7, LDG 20 19:20:33.9, 1.8, 23.70N:94.70E, h79km, mb4.7/31, Error ellipse: s-maj=4.6km s-min=9.5km az=146.0, NEIC 20 19:20:35.2, 0.2, 23.59N:94.79E, mb4.8/72, Error ellipse: s-maj=6.0km s-min=4.3km az=221.0, BJI 20 19:20:36.5, 2.3, 25.9N:94.91E, h120km, mb4.9/23, mb1 4.5/24, mb1mx4.5/25, MS3.5/1, Mst 3.5/1, ms1mx2.9/25, Error ellipse: s-maj=15.9km s-min=10.0km az=49.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like IMP Imphal, SHL Shillong, SHL Shillong, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KOLN Koldanda, DANN Dangising, VIS Vishakhapatnam, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BHPH Bhopal, DDI Dehra Dun, DDI DDI, etc.

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

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

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

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

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

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

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

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

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

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

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

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

Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like KWP, KMBO, KMBL, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like EPON, ECAL, LBTB, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like MBDF, LOR, VJVF, etc.

ADC 20 19:39:55.5-1.8, 31.31N-139.16E, h186km, 19km, mb3.5/11, mb1 3.7/15, mb1mx3.6/22, Error ellipse: s-maj=21.3km s-min=11.5km az=85.0

JMA 20 19:39:57.3-0.2, 31.24N-139.54E, h263km, 4km, M4.2, NEIC 20 19:40:00.6-1.6, 31.32N-139.26E, h236km, 12km, mb4.4/3, Error ellipse: s-maj=21.7km s-min=12.9km az=126.0

MOS 20 19:40:00.2-0.6, 31.43N-139.99E, h244km, mb4.5/1, Error ellipse: s-maj=22.6km s-min=11.4km az=100.7

ISC 20 19:39:58.2-0.5, 31.28N-0.4-139.51E, 0.06, h238km, 4km, n46, c18/18/59, mb3.6/11, Southeast of Honshu

MEX 20 19:21:34.0-4.5, 17.40N-94.65W, h165km, 8km, MD3.9, Chapais

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like CMIG, EMVG, OXX.

ADC 20 19:39:31.6-5.5, 20.06N-95.73E, h303km, 38km, mb4.0/10, mb1 4.2/11, mb1mx4.1/15, ML4.0/1, Error ellipse: s-maj=57.1km s-min=14.9km az=55.0

NEIC 20 19:39:33.8-1.6, 20.17N-96.00E, h40km, 16km, mb4.4/12, Error ellipse: s-maj=27.0km s-min=11.9km az=52.0

BUI 20 19:39:36.2, 20.15N-95.48E, h66km, mb4.5, mb4.2, Ms4.3

ISC 20 19:39:36.1-0.9, 20.39N-0.08-95.45E-0.07, h50km, 9km, n57, c150/65, mb4.2/21, 1D, Myanmar

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JHJZ, JHJ, JHJ.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JKO, TK01, TK02, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JIM2, BSO1, RSO1, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JMW, JOD, JYD, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JMW, JOD, JYD, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JMW, JOD, JYD, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JMW, JOD, JYD, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JMW, JOD, JYD, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JMW, JOD, JYD, etc.

NEIC 20 19:40:44.4, 44.41N-7.27E, h11km, ML2.8(GEN), ML2.4(LDG), After GEN, LDG 20 19:40:44.2-0.1, 44.42N-7.31E, h2km, Md2.4/2, MI2.4/14, Error ellipse: s-maj=2.3km s-min=1.0km az=71.0

STR 20 19:40:44.8-0.4, 44.40N-7.28E, h5km, 1km, MI2.3, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

ISC 20 19:40:43.9-0.2, 44.42N-0.07-28E-0.03, h21km, 3km, n37, c193/71, Northern Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PZZ, STV2, STV2, etc.







Table with columns: CICH, SFDO, CIPreses, San Fernando, 2.12 151, 2.21 166, Pn, 23 19 55.2, +0.8, 23 19 58.5, +2.9

IDC 20 23:23:26.5,8.3,30.51Sx175.74W,mb3.5/2,mb1 3.7/2, mb1mx3.7/11, Error ellipse: s-maj=366.0km s-min=56.2km az=155.0, Kermaed Islands region

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

HEL 21 00:38:20.9,0.5,67.86N,20.14E,ML1.7,ML1.6(BER), Explosion BER 21 00:38:21.1,1.1,67.86N,20.04E,ML1.6, Suspected explosion

ISC 21 00:38:16.6,0.5,67.71N,0.0,03:19.81E,0.08,n10,e099/16, Sweden

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

NNC 21 01:20:52.1,5.5,37.70N,71.34E,h179km,52km,mpv3.7, Error ellipse: s-maj=58.6km s-min=22.0km az=13.0

ISC 21 01:20:49.0,3.4,37.5N,0.2,71.4E,0.2,h157km,34km,n13, +0.22,15,3C-1D, Afghanistan-Tajikistan border region

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

STR 21 01:32:09.6,0.1,48.29N,7.74E,h8km,1km,ML2.3, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

BGR 21 01:32:09.9,0.3,48.32N,7.78E,h5km,ML2.4/3, Error ellipse: s-maj=3.3km s-min=2.2km az=63.0

NEIC 21 01:32:10.1,1.48,29N,7.73E,h8km,ML2.6(LDG), ML2.5(VIE), ML2.3(STR), After LDG

LEDBW 21 01:32:10.2,0.2,48.28N,7.75E,h6km,5km,ML2.4, Error ellipse: s-maj=2.0km s-min=2.0km az=4.0

ZUR 21 01:32:10.6,48.24N,7.75E,h10km,ML2.1/7, LDG 21 01:32:10.1,0.1,48.29N,7.73E,h8km,ML2.7/2,ML2.6/14, Error ellipse: s-maj=1.2km s-min=0.9km az=163.0

ISC 21 01:32:08.2,0.4,48.30N,0.02,7.75E,0.02,h14km,3km,n73,r1521/130,11C-9D,France

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

Table with columns: SULZ, Sulz-Chaischa, 0.81 162, ePg, Pg, 01 32 25.3, +0.7

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

ISC 21 02:02:38.7,5.3,2.4N,0.2,127.9E,0.3,h201km,51km,n13, r1516/13,mb4.3/8,Northern Molucca Sea

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

DJA 21 02:11:15.0,0.9,8.50S,-116.20E,h110km,6km,MD4.5/2, ML3.9/2,6C-2D, Error ellipse: s-maj=30.3km s-min=14.7km az=174.0,Sumbawa region

ISC 21 02:15:16.3,3.3,12.42S,167.22E,mb4.3/4,mb1 4.5/4, mb1mx4.1/11, Error ellipse: s-maj=137.0km s-min=50.4km az=164.0

NEIC 21 02:15:17.0,0.7,12.60S,167.27E,h10km,mb4.4/1, Error ellipse: s-maj=39.9km s-min=26.8km az=91.0

ISC 21 02:15:15.6,1.0,12.7S,0.2,167.3E,0.3,h10km,n11, +0.68/6,mb4.2/5,Santa Cruz Islands

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

DJA 21 02:33:19.0,0.9,9.69S,-115.25E,h3km,4km,MD4.5/1, ML3.6/3,5C-3D, Error ellipse: s-maj=15.9km s-min=11.1km az=3.0, South of Bali

NEIC 21 02:33:31.3,35.95N,21.87E,h6km,ML3.9(ATH), After ATH

ATH 21 02:33:31.0,35.94N,21.85E,h4km,MD4.0/9,ML3.9/9, IDC 21 02:33:32.0,2.0,36.18N,22.30E,mb3.7/8,mb1 3.8/11, mb1mx3.8/23,ML3.7/3, Error ellipse: s-maj=40.1km s-min=22.2km az=16.0

THE 21 02:33:37.0,36.09N,21.90E,h20km,ML3.9/9, ISC 21 02:33:34.7,0.9,36.14N,0.04,21.94E,0.05,h23km,6km, n55,r122/63,mb3.8/7,Southern Greece

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

Table with columns: KAKA, Kakadu, 15.66 163, eP, ISC, h, m, s, ISC, 02 06 07.8, -2.5

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

ISC 21 02:15:16.3,3.3,12.42S,167.22E,mb4.3/4,mb1 4.5/4, mb1mx4.1/11, Error ellipse: s-maj=137.0km s-min=50.4km az=164.0

NEIC 21 02:15:17.0,0.7,12.60S,167.27E,h10km,mb4.4/1, Error ellipse: s-maj=39.9km s-min=26.8km az=91.0

ISC 21 02:15:15.6,1.0,12.7S,0.2,167.3E,0.3,h10km,n11, +0.68/6,mb4.2/5,Santa Cruz Islands

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

DJA 21 02:33:19.0,0.9,9.69S,-115.25E,h3km,4km,MD4.5/1, ML3.6/3,5C-3D, Error ellipse: s-maj=15.9km s-min=11.1km az=3.0, South of Bali

NEIC 21 02:33:31.3,35.95N,21.87E,h6km,ML3.9(ATH), After ATH

ATH 21 02:33:31.0,35.94N,21.85E,h4km,MD4.0/9,ML3.9/9, IDC 21 02:33:32.0,2.0,36.18N,22.30E,mb3.7/8,mb1 3.8/11, mb1mx3.8/23,ML3.7/3, Error ellipse: s-maj=40.1km s-min=22.2km az=16.0

THE 21 02:33:37.0,36.09N,21.90E,h20km,ML3.9/9, ISC 21 02:33:34.7,0.9,36.14N,0.04,21.94E,0.05,h23km,6km, n55,r122/63,mb3.8/7,Southern Greece

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

DJA 21 02:01:26.4,1.4,4.08S,-126.41E,mb3.7/3,mb1 3.9/4, mb1mx3.8/11,ML3.3/1,MS3.2/1,Ms1 3.4/1,ms1mx2.9/15, Error ellipse: s-maj=91.0km s-min=26.2km az=67.0, Banda Sea

ISC 21 02:02:18.3,1.5,2.79N,128.27E,mb4.3/5,mb1 4.5/5, mb1mx4.3/12, Error ellipse: s-maj=83.5km s-min=19.6km az=65.0

NEIC 21 02:02:38.9,4.7,2.37N,127.89E,h185km,45km,mb4.7/4, Error ellipse: s-maj=51.0km s-min=15.0km az=62.0

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

2004 MAR

21d 3h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like STON, Carovilli, Eilat, etc.

Table with columns: NVSS, Nova Varos 2, TTVG, Podgorica, etc. Includes stations like Nova Varos 2, Podgorica, Divcibare, etc.

Table with columns: MORC, Moravsky Berou, Cervenica-Dubin, etc. Includes stations like Moravsky Berou, Cervenica-Dubin, Ostrava-Krasne, etc.

454

IDC 21 03:02:36.0z.2.9.9.87S-120.13E, mb3.6/1, mb1 3.6/3, mb1mx3.6/8, ML3.5/2, Error ellipse: s-maj=259.0km s-min=28.8km az=51.0

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

ISC 21 03:02:40.8z.2.2.10.0S.0.2x120.2E.0.1, h56kmz27km, n7, +058N13, mb3.7/1, 4C-4D, Sumba region

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

NEIC 21 03:10:56.2, 38.42N-23.80E, h13km, MD3.3(ATH), After ATH

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

ATH 21 03:10:56.2, 38.42N-23.81E, h10kmz5km, MD3.0/4, ML2.7, THE 21 03:10:58.1, 38.55N-23.94E, h20km, ML3.0

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

ISC 21 03:10:54.4.0.9.38.49N.0.03.23.95E.0.08, h6kmz7km, n18, +1913/23, Greece

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like MPAR, ATH, AOS, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like MPAR, ATH, AOS, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like MPAR, ATH, AOS, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like MPAR, ATH, AOS, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like MPAR, ATH, AOS, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like MPAR, ATH, AOS, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like MPAR, ATH, AOS, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like MPAR, ATH, AOS, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like MPAR, ATH, AOS, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like MPAR, ATH, AOS, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like MPAR, ATH, AOS, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like KEDI, Rati, RATI, etc.



Table with columns: Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like INK, YKA, ILAR, CMAR, PDAR, NVAR, ASAR.

MEX 21 03:24:44.8-0.7, 17.70N:95.67W, h100km, MD3.9 NEIC 21 03:24:44.8, 17.69N:95.67W, h100km, MD3.9(MEX), After MEX.

ISC 21 03:24:43.3-1.2, 17.68N:0.06-95.66W:0.05, h99km, 12km, n7, c084713, Oaxaca

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like EVV, CMIG, OXX, VHO, ISIM, SCX, PPM.

IDD 21 03:38:00.5-5.2, 35.56N:71.07E, mb3.7/5, mb1 3.8/7, mb1mx3.6/16, ML3.3/2, MS4.5/1, Ms1 4.5/1, ms1mx3.0/26, Error ellipse: s-maj=96.3km s-min=38.5km az=159.0

NEIC 21 03:38:09.4-7.3, 35.87N:71.08E, h53km, 45km, mb3.9/1, Error ellipse: s-maj=72.6km s-min=30.7km az=183.0

NNC 21 03:38:22.4-2.9, 37.18N:70.41E, mvp3.7, Error ellipse: s-maj=51.5km s-min=23.8km az=92.0

ISC 21 03:38:22.8-8.9, 36.8N:0.2-71.0E:0.2, h137km, 29km, n11, c12613, mb3.5/4, 2C-10, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like KK31, MKAR, MKAR, AB31, AB31, BVAR, CHKZ, ZAL, FINES.

ARCES ARCES Array B 40.88 337 P 2.9m, 0.3s, mb3.9, baz=122, slow=14.5, SNR=3.4

NB2 NORSAR Subarray 14.16 323 P 1.6m, 0.8s, mb3.7, baz=97, slow=7.9

NOA NORSAR Array B 44.16 323 P 0.9m, 0.8s, mb3.2, baz=110, slow=8.3, SNR=3.0

YKA Yellowknife Arr 70.36 343 P 0.2m, 0.6s, mb2.9, baz=348, slow=4.8, SNR=4.2

IGQ 21 03:41:28.8, 5.47S:79.88W, h76km, 24km, mb4.9, Error ellipse: s-maj=19.0km s-min=10.7km az=5.0

ISC 21 03:41:40.5-2.2, 6.25S:79.97W, mb3.4/3, mb1 3.9/5, mb1mx3.7/15, ML3.2/2, Error ellipse: s-maj=67.5km s-min=42.1km az=51.0

ISC 21 03:42:07.2-2.2, 8.8S:0.2-79.3W:0.1, h50km, n28, c0578/29, mb3.3/3, 3C-4D, Near coast of Ecuador

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like IGUA, ARRY, PATA, CUSUA, JUIV, ULBA, PISA, QIL1, QIL2, MARY, TAMB, NAS1, VC1, ANTI, JUIZ, CGGP, CRATER, GGGP, PINO, YANA, JORI, CAYR, CAYA, CUPA, COTA, ROSC.

LPAZ The Paz 17.36 141 P 0.2m, 0.3s, baz=326, slow=13, SNR=15

PDAR Pinedale Array 52.92 332 P 0.9m, 1.1s, mb3.5, baz=96, slow=8.2, SNR=3.0

PDAR 0.9m, 0.7s, baz=150, slow=7.3, SNR=2.8

NVAR Mina Array Bea 54.55 323 P 0.9m, 0.6s, mb3.5, baz=139, slow=9.8, SNR=4.2

NVAR 0.7m, 0.8s, baz=126, slow=7.0, SNR=4.3

YKA Yellowknife Arr 70.36 343 P 0.1m, 0.5s, mb3.0, baz=143, slow=5.5, SNR=6.4

NEIC 21 03:53:16.1, 38.47N:24.01E, h16km, MD3.1(ATH), After ATH.

ATH 21 03:53:16.2, 38.47N:23.99E, h17km, 5km, MD2.9/7, ML2.6 THE 21 03:53:19.8, 38.58N:23.91E, h17km, ML2.6

ISC 21 03:53:15.7-1.2, 38.43N:0.04-24.0E:0.1, h18km, 13km, n14, c088/18, Aegean Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like MPAR, ATH, NSAL, AOS, NAOS, NISOS, NEO, XOR, AGG, PAIG, OUR, VLI, PLG, KNT.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like DZM, NOUC, CTAR, AS12, ASAR, WRAB, WRA, NVAR, KAF, FINES.

IDD 21 03:57:02.6-1.7, 32.12S:178.01W, mb4.0/3, mb1 4.2/4, mb1mx4.1/12, ML3.4/1, Error ellipse: s-maj=53.1km s-min=28.2km az=138.0

NEIC 21 03:57:03.9-0.9, 32.23S:177.96W, h10km, Error ellipse: s-maj=27.9km s-min=15.8km az=130.0

ISC 21 03:57:02.4-1.5, 32.2S:0.1-178.0W:0.3, h10km, n8, c069/7, mb3.9/3, South of Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like URZ, URZ, ASAR, WB2, WRA, GQSA, NVAR, KAF, FINES.

IDD 21 04:07:45.2-0.7, 1.80N:126.26E, mb4.6/13, mb1 4.7/13, mb1mx4.7/15, MS3.3/1, Ms1 3.5/1, ms1mx2.9/20, Error ellipse: s-maj=37.2km s-min=15.0km az=63.0

SYO 21 04:07:48.7, 1.79N:126.25E, h22km, MB4.7, NEIC 21 04:07:48.8, 4.0, 1.79N:126.25E, h22km, mb4.7/19, Error ellipse: s-maj=14.4km s-min=6.3km az=71.0

BUI 21 04:07:48.7, 1.80N:126.26E, h22km, mb5.1, mb4.6, Ms4.3 MOS 21 04:07:49.5, 1.2, 1.69N:125.99E, h43km, mb4.9/15, Error ellipse: s-maj=29.4km s-min=9.6km az=114.2

ISC 21 04:07:44.3-3.5, 1.82N:0.1-126.31E:0.10, h4km, 21km, n74, c1514/7.4, mb4.7/39, MS4.0/2, 6C, Northern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like KAKA, FITZ, WRA, WB2, JOW, AS12, ASAR, CTA, CTA, CMAR, FORT, ENH, KLBK, MUN, STKA, ARMA, SHL, LSA, PALK, HIA, BOD, ULN, ZAK, BOD, MKAR, YAK, MA2, MA2, ZAL, ZAL, ZAL, KURK, KURK.

ASC 21 04:07:53.2, 37.10N:121.14E, h5km, ML3.5(ATH), After ATH.

ATH 21 04:19:55.3, 37.33N:121.24E, h5km, MD3.5/4, ML3.4 THE 21 04:19:57.0, 37.25N:121.26E, h20km, ML3.5

ISC 21 04:19:57.4-0.8, 37.28N:0.04-121.24E:0.06, h31km, 7km, n29, c1213/39, Southern Greece

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ITM, RLS, VLS, VLS, VLI, LKD, LKD, EVR, KYTH, SOH, NSAL, AGG, LKR, ATH, IGT, JAN, NEO, XOR, KFK, AOS, AOS, LIT, VAM, KNT, KNT, KNT, STON, STON, CIL.

NAO 21 04:40:43.3-3.4, 8.0, 15N:22.07E, ML2.8 BER 21 04:40:45.8, 2.4, 8.08N:22.44E, h15km, 28km, MD3.5, ML2.9, ML2.8(NAO)

ISC 21 04:40:48.0-2.8, 79.5N:0.2-21.7E:0.5, h15km, n4, c193/79, Svalbard region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like SPA0, SPA0, KBS, KBS, KBS, KBS, ARA0, ARA0, KURK, KURK, KURK, NKS, NKAR, BVAR, BRVK, BRVK, CHKZ, CHKZ, TXI, TXI, BILL, BILL, TGy, TGy.

MAN 21 04:55:12.6, 12.55N:125.05E, h15km, mb4.5, ML3.4, MS3.2

ISC 21 04:55:05.5-2.5, 12.57N:125.13E, mb3.6/3, mb1 3.8/3, mb1mx3.6/14, MS3.1/2, Ms1 3.1/2, ms1mx2.8/26, Error ellipse: s-maj=21.9km s-min=25.9km az=64.0, Samar

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like AB31, SVE, ARU, ARU, ARU, MZLS, VMDA, KAMS, SBA, DJNS, TATS, AFFS, KIV, KIV, HILS, BLUS, SOC, SOC, SOC, SOC, SOC, KBRB, ILAR, MALT, OBN, OBN, OBN, KMB0, SYO, SYO, JOF, JOF, ARCES, KAF, KAF, FINES, FINES, FINES, FINES, LPAZ, LPAZ.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like MZLS, VMDA, KAMS, SBA, DJNS, TATS, AFFS, KIV, KIV, HILS, BLUS, SOC, SOC, SOC, SOC, SOC.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like SOC, SOC, SOC, SOC, SOC, SOC, KBRB, ILAR, MALT, OBN, OBN, OBN, KMB0, SYO, SYO, JOF, JOF.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ARCES, KAF, KAF, FINES, FINES, FINES, FINES, LPAZ, LPAZ.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like KBRB, ILAR, MALT, OBN, OBN, OBN, KMB0, SYO, SYO, JOF, JOF.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ARCES, KAF, KAF, FINES, FINES, FINES, FINES, LPAZ, LPAZ.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ARCES, KAF, KAF, FINES, FINES, FINES, FINES, LPAZ, LPAZ.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ARCES, KAF, KAF, FINES, FINES, FINES, FINES, LPAZ, LPAZ.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ARCES, KAF, KAF, FINES, FINES, FINES, FINES, LPAZ, LPAZ.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ARCES, KAF, KAF, FINES, FINES, FINES, FINES, LPAZ, LPAZ.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ARCES, KAF, KAF, FINES, FINES, FINES, FINES, LPAZ, LPAZ.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ARCES, KAF, KAF, FINES, FINES, FINES, FINES, LPAZ, LPAZ.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ARCES, KAF, KAF, FINES, FINES, FINES, FINES, LPAZ, LPAZ.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ARCES, KAF, KAF, FINES, FINES, FINES, FINES, LPAZ, LPAZ.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ARCES, KAF, KAF, FINES, FINES, FINES, FINES, LPAZ, LPAZ.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ARCES, KAF, KAF, FINES, FINES, FINES, FINES, LPAZ, LPAZ.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ARCES, KAF, KAF, FINES, FINES, FINES, FINES, LPAZ, LPAZ.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ARCES, KAF, KAF, FINES, FINES, FINES, FINES, LPAZ, LPAZ.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ARCES, KAF, KAF, FINES, FINES, FINES, FINES, LPAZ, LPAZ.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ARCES, KAF, KAF, FINES, FINES, FINES, FINES, LPAZ, LPAZ.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ARCES, KAF, KAF, FINES, FINES, FINES, FINES, LPAZ, LPAZ.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JOW Kunigami, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array.

IDC 21 05:02:28.3:1.6, 19.82Sx177.95E, h28km, 3km, mb3.8/8, mb1.4/2.8, mb1mx4.1/1.1, MS3.5/1, Ms1 3.5/1, ms1mx2.9/2.1, Error ellipse: s-maj=106.0km s-min=16.1km az=156.0, NEIC 21 05:04:30.0:5.2, 30.04Sx178.02E, h50km, mb4.5/2, Error ellipse: s-maj=26.8km s-min=13.2km az=152.0

ISC 21 05:02:27.0:2.0, 20.1Sx0.2, 178.0E, 0.2, h33km, n21, c0549/12, mb4.0/10, MS3.4/1, South of Fiji Islands

Main table for 21d 5h section, listing station data for various codes like CTA, WRA, ASAR, etc.

KISR 21 05:04:29.0:0.6, 33.26N, 50.10E, h60km, mb4.6(NEIC) IDC 21 05:04:30.0:1.8, 32.98N, 49.41E, mb4.0/11, ms1 4.2/12, mb1mx4.1/18, ML4.0/1, MS3.5/7, Ms1 3.5/7, ms1mx3.3/26, Error ellipse: s-maj=41.6km s-min=19.5km az=4.0

MOS 21 05:04:32.1:0.9, 32.72N, 49.39E, h33km, mb4.7/17, Error ellipse: s-maj=11.6km s-min=6.8km az=120.9

ZUR\_RM 21 05:04:37, 32.99N, 49.40E, h21km, Mw4.5/9, Moment Tensor Solution. s9 Moment tensor: Scale 10^15Nm; Mw=1.82; Mw=-3.80; Mw=5.62; Mw=0.03; Mw=2.91; Mw=0.64; Best double couple: M5.56x10^15 Nf1.0x331; 8907; 1-174; NP2.2x241; 884; 0.0; Principal axes: 7.8, 487, Plg4; Azm106; N-1.846, Plg84; Azm331; P-4.64, Plg4; Azm196

NEIC 21 05:04:38.0:5.0, 32.99N, 49.40E, h60km, 48km, mb4.6/16 Error ellipse: s-maj=20.7km s-min=6.0km az=178.0, ISC 21 05:04:34.6:2.3, 33.14N, 0.0, 49.41E, 0.06, h33km, 18km, n74, c0598/78, mb4.3/29, MS3.5/6, 13C-1D, Western Iran

Main table for 21d 5h section, listing station data for various codes like MIB, UMR, RST, KBD, NAY, etc.

Table with columns: ARU, BRVK, SVE, BVAR, CHKZ, KURK, MOA, KBA, KBA, GERES, WTTA, WTTA, WATA, WATA, SOTA, SOTA, FINES, FINES, FINES, FINES, MOTA, MOTA, ZAL, ZAL, DAVA, DAVA, PGF, PGF, SBF, SBF, SBF, SBF, MBDF, MBDF, MBDF, MBDF, LPG, LPL, LPL, HINF, HINF, HINF, HINF, ORIF, ORIF, CABF, CABF, SMF, SMF, SMF, SMF, LOR, NB2, NB2, NB2, NB2, NOA, NOA, SSF, SSF, SSF, SSF, BGF, BGF, ZAK, ZAK, ESCD, ESCD, ULN, ULN, ULN, ULN, BOD, BILL, BILL, BILL, BILL, BILL, BILL, SKHO, SKHO, YKA, YKA, YKA, YKA

NEIC 21 05:15:43.1, 38.44N, 23.86E, h25km, MD3.2(ATH), After ATH. ATH 21 05:14:07.8, 38.44N, 23.82E, h25km, 2km, MD3.0/3 THE 21 05:14:08.0, 38.47N, 23.95E, h6km, ML2.5 ISC 21 05:14:06.9:1.1, 38.43N, 0.0, 24.1E, 0.1, h18km, 12km, n13, c0568/16, Aegean Sea

NEIC 21 05:15:43.1, 38.44N, 23.86E, h25km, MD3.2(ATH), After ATH. ATH 21 05:17:27.4, 38.29N, 23.85E, h48km, MD3.2(ATH), After ATH. ATH 21 05:17:28.1, 38.44N, 23.87E, h25km, 2km, MD2.9/6, ML2.6 THE 21 05:17:31.4, 38.58N, 23.95E, h15km, ML2.8 ISC 21 05:17:27.3:1.1, 38.45N, 0.0, 24.1E, 0.1, h21km, 11km, n13, c1907/19, Aegean Sea

NEIC 21 05:27:46.9, 38.43N, 23.85E, h20km, MD3.2(ATH), After ATH. ATH 21 05:27:47.3, 38.49N, 23.88E, h22km, 5km, MD2.9/4, ML2.8 THE 21 05:27:49.0, 38.49N, 23.92E, h11km, ML2.9 ISC 21 05:27:46.3:1.1, 38.42N, 0.0, 24.0E, 0.1, h21km, 9km, n15, c1506/20, Aegean Sea

Main table for 21d 5h section, listing station data for various codes like MIPAR, ATH, NSAL, AOS, NAIG, NISOS, NEO, XOR, AGG, VLI, PAIG, OUR, PLG, LIT, LIT, etc.

DJA 21 05:57:29.3:0.9, 8.52S, 114.28E, h156km, 6km, MD4.5/2, ML3.4/3, 4C-4D, Error ellipse: s-maj=38.0km s-min=15.4km az=19.0, Bali region

Main table for 21d 5h section, listing station data for various codes like KLI, INGI, RATI, KEDI, etc.

Table with columns: MIPAR, ATH, NSAL, AOS, NAIG, NISOS, NEO, XOR, AGG, VLI, PAIG, OUR, PLG, LIT, etc.

NEIC 21 05:27:46.9, 38.43N, 23.85E, h20km, MD3.2(ATH), After ATH. ATH 21 05:27:47.3, 38.49N, 23.88E, h22km, 5km, MD2.9/4, ML2.8 THE 21 05:27:49.0, 38.49N, 23.92E, h11km, ML2.9 ISC 21 05:27:46.3:1.1, 38.42N, 0.0, 24.0E, 0.1, h21km, 9km, n15, c1506/20, Aegean Sea

NEIC 21 05:27:46.9, 38.43N, 23.85E, h20km, MD3.2(ATH), After ATH. ATH 21 05:27:47.3, 38.49N, 23.88E, h22km, 5km, MD2.9/4, ML2.8 THE 21 05:27:49.0, 38.49N, 23.92E, h11km, ML2.9 ISC 21 05:27:46.3:1.1, 38.42N, 0.0, 24.0E, 0.1, h21km, 9km, n15, c1506/20, Aegean Sea

NEIC 21 05:27:46.9, 38.43N, 23.85E, h20km, MD3.2(ATH), After ATH. ATH 21 05:27:47.3, 38.49N, 23.88E, h22km, 5km, MD2.9/4, ML2.8 THE 21 05:27:49.0, 38.49N, 23.92E, h11km, ML2.9 ISC 21 05:27:46.3:1.1, 38.42N, 0.0, 24.0E, 0.1, h21km, 9km, n15, c1506/20, Aegean Sea

Main table for 21d 5h section, listing station data for various codes like WAU, PMG, KAKA, CTA, WB2, WRA, WRA, AS12, ASAR, FITZ, JMU, CNU, ILAR, BVAR, YKA, etc.

DJA 21 05:57:29.3:0.9, 8.52S, 114.28E, h156km, 6km, MD4.5/2, ML3.4/3, 4C-4D, Error ellipse: s-maj=38.0km s-min=15.4km az=19.0, Bali region

Main table for 21d 5h section, listing station data for various codes like AKH, STE, TBLG, MTA, DGRG, etc.

NEIC 21 06:05:17.5e.1.1, 34.91N, 72.88E, mb4.5/1, Error ellipse: s-maj=22.7km s-min=17.5km az=209.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Mizel, Afif, Talith, Jabal al Asfar, etc.

NEIC 21 06:50:09.6, 38.45N-23.87E, h23km, ML2.8(ATH), After ATH.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Parnis Oros, Athens Observa, Nisos Salamina, etc.

NEIC 21 06:52:33.8, 38.47N-23.97E, h13km, MD2.8(ATH), After ATH.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Parnis Oros, Athens Observa, Nisos Salamina, etc.

IDC 21 06:53:41.3, 9.4, 31, 10N-52, 18E, h9km, 6km, mb3.9/5, mb1.4/0.5, mb1mx3.7/16, MS2.9/2, Ms1 2.9/2, ms1mx2.8/25, Error ellipse: s-maj=184.0km s-min=38.4km az=2.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Mizel, Afif, Talith, Jabal al Asfar, etc.

NEIC 21 06:59:45.3, 38.43N-23.99E, h17km, MD3.6(ATH), After ATH.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Parnis Oros, Athens Observa, Nisos Salamina, etc.

DJA 21 07:07:41.7, 0.9, 8.26S-117.99E, h134km, 15km, MD4.5/2, ML4.3/4, 3C-4D, Error ellipse: s-maj=60.6km s-min=24.9km az=1.0, Sumbawa region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Kedondong, Rata, Ingas, Kelakatan, etc.

DJA 21 07:15:52.7, 0.4, 8.26S-117.99E, h15km, 15km, MD4.7/2, 5C-BD, Error ellipse: s-maj=11.1km s-min=6.2km az=1.0, Sumbawa region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Kedondong, Rata, Ingas, Kelakatan, etc.

Error ellipse: s-maj=11.4km s-min=7.0km az=93.3, IDC 21 07:20:08.5, 0.8, 47.45N-151.46E, h154km, 7km, mb3.7/16, mb1.3/9/17, mb1mx3.9/21, MS3.3/1, Ms1 3.3/1, ms1mx2.6/23, Error ellipse: s-maj=15.2km s-min=11.4km az=141.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Kuril'sk, Severo-Kuril's, Yuzh-Kuril'sk, etc.



Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like MWZ Matawai, Pawanui, Pawanui, Kokoju, etc.

DJA 21 07:46:24.0-1.0,7.90S-117.07E,h33km,ML4.3/2,1C-4D, Error ellipse: s-maj=38.9km s-min=19.9km az=138.0,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like KEDI Kedondong, RATA Rata, etc.

GUC 21 08:02:51.9-0.8,31.18S-68.53W,h147km,MD3.9,ML4.2 NEIC 21 08:02:51.9,31.21S-68.37W,h107km,mb4.2/4,

NEIC Felt [III] at San Juan. IDC 21 08:02:54.1-6.7,31.04S-67.91W,h134km,68km,mb3.4/4,

ISIC 21 08:02:50.8-0.6,31.16S-68.31W,0.08,h113km,gkm, n37,0599/48,mb3.7/5,8C-5D, San Juan Province

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like MDZ Mendoza, COMBARBALA, etc.

PDAR Pinedale Array 82.74 331 P P 08 15 02.4 -0.9 comp=N,0.4nm,0.7s,mb3.4,baz=139,slow=9.6,SNR=3.0

NEIC 21 08:18:46.5,35.17N-4.03W,h24km,MG3.8(MDD), After MDD. MDD 21 08:18:46.0-9.35,37N-4.02W,mb3.4/0,1D, Error ellipse: s-maj=10.0km s-min=4.1km az=27.0,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like EMEL Melilla, MELI Melilla, etc.

NEIC 21 08:34:24.4-0.7,19.51S-177.65W,h550km,mb4.6/3, Error ellipse: s-maj=24.7km s-min=16.0km az=161.0,

IDC 21 08:34:25.3-7.4,19.54S-177.70W,h556km,82km,mb3.4/3, mb1 3.6/4, mb1mx3.3/12, Error ellipse: s-maj=56.0km s-min=28.7km az=10.0

ISIC 21 08:34:24.1-1.2,19.6S-0.2-177.8W,0.2,h550km,n12, 0549/9,mb4.2/5,Fiji Islands region

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

MAN 21 08:59:58.4,13.55N-120.58E,h41km,mb4.0,ML2.8, MS2.4, Mindoro

WEL 21 09:14:09.8-0.4,37.21S-177.57E,h101km,4km,ML3.6/1, Error ellipse: s-maj=4.0km s-min=2.6km az=90.0, Off east coast of North Island

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

KRSC 21 09:18:34.2-1.3,51.37N-156.69E,h195km,3km,ML4.9 MOS 21 09:18:34.7-1.2,51.62N-156.33E,h203km,mb4.3/19, Error ellipse: s-maj=9.4km s-min=6.0km az=79.7

BUI 21 09:18:34.1,51.62N-156.15E,h186km,mb4.9,mb4.7 NEIC 21 09:18:35.7-0.2,51.71N-156.17E,mb4.7/5,7, Error ellipse: s-maj=5.9km s-min=3.4km az=164.0

IDC 21 09:18:35.8-0.7,51.73N-156.21E,h193km,6km,mb4.1/26, mb1 4.4/28, mb1mx4.4/29,MS3.3/1,Mst 3.5/1, mst1mx2.4/23, Error ellipse: s-maj=11.1km s-min=7.5km az=122.0

ISIC 21 09:18:34.7-0.3,51.60N-0.03-156.27E,0.04,h198km,1km, h194km,2.7km;p-P,n212,c1900/254,mb4.4/79,9C-4D, Kamchatka Peninsula

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like PAU Pauzhetka, MIPR Malaya Ipel'ka, etc.

21d 10h

Table of astronomical observations for 21 days and 10 hours, listing stations like YUK, FX1, and ASAJ with their respective coordinates and observation times.

2004 MAR

Table of astronomical observations for March 2004, listing stations like BVAR, ARCES, and SHL with their respective coordinates and observation times.

460

Table of astronomical observations for 460, listing stations like ASAR, HAU, DAVOS, and FLN with their respective coordinates and observation times.

SYO 21 10:34:11.7, 24.17S:175.87W, h39km, MB5.0, MS4.6
NEIC 21 10:34:11.9, 0.4, 24.17S: 175.87W, mb5.0/17, MS4.6/7,
for ellipse: s-min=13.7km s-min-9.0km azz=146.0
BUJ 21 10:34:11.0, 24.20S:175.90W, h38km, mb5.2, MS4.8
IDC 21 10:34:11.7, 1.1, 24.20S:175.91W, h41km, 7km, mb4.2/8,
mb1.4/6.10, mb1mx4.5/15, ML4.5/2, MS4.4/8, Ms1.4/4.8,
ms1mx2.2/2.2, Error ellipse: s-min=38.9km s-min=18.3km
azz=152.0
HRVD 21 10:34:11.8, 0.4, 24.27S:175.22W, h26km, 1km, MW5.1/50,
Centroid moment Tensor Solution. LP body waves:
s34,c50;Manile waves: s50,c74; Half duration: 0 Moment
refers to scale 10^19Nm; M1:4, 14z:25; Mw:0.54z:16;
Mw:3.60z:17; Ms:0.50z:36; Mw:0.54z:12; Mw:2.70z:31;
Best double couple: M:4.78x10^16 N1:19z:189z:1.89z:
N2:2z:10z:86z:190z: Principal axes: T:5.01, P1:7z:
Az:281z: N:4.5, P1:0z: Az:190z: P:4.56, P1:18z:
Az:100z: nsta1 refers to body waves, cutoff=40s. nsta2
refers to surface waves, cutoff=50s.

Table of astronomical observations for South of Tonga Islands, listing stations like RAR, RAR, RAR, and URZ with their respective coordinates and observation times.



21d 10h

Table of astronomical observations for the first 10 hours of the 21-day period. Columns include object name, magnitude, position, and other parameters.

2004 MAR

Main table of astronomical observations for 2004 March, listing various celestial objects and their observed data.

462

Table of astronomical observations for the second half of the 21-day period, continuing from the previous section.









21d 21h

0.7nm,0.9s,baz=127,slow=8.4,SNR=6.0
ZAL Zalesovo 60.42 336 LR LR 18 12 17.3

IDC 21 18:42:07.0.1.5, 18.93N:144.83E, mb3.5/5, mb1 3.6/5,
mb1mx3.5/17, Error ellipse: s-maj=55.2km s-min=28.5km
az=87.0
ISC 21 18:42:09.8.1.4, 18.9N.0.2x144.8E.0.4, h33km, n5,
o#23/5, mb3.5/5, Mariana Islands

IDC 21 18:42:29.9.0.9, 18.86N:144.84E, mb3.7/8, mb1 3.9/8,
mb1mx3.8/17, Error ellipse: s-maj=34.3km s-min=22.3km
az=95.0
ISC 21 18:42:33.2.0.8, 18.9N.0.1x144.7E.0.2, h33km, n8,
o#70/8, mb3.7/8, Mariana Islands

CASC 21 18:49:05.3.2.1, 12.85N:88.69W, h45km, 4.1km, MD3.9,
ML3.8
ISC 21 18:49:04.6.0.5, 12.77N.0.06:88.72W.0.03, h44km, 25km,
n32, o#76/54, 10C-11D, Off coast of central America

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LFU La Fuente, BOQS Boqueron, BOQS Cacacuatique, etc.

GUC 21 19:03:28.9.0.4, 29.96S:66.87W, h124km, ML4.3, La
Rioja Province

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TLL Tololo Astrono, TLL Inuvik, CMCH Combarbala, etc.

NEIC 21 19:09:55.2.6.2, 52.70N:152.42E, h500km, mb4.7/1, Error
ellipse: s-maj=67.1km s-min=14.2km az=170.0
IDC 21 19:09:57.8.5.8, 52.51N:152.55E, h548km, 70km, mb2.8/9,
mb1 2.9/9, mb1mx2.8/22, Error ellipse: s-maj=63.7km
s-min=18.2km az=167.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ILAR Eielson Array, INK Inuvik, INK Inuvik, etc.

2004 MAR

0.7nm,0.9s,mb3.1,baz=304,slow=7.2,SNR=5.9
SPITS Spitsbergen Arr 46.55 349 P P 19 17 37.7 +0.3
BVAR Borovoye Array 46.81 305 P P 19 17 40.2 +0.6
FINES FINES Array B 58.37 333 P P 19 19 02.1 -0.5
NOA NORSAR Array B 62.34 340 P P 19 19 28.7 -0.1
HFS Hagfors 62.61 338 P P 19 19 30.2 -0.5

THE 21 19:20:37.6.36.17N:25.54E, h3km
NEIC 21 19:20:37.8.36.16N:25.44E, h25km, MD3.0(A)TH, After
ATH.
ATH 21 19:20:37.8.36.16N:25.44E, h25km, 1km, MD3.0/6
ISC 21 19:20:37.5.0.6.36.16N.0.04:25.44E.0.08, h11km, 6km,
n13, o#86/19, Dodecanese Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like THR6 Thira Island, SANTS Santorini, SANTS Santorini, etc.

IDC 21 19:51:52.0.2.4.29.88S:177.27W, mb4.1/3, mb1 4.2/4,
mb1mx4.0/13, ML3.7/1, Error ellipse: s-maj=57.2km
s-min=46.2km az=140.0
NEIC 21 19:51:52.9.1.6.29.93S:177.20W, h10km, Error ellipse:
s-maj=33.2km s-min=19.4km az=92.0
ISC 21 19:51:57.9.3.30.2S:177.0W, 0.1x178.1W, 0.8, h10km, n7,
o#47/6, mb4.1/3, Kermadec Islands

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

IGQ 21 19:11:03.3.1.175:77.79W, h25km, 1km, mb4.1, 15C-10D,
Error ellipse: s-maj=1.9km s-min=0.9km az=31.8,
Ecuador

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PISA Pisayambo, RINGA Ringatapu, ULBA Ulba, etc.

IDC 21 20:31:58.8.5.3.16.66S:174.07W, mb3.7/3, mb1 4.1/3,
mb1mx3.9/12, Error ellipse: s-maj=397.0km
s-min=30.1km az=151.0, Tonga Islands

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

IDC 21 20:44:16.9.2.0.5.45S:148.28E, mb3.6/2, mb1 4.2/3,
mb1mx3.9/10, ML4.4/1, Error ellipse: s-maj=121.0km
s-min=30.0km az=123.0, New Britain region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, AS12 Alice Springs, etc.

MAN 21 21:00:14.5.10.58N:122.02E, h4km, mb3.6, ML2.3, MS1.8,
Panay

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DJA 21 21:23:20.4.0.9, 7.52S:120.41E, h400km, MD4.5/4, etc.

466

KEDI Rati 4.82 253j ePn S 21 25 40.1 +1.3
RATI Rati 4.82 253j ePn S 21 24 45.7 -0.1
RATI Rati 4.82 253j ePn S 21 25 49.1 -0.5
RATI Rati 4.82 253j ePn S 21 24 55.0 -0.3
INGI Ingas 5.21 253j ePn S 21 24 49.0 -0.6
INGI Ingas 5.21 253j ePn S 21 24 49.5 -0.2

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

MOS 21 21:24:42.4.1.2.36.60N:70.71E, h33km, mb4.0/1, Error
ellipse: s-maj=33.6km s-min=15.1km az=79.9
NEIC 21 21:24:46.3.6.3.36.68N:70.84E, h50km, 46km, mb3.4/1,
Error ellipse: s-maj=63.8km s-min=16.0km az=53.0
IDC 21 21:24:49.0.14.0.36.78N:71.22E, h64km, 103km, mb3.2/2,
mb1 3.7/5, mb1mx3.4/16, ML3.7/3, Error ellipse:
s-maj=142.0km s-min=41.7km az=62.0
NCC 21 21:25:00.9.9.3.37.55N:71.03E, h193km, 97km, mpv4.2,
Error ellipse: s-maj=104.3km s-min=106.2km az=33.0
ISC 21 21:24:52.2.1.2.36.91N:0.05:71.2E.0.2, h130km, 15km,
n33, i#107/40, mb3.0/2, 2C-3D, Afghanistan-Tajikistan
border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AML Almayashu, THN Thein Dam, THN Thein Dam, etc.

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

KOLN Gorkha 14.37 124 eP S 21 20 23.8 -1.1
GKN Gorkha 6.1nm, 0.3s 21 20 25.8 -2.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like GKN Kurchatov, KURK Kurchatov, AB31 Akbulat array, etc.

IDC 21 21:48:59.8.1.5.4.34S:145.20E, mb3.8/3, mb1 4.1/4,
mb1mx3.8/10, ML3.9/1, MS2.8/1, Ms1 2.8/1, ms1mx2/7/14,
Error ellipse: s-maj=123.0km s-min=25.9km az=119.0
NEIC 21 21:49:07.6.2.1.5.02S:146.10E, h62km, 20km, Error
ellipse: s-maj=22.6km s-min=19.2km az=47.0
ISC 21 21:49:07.0.2.4.5.05S:0.1.146.0E.0.1, h470km, 23km, n7,
o#154, mb3.6/3, Eastern New Guinea region

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

YKA Yellowknife Ar 98.75 28 P P 22 02 41.2 +1.4

NEIC 21 22:07:13.7, 42.41N-8.09W, MN2.0(MDD), After MDD.
INMG 21 22:07:13.8-1.3, 42.39N-8.10W, h12km, 13km, ML1.8,
Error ellipse: s-maj=2.4km s-min=1.8km az=78.0
MDD 21 22:07:13.6-0.4, 42.41N-8.09W, h6km, 14km, mbLg2.0/8,
Error ellipse: s-maj=2.8km s-min=2.7km az=30.0, PRXIMO
ISC 21 22:07:12.4-0.7, 42.44N-0.04-8.08W=0.07, h9km, 13km, n15,
0593/17, 1D, Spain

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like ZAMANS, LOBIOS, SANTIAGO, etc.

IDC 21 22:17:41.7-1.7, 5.47S, 152.61E, mb3.8/6, mb1.4/0.7,
mb1mx4.0/12, ML3.7/1, MS3.5/3, Ms1.3/6/3, ms1mx3.3/19,
Error ellipse: s-maj=62.3km s-min=25.1km az=124.0
NEIC 21 22:17:50.5-1.8, 5.35S, 152.42E, h65km, 13km, mb4.4/2,
Error ellipse: s-maj=34.6km s-min=10.5km az=113.0
ISC 21 22:17:49.8-1.8, 5.35S-0.1, 152.4E-0.2, h69km, 13km, n16,
0593/15, mb3.8/8, New Britain region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like RAB, PMG, CTA, etc.

GUC 21 22:35:37.6-0.5, 32.06ES-68.11W, h184km, 21km, ML3.9,
Mendoza Province

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like FCH, CLCH, CMCH, etc.

GUC 21 22:43:18.7-0.8, 35.77S-70.83W, h3km, 5km, MD3.8,
ML3.2

NEIC 21 22:43:21.4-1.1, 35.63S-71.25W, h10km, ML3.2(GUC),
Error ellipse: s-maj=20.0km s-min=8.6km az=124.0
ISC 21 22:43:18.8-1.0, 35.80S-70.84W-0.09, h3km, n16,
05100/31, 3D, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like TALC, SFDO, CCHI, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like TACH, PCH, RCDM, etc.

MDD 21 22:58:05.4-4.0, 36.72N-10.85W, mb3.1/4, Error ellipse:
s-maj=85.4km s-min=33.8km az=163.0, PRXIMO SIN
SOLUCIN
INMG 21 22:58:06.1-0.7, 36.77N-10.97W, h10km, Error ellipse:
s-maj=6.3km s-min=4.8km az=89.0
ISC 21 22:58:06.1-2.1, 36.77N-10.1x10.7W-0.1, h10km, n9,
01502/14, Azores-Cape St. Vincent Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like PTEO, MOE, PBEJ, etc.

NEIC 21 23:08:25.4-1.1, 10.25Sx161.35E, mb3.5/1, Error ellipse:
s-maj=39.0km s-min=17.9km az=133.0
IDC 21 23:08:25.4-2.4, 10.25Sx161.35E, h75km, 9km, mb3.6/4,
mb1.3/9/6, mb1mx3.8/13, MS3.5/1, Ms1.3/5/1, ms1mx3.2/11,
Error ellipse: s-maj=101.0km s-min=21.2km az=134.0
ISC 21 23:08:27.1-1.2, 10.3S-0.2-161.4E-0.2, h75km,
h75km, 2.8km, pp-P, n8, 00975/8, mb3.6/5, Bougainville -
Solomon Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like CTA, WRA, ASAR, etc.

NEIC 21 23:27:57.3, 38.46N-8.10W, MN1.7(MDD), After MDD.
INMG 21 23:27:57.8-1.1, 38.47N-8.09W, h2km, ML1.5, Error
ellipse: s-maj=3.5km s-min=2.7km az=58.0
MDD 21 23:27:58.3-2.3, 38.41N-8.05W, mbLg1.7/3, Error ellipse:
s-maj=18.9km s-min=13.7km az=127.0, PRXIMO
ISC 21 23:27:56.6-0.7, 38.48N-0.03-8.06W-0.04, h6km, 6km, n13,
05102/23, Portugal

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like MOE, PBEJ, PLOU, etc.

NAO 21 23:50:24.3-2.1, 67.54N-20.07E, ML1.7, ML2.1(NAO),
Suspected explosion
ISC 21 23:50:18.0-0.8, 67.50N-20.06E-0.1E-0.1, n7, 05114/10,
Sweden

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like KTK1, TRO, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like LOF, MORB, ARAO, etc.

NNC 21 23:53:00.8-2.1, 37.17N-70.47E, mpv2.9, 1C-2D, Error
ellipse: s-maj=23.7km s-min=19.9km az=131.0,
Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like KK31, MK31, AB31, etc.

IDC 21 23:59:42.3-5.7, 36.02N-73.62E, mb3.7/3, mb1.3/7/5,
mb1mx3.6/15, ML3.4/2, Error ellipse: s-maj=111.0km
s-min=46.0km az=158.0
NCC 21 23:59:53.5-0.4, 37.01N-74.99E, h170km, 12km, mpv3.3,
Error ellipse: s-maj=68.4km s-min=2.9km az=58.0
ISC 21 23:59:45.7-3.5, 36.36N-0.08-73.5E-0.2, h18km, 30km,
n13, 0069/15, mb3.6/3, 1D, North-Western Kashmir

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like DLH, SDNR, KK31, etc.

IDC 22 00:21:20.1-3.1, 48.82Sx124.97E, mb3.9/2, mb1.1/2,
mb1mx3.9/6, MS3.8/3, Ms1.3/9/3, ms1mx3.7/7, Error
ellipse: s-maj=78.0km s-min=72.0km az=148.0, Western
Indian-Antarctic Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like ASAR, WRA, CMAR, etc.

THE 22 00:36:08.0, 38.46N-23.92E, h10km, ML2.8
NEIC 22 00:36:09.0, 38.45N-23.95E, h5km, ML2.6(ATH), After
ATH.
ATH 22 00:36:09.2, 38.44N-23.90E, h5km, 4km, MD2.6/6, ML2.5
ISC 22 00:36:07.6-1.0, 38.44N-0.02-24.01E-0.10, h5km, n13,
05108/21, Aegean Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like MPAR, ATH, NSAL, etc.

IDC 22 00:44:30.7-0.8, 3.11S-140.18E, mb4.1/5, mb1.4/4/6,
mb1mx4.3/9, ML4.4/1, MS3.4/1, Ms1.3/4/1, ms1mx3.0/12,
Error ellipse: s-maj=34.6km s-min=14.7km az=101.0
NEIC 22 00:44:38.8-0.6, 3.15S-140.20E, h60km, mb4.3/1, Error
ellipse: s-maj=24.3km s-min=11.4km az=106.0
ISC 22 00:44:39.9-4.8, 3.35S-0.1-140.2E-0.2, h89km, 45km, n13,
0087/14, mb4.0/5, Irian Jaya

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include stations like WB2, WRA, FITZ, etc.

Table with columns: LPAZ, La Paz, 145.92 126 PKPbc, PKPbc, 01 04 14.2 +3.9, CPUP, Vila Florida, 146.02 151 PKPbc, PKPbc, 01 04 12.7 +2.3

IDC 22 01:18:12.1-3.2, 48.90S-125.22E, mb3.7/2, mb1 3.9/2, mb1mx3.7/6, Error ellipse: s-maj=81.5km s-min=80.4km az=142.0, Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ASAR Alice Springs, 26.10 18 P, ISC, 01 23 47.6 -1.6

MOS 22 01:20:06.2-3.1, 50.08N-87.43E, h15km, mb4.4/1, Error ellipse: s-maj=17.3km s-min=12.2km az=90.2

NNC 22 01:20:10.6-5.3, 50.06N-87.44E, h57km, 59km, mpv3.9, Error ellipse: s-maj=54.6km s-min=28.2km az=61.0

ISC 22 01:20:04.5-0.9, 50.07N-105.87E, 0.08, h10km, n16, r152/24, 12C-1D, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, AKAR Aktash, 0.25 5 ePg, P, 01 20 09.8 0.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, NVS Novosibirsk, 5.47 333 ePN, Pn, 01 21 27.6 -0.4

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, KURK Kurchatov, 5.77 280 P, Pn, 01 21 33.8 +1.5

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, CHKZ Chkalovo, 11.09 295 P, Pn, 01 22 44.3 -1.8

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, BRVK Borovoye, 11.18 292 P, Pn, 01 22 45.8 -1.5

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, KK31 Karatay Array, 13.64 246 P, Pn, 01 23 18.0 -2.2

IDC 22 01:38:41.6-1.4, 28.45N-54.14E, mb3.7/7, mb1 3.8/8, mb1mx3.7/18, ML3.6/1, Error ellipse: s-maj=38.5km

ISC 22 01:38:41.3-0.8, 28.28N-50.1, 54.0E, 0.1, h15km, n16, r113/18, mb3.6/7, Southern Iran

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, HASS Wahat al Ahsa', 4.96 232 P, Pn, 01 40 01.6 +4.4

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, BRVK Borovoye Array, 27.49 22 P, Pn, 01 44 28.5 -0.2

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, KMBR Kilima Mbogo, 33.41 212 P, Pn, 01 45 23.8 +2.2

NEIC 22 01:53:23.7-1.1, 3.95S-142.48E, h45km, mb4.2/1, Error ellipse: s-maj=53.7km s-min=14.5km az=112.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, PIAM Paiam, 1.69 158 P, Pn, 01 53 46.5 -0.3

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ASAR Alice Springs, 21.34 202 eP, P, 01 58 12.4 +5.4

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ASAR Alice Springs, 21.34 202 P, P, 01 58 08.5 +1.5

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, CMAR Chiang Mai Arr, 48.32 299 LR, LR, 02 21 08.3

Table with columns: YKA Yellowknife Arr, 99.38 27 P, P, 02 07 02.4 +1.2

MAN 22 02:11:02.2, 10.09N-125.74E, h19km, mb4.3, ML3.1, MS2.8, 1D, Leyte

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, SCPH Surigao, 0.40 219 P, Pn, 02 11 10.5 +0.1

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, SCPH Maasin, 0.87 273 eP, Pn, 02 11 18.8 +0.3

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, GUD Guadarrama, 5.56 359 P, Pn, 02 30 13.1 +1.1

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, GUD Tomar, 5.70 324 ePN, Pn, 02 30 14.1 +0.1

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, EIBI Ibiza, 5.86 46 P, Pn, 02 31 17.8 -1.4

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ERUA La Rua, 7.69 343 P, Pn, 02 30 41.5 -0.5

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ERUA Eirunepe, 7.99 342 P, Pn, 02 30 46.3 +0.1

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, EMEL Mellilla, 0.94 76 P, Pn, 02 29 04.6 -1.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ERON Sierra de Lija, 2.12 330 P, Pn, 02 29 54.1 +4.8

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, EBER Berja, 2.06 28 P, Pn, 02 29 21.4 -0.9

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ELUO Luque, 2.48 357 P, Pn, 02 29 30.7 +2.3

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, EQES Quesada, 2.84 16 P, Pn, 02 29 35.0 +1.5

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, EMIN Mina Concepcio, 3.41 323 P, Pn, 02 29 20.4 +0.5

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, EMUR La Murta, 3.58 39 P, Pn, 02 29 45.5 +1.5

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, EGRO El Granado, 3.69 313 P, Pn, 02 29 45.8 +0.3

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, EVIA Evora, 3.77 19 P, Pn, 02 29 50.0 +3.3

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ESDC Sonseca Array, 4.59 1 Pn, Pn, 02 29 58.8 +0.5

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ESDC Sonseca Array, 4.59 1 Pn, Pn, 02 30 49.7 -2.2

Table with columns: YKA Yellowknife Arr, 99.38 27 P, P, 02 07 02.4 +1.2

MAN 22 02:11:02.2, 10.09N-125.74E, h19km, mb4.3, ML3.1, MS2.8, 1D, Leyte

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, SCPH Surigao, 0.40 219 P, Pn, 02 11 10.5 +0.1

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, SCPH Maasin, 0.87 273 eP, Pn, 02 11 18.8 +0.3

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, GUD Guadarrama, 5.56 359 P, Pn, 02 30 13.1 +1.1

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, GUD Tomar, 5.70 324 ePN, Pn, 02 30 14.1 +0.1

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, EIBI Ibiza, 5.86 46 P, Pn, 02 31 17.8 -1.4

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ERUA La Rua, 7.69 343 P, Pn, 02 30 41.5 -0.5

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ERUA Eirunepe, 7.99 342 P, Pn, 02 30 46.3 +0.1

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, EMEL Mellilla, 0.94 76 P, Pn, 02 29 04.6 -1.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ERON Sierra de Lija, 2.12 330 P, Pn, 02 29 54.1 +4.8

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, EBER Berja, 2.06 28 P, Pn, 02 29 21.4 -0.9

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ELUO Luque, 2.48 357 P, Pn, 02 29 30.7 +2.3

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, EQES Quesada, 2.84 16 P, Pn, 02 29 35.0 +1.5

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, EMIN Mina Concepcio, 3.41 323 P, Pn, 02 29 20.4 +0.5

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, EMUR La Murta, 3.58 39 P, Pn, 02 29 45.5 +1.5

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, EGRO El Granado, 3.69 313 P, Pn, 02 29 45.8 +0.3

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, EVIA Evora, 3.77 19 P, Pn, 02 29 50.0 +3.3

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ESDC Sonseca Array, 4.59 1 Pn, Pn, 02 29 58.8 +0.5

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ESDC Sonseca Array, 4.59 1 Pn, Pn, 02 30 49.7 -2.2

THE 22 03:09:52.9, 38.33N-22.16E, h4km, ML2.8, NEIC 22 03:09:52.5, 38.31N-22.15E, h5km, MD3.1 (ATH), After ATH



Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PASO FLORES, NOVA FRIBURGO, GUARAPARI, OTAVALE, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BLACKSBURG, PROSPECTDALE, OXFORD, CORBIN, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like WMOK, ERPA, GENY, CARLSBAD, etc.



Table with columns: Station, Frequency, Power, and other technical details. Includes stations like TBI Tubuai, CTU Camp Tracy, and WCN Washoe City.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like WCN Washoe City, PAHR Pah Rah Range, and WCN Washoe City.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like LSZ Lusaka, LSZ Longmire, and LSZ Longmire.

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

NEIC 22:04:39:08.9.1.1, 23.175:64.36W, h44km, 10km, mb4.6/5, Error ellipse: s-maj=25.7km s-min=9.7km az=205.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like LVC Limon Verde, CPUP Villa Florida, LPAZ La Paz, etc.

IDC 22:04:39:08.7.2.0, 10.08S:79.18W, h36km, 6km, mb3.5/4, m-b1 3.9/4, mb1mx3.7/14, Error ellipse: s-maj=69.2km s-min=35.4km az=29.0, Off coast of Peru

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NVAR, YKA Yellowknife Arr, ESDC Sonseca Array, etc.

CASC 22:04:47:30.1.1.7, 13.85N:90.43W, h93km, 8km, MD3.5, ML3.3, 1C-3D, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IXC Ixpaco, PCG Pacaya, FUG Fuego 3, etc.

NEIC 22:05:18:03.2.35.04N:3.99W, h12km, MG4.1(MDD), After MDD

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MOE Castelo Branco, GUD Guadarrama, PLOU Loures, etc.

IDC 22:05:22:50.6.1.0, 9.74N:126.17E, mb3.9/8, mb1 4.1/8, mb1mx4.0/16, MS3.2/1, Ms1 3.2/1, ms1mx3.0/19, Error ellipse: s-maj=74.3km s-min=18.2km az=73.0

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

IDC 22:05:30:59.15.2.4, 64S:177.22W, mb3.8/6, mb1 4.1/7, mb1mx4.0/13, ML3.3/1, Error ellipse: s-maj=61.7km s-min=23.6km az=153.0

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

INMG 22:05:48:23.7.1.1, 38.53N:7.74W, h4km, 5km, ML1.1, Error ellipse: s-maj=2.9km s-min=2.4km az=80.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MOE Montemor, PBEJ Beja, EGRO El Granado, etc.

Table with columns: PTOM, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like Tomar, Sao Teotonio, PTECO, etc.

WEL 22 05:49:39.6:0.6,36.88Sx176.92E,h267km,6km,ML3.9/2, Error ellipse: s-maj=7.7km s-min=7.5km az=90.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like MZ, URZ, MWZ, etc.

IDC 22 06:23:24.9:1.0,23.40Sx64.67W,h18km,4km,mb3.6/6, mb1 3.9/9, mb1mx3.8/13, ML3.9/3, MS3.2/1, Ms1 3.2/1, ms1mx2.9/12, Error ellipse: s-maj=41.2km s-min=18.7km az=41.0

NEIC 22 06:23:26.1:0.7,23.32Sx64.55W,mb4.2/1, Error ellipse: s-maj=21.2km s-min=12.9km az=210.0

ISC 22 06:23:24.0:0.7,23.1Sx101.643W,0.1,220km, h20km,5km,pP,n19,0.6/9/16,mb3.7/7, Jujuy Province

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like LVC, CPUP, LPAZ, etc.

BUI 22 06:29:30.0,36.36N,134.60E,h347km,mb4.4 JMA 22 06:29:31.5:0.2,36.66N,134.83E,h388km,2km,M3.7 IDC 22 06:29:31.8:1.1,36.69N,134.77E,h374km,13km,mb3.1/9, mb1 3.4/13, mb1mx3.2/3, Error ellipse: s-maj=15.6km s-min=12.3km az=92.0

NEIC 22 06:29:32.0:0.5,36.65N,134.79E,h380km,6km,mb4.1/2, Error ellipse: s-maj=12.3km s-min=9.7km az=157.0

ISC 22 06:29:31.1:0.3,36.66N,134.89E,0.05,h387km,4km, n43,0.9/8/58,mb3.7/13, Sea of Japan

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like JKY, JKG, JKW, etc.

Table with columns: JMK, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like Ichinoseki, Wanjui Array Si, Asajikawa, etc.

IDC 22 06:41:25.5:2.8,23.84Sx175.64W,mb4.2/6,mb1 4.5/7, mb1mx4.2/13,ML4.2/1,MS3.6/1,Ms1 3.6/1,ms1mx3.3/13, Error ellipse: s-maj=162.0km s-min=26.3km az=161.0

ISC 22 06:41:28.2:1.1,24.3S,101.417S,6W,0.2,h33km,nB, s=148/8,mb4.16,MS3.6/1, South of Tonga Islands

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like RAR, URZ, CTA, etc.

CASC 22 07:29:29.1:1.4,13.18N,90.07W,h33km,24km,MD3.5, ML3.1,2C-5D, Near coast of Guatemala

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like SBLS, SNJE, RTR, etc.

IDC 22 07:57:55.4:1.9,7.17S,129.05E,h79km,15km,mb4.9/13, mb1 4.9/15, mb1mx4.9/17,MS3.8/Ms1 3.8/6, ms1mx3.6/18, Error ellipse: s-maj=23.3km s-min=12.4km az=75.0

BUI 22 07:57:59.0,7.30Sx129.33E,h146km,mb5.1,mb5.1 SYO 22 07:58:01.2,7.18Sx129.04E,h132km,MB4.8 NEIC 22 07:58:01.9:1.7,18S,129.04E,h132km,9km,mb4.8/19, Error ellipse: s-maj=8.8km s-min=5.2km az=59.0

MOS 22 07:58:10.3:1.0,7.02S,128.95E,h221km,mb4.9/10, Error ellipse: s-maj=42.3km s-min=13.3km az=111.5

DJA 22 07:58:12.3:0.9,8.29S,128.46E,h200km,mb5.5/3, Error ellipse: s-maj=26.3km s-min=14.0km az=146.0

ISC 22 07:57:54.1:1.5,7.21S,105.129.10E,0.05,h84km,14km, n184,0.19/119,mb5.1/48,17C-10D, Banda Sea

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like FITZ, KEDI, RATI, etc.

Table with columns: ASAR, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like Wau, Port Moresby, Port Moresby, etc.

Table of astronomical observations for 22d 9h, listing various objects like NVS, KKAR, SBA, BRVK, etc., with their coordinates and observation details.

Main table of astronomical observations for 2004 MAR, listing objects like AVF, BGF, LASF, TCF, CAF, RSSL, MTLF, MFF, LAZ, SDCO, ANMO, etc., with their coordinates and observation details.

Table of astronomical observations for 474, including a large section for 'NEIC 22 08:50:10.2-14.0, 19.46N-145.20E, mb3.6/4, mb1 3.7/4, mb1mx3.6/17, Error ellipse: s-maj=404.0km s-min=39.4km s-min=176.0, Mariana Islands' and other observations.



0.1mm, 0.5s, mb3.5, baz=298, slow=3.8, SNR=3.6

BUI 22 10:22:57.1, 19.02S:175.14W, h200km, mb5.1, mb5.0
SUO 22 10:22:58.8, 19.31S:175.72W, h197km, MB4.8
NEIC 22 10:22:58.8, 1.7, 19.31S:175.72W, h197km, 16km,
mb4.8/28, Error ellipse: s-maj=8.7km s-min=5.2km
az=158.0

IDC 22 10:23:01.9, 1.9, 19.60S:175.60W, h230km, 18km,
mb4.5/13, mb 1.4, 7.15, mb1mx4.6/17, Error ellipse:
s-maj=13.6km s-min=9.1km az=159.0
ISC 22 10:22:57.6, 1.9, 19.37S:175.69W, 0.05,
h197km, 17km, n137, 0.089/100, mb4.8/47, 16C-3D, Tonga

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include RAR, DZM, KUZ, PUZ, URZ, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include PAE, PPT, TIAR, TVO, WTZ, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include MCMT, CLNB, CPX, CHMT, BJT, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include WAR, PRU, NEIC, ISC, Poland, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include HAJU, MAN 22 10:54:48.4, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include DLBC, DLBC, YKA, INK, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include NIED 22 11:31:00, MOS 22 11:31:08, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include JAK, NEM2, JNB, JNK, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include ASAJ, ASAJ, ASAJ, KUR, etc.

Table with columns: WRA, ILAR, MKAR, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for Warramunga Arr, Eielson Array, and Makanchi Array.

IDC 22 12:09:55.2,0.5,36.84N,105.07W,mb4.4/13,mb1 4.5/18, mb1mx4.4/23,ML4.2/4,MS3.6/5,Ms1 3.6/5,ms1mx3.2/25, Error ellipse: s-maj=1.7km s-min=1.1km az=93.0

NEIC 22 12:09:56.5,0.2,36.86N,104.85W,h5km,mb4.4/3,MB4.4, Error ellipse: s-maj=4.0km s-min=2.9km az=210.0

NEIC Felt at Questa and Raton. Also felt at Trinidad, Colorado. BUI 22 12:09:56.5,37.56N,104.63W,h13km,mb4.7,mb4.3, Ms4.6,Ms24.4

ISC 22 12:09:54.4,0.2,36.89N,102.104.83W,0.03,h5km,n106, r121/125,mb4.4/15,MS3.8/4,New Mexico

Main table of seismic events with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists numerous stations like SDCO, ANMO, LPM, ISCO, BNM, LAZ, etc.

Table with columns: INK, ILAR, COLA, ROSC, OTAV, LPAZ, ARCES, FINES, BDFB, MOX, CPUP, GERES, CNZ, CHKZ, BRVK, WRA, ASAR. Includes station names and associated data.

IDC 22 12:22:11.8,1.2,24.41S,175.87W,mb4.5/8,mb1 4.7/10, mb1mx4.5/16,ML4.3/2,MS3.9/4,Ms1 3.9/4,ms1mx3.5/20, Error ellipse: s-maj=57.2km s-min=21.6km az=159.0

NEIC 22 12:22:18.3,0.7,24.47S,175.89W,h40km,mb4.9/3, Error ellipse: s-maj=22.8km s-min=14.0km az=139.0

BUI 22 12:22:18.3,24.50S,175.90W,h40km,mb4.9,mb4.7, ISC 22 12:22:15.2,0.7,24.79S,175.91W,0.2,h33km,n18, r150/16,mb4.6/10,MS4.0/3,South of Tonga Islands

IDC 22 12:22:11.8,1.2,24.41S,175.87W,mb4.5/8,mb1 4.7/10, mb1mx4.5/16,ML4.3/2,MS3.9/4,Ms1 3.9/4,ms1mx3.5/20, Error ellipse: s-maj=57.2km s-min=21.6km az=159.0

NEIC 22 12:22:18.3,0.7,24.47S,175.89W,h40km,mb4.9/3, Error ellipse: s-maj=22.8km s-min=14.0km az=139.0

BUI 22 12:22:18.3,24.50S,175.90W,h40km,mb4.9,mb4.7, ISC 22 12:22:15.2,0.7,24.79S,175.91W,0.2,h33km,n18, r150/16,mb4.6/10,MS4.0/3,South of Tonga Islands

Main table of seismic events with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists numerous stations like URZ, CTA, PMG, AS12, ASAR, WRA, YSS, NVAR, ENH, ILAR, CMAR, BKAR, HEL, BER, NAO, ISO, Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC.

Table with columns: KJN, MSF, MSF, KAF, OUL, OUL, FIAO, FIAO, FINES, FINES, FINES, KEF, KEF, SGF, SGF, ARCES, ARCES, ARCES, HFS, HFS, NOA, NOA. Includes station names and associated data.

TRN 22 14:52:50.5,12.67N,60.20W,h59km,MD3.4,MD3.5(FDF), 1C,Windward Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like SSV, SSV, SSV, SVB, SVB, GRCU, GRCU, MCLT, MCLT, SLPE, SLPE, SLB, SLB, SLTA, SLTA, GRW, GRW, TRP, TRP, MVM, MVM, BIM, BIM, CRM, CRM, FDF, FDF.

MAN 22 13:05:24.3,13.58N,120.29E,h34km,mb4.2,ML3.0, MS2.7,Mindoro

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like LUBP, LUBP, PGP, PGP, SJMP, SJMP, BOAC, BOAC, BUSP, BUSP, ENPP, ENPP, CUYO, CUYO.

IDC 22 13:46:45.6,2.9,31.12S,177.29W,mb3.9/2,mb1 4.1/3, mb1mx3.9/13,ML3.2/1, Error ellipse: s-maj=70.2km s-min=35.8km az=118.0, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like URZ, URZ, ASAR, ASAR, WRA, WRA, FINES, FINES.

NIC 22 14:44:31.1,1.1,0.35S,54N,74.26E,mpv3.7, Error ellipse: s-maj=26.1km s-min=8.6km az=70.0

NEIC 22 14:44:33.8,2.6,35.38N,74.19E,h80km, Error ellipse: s-maj=48.9km s-min=24.5km az=147.0

IDC 22 14:44:38.0,2.4,0.35,69N,74.29E,h101km,148km, mb3.3/5,mb1 3.4/8,mb1mx3.3/16,ML3.4/3, Error ellipse: s-maj=208.0km s-min=43.8km az=20.0

ISC 22 14:44:24.0,6.0,34.33N,104.75E,0.2,h33km,n25, r149/29,mb3.5/3,2C-1D,Eastern Kashmir

Main table of seismic events with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists numerous stations like DLH, DLH, THN, THN, THN, PONG, PONG, BHK, BHK, SDNR, SDNR, SDNR, SDNR, KK31, KK31, KOLN, KOLN, GKN, GKN, KKN, KKN, DMN, DMN, PKI, PKI, MKAR, MKAR, KURK, KURK, BVAR, BVAR, AB31, AB31, CHKZ, CHKZ, ZAL, ZAL, FINES, FINES, NOA, NOA, ILAR, ILAR, YKA, YKA.

0.2nm,0.5s,mb3.3,baz=348,slow=4.7,SNR=6.5  
YKA Yellowknife Ar 82.06 5 P P 14 56 46.5 +4.3

HLW 22 14:48:05.0,23.85N-35.13E,h7km,Mb3.5,1D,Egypt  
Code Station Name Az AZZ Phase ID Time Res h m s ISC

MOS 22 14:56:58.5,2.6,35.85N,70.62E,h97km,mb3.9/3,Error  
NNC 22 14:57:06.0,9.1,36.46N,70.03E,h69km,169km,mpv4.0,  
IDC 22 14:57:11.9,9.36,23N,71.27E,h193km,85km,mb3.2/6,  
ISIC 22 14:56:57.4,1.5,35.90N,0.087,1.1E,0.2,h92km,15km,  
n32,c1908/37,mb3.5/5,1C-3D,Pakistan

Code Station Name Az AZZ Phase ID Time Res h m s ISC  
THN Thein Dam 5.17 131 P P 14 58 15.3 +1.6  
DLH Dalhousie 5.25 128 eP P 14 58 14.0 -0.9  
AML Almayashu 6.55 17 P P 14 59 33.2 +0.4

Code Station Name Az AZZ Phase ID Time Res h m s ISC  
UCH Uchtor 6.86 22 P P 14 58 33.3 +1.2  
KZA Kyzart 6.97 26 P P 14 58 39.5 +0.8  
EK52 Erkin-Say 7.07 16 P P 14 58 40.3 +0.3  
KK31 Karatay Array 7.21 357 P P 14 58 40.7 -1.2

Code Station Name Az AZZ Phase ID Time Res h m s ISC  
AAK Ala-Archa 7.23 20 P P 14 58 42.8 +0.6  
CHMS Chumysh 7.64 21 P P 14 58 48.1 +0.4  
KOLN Koldanda 13.37 124 eP P 15 00 02.1 -2.3  
MK31 Makanchi Array 13.75 34 P P 15 00 17.6 +8.4

Code Station Name Az AZZ Phase ID Time Res h m s ISC  
FINES FINESS Array B 38.02 327 P P 15 04 08.9 +1.1  
ARCES ARCES Array B 41.73 338 P P 15 04 39.2 +1.0  
ARCES ARCES Array B 41.73 338 P P 15 04 39.2 +1.0

Code Station Name Az AZZ Phase ID Time Res h m s ISC  
NB2 NORSAR Subarra 44.90 323 P P 15 05 03.9 -0.2  
NOA NORSAR Array B 44.90 323 P P 15 05 04.5 +0.5  
NOA NORSAR Array B 44.90 323 P P 15 05 04.6 +0.5

Code Station Name Az AZZ Phase ID Time Res h m s ISC  
WRA Warramunga Arr 81.62 122 P P 15 09 08.2 +1.3  
YKA Yellowknife Ar 81.62 122 P P 15 09 07.3 +0.1

NEIC 22 14:59:08.1,38.61S-175.66E,h178km,After WEL,  
WEL 22 14:59:09.5,0.2,38.64S-175.70E,h164km,2km,ML3.9/6,  
7C-2D, Error ellipse: s-maj=1.6km s-min=1.3km az=90.0,

Code Station Name Az AZZ Phase ID Time Res h m s ISC  
WATZ Wairara 0.08 158 P P 14 59 31.5 -0.1  
MGZ Maungaku 0.39 199 P P 14 59 32.2 -0.2  
MGZ Maungaku 0.39 199 P P 14 59 32.2 -0.2

Puketiti 2.09 75 P P 14 59 45.9 -1.0  
KIWI Kapiti Island 2.30 195 P S 15 00 12.9 -2.8  
KIWI Kapiti Island 2.30 195 P S 14 59 47.5 -1.9

Code Station Name Az AZZ Phase ID Time Res h m s ISC  
CANNON Cannon Point 2.52 191 P P 14 59 47.7 -2.3  
CANNON Cannon Point 2.52 191 P P 14 59 49.8 -2.2  
MOUNT Mount Morrison 2.52 183 P P 14 59 49.7 -2.4

Code Station Name Az AZZ Phase ID Time Res h m s ISC  
FITZ Fitzroy Crossi 12.56 202 eP P 15 19 50.1 +0.3  
FITZ Fitzroy Crossi 12.56 202 eS P 15 22 07.5 +0.4  
FITZ Fitzroy Crossi 12.56 202 eP P 15 19 50.6 -0.2

Code Station Name Az AZZ Phase ID Time Res h m s ISC  
WRA Warramunga Arr 13.88 165 Pn P 15 20 07.6 +0.1  
WRA Warramunga Arr 13.88 165 Pn P 15 20 07.4 -0.1  
WRA Warramunga Arr 13.88 165 Pn P 15 20 07.4 -0.1

Code Station Name Az AZZ Phase ID Time Res h m s ISC  
AS12 Alice Springs 17.39 170 eS P 15 24 01.3 +5.4  
ASAR Alice Springs 17.39 170 P P 15 20 55.3 +5.0  
ASAR Alice Springs 17.39 170 P P 15 24 00.4 +4.5

Code Station Name Az AZZ Phase ID Time Res h m s ISC  
MUD Monsted U'grnd 1.59 215 iP Pn 15 35 54.5 -0.1  
KONO Kongsberg 2.00 342 eP Pn 15 36 27.7 +1.8  
SNART Snartemo 2.00 288 eP Pn 15 36 01.8 +1.1

Code Station Name Az AZZ Phase ID Time Res h m s ISC  
HFS Hagfors 2.81 31 Pn P 15 36 15.5 +3.3  
HFS Hagfors 2.81 31 Pn P 15 36 22.3 -0.1  
HFS Hagfors 2.81 31 Pn P 15 36 57.3

Code Station Name Az AZZ Phase ID Time Res h m s ISC  
HFS Hagfors 2.81 31 Pn P 15 36 15.5 +3.3  
HFS Hagfors 2.81 31 Pn P 15 36 22.3 -0.1  
HFS Hagfors 2.81 31 Pn P 15 36 57.3

Code Station Name Az AZZ Phase ID Time Res h m s ISC  
HFS Hagfors 2.81 31 Pn P 15 36 15.5 +3.3  
HFS Hagfors 2.81 31 Pn P 15 36 22.3 -0.1  
HFS Hagfors 2.81 31 Pn P 15 36 57.3

Code Station Name Az AZZ Phase ID Time Res h m s ISC  
HFS Hagfors 2.81 31 Pn P 15 36 15.5 +3.3  
HFS Hagfors 2.81 31 Pn P 15 36 22.3 -0.1  
HFS Hagfors 2.81 31 Pn P 15 36 57.3

ARCES ARCES Array B 13.44 23 Pn P 15 38 36.5 -2.9  
comp=2.0,1nm,0.3s,baz=212,slow=14,SNR=3.4

NEIC 22 16:00:51.3, 1.8, 4.60S:150.45E,h93km,19km, Error  
ellipse: s-maj=52.9km s-min=13.9km az=134.0  
IDC 22 16:00:53.1,4.7, 4.76S:150.73E,h119km,42km,mb3.4/4,  
mb1 3.6/6,mb1mx3.4/14, Error ellipse: s-maj=75.0km  
s-min=30.1km az=131.0

Code Station Name Az AZZ Phase ID Time Res h m s ISC  
KMBE Kimbe 1.03 200 iP P 16 01 10.3 -2.1  
RAB Rabaul 1.70 77 eP P 16 01 21.4 +1.0  
PMG Port Moresby 5.83 215 P P 16 02 17.7 +1.5

Code Station Name Az AZZ Phase ID Time Res h m s ISC  
WTA Charters Tower 1.96 195 P P 16 04 30.1 -0.6  
CRA Warramunga Arr 21.93 225 P P 16 05 37.2 +0.3  
ASAR Alice Springs 24.83 219 P P 16 06 04.3 -0.6

Code Station Name Az AZZ Phase ID Time Res h m s ISC  
QVPH Quezon City-P 0.96 96 iP P 16 27 54.1 0.0  
QVPH Quezon City-P 0.96 96 iS P 16 28 08.2 -0.7  
LUBP Lubang 1.02 170 eP P 16 27 55.1 +0.3

Code Station Name Az AZZ Phase ID Time Res h m s ISC  
SANTA Santa Cruz 1.03 351 eS P 16 28 10.7 +0.4  
PCPH Palayan 1.28 511 eP P 16 27 56.6 -1.3  
PCPH Palayan 1.28 511 eS P 16 28 13.1 -2.6

Code Station Name Az AZZ Phase ID Time Res h m s ISC  
WRA Warramunga Arr 37.22 157 P P 16 34 36.9 -1.6  
ASAR Alice Springs 40.51 160 P P 16 35 04.1 -1.5  
MKAR Makanchi Array 44.83 323 P P 16 35 43.0 +2.4

WAR 22 16:40:45.51,47N:16.11E,ML2.6,Mining Induced  
PRU 22 16:40:46.51,40N:16.08E  
ISIC 22 16:40:44.0,1.9,51.42N:0.08E,16.02E,0.07,n8,c095/13,  
Poland

Code Station Name Az AZZ Phase ID Time Res h m s ISC  
KSC Ksiaz 0.61 163 eP P 16 40 57.0 +0.9  
KSP Ksiaz 0.61 163 eS P 16 41 05.0 +0.9  
UPC Upice 0.92 180 eP P 16 41 03.1 +0.8

CASC 22 17:20:53.1, 1.2, 11.88N:86.68W,h73km,8km,MD3.9,  
ML3.7  
ISIC 22 17:20:52.8,0.5,11.85N:0.05E,86.70W,0.03,h73km,n25,  
c048/35,10C-7D,Near coast of Nicaragua

Code Station Name Az AZZ Phase ID Time Res h m s ISC  
SCPH Surigao 0.75 196 eP P 17 04 09.0 -0.8  
SCPH Surigao 0.75 196 eS P 17 05 00.3 -0.8  
MLSP Maasin 0.91 246 eP P 17 04 52.7 +0.3



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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VNA3, VNA2, VNA1, etc.

ISC 22 17:28:48.0-1.6,44.79N-0.05,-15.4E-0.1,h10km,n8,

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

ISC 22 19:16:52.3-3.3,33.5N-0.7,40.0W-0.3,h10km,n16,

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

ISC 22 19:33:53.0-1.6,54.21N-164.27W,h30km,4km,mb4.8/4.5,

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

WEL 22 18:51:52.0-1.38,29S-177.78E,h30km,1km,ML3.6/11,

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

ISC 22 19:30:29.0-2.4,25.52S-0.08,177.45W-0.07,

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

ISC 22 19:30:32.1-2.3,25.11S-177.57W,h150km,21km,mb4.7/7,

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

ISC 22 18:45:31.6-17.0,24.20S-179.51E,h490km,106km,

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

ISC 22 19:30:29.0-2.4,25.52S-0.08,177.45W-0.07,

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

ISC 22 19:30:32.1-2.3,25.11S-177.57W,h150km,21km,mb4.7/7,

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

CASC 22 18:57:24.4-1.8,13.36N-89.61W,h65km,10km,MD3.6,

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

ISC 22 19:30:29.0-2.4,25.52S-0.08,177.45W-0.07,

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

ISC 22 19:30:32.1-2.3,25.11S-177.57W,h150km,21km,mb4.7/7,

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

WAR 22 18:58:02.1,50.25N-18.90E,ML2.6,Mining Induced

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

ISC 22 18:58:01.3-0.6,50.30N-0.04,-18.81E-0.04,n16,±193/28,

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

ISC 22 19:30:32.1-2.3,25.11S-177.57W,h150km,21km,mb4.7/7,

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

Table with columns for station name, frequency, power, and other technical details. Includes stations like PGCS, OCWA, YKCA, YKA, etc.

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

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

NEIC 22:20:54:16.1, 42.25N, 7.83W, MN1.7(MDD), After MDD.
INMG 22:20:54:16.1, 42.23N, 7.81W, h13km, 41km, ML1.6,
Error ellipse: s-maj=3.1km s-min=2.0km az=113.0
MDD 22:20:54:16.0, 42.25N, 7.84W, mbLg1.7, Error ellipse:
s-maj=3.8km s-min=1.8km az=136.0, PRXIMO
ISC 22:20:54:14.7, 0.6, 42.24N, 0.04, 7.83W, 0.07, h10km, 9km,
n13, c0580/16, 1C, Spain

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Lobios, La Rua, Cabril, Incio, Zamans, Calabor, Braganca, Vila Real, Mazaricos, Pontenova, Viseu.

NEIC 22:20:54:59.6, 33.13S, 70.23W, h6km, ML2.4(GUC), After GUC.
GUC 22:20:54:59.6, 33.13S, 70.23W, h6km, 2km, MD3.6,
ML2.4, 2C, Chile-Argentina border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Farellones, Cerro Calan, Peldehue, Chadas Angosto, El Canelo, Papudo, Ciprores, Longovilo.

NIED 22:13:36:00, 24.80N, 121.80E, h5km, Mw4.1 Best double
couple: Mo1.71x10^15 NP1, 280, 888, 880, NP2, 305, 177,
delta 10, lambda 167.
TAP 22:13:36:52.9, 24.33N, 121.79E, h7km, ML3.9
TAP Felt I, J at Nanau, I, J at Suao, I, J at Nioudou, I, J at
Neicheng, I, J at Ilan, I, J at Hehuanshan, I, J at Tachien.
JMA 22:13:36:53.0, 24.79N, 121.78E, h35km, M3.5
ISC 22:13:36:53.4, 0.2, 24.34N, 0.01, 121.86E, 0.02, h7km, n58,
c110/93, 11C-7D, Taiwan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Nanau, Suao, Chiawan, Nioudou, Neicheng, Hualien, Sanguang, Hehuan Shan, Tachien, Shilin, Santiao Chiao, Mucha, Wufen Shan, Taipei, Nanjuang, Kuangyinshan, National Center, Danda, Hsinchu, Chenhua, Sun Moon Lake, Liyutan, Sanyi, Yuchr, Yonaguni jima, Taichung, Yuli, Mingjian, Wnt, Yushan, Alishan, Pengchayui, Tsaling, Chengkung, Gukeng.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Lidau, Minshuang, Taushan, Taoyuan, Chiayi, Ta-pu, Hsinying, Sshu, Nanshi, Pinang, Irifome-Funau, Jiashian, Yiju, Hateruma jima, Shinhua, Taimali, Sandimen, Kuro-shima, Shoushan, Anshuo, Dungi, Tarama.

IDC 22:13:37:21.9, 4.1, 6.73N, 72.98W, h161km, 28km, mb3.2/3,
mb1.3/7.4, mb1mx3.3/16, Error ellipse: s-maj=69.9km,
s-min=23.4km az=87.0

NEIC 22:13:37:22.6, 6.71N, 72.95W, h168km, 17km, Error
ellipse: s-maj=52.1km s-min=18.4km az=89.0

ISC 22:13:37:21.2, 3.9, 6.7N, 0.4, 72.9W, 0.6, h173km, 37km, n9,
c0563/8, mb3.5/3, Northern Colombia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ROSC El Rosal, ROSC, OTAV Otavalo, TXAR Lajitas Array, ULM Lac du Bonnet, PDR Pinedale Array, YKA Yellowknife Ar, ASAR Alice Springs, WRA Warrungarra Arr.

NEIC 22:22:00:41.4, 32.29S, 71.80W, h21km, ML2.5(GUC), After GUC.
GUC 22:22:00:41.4, 32.29S, 71.80W, h21km, 9km, MD3.5,
ML2.5, 2C-1D, Near coast of central Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PACH Papudo, ROCHI El Roble, JACH Jahuel, LCCH Las Cruces, TACH Talagante, FCH Farellones, CHCH Chadas Angosto, TLL Tololo Astrono.

IDC 22:22:28:24.2, 2.4, 9.63S, 112.65E, mb3.6/4, mb1.3/9/5,
mb1mx3.7/12, ML3.2/1, Error ellipse: s-maj=126.0km,
s-min=20.7km az=47.0, South of Jawa

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like FITZ Fitzroy Crossi, WRA Warrungarra Arr, ASAR Alice Springs, MKAR Makanchi Array, ZAL Zalesovo.

IDC 22:22:41:32.4, 1.6, 19.92N, 97.67E, mb3.5/2, mb1.3/6/2,
mb1mx3.4/13, Error ellipse: s-maj=21.0km s-min=15.1km
az=60.0

ISC 22:22:41:35.7, 0.8, 20.4N, 0.1, 98.2E, 0.2, h33km, n8,
c135/16, mb3.4/2, Myanmar

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CHG Chiang Mai, CMAR Chiang Mai Arr, CMAR, BDT Bhumibol Dam, NST Nakhon Sawan, NKST Khon Kaen, SHL Shillong, MKAR Makanchi Array, ASAR Alice Springs.

NIED 22:22:44:00, 43.20N, 147.00E, h2km, Mw3.8 Best double
couple: Mo4.9x10^14 NP1, 251, 846, lambda=81, NP2, 259,
845, lambda=99.

MOS 22:44:25.3, 1.6, 43.17N, 146.93E, h60km, mb4.2/1, Error
ellipse: s-maj=24.9km s-min=13.1km az=106.7

JMA 22:44:27.0, 0.2, 43.19N, 147.02E, h57km, 3km, M3.8
NEIC 22:44:27.5, 0.7, 43.14N, 146.78E, h60km, mb3.9/1, Error
ellipse: s-maj=24.5km s-min=18.0km az=103.0

IDC 22:22:44:31.1, 3.6, 43.15N, 146.74E, h92km, mb3.3/3/9,
mb1.3/5/10, mb1mx3.4/20, Error ellipse: s-maj=27.3km,
s-min=18.7km az=101.0

ISC 22:22:44:25.8, 1.1, 43.25N, 0.07, 147.03E, 0.09, h61km, 9km,
n30, c0582/39, mb3.6/9, 1C, Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Nemuro 2, Yuzh-Kuril'sk, Nemuro 2, Yuzh-Kuril'sk, Nemuro 2, Yuzh-Kuril'sk, Nemuro 2, Yuzh-Kuril'sk.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Ashorobuto, Churui, Maruseppu, Kamakawa 2, Furan, Asahikawa, Asahikawa, Asahikawa, Biratori 2, Yuzh-Sakhalins, Elselun Array, Makanchi Array, Yellowknife Ar, Warrungarra Arr, FINESS Array, Alice Springs, NORSAR Subarra, NORSAR Subarra.

NORSAR Arr 70.03 339 P P 22 55 17.9 +1.1
ASAJ Asahikawa 3.33 287 P P 22 55 18.1 +1.3

NOA NORSAR Arr 70.03 339 P P 22 55 32.7 +0.2
HFS Hagfors 70.11 337 P P 22 55 32.0 -0.9

TXAR Lajitas Array 83.00 56 P P 22 56 46.0 +0.3

CASC 22:22:59:36.6, 2.4, 8.08N, 82.74W, h17km, 6km, MD3.9,
3C-3D, Panama-Costa Rica border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PTP1 Petroterminal, DVD David, ACR Cerro Adams, CNI Changuinilo, BUS Buena Vista, URSC Urasca, ICR Volcan Irazu, PRS1 Puriscal, AZU Azuero, VPS2 Volcan Poas 2, CGA2 Cerro Gallo 2, TRTC Tortuguero, ACH Altos, FORC Fortuna, UPA Univ. de Panam.

MOS 22:23:00:28.8, 0.9, 46.80N, 142.62E, h300km, mb4.2/2, Error
ellipse: s-maj=32.1km s-min=23.4km az=93.3

NEIC 22:23:00:30.4, 1.9, 46.20N, 142.85E, h335km, 20km, mb3.8/2,
Error ellipse: s-maj=16.4km s-min=12.6km az=148.0

SKHL 22:23:00:30.0, 0.5, 46.06N, 142.84E, h340km, 29km, mb4.1/4,
msh4.2/2

BUI 22:23:00:30.7, 46.34N, 142.88E, h346km, mb3.9, mb4.2
IDC 22:23:00:30.8, 0.7, 46.20N, 142.87E, h340km, 9km, mb3.2/12,
SK 3/4/13, mb1mx3.2/22, Error ellipse: s-maj=16.5km,
s-min=13.3km az=153.0

JMA 22:23:00:31.0, 0.3, 45.97N, 143.01E, h352km, 2km, M3.8
ISC 22:23:00:32.0, 0.4, 46.05N, 0.08, 142.91E, 0.09, h351km, 5km,
n36, c102/46, mb3.4/13, 1C, Sakhalin Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Yuzh-Sakhalins, Nemuro 2, Kamakawa 2, Ashorobuto, Akkeshi, Nemuro 2, Churui.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like JCH, JKB, JOM, JOI, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like PTP1, DVD, DWD, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like NEIC 22 23:08:26.8, 39.72N-21.13E, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like IDC 22 23:09:18.7, 1.2, 6.82S, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like IDC 22 23:19:37.2, 1.6, 8.2S, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like IDC 22 23:26:17.4, 1.6, 26.41N, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like IDC 22 23:34:42.0, 1.6, 1.21N, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like IDC 22 23:46:50.7, 1.0, 18.92N, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like DJA 22 23:51:04.7, 0.9, 8.26S, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like IDC 22 23:56:54.2, 3.2, 23.15S, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like IDC 22 23:56:57.0, 7.0, 18.79N, etc.

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

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like ECX 23 00:01:06.7, 0.3, 29.59N, etc.

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

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like MAN 23 00:27:57.2, 17.98N, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like GUC 23 00:34:23.9, 0.7, 32.66S, etc.







Table with columns: Station Name, Code, Value, Error, Unit, Time, Res.

DJA 23 04:29:31.5, 0.9, 7.68S; 103.24E, h33km, MD5.1/4, ML6.8/3, Error ellipse: s-maj=31.0km s-min=5.5km az=37.0

BUJ 23 04:29:45.9, 6.31S; 104.28E, h105km, mB5.3, mb5.0 IDC 23 04:29:45.6, 0.7, 5.87S; 104.42E, h47km, 5km, mb4.8/17, mb1 4.8/17, mb1mx4.8/19, MS4.4/13, Ms1 4.4/13, ms1mx4.3/18, Error ellipse: s-maj=20.6km s-min=9.5km az=48.0

SYO 23 04:29:49.6, 5.80S; 104.53E, h78km, MB5.1 NEIC 23 04:29:49.7, 1.1, 5.80S; 104.53E, h78km, 8km, mb5.1/21, Error ellipse: s-maj=11.3km s-min=5.3km az=55.0 HRVD 23 04:29:49.7, 0.3, 6.31S; 104.42E, h63km, 1km, MW5.2/62, Centroid moment Tensor Solution. LP body waves: s51,c77; Mantle waves: s62,c95; Half duration: 150 Moment tensor: Scale 1016Nm; Mw: 6.28; 21; Mw=5.04; 19; Mw=1.24; 25; Mw=2.03; 12; Mw=3.74; 15; Mw=1.01; 16; Best double couple: M7.18x10^16 NP1: o304, o366, l333; NP2: o120, o54, l388; Principal axes: T: 6.65, P: 9.61, Azim 119; Azim 19: N: 1.05, P: 2.2, Azim 121; P: 7.7, P: 9.61, Azim 211; nst1 refers to body waves, cutoff=40s, nst2 refers to surface waves, cutoff=50s

MOS 23 04:30:01.2, 0.8, 4.24S; 104.23E, h129km, mb5.2/21 Error ellipse: s-maj=23.6km s-min=8.8km az=112.5

ISC 23 04:29:45.7, 0.8, 5.73S; 105.05E; 104.49E; 0.04, h60km, 6km, h53km, 3.2km; pP-P, n243, s109/182, mb5.2/77, MS4.5/21, 23C-17D, Southern Sumatra

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

Main table with columns: Station Name, Code, Value, Error, Unit, Time, Res.

Main table with columns: Station Name, Code, Value, Error, Unit, Time, Res.





NEIC 23 06:17:50.5,0.8,0.42N,67.16E,h10km,mb4.4/1, Error ellipse: s-maj=21.1km s-min=16.7km az=155.0

ISC 23 06:17:49.0,0.9,0.5N,0.1,67.2E,0.1,h10km,n18,c,0593/9, mb4.0/5,MS3.8/8,Carlsberg Ridge

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like PALK, KIMBO, CMAR, etc.

ISC 23 06:18.1,2.2,5.65S:-152.07E,mb3.8/4,mb1 4.1/5, mb1mx3.9/13,ML2.9/1, Error ellipse: s-maj=125.0km s-min=26.2km az=131.0

ISC 23 06:26.22,2.2,5.65S:-151.8E,0.8,h33km,n5,c0535/5, mb3.7/4, New Britain region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like PMG, WRA, ASAR, etc.

ISC 23 06:19:59.4,3.4,5.6,18S:26.82W,h69km,26km,mb4.5/7, mb1 4.6/7,mb1mx4.4/11,MS3.8/8,M1 3.8/8,ms1mx3.8/8, Error ellipse: s-maj=35.3km s-min=19.0km az=61.0

SYO 23 06:20:00.0,1.7,6.19S:-27.00W,h78km,MS4.9, NEIC 23 06:20:00.0,1.7,6.19S:-27.00W,h78km,15km,mb4.9/7, Error ellipse: s-maj=12.8km s-min=6.7km az=222.0

BJJ 23 06:20:00.0,56.20S:-27.00W,h77km,mb5.2,Ms5.3, Ms2.5

HRVD 23 06:20:00.0,1.1,56.17S:-26.35W,h42km,30m,MW4.8/22, Centroid moment Tensor Solution. LP body waves: s12,c14;Mantle waves: s22,c28; Half duration: 0 Moment tensor: Scale 10^16Nm; Mir:1.74;2n; Maa:0.66;24; Maa-1.08;19; Maa0.64;23; Maa1.21;15; Maa0.31;13; Best double couple: Mo:2.07x10^16 Np1:0.341;847;lambda121\*

NP2:0.119;852;A61\* Principal axes: T:2.03, P:0.68\*, Azm:326\*; N:0.98, P:1g22\*, Azm:138\*; P:2.11, P:1g3\*, Azm:226\*; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 23 06:19:56.3,2.9,56.11S:-07.27W,0.2,0.4,h53km,28km, n58,c1916/30,mb4.9/13,MS3.8/9,2C-4D,South Sandwich Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like VNA1, VNA3, SNA, etc.

CPUP Villa Florida 36.91 311 P 06 27 01.9 +0.2

CPUP Villa Florida 36.91 311 P 06 27 01.4 -0.2

MAW Mawson 40.05 143 LR 06 44 04.0

BDFB Brasilia 43.46 330 P 06 27 57.1 +1.4

BDFB Limon Verde 45.40 300 P 06 28 12.1 +0.8

VNDA Vanda 45.52 183 P 06 28 19.3 -0.2

VNDA Vanda 46.52 183 P 06 28 18.7 -0.7

LPAZ La Paz 50.48 305 P 06 28 52.3 +1.4

LPAZ La Paz 50.48 305 P 06 28 51.0 +0.5

LPAZ La Paz 50.48 305 P 06 28 51.5 +0.6

LSZ Lusaka 58.32 69 P 06 29 50.1 +2.0

LIC Lamto 64.72 24 P 06 30 30.0 -1.2

KIC Kosiou Boka 64.92 25 P 06 30 31.7 -0.8

TIC Toumoudi 65.13 24 P 06 30 32.5 -1.3

OTAV Otavalo 69.75 304 P 06 31 03.6 +0.8

ROSC El Rosal 72.00 310 P 06 31 17.2 +0.9

ROSC Rosco 72.00 310 P 07 01 17.8

TEIG Tepich 91.81 305 P 06 33 00.1 +0.5

ASAR Alice Springs 98.91 162 P 06 33 00.9 -0.8

ASAR comp=Z,77nm,18.6s,MS4.2,baz=270,slow=34

ULM Lac du Bonnet 120.35 316 PKP PKPdf 06 38 40.0 -0.9

PDAR Piedra Alta 120.44 302 PKP PKPdf 06 38 41.0 -0.4

HVUT Hardware Ranch 120.50 300 ePKP PKPdf 06 38 42.0 +0.5

NWAR Mina Araya Bay 121.49 293 PKP PKPdf 06 38 45.1 +1.6

FINES FINESS Array B 124.40 28 PKP PKPdf 06 38 48.5 0.0

CMAR Chiang Mai Arr 124.97 110 PKP PKPdf 06 38 51.0 +0.4

KAF Kangasniemi 125.00 321 ePKP PKPdf 06 38 48.8 -0.7

JOF Joensuu 127.02 29 ePKP PKPdf 06 38 52.7 -0.6

ARCES ARCESS Array B 130.97 22 PKP PKPdf 06 39 01.1 +0.4

BVAR Borovoye Array 134.75 57 PKP PKPdf 06 39 08.6 +0.4

CHZK Chkalovo 135.26 57 ePKP PKPdf 06 39 05.9 +0.4

YKA Yellowknife Ar 136.27 318 PKHkP PKPdf 06 39 00.8

YKA comp=Z,0.4nm,0.8s,baz=124,slow=3.5,SNR=4.1

YKA comp=Z,1.2nm,0.4s,baz=127,slow=3.5,SNR=5.5

YKA comp=Z,2.1nm,1.0s,baz=116,slow=6.6,SNR=6.4

YKA comp=Z,0.6nm,0.9s,baz=126,slow=2.8,SNR=3.8

YKA Yellowknife Ar 136.27 318 PKP PKPdf 06 39 10.7 0.0

MKAR Makanchi Array 136.83 71 PKHkP PKPdf 06 39 12.2 0.0

INIK Inuvik 145.90 321 PKP PKPdf 06 39 29.6 +1.2

INIK comp=Z,18nm,0.8s,baz=84,slow=3.2,SNR=93

DAWY Dawson 146.89 312 ePKP PKPdf 06 39 32.2 +0.9

DIK Cordova Ski Ar 148.55 304 ePKP PKPdf 06 39 36.9 +4.9

EYAK Divide 148.75 305 ePKP PKPdf 06 39 38.0 +5.6

SML Sawmill 150.13 305 ePKP PKPdf 06 39 40.9 +6.4

ILAR Eielson Array 150.22 312 PKP PKPdf 06 39 32.7 -1.8

ILAR comp=Z,0.4nm,0.7s,baz=251,slow=1.0,SNR=9.3

COLA College 150.64 312 ePKP PKPdf 06 39 41.4 +6.2

PIB Fire Island 150.80 304 ePKP PKPdf 06 39 42.8 +7.2

MCK McKinley 150.87 309 ePKP PKPdf 06 39 42.8 +7.2

ULN Ulanbator 151.04 87 ePKP PKPdf 06 39 42.0 +5.7

BJJ Beijing 151.08 108 PKP PKPdf 06 39 42.0 +5.4

SPO Mount Spurr 151.68 303 ePKP PKPdf 06 39 44.1 +7.2

RSO Redoubt Array 151.83 302 PKP PKPdf 06 39 44.3 +7.2

CNZ Changchun 158.61 114 eFKP PKPdf 06 39 44.8 -1.9

ISC 23 06:29:58.3,1.5,6.53N:-127.72E,mb3.9/5,mb1 4.1/5, mb1mx4.0/14, Error ellipse: s-maj=136.0km s-min=21.9km az=69.0

ISC 23 06:30.0,2.3,6.6N:0.2,-128.3E,0.4,h58km,29km,n7,c0114/9,mb3.9/5,1C,East of Philippine Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like BIPH, SCPH, WRA, etc.

ISC 23 06:52:13.2,38.67N:30.84E,h5km,MD3.5

ISC 23 06:52:13.8,0.5,38.68N:0.03,30.83E,0.05,h5km,n21,c0855/30,C,Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like ALT, ESKT, KHL, etc.

BEQ 23 07:01:29.8,0.3,43.46N:19.49E,h16km,1km

NEIC 23 07:01:30.8,43.47N:19.49E,h4km,MD2.2(PDG),After PDG

PDG 23 07:01:30.8,0.1,43.47N:19.49E,h4km

ISC 23 07:01:29.8,0.6,43.50N:0.03,19.48E,0.05,h16km,n12,c0777/24,6C-3D,Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like NVSS, PLE, UPM, etc.

ISC 23 07:09:48.7,1.8,4.67S:-126.63E,mb3.6/2,mb1 3.8/3, mb1mx3.7/11,ML3.1/1, Error ellipse: s-maj=151.0km s-min=27.9km az=64.0, Banda Sea

WRA Warramunga Arr 16.94 154 Ph 07 14 35.3 -3.6

ASAR Alice Springs 20.15 160 P 07 14 25.7 -1.8

MKAR Makanchi Array 64.46 328 P 07 20 27.1 -2.3

ISC 23 07:17:25.6,4.1,6.60S:-101.11E,mb3.6/4,mb1 3.8/4, mb1mx3.7/11, Error ellipse: s-maj=168.0km s-min=22.9km az=54.0, Southeast of Sumatra

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like CMAR, WRA, ASAR, etc.

TRN 23 07:35:26.6,16.71N:-60.78W,h23km,MD3.5,M3.1(DFD), MD3.3(DFD),2C-2D,Leeward Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like DEG, MGG, BFA, etc.

SKHL 23 07:42:41.2,20.2,49.81N:-129.92E,h10km,mb3.5/4, Priamurye-Northeastern China border region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like KLR, YASR, EKMR, etc.

GUC 23 07:57:50.2,0.8,34.64S:-72.30W,h2km,18km,MD3.5, ML2.8, Near coast of central Chile

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like TALC, LNV, etc.

ISC 23 08:12:24.7,14.0,28.06N:-56.55E,mb3.7/6,mb1 3.8/6, mb1mx3.6/18, Error ellipse: s-maj=278.0km s-min=37.2km az=178.0, Southern Iran

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like BVAR, MKAR, ZAL, etc.

NNC 23 08:17:44.9,1.9,38.82N:73.33E,h174km,143km,mpv3.9, Error ellipse: s-maj=113.3km s-min=71.7km az=158.0

ISC 23 08:17:32.4,1.2,37.94N:0.06,72.6E,0.2,h150km,n18,c1923/22,1C-2D,Tajikistan

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like AML, UCH, KZA, etc.

Table with columns: SDNR, Sundarnagar, 7.38 149 eP, P, 08 19 22.9 +4.4, etc.

BUI 23 08:23:47.4, 13.90N, 145.30E, h35km, mb5.0, mb4.8, Ms4.6, Ms24.1

NEIC 23 08:23:48.5, 0.2, 13.93N, 145.25E, mb4.9/14, Error ellipse: s-maj=8.1km s-min=5.3km az=109.0

NEIC Fall on Guam, IDC 23 08:23:48.3, 0.7, 14.05N, 145.35E, h37km, mb5.6km, mb4.3/20, mb1 4.5/20, mb1mx4.4/23, MS3.6/Ms1 3.7/8, ms1mx3.5/22, Error ellipse: s-maj=17.1km s-min=13.4km az=99.0

ISC 23 08:23:48.0, 0.6, 13.94N, 145.15E, 0.07, h45km, 5km, h40km, 2.6km, pP-P, 7.8N, 0.690/74, mb4.7/33, MS3.6/8, 5C, Mariana Islands

Main table for the left column containing station data for Guam, Saipan, Anatahan, etc.

Table with columns: MCMT, McKenzie Canyo, 88.60 44 eP, P, 08 36 37.7 +0.2, etc.

NEIC 23 08:39:17.8, 1.3, 19.87N, 109.70W, h10km, mb4.2/2, Error ellipse: s-maj=27.5km s-min=15.9km az=54.0

IDC 23 08:39:21.6, 1.6, 20.54N, 109.73W, mb3.6/5, mb1 4.0/7, mb1mx3.9/18, ML3.4/2, MS3.7/3, Ms1 3.8/3, ms1mx3.3/16, Error ellipse: s-maj=53.6km s-min=29.9km az=107.0

ISC 23 08:39:16.5, 1.5, 19.89N, 109.50W, 0.2, h10km, n17, 0.136/12, mb3.8/6, MS3.9/2, Revilla Gigedo Islands region

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

IDC 23 08:58:10.9, 1.2, 34.69N, 30.85E, mb3.9/10, mb1 4.1/14, mb1mx4.0/21, ML4.2/4, MS2.7/1, Ms1 2.7/1, ms1mx2.4/22, Error ellipse: s-maj=30.6km s-min=16.2km az=30.0

MOS 23 08:58:13.9, 0.7, 34.68N, 31.05E, h10km, mb4.4/8, Error ellipse: s-maj=17.7km s-min=8.8km az=125.2

ISK 23 08:58:14.5, 3.4, 60N, 30.95E, h27km, MD4.3, NEIC 23 08:58:16.2, 0.2, 34.58N, 30.95E, h40km, mb4.2/8, Error ellipse: s-maj=5.2km s-min=2.7km az=203.0

NIC 23 08:58:17.6, 0.3, 34.56N, 31.00E, h25km, mb4.2, ML3.9, MW3.7

DUSS 23 08:58:17.6, 0.3, 34.20N, 30.93E, h15km, ML4.7, GRAL 23 08:58:23.1, 2.8, 30.92N, 37.45E, NSSC 23 08:58:34.0, 34.71N, 32.58E, h40km, ATH 23 08:58:37.3, 35.24N, 28.99E, h42km, MD3.6/5

ISC 23 08:58:14.2, 0.3, 34.49N, 0.02, 30.92E, 0.02, h40km, 4km, n137, 0.1908/173, mb4.0/18, 17D, Eastern Mediterranean Sea

Main table for the middle column containing station data for Paphos, Akamas, etc.

Table with columns: XRY, Khrisi, 4.32 277 eP, P, 08 59 20.0 +9.9, etc.

NEIC 23 08:39:17.8, 1.3, 19.87N, 109.70W, h10km, mb4.2/2, Error ellipse: s-maj=27.5km s-min=15.9km az=54.0

IDC 23 08:39:21.6, 1.6, 20.54N, 109.73W, mb3.6/5, mb1 4.0/7, mb1mx3.9/18, ML3.4/2, MS3.7/3, Ms1 3.8/3, ms1mx3.3/16, Error ellipse: s-maj=53.6km s-min=29.9km az=107.0

ISC 23 08:39:16.5, 1.5, 19.89N, 109.50W, 0.2, h10km, n17, 0.136/12, mb3.8/6, MS3.9/2, Revilla Gigedo Islands region

Main table for the right column containing station data for Khrisi, Keshet, etc.

23c 12h

Table with columns: LIC, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like Lamto, Dangsing, Gorkha, etc.

WEL 23 09:10:02.5-0.3, 38.50Sx175.99E, h153km, 2km, ML3.5/4, 4C-2D, Error ellipse: s-maj=2.0km s-min=1.8km az=0.0,

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

IDC 23 09:22:48.01.5.0.19N-87.52E, mb3.2/1, mb1 3.5/4, mb1mx3.4/18, ML3.1/3, Error ellipse: s-maj=20.9km s-min=9.9km az=103.0

NNC 23 09:22:51.5-3.6, 49.98N-87.35E, h11km, 20km, mpv3.2, Error ellipse: s-maj=31.6km s-min=18.4km az=74.0

ISC 23 09:22:50.8-1.9, 50.18N-0.06-87.3E-0.2, h10km, n6, #063/11, mb3.0/1, 4C-2D, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like Zalesovo, MK31, MKAR, etc.

TAP 23 09:44:36.8, 23.04N-120.18E, h14km, ML3.6 TAP Feit III J at Yungking, II J at Jiali, III J at Tainan. ISC 23 09:44:37.5-0.5, 23.03N-0.02-120.16E-0.03, h12km, 2km, n37, #086/62, 5C, Taiwan

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like Yung-k'ang, TAI1, SCLT, etc.

2004 MAR

Table with columns: ELDOTW, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like Taimali, Pinlang, Anshuo, etc.

IDC 23 09:53:34.8-3.5, 4.06S-143.67E, mb3.2/2, mb1 3.5/3, mb1mx3.4/11, ML3.4/1, MS3.0/1, Ms1 3.0/1, ms1mx2.8/4, Error ellipse: s-maj=108.0km s-min=31.0km az=96.0,

New Guinea

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

MAN 23 10:25:55.9, 8.99N-126.26E, h32km, mb4.2, ML3.0, MS2.7, 1C, Mindanao

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

IDC 23 10:55:58.1-1.7, 6.80S-64.95W, mb3.6/2, mb1 4.0/4, mb1mx3.8/15, ML4.0/2, Error ellipse: s-maj=54.1km s-min=30.8km az=25.0

NEIC 23 10:56:02.4-0.9, 16.93S-65.04W, h30km, Error ellipse: s-maj=18.8km s-min=12.5km az=50.0

ISC 23 10:56:00.8-1.1, 17.0S-0.1-64.9W-0.1, h33km, n6, #073/7, mb3.5/2, Central Bolivia

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

MAN 23 11:02:31.9, 15.69N-121.71E, h2km, mb4.3, ML3.1, MS2.9, 1C, Luzon

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

ISK 23 11:16:50.8, 37.66N-35.84E, h10km, MD3.5, Turkey

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

IGQ 23 11:20:02.1, 3.30S-77.24W, h12km, 18km, mb4.1, 4C-4D, Error ellipse: s-maj=17.9km s-min=6.4km az=68.0,

Peru-Ecuador border region

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

IDC 23 11:49:51.4, 3.2, 32.31S-178.21W, mb3.7/2, mb1 4.0/3, mb1mx3.7/14, ML3.4/1, Error ellipse: s-maj=72.5km s-min=36.9km az=113.0, South of Kermadec Islands

490

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

NIED 23 11:56:00.24, 10N-126.10E, h11km, Mw4.2 Best double couple: Ms2.42x10^15 NP1.9a45°, 866°, 1.78°. NP2.9a254°, 825°, 1.17°

IDC 23 11:56:53.9, 0.6, 24.13N-125.97E, mb3.9/12, mb4.1/13, mb1mx4.0/20, ML3.8/1, MS3.6/2, Ms1 3.6/2, ms1mx3.0/21, Error ellipse: s-maj=28.1km s-min=14.4km az=82.0

BUI 23 11:56:54.8, 24.03N-126.65E, h59km, mb4.6, mb4.1, Ms4.3, Ms2.4

JMA 23 11:56:56.0, 0.1, 24.07N-126.07E, h65km, 4km, M4.0

NEIC 23 11:56:58.7, 3.6, 24.13N-126.09E, h33km, 26km, M4.1/2, Error ellipse: s-maj=13.6km s-min=9.4km az=69.0

ISC 23 11:56:58.4, 0.5, 24.26N-0.04, 126.01E-0.3, h65km, n36, #1942/51, mb3.8/12, Ryukyu Islands

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

ASAJ 23 12:02:10.8, 24.01, 30P, 8.3nm, 1.0s, mb4.0, baz=240, slow=8.0, SNR=6.3

MKAR 23 12:04:42.0, 22.2, 1.9nm, 0.5s, mb4.2, baz=101, slow=101, SNR=21

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MKAR 23 12:04:42.0, 22.2, 0.4nm, 0.5s, baz=101, slow=7.3, SNR=5.2

MCS.  
 IDC 23 12:38:30.0, 8.43, 41N, 19.71E, mb4.1/11, mb1 4.2/20,  
 mb1mx4.2/26, ML3.7/9, MS3.5/11, Ms1 3.5/11,  
 ms1mx3.3/25, Error ellipse: s-maj=13.6km s-min=9.3km  
 az=21.0  
 TIR 23 12:38:30.8, 43.17N, 19.59E, h5km, M4.2  
 NEIC 23 12:38:30.5, 43.29N, 19.73E, h3km, ML4.8(BUD),  
 ML4.1(PDG), After PDG.  
 NEIC Felt [V] in northern Montenegro and [III] at Podgorica.  
 ISC 23 12:38:28.7, 0.3, 43.33N, 0.01, 19.65E, 0.02, h5km, 2km,  
 n185, e1927/266, mb4.0/11, MS3.8/7, 35C-8D,  
 Northwestern Balkan Peninsula

comp=N,2.2nm,0.3s,baz=174,slow=22,SNR=2.2  
 JMB Yambol 5.17 97 P Pn 12 39 47.5 -1.1  
 ZST Bratislava 5.18 341 ePN Pn 12 39 47.9 -1.0  
 ZST 5.20 141 eSN Pn 12 40 45.6 -4.3  
 JCS JCS 5.24 141 ePN Pn 12 39 59.0 +3.3  
 ISR Istria 5.27 681/P Pn 12 39 59.0 +0.1  
 ISR Istria 5.27 681/P Pn 12 39 59.0 -0.1  
 KOLL Kolacno 5.32 551 ePN Pn 12 39 50.5 -0.3  
 KOLL 5.32 551 eSN Pn 12 40 50.2 -3.2  
 ALN Alexandroupoli 5.34 115 eP Pn 12 39 50.9 -0.2  
 ALN 5.34 115 eS Pn 12 39 57.2 -5.7  
 VKA Vienna 5.46 336 / (PN) Pn 12 39 56.3 +3.6  
 VKA 5.46 336 / (PN) Pn 12 40 57.0 +0.2  
 KBA Koelnbreinsper 5.82 312 / (PN) Pn 12 39 58.7 +0.9  
 KBA 5.82 312 / (PN) Pn 12 41 06.0 +0.1  
 MOA Molin 5.89 322 / (PN) Pn 12 39 59.5 +0.8  
 MOA 5.89 322 / (PN) Pn 12 41 03.0 -0.6  
 NIE Niedzica 6.11 411 ePN Pn 12 40 02.5 +0.6  
 NIE 12 42 02.6  
 HARR Harsova 6.13 74 / (P) Pn 12 40 00.5 -1.7  
 HARR Harsova 6.13 74 / (P) Pn 12 40 00.4 -1.8  
 VRAC 6.34 342 Pn 12 40 04.1 -1.2  
 VRAC comp=N,1.2nm,0.3s,baz=151,slow=12,SNR=5.3

ORIF comp=Z,5.7nm,0.8s eSN S 12 42 44.7 -5.9  
 CABF La Chapelle 10.15 294 ePN P 12 40 56.7 -1.5  
 HAU Haudoumpre 10.41 301 ePN P 12 41 00.5 -1.3  
 THF Thy Montfort 10.72 302 P P 12 41 05.4 -0.6  
 WIFF Sain-Julien 10.85 299 P P 12 41 04.9 -3.3  
 SMF Signal de Mont 11.67 292 ePN P 12 41 17.3 -1.7  
 SMF 11.67 292 eSN P 12 42 24.4 -6.4  
 comp=Z,2.7nm,0.7s  
 LOR Lormes 11.79 295 ePN P 12 41 18.6 -2.0  
 LOR 11.79 295 eSN S 12 42 26.2 -7.6  
 comp=Z,8.1nm,0.5s  
 GIFV Givet 12.21 309 ePN P 12 41 25.2 -1.0  
 TCF Toulx Ste Croi 12.73 289 ePN P 12 41 30.8 -2.4  
 OBN Obninsk 16.11 37 eP Pmax 12 42 16.3 -1.1  
 OBS 16.11 37 eP Pmax pmax  
 MOS Moscow 16.98 37 eP P 12 42 29.8 +1.5  
 MOS 16.98 37 eP Pmax pmax  
 comp=Z,6.0nm,0.6s  
 HFS Hagfors 17.22 350 P P 12 42 29.9 -1.4  
 comp=Z,0.0nm,0.3s,baz=127,slow=15,SNR=3.4  
 ASF Jabal al Asfar 17.57 124 LR LR 12 49 30.9  
 comp=Z,6.0nm,21.4s,baz=175,slow=38  
 EIL Elat 18.32 133 LR LR 12 51 23.7  
 comp=Z,5.2nm,19.4s,baz=338,slow=42  
 NB2 NORARS Subarra 18.45 347 P P 12 42 46.9 +0.2  
 comp=Z,2.6nm,0.8s,baz=157,slow=9.3  
 NOA NORARS Array B 18.45 347 P P 12 42 47.7 +1.0  
 comp=Z,0.4nm,0.3s,baz=161,slow=11,SNR=3.7  
 FINA FINESSE Array B 18.55 10 P P 12 42 46.4 -1.5  
 comp=Z,0.4nm,0.3s,baz=172,slow=11,SNR=1.1  
 KAF Kangasniemi 19.23 10 eP P 12 42 52.7 -3.3  
 ARCES ARCES Array B 26.45 5 P P 12 44 07.5 -0.4  
 comp=Z,8.7nm,1.1s,mb4.2,baz=194,slow=10.0,SNR=7.7  
 ARCES 26.45 5 P LR LR 12 55 01.9  
 comp=Z,1.06nm,18.6s,MS3.4,baz=140,slow=38  
 BRVK Borovoye 34.47 56 eP P 12 45 19.0 -0.2  
 BVAR Borovoye Array 34.53 56 P P 12 45 19.7 -0.1  
 comp=Z,1.5nm,0.7s,mb4.0,baz=260,slow=9.0,SNR=6.8  
 ZAL Zalesovo 42.89 52 P P 12 46 29.0 -0.3  
 comp=Z,1.6nm,0.7s,mb3.9,baz=87,slow=6.9,SNR=11  
 ZAL 42.89 52 P LR LR 13 06 25.9  
 comp=Z,10.9nm,18.4s,MS3.8,baz=92,slow=39  
 ZAL Zalesovo 42.89 52 P P 12 46 29.0 -0.3  
 ZAL 42.89 52 P LR LR 13 06 25.9  
 MKAR Makanchi Array 43.35 63 P P 12 46 33.0 -0.2  
 comp=Z,1.8nm,0.8s,mb3.9,baz=288,slow=6.6,SNR=13  
 MKAR 43.35 63 P LR LR 13 07 19.5  
 comp=Z,6.8nm,19.2s,MS3.6,baz=116,slow=40  
 SCHO Schefferville 54.30 315 P P 12 47 56.8 -0.9  
 SCHO 54.30 315 P LR LR 13 10 44.3  
 comp=Z,1.41nm,19.2s,MS4.0,baz=180,slow=36  
 YKA Yellowknife Arr 68.34 339 P P 12 49 32.2 -0.3  
 comp=Z,0.6nm,0.5s,mb3.9,baz=38,slow=5.5,SNR=38  
 YKA Yellowknife Arr 68.34 339 P P 12 49 32.2 -0.3  
 CMAR Chiang Mai Arr 69.89 83 P P 12 49 41.9 -0.9  
 comp=Z,0.6nm,0.5s,mb3.8,baz=302,slow=8.5,SNR=3.7  
 ULM Lac du Bonnet 71.19 322 P P 12 49 48.9 -0.4  
 comp=Z,3.8nm,0.7s,mb4.4,baz=32,slow=6.4,SNR=7.2  
 ILAR Gielson Array 71.73 354 P P 12 49 53.9 +0.8  
 comp=Z,0.5nm,0.6s,mb3.6,baz=349,slow=5.6,SNR=12  
 YSS Yuzh-Sakhalins 77.00 36 P P 12 50 23.6 -0.2  
 PDAR Pinedale Array 82.94 325 P P 12 50 56.5 +1.0  
 comp=Z,0.9nm,0.8s,mb3.8,baz=55,slow=4.7,SNR=8.1  
 DEFG Gielson Array 85.18 243 LR LR 13 30 32.5  
 comp=Z,2.9nm,21.2s,MS3.6,baz=96,slow=37  
 BTF Tepich 86.62 297 LR LR 13 32 33.6  
 comp=Z,4.5nm,18.5s,MS3.9,baz=229,slow=37  
 TXAR Tepich 86.62 297 LR LR 12 51 36.1 +1.1  
 comp=Z,1.3nm,1.1s,mb4.2,baz=72,slow=4.0,SNR=4.4  
 TXAR 86.62 297 LR LR 13 35 24.6  
 comp=Z,7.1nm,18.6s,MS4.1,baz=65,slow=38

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time Res	ISC
				h m s	ISC	
PLE	Piljevija	0.18 271	/P	Pg	12 38 34.7 +2.2	
PLE				Sg	12 38 38.2 +3.2	
NVSS	Nova Varos 2	0.18 121	/P	Pg	12 38 33.4 +0.9	
NVSS				Sg	12 38 36.2 +1.1	
IARA	Berane	0.49 158	/P	Pg	12 38 38.4 -0.2	
IARA				Sg	12 38 44.9 -0.2	
UPM	Unac-Piva	0.55 257	/P	Pg	12 38 41.4 +1.6	
UPM				Sg	12 38 50.2 +3.1	
NKY	Niksic	0.70 223	/P	Pg	12 38 43.2 +0.6	
NKY				Sg	12 38 45.8 +0.8	
PVV	Plav	0.77 162	/P	Pg	12 38 43.4 -0.7	
PVV				Sg	12 38 53.4 -1.1	
DIVS	Divicbare	0.81 181	/P	Pg	12 38 45.5 +0.5	
DIVS				Sg	12 38 57.1 +1.4	
BRV	Bratogost	0.91 243	/P	Pg	12 38 47.0 +0.0	
BRV				Sg	12 39 00.2 +1.1	
TTY	Podgorica	0.94 198	/P	Pg	12 38 46.6 -0.9	
TTY				Sg	12 38 59.6 -0.4	
GRUS	Gruza	0.96 54	/P	Pg	12 38 47.6 -0.3	
GRUS				Sg	12 39 01.8 +1.1	
BCL	Bajram Curri	1.01 162	/P	Pg	12 39 00.2 -2.1	
BCL				Sg	12 39 00.2 -2.1	
BUM	Brajići-Budva	1.16 208	/P	Pg	12 38 50.6 -1.4	
BUM				Sg	12 39 06.7 -0.8	
HCV	Herceg Novi	1.22 224	/P	Pg	12 38 52.1 -1.0	
HCV				Sg	12 39 05.9 +0.1	
SDA	Škoder	1.28 185	/P	Pn	12 39 01.0 -0.1	
SDA				Sn	12 39 11.5 +0.5	
PUK	Puka	1.30 172	/P	Pn	12 38 53.9 +0.4	
PUK				Sn	12 39 11.8 +0.4	
ULC	Ulcinj	1.39 192	/P	Pg	12 38 54.6 -1.9	
ULC				Sg	12 39 13.7 -1.4	
STON	Ston	1.50 253	/P	Pn	12 38 57.7 +1.3	
STON				Sn	12 39 20.2 +3.7	
SVIS	Svilajnac	1.50 49	/P	Pn	12 38 56.5 +0.1	
SVIS				Sn	12 39 17.9 +1.4	
BEQ	Belgrade	1.60 211	/P	Pn	12 38 57.9 0.0	
BEQ				Sn	12 39 40.9 +3.2	
BARS	Barje	1.68 107	/P	Pg	12 38 59.3 -2.9	
BARS				Sg	12 39 21.2 -3.3	
PHB	Peshkopia	1.74 160	/P	Pn	12 39 02.9 +3.0	
PHB				Sn	12 39 24.9 +2.1	
BOLS	Boljevac	1.75 73	/P	Pn	12 39 40.2 +0.0	
BOLS				Sn	12 39 43.0 +3.0	
QSH	Qafa e Shtames	1.81 174	/P	Pn	12 39 05.0 +4.1	
QSH				Sn	12 39 03.4 +1.3	
SKO	Skopje	1.89 135	/P	Pn	12 39 10.0 0.0	
SKO				Sg	12 39 29.3 -2.5	
SKO	comp=Z,0.6nm,0.8s			Lg	12 39 42.0	
SKO	comp=N,5.2nm,1.3s			Lg	12 39 42.0	
PRZA	Preza	1.90 179	/P	Pn	12 39 06.5 +4.4	
TIR	Tirane	1.98 175	/P	Pn	12 39 06.0 +2.6	
TIR				Sn	12 39 36.5 +7.6	
OHR	Ohrid	2.37 158	/P	Pn	12 39 12.2 +3.3	
OHR				/P	12 39 13.6	
OHR				Sg	12 39 43.5 -4.3	
DJES	Djerdap	2.46 57	/P	Pn	12 39 40.9 +2.2	
DJES				Sn	12 39 41.2 +0.4	
BIA	Bitola	2.62 151	/P	Pn	12 39 16.2 +3.7	
BIA				Pg	12 39 22.2 +1.1	
BIA				Sg	12 39 48.2 +3.1	
VTS	Vitosh	2.72 104	/P	Pn	12 39 14.0 +0.2	
FLN	Florina	2.85 159	/P	Pn	12 39 17.9 +0.4	
KTB	Krupnik	2.93 119	/P	Pn	12 39 17.8 +0.0	
VAY	Valandovo	2.95 132	/P	Pn	12 39 17.8 +0.6	
VAY				Pg	12 39 25.5 -2.2	
VAY				Sg	12 39 50.6 -2.9	
VAY				Sb	12 39 58.8 +0.7	
PKSM	Moragy	2.97 346	/P	Pn	12 39 17.4 +0.4	
PKSM				eS	12 40 07.3 -0.4	
RHK1	Bakonya	2.99 338	/P	Pn	12 39 18.5 +0.8	
GRG	Griva	3.13 138	/P	Pn	12 39 20.6 +0.9	
SISC	Sisak	3.18 314	/P	Pn	12 39 22.4 +2.0	
SISC				/P	12 40 40.3 +1.2	
PKS2	Kecel	3.18 355	/P	Pn	12 39 21.2 +1.2	
PKS2				eS	12 40 17.7 +3.1	
KNT	Kendrikon	3.24 311	/P	Pn	12 39 21.6 +0.3	
PKS9	Tamasi	3.40 344	/P	Pn	12 39 24.2 +0.6	
PKS9				Sg	12 40 23.6 +1.6	
PKS9				Sg	12 39 42.9 +3.7	
KZN	Kozani	3.41 152	/P	Pn	12 39 25.1 +1.4	
MMB	Musomiste	3.48 119	/P	Pn	12 39 25.7 +1.0	
KEK	Keirkira	3.61 178	/P	Pn	12 39 28.5 +1.9	
THE	Thessaloniki	3.66 136	/P	Pn	12 39 28.5 +1.3	
THE				Sn	12 40 07.6 -3.7	
FNLU	Novajal	3.66 291	/P	Pn	12 39 29.4 +2.1	
SRS	Serrai	3.67 126	/P	Pn	12 39 28.8 -1.8	
SRS				eS	12 40 09.2 -2.4	
SOH	Sokhos	3.73 131	/P	Pn	12 39 28.7 +0.5	
MEV	Metsovon	3.74 161	/P	Pn	12 39 28.4 +0.4	
PKST	Kunszentmiklos	3.74 355	/P	Pn	12 39 28.7 +0.4	
JAN	Janis	3.78 166	/P	Pn	12 39 31.5 +2.6	
IGT	Igoumenitsa	3.83 172	/P	Pn	12 39 29.3 +0.3	
IGT				Sn	12 40 12.2 -3.4	
GCIS	Gorjani Cirnik	3.84 313	/P	Pn	12 39 31.5 +0.5	
GCIS				Sg	12 40 41.0 +1.2	
LIT	Litohorji	3.86 146	/P	Pn	12 39 30.5 +0.4	
LIT				Pn	12 39 34.5 +1.1	
PLZ	Polygyros	4.09 135	/P	Pn	12 39 33.5 +0.1	
PVL	Pavlikeni	4.16 90	/P	Pn	12 39 32.7 -1.6	
PKSG	Piszkesteto	4.16 348	/P	Pn	12 39 34.3 -0.1	
PKSG				eS	12 39 47.7 +1.6	
BUD	Budapest	4.18 354	/P	Pn	12 39 34.6 0.0	
VISS	Visnje	4.23 307	/P	Pn	12 39 36.5 +1.1	
VISS				/P	12 39 45.9	
VISS				eS	12 39 50.3	
CII	Carovilli	4.26 250	/P	Pn	12 39 38.4 +2.6	
OUR	Ouranopolis	4.41 131	/P	Pn	12 39 37.4 0.0	
DIM	Dimitrovgrad	4.52 104	/P	Pn	12 39 41.0 +1.5	
PAIG	Paliouri	4.55 337	/P	Pn	12 39 40.8 +0.9	
LJU	Ljubljana	4.55 308	/P	Pn	12 39 41.2 +1.3	
LJU				eS	12 39 49.8	
LJU				Sg	12 40 57.6 -2.6	
KDZ	Kurdzhali	4.58 109	/P	Pn	12 39 40.0 -0.4	
SZH	Sztrazhica	4.59 89	/P	Pn	12 39 40.0 -0.5	
PSZ	Piszkesteto	4.59 211	/P	Pn	12 39 40.0 -0.5	
PSZ				eS	12 40 33.2 -1.5	
PSZ				Sg	12 40 41.5 +4.9	
PERS	Pernice	4.61 317	/P	Pn	12 39 41.5 +0.7	
BISS	Bistricki jare	4.62 318	/P	Pn	12 39 41.5 +0.6	
EVN	Evrtyana	4.70 159	/P	Pn	12 39 44.2 +2.2	
BUC1	Bucharest	4.73 75	/P	Pg	12 40 02.7 -0.4	
JAVS	Javornik	4.74 305	/P	Pn	12 39 43.9 +1.3	
JAVS				eS	12 39 47.5 +1.6	
AGG	Agios Georgios	4.75 154	/P	Pn	12 39 43.0 +0.2	
AGG				eS	12 40 35.6 -3.4	
XOR	Xorichti	4.77 145	/P	Pn	12 39 42.8 -0.3	
OBKA	Obir	4.82 313	/P	Pn	12 39 45.0 +1.3	
OBKA				/P	12 40 40.0 +0.0	
ARSA	Arzberg	4.88 325	/P	Pn	12 39 45.0 +0.4	
ARSA				/P	12 40 41.2 -1.1	
VOY	Vojsko	4.91 305	/P	Pn	12 39 46.0 +1.0	
VOY				eS	12 41 14.5 +3.1	
MLR	Muntele Rosu	5.00 62	/P	Pn	12 39 46.5 +0.2	
MLR	comp=N,0.3nm,0.3s,baz=165,slow=8.5,SNR=3.4			Sn	12 40 43.6 -1.8	
MLR	comp=N,1.8nm,0.3s,baz=114,slow=3.9,SNR=2.9			LR	12 41 01.7	
MLR	comp=N,11.7nm,20.6s,baz=5.3,slow=31					

23d 15h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ERON Agron, EJIF Jimena Fronter, EBER Berja, etc.

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

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

2004 MAR

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like VAF Ylistaro, FIAO FINESSE Array S, etc.

NAO 23 13:44:34.0±1.4, 60.90N-20.65E, ML1.8
HEL 23 13:44:34.5±1.0, 60.81N-20.82E, ML1.6, ML2.0(UPP),
Explosion
ISC 23 13:44:33.2±0.7, 60.82N±0.05±20.75E±0.08, n9, ±0.64/17,

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

ISC 23 14:01:39.9±5.2, 15.50S±0.17±0.24W, mb3.8/4, mb1 4.0/4,
mb1mx3.8/15, MS3.7/1, Ms1 3.6/1, ms1mx2.9/23, Error
ellipse: s-maj=227.0km s-min=35.9km az=136.0, Samoa
Islands region

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

ISC 23 14:18:24.4±1.6, 15.13N±104.73W, mb3.5/3, mb1 3.9/4,
mb1mx3.7/17, MS3.8/10, Ms1 3.8/10, ms1mx3.7/13, Error
ellipse: s-maj=77.7km s-min=27.7km az=65.0
ISC 23 14:18:22.3±1.8, 14.8N±0.2±105.4W±0.4, h10km, n12,
±0.99/4, mb3.6/3, MS3.9/2, Northern East Pacific Rise

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TXAR Lajitas Array, ROSC El Rosal, etc.

NNC 23 14:23:15.4±5.8, 37.03N±69.81E, mpv3.7, Error ellipse:
s-maj=63.3km s-min=43.8km az=112.0
ISC 23 14:23:05.1±1.7, 36.0N±0.1±71.2E±0.2, h150km, n10,
±0.76/14, 3C, Afghanistan-Tajikistan border region

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

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mb1mx3.6/17, Error ellipse: s-maj=35.6km s-min=24.2km
az=108.0
NEIC 23 14:26:08.9±0.8, 17.59N±145.65E, h198km, 8km, Error
ellipse: s-maj=23.7km s-min=17.3km az=103.0
ISC 23 14:26:08.2±0.9, 17.5N±0.1±145.6E±0.2, h204km, 9km, n11,
±0.69/12, mb3.0/6, 2D, Mariana Islands

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

ISC 23 14:44:58.2±0.7, 5.88S±151.43E, mb4.2/9, mb1 4.5/11,
mb1mx4.4/15, ML3.8/2, MS3.2/3, Ms1 3.2/3, ms1mx3.0/12,
Error ellipse: s-maj=34.0km s-min=18.6km az=122.0
NEIC 23 14:45:05.2±1.1, 5.87S±151.33E, h51km, 10km, mb4.5/5,
Error ellipse: s-maj=17.8km s-min=7.4km az=128.0
ISC 23 14:45:04.5±1.4, 5.95S±0.1±151.3E±0.1, h58km, 13km, n23,
±0.87/22, mb4.2/11, MS3.4/1, 1C, New Britain region

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

NEIC 23 14:51:44.9, 32.68S±71.74W, h29km, ML2.8(GUC), After
GUC.
GUC 23 14:51:44.9±0.2, 32.68S±71.74W, h29km, 4km, MD3.6,
ML2.8, 3C-7D, Near coast of central Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PACH Papudo, ROCH El Roble, etc.

ISC 23 15:02:06.7±1.9, 9.19S±125.64E, mb3.5/1, mb1 3.6/3,
mb1mx3.5/10, ML2.9/2, Error ellipse: s-maj=178.0km
s-min=32.6km az=58.0, Timor region

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.

ISC 23 15:51:30.2±5.9, 0.44S±101.53E, mb3.4/3, mb1 3.6/3,
mb1mx3.5/12, MS4.2/1, Ms1 4.2/1, ms1mx3.3/15, Error
ellipse: s-maj=327.0km s-min=26.4km az=53.0,
Southern Sumatra

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.

Table with columns: MKAR, 0.9nm, 0.7s, baz=145, slow=7.6, SNR=12, pP, pP, 16 00 38.8 +11

NIED 23 15:53:00, 29.30N, 142.30E, h11km, Mw4.8 Best double couple; Mb1.76x10^16 NP1.9s, 137°, 868°, λ.93°; NP2.16°, 83°, λ.31°

JMA 23 15:53:35.4, 0.2, 29.28N, 142.32E, h44km, M4.2 BJI 23 15:53:36.0, 29.30N, 142.06E, h20km, mb4.9, mb4.7, Ms4.4, Msz4.1

MOS 23 15:53:38.0, 1.1, 29.54N, 142.30E, h33km, mb5.1/1.5, Error ellipse: s-maj=30.2km s-min=8.1km az=117.2

NEIC 23 15:53:39.1, 0.3, 29.30N, 142.36E, mb4.8/1.2, Error ellipse: s-maj=7.9km s-min=6.5km az=74.0

IDC 23 15:53:39.0, 0.4, 29.27N, 142.45E, h45km, 3km, mb4.2/1.9, mb1.4, 4.2/2, mb1mx4.4, 25, MS4.0/8, Ms1.4, 0/8, 1mx1mx3.8/2.4, Error ellipse: s-maj=15.5km s-min=9.7km az=112.0

ISC 23 15:53:37.6, 0.3, 29.37N, 0.03, 142.35E, 0.05, h47km, h47km, 1.1km, pP-P, n128, c1s20/131, mb4.8/5.2, MS4.1/1.1, 9C-4D, Southeast of Honshu

Main station list table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC

Main station list table with columns: NVS, Novosibirsk, 48.91 319, i P P, 16 02 20.9 +0.3

Main station list table with columns: SOC, Sochi, 78.67 314, eP P, 16 05 39.9 +3.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZRNK, INK, DLBC, etc.

NIED 23 16:13:00, 29.10N, 141.80E, h5km, Mw5.1 Best double couple: M5.89x10^16 Np1.9x320°, δ88°, λ88°. Np2.9x179°, δ2°, λ129°

MOS 23 16:13:02.3, 1.0, 29.44N, 142.61E, h36km, mb5.2/16, Error ellipse: s-maj=31.7km s-min=8.5km az=121.8

NEIC 23 16:13:04.8, 0.3, 29.27N, 142.42E, mb4.8/21, Error ellipse: s-maj=7.5km s-min=6.0km az=70.0

ISC 23 16:13:03.8, 0.2, 29.40N, 02.142, 34E, 0.05, h46km, h46km, 1.3km, pp-P, n203, e1821, 200, mb4.9/64, MS4.4/24, 16C-7D, Southeast of Honshu

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CBIJ, JHHJ, JHUJ, etc.

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BJI, BOAC, SCPH, etc.

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like UCH, EKSZ, SNDR, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NAY, RST, NB2, NOA, etc.

NEIC 23 16:21:12.3, 8.7, 29.16N, 142.54E, h1km, 54km, mb4.4/4, Error ellipse: s-maj=20.5km s-min=11.3km az=106.0

IDC 23 16:21:12.0, 2.7, 29.20N, 142.50E, mb3.9/9, mb1.4/2/9, mb1mx4.1/17, ML3.3/1, Error ellipse: s-maj=27.8km s-min=16.1km az=110.0

ISC 23 16:21:14.8, 4.1, 29.23N, 0.05, 142.3E, 0.2, h27km, 29km, n21, c1919/23, mb4.1/2, 12.2, Southeast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CBJU, CBU, MAT, etc.

IDC 23 16:36:58.5, 1.8, 16.78S, 172.67W, mb4.2/6, mb1.4/4/6, mb1mx4.1/17, Error ellipse: s-maj=53.0km s-min=29.1km az=124.0

ISC 23 16:37:02.4, 1.7, 16.8S, 0.2, 172.8W, 0.3, h33km, n7, c0517/7, mb4.2/6, Samoa Islands region

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RSPR, SSNC, ISC, IDE, MAS, etc.

SOF 23 16:56:33.2, 41.07N, 21.93E, h2km, MD2.9 NEIC 23 16:56:34.8, 40.92N, 21.96E, h38km, MD3.3(ATH), After ATH

ATH 23 16:56:34.8, 40.92N, 21.96E, h38km, 5km, MD3.3/3 THE 23 16:56:35.7, 40.96N, 22.10E, h6km, ML3.5

ISC 23 16:56:35.0, 0.4, 40.94N, 0.03, 22.10E, 0.02, h8km, 4km, n28, c0999/43, 2C-3D, Greece

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GRG, GRR, VAY, etc.

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

NEIC 23 17:20:48.8, 45.32N, 6.50E, h7km, ML2.6(STR), ML2.6(LDG), ML2.5(LDG), After ML2

STR 23 17:20:48.7, 0.3, 45.31N, 6.51E, h10km, 1km, ML2.6, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

LDG 23 17:20:49.0, 0.1, 45.29N, 6.54E, h2km, MD2.1/2, ML2.5/1/1, Error ellipse: s-maj=1.8km s-min=1.5km az=100.0

ISC 23 17:20:47.6, 0.3, 45.32N, 0.01, 6.46E, 0.02, h12km, 2km, n37, c1914/68, France

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

Table with columns: Code, Station Name, Delta Az, Phase ID, Time, Res. Includes entries like MKAR Makanchi Array and WRA Warramunga Arr.

IDC 23 17:45:27.7, 31.33, 35x178.63W, mb4.0/2, mb1.4/3, mb1mx3.9/13, ML3.8/1, Error ellipse: s-maj=7.0, 4.3km

Table with columns: Code, Station Name, Delta Az, Phase ID, Time, Res. Includes entries like URZ Urewera and ASAR Alice Springs.

NEIC 23 17:56:04.0, 0.3, 16S: 70.22W, h9km, ML2.4(GUC), After GUC.

IDC 23 17:56:04.0, 0.3, 16S: 70.22W, h9km, 2km, MD3.6, ML2.4, 9C-3D, Chile-Argentina border region

Table with columns: Code, Station Name, Delta Az, Phase ID, Time, Res. Includes entries like FCH Farellones and TACH Talagante.

IDC 23 17:58:22.8, 3.2, 33.37S: 178.58W, mb4.0/2, mb1.4/2/3, mb1mx3.9/13, ML3.7/1, Error ellipse: s-maj=72.8km

IDC 23 17:58:26.1, 5.8, 33.55S: 0.2x178.6W, 0.9, h33km, n4, s-min=37.1km az=116.0

Table with columns: Code, Station Name, Delta Az, Phase ID, Time, Res. Includes entries like URZ Urewera and ASAR Alice Springs.

IDC 23 18:06:28.0, 5.2, 21.10S: 68.31W, h2km, 3km, mb4.7/14, mb1.4/8/16, mb1mx4.8/17, MS3.9/6, Ms1 3.9/6

MOS 23 18:06:29.7, 1.0, 21.50S: 68.55W, h101km, mb5.7/1, Error ellipse: s-maj=32.3km s-min=14.1km az=111.8

NEIC 23 18:06:32.6, 0.2, 21.20S: 68.18W, h12km, MB5.0, s-maj=7.6km s-min=4.9km az=70.0

Table with columns: Code, Station Name, Delta Az, Phase ID, Time, Res. Includes entries like URZ Urewera and ASAR Alice Springs.

BUJ 23 18:06:32.5, 21.20S: 68.20W, h129km, mb5.4, LDG 23 18:06:36.5, 4.2, 20.55S: 67.92W, h150km, Mb5.0/13, Ms3.9/8, Error ellipse: s-maj=22.6km s-min=8.0km az=38.0

IDC 23 18:06:30.9, 0.2, 21.20S: 0.03x68.24W, 0.4, h12km, h124km, 6km, p-p, n167, 0.1x113/136, mb5.0/3, 11C-8D, Chile-Bolivia border region

Table with columns: Code, Station Name, Delta Az, Phase ID, Time, Res. Includes entries like LVC Limon Verde and ANCH Antofagasta.

Main table with columns: Code, Station Name, Delta Az, Phase ID, Time, Res. Includes entries like CAM4 Nova Friburgo, GUARAPARI Guarapari, and various other stations.

Table with columns: Code, Station Name, Delta Az, Phase ID, Time, Res. Includes entries like ULM ULM, REDW Red Top Meadow, and various other stations.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BRVK Borovoye, NVS Novosibirsk, BOD Bodalbo, etc.

IDC 23 18:25:11.8:57.0, 19.42S:177.12W, mb3.8/3, mb1 4.0/3, s-min=163.7km az=82.0, Fiji Islands region

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

NEIC 23 18:33:41.7, 15.74N:95.95W, h20km, MD4.0(MEX), After MEX

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like VHO Vista Hermosa, OXO Oaxaca, CMIG Matias Romero, etc.

IDC 23 19:04:48.8:0.2, 29.48S:176.18W, mb4.5/9, mb1 4.7/12, mb1mx4.6/17, ML4.3/3, MS4.2/7, Ms1 4.2/7, ms1mx3.9/17, Error ellipse: s-maj=38.1km s-min=17.5km az=157.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PUZ Puketiti, URZ Urewera, BFZ Birch Farm, etc.

MAN 23 19:57:02.3, 9.93N:126.89E, h63km, mb4.3, ML3.1, MS2.8, Mindanao

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

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like QSPA South Pole Qui, QSPA Syowa Base, SVAO Syowa Base, etc.

ILAR Eielson Array 96.99 12 P 19 18 19.2 -1.3

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like CPUP Villa Florida, MKAR Makanchi Array, ARU Arti, etc.

IDC 23 19:47:26.4:6.4, 7.27S:76.44W, h116km, 6km, MB3.3/6, mb1 3.6/7, mb1mx3.5/16, MS3.8/1, Ms1 3.7/1, ms1mx3.0/13, Error ellipse: s-maj=116.0km s-min=40.0km az=51.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like OTAV Otavalo, LPAZ La Paz, BDFB Brasilia, etc.

IDC 23 20:04:47.9:3.2, 29.82S:176.04W, h9km, mb2.0/km, n59, o99S/44, mb4.8/19, MS4.3/8, 1C-4D, Kermadec Islands region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KSR Koster, SEK Senekal, SLR Silverton, etc.

IDC 23 20:04:47.1:1.9, 15.65S:173.97W, mb4.0/8, mb1 4.4/8, mb1mx4.2/14, Error ellipse: s-maj=115.0km s-min=20.5km az=150.0

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

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ILAR Eielson Array, PDAR Pinedale Array, YKA Yellowknife Arr, etc.

WAR 23 20:21:17.4, 0.50, 36N:18.86E, ML2.4, Mining Induced PRU 23 20:21:20.0, 50.32N:18.72E

SOF 23 20:30:05.7, 40.86N:22.00E, h2km, MD3.3 THE 23 20:30:08.9, 40.93N:22.09E, h4km, ML3.6 NEIC 23 20:30:08.5, 40.92N:22.13E, h20km, MD3.4(ATH), After ATH

ATH 23 20:30:08.5, 40.92N:22.13E, h20km, MD3.4/6 ISC 23 20:30:08.3, 40.92N:22.10E, h2km, 2.0E, h7km, 3km, n37, o94/55, 3C-3D, Greece

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like GRG Griva, VAL Valandovo, FAY Florina, etc.

IDC 23 20:54:58.0:7.2, 26.98S:26.74E, mb4.2/11, mb1 4.3/11, mb1mx4.2/18, Error ellipse: s-maj=33.8km s-min=22.3km az=102.0

NEIC 23 20:54:59.0:3.0, 26.91S:26.76E, h5km, mb4.6/7, Error ellipse: s-maj=11.1km s-min=5.6km az=98.0

PRE 23 20:54:59.2:1.8, 26.95S:26.77E, h2km, ML4.1 ISC 23 20:54:57.1, 2.8, 26.97S:0.03, 26.77E:0.04, h3km, n11km, n55, o103/51, mb4.3/19, 4C, South Africa

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KSR Koster, SEK Senekal, SLR Silverton, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Neumayer Olymp, South Pole Qui, BDFB Brasilia, etc.

NEIC 23:21:00:33.5, 1.6, 14.73Sx71.57W, h105km, 15km, mb4.8/2, Error ellipse: s-maj=24.2km s-min=15.8km az=51.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ARE Arequipa, LPZ La Paz, LVC Limon Verde, etc.

CASC 23:21:06:03.3, 2.1, 8.38N-82.84W, h7km, 5km, MD3.6, 6C-1D, Panama-Costa Rica border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like David, Cerro Adams, PTP1 Petrotermino, etc.

ICD 23:21:09:37.2, 1.2, 37.18S-78.29E, mb4.0/7, mb1 4.2/7, mb1mx4.1/9, MS4.3/3, Ms1 4.3/3, ms1mx3.9/15, Error ellipse: s-maj=43.3km s-min=26.6km az=54.0

NEIC 23:21:09:39.0, 0.5, 37.19S-78.32E, h10km, mb4.6/3, MS4.4/1, Error ellipse: s-maj=18.0km s-min=15.6km az=221.0

BUI 23:21:09:39.0, 37.20S-78.30E, h10km, mb4.9, mb4.4, Error ellipse: s-maj=17.3km s-min=10.7km az=11.0

ISC 23:21:09:37.0, 3.0, 37.2S-0.1W, h73E, 0.2, h10km, n21, n074/16, mb4.4/13, MS4.3/4, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MAW Mawson, NWAO Narrogin (SRO), ASAR Alice Springs, etc.

BUI 23:21:09:38.0, 19.03N-144.96E, h28km, mb5.4, mb5.2, Ms5.0, Ms2.4

SYO 23:21:09:36.6, 18.77N-144.74E, h27km, MB5.1, MS4.9, NEIC 23:21:09:37.0, 18.77N-144.74E, mb5.1/37, MS4.9/1, MW5.5, Error ellipse: s-maj=7.1km s-min=4.8km az=107.0

HRVD 23:21:09:37.0, 2.188N-144.68E, h12km, MW5.4/3, Centroid moment tensor Solution. LP body waves: s6/1, c105/Mantle waves: 5/3, c173. Half duration: 1/3

MOS 23:21:09:32.0, 9.18, 99N-144.53E, h25km, mb5.5/17, MS4.7/12, Error ellipse: s-maj=21.4km s-min=7.5km az=116.4

ICD 23:21:02:42.3, 2.1, 18.82N-144.84E, h49km, 30km, mb4.5/22, mb2.4/24, mb1mx4.6/27, ML4.2/2, MS4.7/21, Ms1 4.7/21, ms1mx4.7/27, Error ellipse: s-maj=18.1km s-min=10.6km az=97.0

ISC 23:21:02:36.8, 1.3, 18.80N-0.03, 144.74E-0.03, h16km, gkm, h27km, 7km, pP-P, n253, c100/238, mb5.2/93, MS4.7/38, 6C-12D, Mariana Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SARIN Sarigan, GUMO Gumbo, CBIJ Chichijima, etc.

YUK comp=2.2um, 4.0s pmax pmax

YUK comp=N, 2um, 3.0s pmax pmax

YUK comp=E, 2um, 5.0s smax smax

YUK comp=N, 2um, 4.0s smax smax

YUK comp=E, 2um, 9.0s smax smax

ASAJ Asahikawa 25.31 356 P P 21 26 04.2 +0.2

ENJP Ennaji 21.95 219 S LR 21 35 08.1

ASAJ El Nido 25.57 256 eP P 21 26 09.3 +2.7

VLA Vladivostok 26.57 339 I/P P 21 26 15.0 -0.6

VLA comp=N, 1um, 5.6s pmax pmax

VLA comp=E, 500nm, 5.6s pmax pmax

VLA comp=Z, 1um, 5.6s pmax pmax

VLA comp=Z, 1um, 11.0s pmax pmax

VLA comp=N, 1um, 10.0s pmax pmax

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

BJI 23:21:09:37.1, 16.0s, MS4.6

BJI 23:21:09:37.1, 16.0s, MS4.6

BJI 23:21:09:37.1, 16.0s, MS4.6

BJI 23:21:09:37.1, 16.0s, MS4.6

BJI 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

PET 23:21:09:37.1, 16.0s, MS4.6

Table with columns for station name, coordinates, and various signal quality metrics (e.g., S/NR, SNR, S/NR=24, S/NR=5.3).

Table with columns for station name, coordinates, and various signal quality metrics (e.g., S/NR, SNR, S/NR=24, S/NR=5.3).

Table with columns for station name, coordinates, and various signal quality metrics (e.g., S/NR, SNR, S/NR=24, S/NR=5.3).

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Amami Oshima, Kikaishima, Tashiro 2, etc.

IDC 23 21:40:30.3, 12.0, 54.52N, 164.78W, h69km, 100km, mb3.2/6, mb1 3.5/7, mb1mx3.4/20, ML3.2/1, Error ellipse: s-maj=78.0km s-min=28.4km az=29.0

NEIC 23 21:40:33.6, 54.28N, 164.39W, h82km, After AEIC, ISC 23 21:40:31.7, 54.54S, 0.1x164.6W, 0.1, h100km, n26, az=73/32, mb3.5/5, Unimak Island region

Main table of seismic stations with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Lists various stations like WESE, WESS, WTUG, etc.

IDC 23 21:41:34.5, 3.8, 5.85S, 148.62E, h172km, 39km, mb3.5/4, mb1 3.7/6, mb1mx3.5/13, Error ellipse: s-maj=61.8km s-min=25.4km az=129.0

ISC 23 21:41:32.4, 3.8, 5.65S, 0.4, 148.3E, 0.5, h154km, 45km, n6, az=90/7, mb3.7/4, New Britain region

Table of seismic stations for the New Britain region, including PMG, WRA, ASAR, FITZ, MKAR, ILAR, etc.

NEIC 23 21:49:33.2, 33.06S, 72.19W, h35km, ML2.9(GUC), After GUC

GUC 23 21:49:33.2, 0.6, 33.06S, 72.19W, h35km, 2km, MD3.6, ML2.9, 1C-4D, Off coast of central Chile

Table of seismic stations for the Chile region, including LCCH, PACH, LNV, TACH, RCHD, JACH, CLCH, etc.

IDC 23 21:57:03.0, 0.4, 18.78N, 144.84E, mb4.7/22, mb1 4.8/23, mb1mx4.8/26, ML4.1/1, MS5.0/17, MS1 5.0/17, ms1mx4.9/24, Error ellipse: s-maj=18.3km s-min=11.2km az=109.0

BJJ 23 21:57:05.4, 19.14N, 144.78E, h15km, mb5.4, mb5.1, MS5.2, MSz5.1

NEIC 23 21:57:05.1, 8.18, 79.14N, 144.76E, h30km, 13km, mb5.0/40, MS5.4/101, MW5.7, Error ellipse: s-maj=5.9km s-min=4.4km az=77.0, Moment Tensor Solution. s5

Moment tensor: Scale 10^17Nm; Mw=0.52; Mw=3.33; Mw=1.24; Mw=1.38; Mw=2.32; Best double couple: Mw=4.7x10^17 Np1=19, s28=1, 96=2; NP2=206, 862, 1, 87=3; Principal axes: T, 4.69, Plg17, Azm293; N, -0.3, Plg3, Azm24; P, -4.66, Plg73, Azm123; HRVD 23 21:57:05.0, 1, 18.75N, 144.72E, h12km, MW5.7/82, Centroid moment Tensor Solution. LP body waves: s71.1334; Mantle waves: s82.191; Half duration: 1.7; Moment tensor: Scale 10^17Nm; Mw=3.80, 0.4; Mw=0.09, 0.4; Mw=3.71, 0.4; Mw=0.30, 1.3; Mw=0.75, 0.4; Mw=0.76, 1.2; Best double couple: Mw=3.92x10^17 Np1; Mw=3.42, 840, 1, 100=2; NP2=175, 850, 1, 82=3; Principal axes: T, 3.92, Plg5, Azm259; N, -0.1, Plg6, Azm350; P, -3.91, Plg82, Azm131; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. MOS 23 21:57:00.0, 0.9, 18.93N, 144.75E, h33km, mb5.4/34,

MS5.1/27 Error ellipse: s-maj=13.3km s-min=6.5km az=109.1

ISC 23 21:57:02.8, 1.6, 18.82N, 0.03, 144.74E, 0.04, h8km, 10km, n326, az=99/240, mb5.0/94, MS5.3/133, 6C-6D, Mariana Islands

Main table of seismic stations for the Mariana Islands region, including SARN, ANAT, ANAP, SAIPAN, GUMO, etc.

Main table of seismic stations for the Pacific region, including CTA, CTAO, CD2, WRAB, WRA, WRA, MA2, MA2, MA2, FITZ, NANT, ULN, ULN, ULN, CHG, CM31, CMAR, CMAR, BDT, ASAR, ASAR, ASAR, YAK, YAK, YAK, YAK, YAK, YAK, BOD, ZAK, IRK, IRK, IRK, MOY, SHL, SHL, LSA, LSA, LSA, STKA, STKA, STKA, BILL, BILL, BILL, UNV, UNV, FORT, TIXI, TIXI, TIXI, TIXI, TIXI, TIXI, PKI, KKN, DMN, GKN, TNA, TNA, TOO, DANN, KOLN, ANM, MKAR, MKAR, MKAR, MKAR, NWAO, NWAO, NWAO.

Table with multiple columns for station names, coordinates, and various data points including elevation, distance, and station status. The table is organized in vertical columns, with station names and coordinates on the left and numerical data points on the right. It includes a mix of station identifiers (e.g., NVAO, NWS, NKS) and geographic locations (e.g., Novosibirsk, Kingsbay, HAWA).

Table with columns: BRG, Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Bergieshubel, Colim, LTX, TXAR, etc.

IDC 23 21:59:32.4-0.8, 18.82N, 144.86E, mb4.5/11, mb1 4.6/11, mb1mx3.6/12, Error ellipse: s-maj=32.9km s-min=18.1km az=87.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Wonju Array Si, Warramunga Arr, Warramunga Arr, etc.

BUI 22 03:57.9, 7.21S, 125.15E, h562km, mb4.8, mb4.8
SYO 22 03:59.5, 7.10S, 124.86E, h541km, mb4.8
NEIC 22 03:59.5, 0.6, 7.10S, 124.86E, h541km, mb4.8/19, Error ellipse: s-maj=9.5km s-min=4.9km az=70.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Kakadu, Fitzroy Crossi, Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Koldanda, Dangsing, Ashikawa, etc.

IDC 22 21:18:01.5-5.2, 29.06S, 178.86W, h36km, 999km, MD3.8, mb1mx3.6/12, Error ellipse: s-maj=162.0km s-min=104.4km az=154.0, Kermadec Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Stephens Creek, Alice Springs, Warramunga Arr, etc.

IDC 23 22:30:37.0-6.1, 18.170N, 144.61E, h36km, 999km, MD3.8, mb1mx3.6/12, Error ellipse: s-maj=250.0km s-min=22.8km az=80.0, Mariana Islands







Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC, h m s ISC. Includes stations like BHLL Bhannes, PHNC Paralinimi, HNTI Hanita, etc.

IDC 24 01:14:52.3±1.0, 18.81N-145.01E, mb3.8/8, mb1 4.0/8, mb1mx3.8/19, MS3.0/2, Ms1 3.0/2, ms1mx2.8/22, Error ellipse: s-maj=40.9km s-min=11.3km az=90.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC, h m s ISC. Includes stations like CBUJ Chichi jima, JOW Kunigami, WRA Warramunga Arr, etc.

IDC 24 01:19:35.4±2.0, 6.91S; 128.79E, mb3.3/1, mb1 4.0/4, mb1mx3.8/12, ML3.7/3, Error ellipse: s-maj=81.0km s-min=27.5km az=75.0

Table with columns: FITZ, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC, h m s ISC. Includes FITZ Fitroy Crossi, WRRB Tennant Creek, WRA Warramunga Arr, etc.

IDC 24 01:25:05.4±4.2, 20.39S-174.85W, mb4.3/6, mb1 4.4/6, mb1mx4.0/16, MS3.5/2, Ms1 3.4/2, ms1mx3.1/22, Error ellipse: s-maj=117.0km s-min=48.0km az=27.0, Tonga Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC, h m s ISC. Includes CUPA Cupa, IMAGO Magdalena, COCA Cotacachi, etc.

IDC 24 01:53:45.9±0.4, 45.40N-118.31E, mb5.0/26, mb1 5.2/28, mb1mx5.2/28, ML4.5/2, MS5.0/27, Ms1 5.0/27, ms1mx5.0/31, Error ellipse: s-maj=14.3km s-min=10.5km az=69.0

NEIC 24 01:53:49.4±0.1, 45.38N-118.26E, mb5.6/148, ME5.5, MS5.2/91, MW5.5. Error ellipse: s-maj=3.2km s-min=2.4km az=18.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC, h m s ISC. Includes HIA Hailar, CN2 Changchun, BJI Beijing, etc.

Table with columns: BTO, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC, h m s ISC. Includes BTO comp=N,8µm,0.9s, ULN Ulanbaatar, MDJ Mudanjiang, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC, h m s ISC. Includes CUPA Cupa, IMAGO Magdalena, COCA Cotacachi, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC, h m s ISC. Includes HIA Hailar, CN2 Changchun, BJI Beijing, etc.

Table with columns JOW, S, S, and numerical data. Includes entries like JOW comp=E, 15nm, 0.9s, baz=133, slow=19, SNR=2.0 and TATO Taipei 20.50 171 eP.

Table with columns PKI, comp, and numerical data. Includes entries like PKI comp=Z, 136nm, 1.5s, mb5.6 and BVAR Borovoye 31.67 302 eP.

Table with columns APA, comp, and numerical data. Includes entries like APA comp=Z, 700nm, 10.0s and UNV Unalaska Valle 47.37 51 PFAKE LR.





Table with columns: NEW, Newport, 74.96, 35, P, P, 02 05 28.6 -0.3, etc. Lists various locations and their associated data points.

Table with columns: ULM, Lac du Bonnet, 80.29, 21, eP, 02 05 55.7 -2.6, etc. Lists various locations and their associated data points.

Table with columns: PALC, Alcotmin, 84.14, 319, eP, P, 02 06 20.1 +1.6, etc. Lists various locations and their associated data points.





Table with columns: LPGA, La Plagne, 36.89 299 eP, P, 02 46 34.4 +1.3. Includes stations like La Plagne, Montbardon, Hautpomeroy, etc.

JMA 24 03:38:33.0, 3.24, 74N, 122.39E, M2.9. Includes stations like YON, YOF, YRIF, etc.

JKRS Kuro-shima 1.49 118 P Pn 03 39 02.7 +0.7. Includes JIJ, NEIC 24 04:16:31.1, 35.19N, 3.98W, etc.

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

IDC 24 04:18:42.4-8.4, 18.22N, 143.03E, mb3.5/3, mb1 3.7/3, mb1mx3.5/1.7, Error ellipse: s-maj=323.0km, s-min=29.9km az=76.0, Mariana Islands region

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

IDC 24 04:31:50.4, 0.5, 18.72N, 144.87E, mb4.4/14, mb1 4.6/15, mb1mx4.5/22, ML4-1/1, MS3.9/8, Ms1 3.9/8, ms1mx3.7/27, Error ellipse: s-maj=19.1km s-min=13.9km az=105.0

IDC 24 04:31:53.9, 2.9, 18.67N, 144.80E, h25km, mb4.6/13, Error ellipse: s-maj=10.2km s-min=6.1km az=21.0

IDC 24 04:31:52.3, 0.3, 18.70N, 0.05, 144.75E, h25km, n62, n69, 93/53, mb4.6/33, MS3.9/6, Mariana Islands

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

IDC 24 02:02:29.4, 0.7, 6.06N, 126.47E, mb4.0/11, mb1 4.2/11, mb1mx4.1/17, MS3.3/2, Ms1 3.3/2, ms1mx2.8/22, Error ellipse: s-maj=61.9km s-min=15.7km az=73.0

NEIC 24 02:40:30.4, 0.5, 6.11N, 126.48E, h10km, mb4.3/1, Error ellipse: s-maj=42.1km s-min=11.7km az=77.0

ISC 24 02:40:37.3, 1.4, 5.79N, 0.06, 126.0E, 0.1, h75km, 13km, n19, n1913/20, mb3.8/12, ID, Mindanao

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

Table with columns: BILL, Bilibino, 51.18 10 eP, P, 04 40 55.0 -0.3. Includes stations like TIXI, PKI, DMN, GKN, DANN, KOLN, etc.

BEO 24 04:38:39.5, 0.2, 43.30N, 19.72E, h15km, TIR 24 04:38:39.0, 43.26N, 19.67E, h16km

NEIC 24 04:38:40.8, 43.28N, 19.69E, h10km, ML2.3(PDG), ML2.1(ZAG), After PDG.

PDG 24 04:38:40.8, 0.1, 43.28N, 19.69E, h10km, 1km, PDG Fell at Northern Montenegro IV-V MCS, Podgorica III-IV MCS.

ISC 24 04:38:39.2, 0.4, 43.28N, 0.02, 19.70E, 0.03, h10km, n18, n180/33, 10C, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NVSS, PLE, IVA, UVA, UPM, etc.

ISC 24 04:37:40.1, 38.91N, 26.74E, h16km, MD4.1, ML4.2, IDC 24 04:38:38.9, 0.6, 38.91N, 26.74E, mb4.2/18, mb1 4.4/26, Error ellipse: s-maj=15.1km s-min=11.0km az=75.0

NEIC 24 04:38:40.3, 38.93N, 26.72E, h31km, mb4.1/57, ML4.2(ATH), After ATH.

ATH 24 04:38:40.3, 38.93N, 26.72E, h31km, 2km, MD4.2/12, ML4.2

MOS 24 04:38:41.7, 1.5, 38.88N, 26.87E, h33km, mb4.7/2, Error ellipse: s-maj=8.4km s-min=3.8km az=109.3

BUI 24 04:38:41.7, 38.98N, 26.45E, h57km, mb4.5, mb4.4, Ms4.9, Ms2.8

THE 24 04:38:43.2, 38.82N, 26.73E, h20km, ML4.3, ISC 24 04:38:40.6, 0.4, 38.90N, 0.02, 26.74E, 0.02, h22km, 3km, n307, n190/340, mb4.1/47, MS3.6/6, 23C-8D, Aegean Sea

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

Main table containing 24 columns of data: Country/Region, Name, Time, Date, and various numerical values. Includes entries for countries like ALWS, WJOS, HAQS, TAYS, Ojcow, JMOS, etc.

Table with columns: SJC, San Juan, 81.04 286 LR, 05 21 44.3, etc.

IDC 24 05:46:44.7±0.5, 18.78N, 144.75E, mb4.4/19, mb1 4.5/19, mb1mx4.5/24, MS4.1/19, Ms1 4.1/19, ms1mx4.1/23, Error ellipse: s-maj=19.4km s-min=13.3km az=108.0, BUJ 24 04:46:46.7, 18.67N, 145.25E, h43km, mb4.9, mb4.9, MS4.1, Ms2.1, MOS 24 04:46:47.9±0.9, 18.75N, 144.76E, h33km, mb5.2/8, Error ellipse: s-maj=26.8km s-min=11.1km az=113.9, NEIC 24 04:46:48.2±2.9, 18.68N, 144.75E, h27km±21km, mb4.6/12, Error ellipse: s-maj=10.1km s-min=6.2km az=80.0, ISC 24 04:46:47.1±2.5, 18.67N, 0.05:144.71E, 0.07, h27km±18km, n77, c0:99/68, mb4.7/24, MS4.1/18, Mariana Islands

Table with columns: 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

Table with columns: 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

Table with columns: 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

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

Table with columns: BRVK, Borovoye, 65.96 320 eP, 05 47 32.4 -0.7, etc.

IDC 24 05:00:06.3±3.2, 20.265N, 138.54E, mb1 2.9/3, mb1mx2.9/10, ML2.5/3, Error ellipse: s-maj=78.3km s-min=14.5km az=45.0, South Australia

Table with columns: 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

NIED 24 05:06:35.0±0.3, 50N, 139.50E, h50km, Mw3.9, Best double couple: M8.64x10^14 Np1.0q47, δ58°, ±1.22°. NP2.pq177°, δ45°, ±50°. JMA 24 05:06:35.6±0.1, 35.55N, 139.51E, h50km±1km, M3.9, Broadband fault plane solution: P waves. Np1.pq179°, δ38°, ±47°. NP2.pq49°, δ63°, ±118°. Principal axes: T: P161°, Azm31°; N: P125°, Azm216°; S: P164°, Azm119°; JMA Felt II J. IDC 24 05:06:35.8±0.3, 35.47N, 139.43E, h54km±7km, mb3.4/11, mb1 3.8/13, mb1mx3.7/21, Error ellipse: s-maj=28.0km s-min=8.8km az=89.0, NEIC 24 05:06:37.6±1.6, 35.55N, 139.38E, h70km±14km, mb4.2/2, Error ellipse: s-maj=21.1km s-min=13.9km az=104.0, ISC 24 05:06:34.8±0.4, 35.50N, 0.03:139.56E, 0.05, h60km±3km, h53km±1.8km; p-P, n32, c0:91/42, mb3.7/13, 3C-4D, Near south coast of eastern Honshu

Table with columns: 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

Table with columns: 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

Table with columns: LPAZ, La Paz, 148.76 59 PKPbc PKPdf, 05 26 18.9 +7.0

IDC 24 05:11:22.9±2.6, 8.19N, 82.91W, mb3.8/5, mb1 4.1/7, mb1mx3.8/18, ML2.3/1, MS3.2/3, Ms1 3.2/3, ms1mx3.0/18, Error ellipse: s-maj=93.1km s-min=20.3km az=37.0, NEIC 24 05:11:23.4±2.8, 8.12N, 83.01W, MD4.4(CASC), Alter CASC. CASC 24 05:11:24.7±2.7, 8.13N, 83.01W, h18km±7km, MD4.2, MM4.6, ISC 24 05:11:23.5±1.4, 8.06N, 0.06:83.00W, 0.04, h18km±9km, n42, c1:12/51, mb3.8/5, 5C-10, Costa Rica

Table with columns: 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

Table with columns: 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

Table with columns: 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

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

NEIC 24 05:46:04.7±0.1, 47.33N, 0.45E, h2km, ML2.9(LDG), After LDG. LDG 24 05:46:04.7±0.1, 47.33N, 0.45E, h2km, Md2.7/1, ML2.9/18, Error ellipse: s-maj=1.3km s-min=0.8km az=34.0

STR 24 05:46:13.6:0.3, 47.39N-1.44E, h2km, 1km, ML2.8, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Saint Martin d, La Druitiere, Gorron, Humbigny, La Foliniere, Bois d'Angland, etc.

IDC 24 06:16:07.0:1.1, 11.52S-66.34E, mb3.6/3, mb1 3.8/3, mb1mx3.6/13, Error ellipse: s-maj=50.4km s-min=30.6km az=84.0

ISC 24 06:16:06.8:1.8, 11.6S-66.4E, h10.4, h10km, n5, c0:66/4, mb4.0/4, Mid-Indian Ridge

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Mawson, Makanchi Array, Alice Springs, Warramunga Arr, Eielson Array, etc.

NEIC 24 06:26:10.4, 35.00N-3.99W, MG3.5(MDD), After MDD. INMG 24 06:26:10.6:1.1, 34.84N-4.01W, h39km, 19km, Error ellipse: s-maj=6.3km s-min=3.9km az=10.0

MDD 24 06:26:10.4:1.4, 35.00N-3.99W, mb3.5/8, Error ellipse: s-maj=15.0km s-min=5.2km az=12.0, Aftershock PLICA PRXIMO

ISC 24 06:26:09.9:5.9, 35.08N-0.06, 4.06W-0.04, h10km, n24, r1532/37, Strait of Gibraltar

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Melilla, Jimena Fronter, Agron, Berja, Sierra Loja, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Espera, Quesada, Hornachuelo, Huescar, Adamaz, Min Concepcio, Alcoutim, El Granado, etc.

NEIC 24 06:53:49.6:11.0, 32.29S-178.02W, h9km, 70km, mb4.9/4, Error ellipse: s-maj=27.3km s-min=15.0km az=222.0

IDC 24 06:53:54.6:6.1, 32.58S-177.92W, h51km, 75km, mb4.1/5, mb1 4.3/6, mb1mx4.0/14, ML3.8/1, MS3.7/1, Ms1 3.7/1, ms1mx3.1/21, Error ellipse: s-maj=59.0km s-min=33.3km az=178.0

ISC 24 06:53:48.9:5.0, 32.42S-0.08, 178.1W-0.1, h11km, 31km, n26, c0:97/23, mb4.6/8, MS3.7/1, 1C-2D, South of Kermadec Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Puketiti, Urewera, Charters Tower, Alice Springs, Warramunga Arr, etc.

IDC 24 07:02:04.1:29.0, 19.85S-178.95W, h539km, 268km, mb2.7/3, mb1 3.0/3, mb1mx2.8/12, Error ellipse: s-maj=319.0km s-min=46.4km az=133.0, Fiji Islands region

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

IDC 24 07:09:19.5:27.0, 27.13S-173.77W, mb4.1/4, mb1 4.3/4, mb1mx3.9/15, Error ellipse: s-maj=502.0km s-min=146.5km az=77.0, Tonga Islands region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Charters Tower, Stephens Creek, Alice Springs, Warramunga Arr, etc.

TAP 24 07:12:24.0:24.93N-122.22E, h6km, ML2.9, JMA 24 07:12:33.7:0.1, 24.21N-123.83E, h20km, 2km, M1.4

ISC 24 07:12:33.9:1.9, 24.21N-123.83E, h17km, 16km, n5, c0:48/9, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Hateruma jima, Irifome-Funau, Kuro-shima, Ishigaki jima, Tarama, etc.

IDC 24 07:46:17.2:1.2, 50.87N-73.60E, mb3.5/1, mb1 3.4/4, mb1mx3.3/18, ML2.8/3, Error ellipse: s-maj=19.8km s-min=8.5km az=27.0, Central Kazakhstan

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

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

IGQ 24 07:55:15.6, 2.56S-79.83W, h12km, 5km, mb4.1, 6C-6D, Error ellipse: s-maj=7.5km s-min=2.0km az=69.5, Near coast of Ecuador

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Iguata, Arrayan, Cusua, Juive, Ulba, etc.

IDC 24 07:58:39.7:0.8, 54.64S-143.74E, mb4.0/4, mb1 4.3/4, mb1mx4.2/9, MS4.1/13, Ms1 4.1/13, ms1mx4.1/13, Error ellipse: s-maj=83.6km s-min=21.2km az=77.0

NEIC 24 07:58:41.1:0.4, 54.61S-143.56E, h10km, mb4.1/3, Error ellipse: s-maj=26.9km s-min=8.4km az=88.0

ISC 24 07:58:39.3:0.6, 54.59S-0.07, 143.3E-0.5, h10km, n37, c0:83/18, mb4.1/5, MS4.1/13, 2C-1D, West of Macquarie Island

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like Tasmania Unive, Rata Peaks, Stephens Creek, etc.

BUI 24 08:05:55.7, 7.56S-147.94E, h104km, mb5.1, mb4.9

IDC 24 08:06:01.4:1.7, 6.97S-147.43E, h92km, 16km, mb4.2/1, mb1 4.4/4, mb1mx4.4/16, Error ellipse: s-maj=20.8km s-min=11.1km az=114.0

SYO 24 08:06:03.4, 6.97S-147.08E, h105km, MB4.6

NEIC 24 08:06:03.0:0.9, 6.97S-147.08E, h105km, 7km, mb4.6/11, Error ellipse: s-maj=13.4km s-min=8.4km az=95.0

ISC 24 08:06:02.6:0.9, 7.07S-147.06E, h118km, 8km, n51, c0:98/53, mb4.6/19, 2C-3D, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Wau, Port Moresby, Charters Tower, Warramunga Arr, etc.

GUC 24 08:12:04.0±0.4, 38.425±71.75W, h85km, ML3.6, 1C, Southern Chile-Argentina border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Tmchu, Valdivia, Chilian, Osorno, Cerro Calan.

OTT 24 08:45:19.5±0.2, 52.63N, 82.13W, h18km, MN2.9/17, 1D, 40km southeast from Attawapiskat, On James Bay region, Eastern Background Seismic Zone, Ontario

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Vimo, Otror Rapids, Sutton Inlier, Malo, Kapuskasing, Gato, Kilo.

Table with columns: Kilo, SG, Trac, Time, Res, ISC. Includes stations like La Grande 4, Val d'Or, Thunder Bay, Eldeie, Sioux Lookout, Grand Remous, Chalk River, Killbear Provi, Buck Lake, Tobermory, Pembroke, Mont Tremblant, Sadowa, Almond, Saint Jean, Manicouagan, Deloro Mine, Williamsburg, Lac du Bonnet, Fort Churchill, La Malbaie, Schefferville, Baie Comeau, Pointe Anglais, Clarke City, Grosses Roches, Frobisher Bay.

MDD 24 09:01:27.0±2.2, 36.81N, 8.33W, h10km, 2km, mbLg2.2/5, Error ellipse: s-maj=21.1km s-min=12.9km az=84.0, PRXIMO

NEIC 24 09:01:27.2, 36.79N, 8.31W, h11km, MN2.4(MDD), After MDD

INMG 24 09:01:27.0±1.2, 36.79N, 8.36W, h14km, 5km, ML2.5, Error ellipse: s-maj=6.3km s-min=3.0km az=50.0

ISC 24 09:01:26.9±1.1, 36.94N, 0.05±8.24W±0.06, h14km, n18, ±14/34, West of Gibraltar

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Sao Teotónio, Alcoutim, El Granado, Beja, Mina Concepcio, Montemor, Espera, Loures, Jima Fronter, Sierra de Lija, Tomar, Castelo Branco, EADA, Adamuz, Manteigas.

PVIS Viseu 3.79 4 eSg Sg 09 03 28.6 -4.4

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Bislig, Kidapawan, General Santos, Butuan, Surigao, Pagadian, Masin, Tagbilaran, Palo, Borongan, Tagaytay City, Tatal, Fitzroy Crossi, Warramunga Arr, CMAR, ASAR, HIA, LSA, ULN, GUN, PKI, KKN, DMN, GKN, KOLN, VNDA, VNDA, MKAR, ZAL, KZA, TKM2, UCHT, KURK, AAK, USP, AML, EK52, QSPA, ILAR, CHKZ, BRVK, SYO, SYO, SYO, NVAR, YKA, YKA, BDBF.

WEL 24 09:48:16.8±0.3, 37.79S±176.49E, h157km, 3km, ML3.5/3, Error ellipse: s-maj=3.6km s-min=3.5km az=90.0, North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Urewera, Matawai, Black Stump Fm, Puketiti, Matakaoa Point, North Gisborne, Kokohu, Ngauruhoe, Chateau, Tuvalu, Far West T-bar, Papanui, Takarari Road, Birch Farm, Mount Morrison, Cannon Point, Moikau Station, Nelson, THZ, Kahunu, McQueen's Vall.

NIED 24 09:50:00, 33.30N, 133.60E, h26km, Mw3.5 Best double

JMA 24 09:50:48.1, 33.28N, 133.56E, h33km, 1km, M3.5, JMA Felt J1

ISC 24 09:50:47.8±0.7, 33.27N, 0.06±133.56E±0.04, h33km, n10, ±023/17, 4C-4D, Shikoku

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Kubokawa, Murotomisaki 2, Monobe, Tanbara, Toshimizumi, Uwa jima 2, Aioi, Nagahama, Sakaide, Kurahashi.

ISC 24 09:53:04.9±2.8, 21.04S±170.80E, mb3.9/3, mb1 4/1/3, mb1mx3.8/1, Error ellipse: s-maj=124.0km s-min=38.4km az=149.0, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Stephens Creek, Warramunga Arr, Alice Springs, ARCES, GERES, TIF, Akhalkalaki, Stephanavan, Delisi, Mta.

TIF 24 09:55:40.0, 41.24N, 43.97E, h4km, Mpv3.6, 3D, Turkey-Georgia-Armenia border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Akhalkalaki, Stephanavan, Delisi, Mta.

24d 11h

Table with columns: DGRG, AMRG, BCHG, Station Name, Time, Res, ISC. Includes David-gareji, Becho, etc.

NEIC 24 09:56:41.6, 2.4, 28.5, 179.76W, h469km, 23km, mb3.8/7, mb1 3.9/8, mb1mx3.6/7, Error ellipse: s-maj=26.8km s-min=21.7km az=33.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like URZ, RPZ, CTA, STKA, etc.

BER 24 09:58:29.9, 3.2, 55.21N, 30.48E, ML2.4(NAO), Suspected explosion HEL 24 09:58:33.0, 2.0, 55.44N, 30.43E, ML2.7, ML2.4(NAO), Explosion

NAO 24 09:58:36.3, 11.0, 55.50N, 30.03E, h8km, 59km, ML2.4

ISC 24 09:58:31.8, 1.8, 55.66N, 30.09, 3.0E, 3.0, n11, e099/18, Baltic States - Belarus - Northwestern Russia

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

ICD 24 10:06:46.0, 1.2, 3.38S, 145.86E, mb4.1/6, mb1 4.4/9, mb1mx4.2/15, ML3.6/3, MS3.6/10, Ms1 3.6/10, ms1mx3.5/24, Error ellipse: s-maj=43.7km s-min=20.2km az=107.0

NEIC 24 10:06:52.1, 2.8, 3.38S, 145.78E, h37km, 28km, mb4.4/4, Error ellipse: s-maj=23.5km s-min=14.2km az=142.0

ISC 24 10:06:50.3, 3.7, 3.45S, 0.2, 145.7E, 0.2, h35km, 36km, n25, e089/19, mb4.0/6, MS3.6/8, Near north coast of New Guinea

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

2004 MAR

Table with columns: KURK, ILAR, BVAR, YKA, Station Name, Time, Res, ISC. Includes Kurchatov, Borovoye Array, etc.

NEIC 24 10:10:45.0, 29.07S, 144.08E, ML2.7(AUST), After AUST

AUST 24 10:10:46.0, 29.07S, 144.08E, ML2.7 ICD 24 10:10:47.2, 6.2, 28.84S, 143.77E, mb1 3.5/3, mb1mx3.5/9, ML3.0/3, Error ellipse: s-maj=72.6km s-min=24.3km az=91.0

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

NEIC 24 10:27:38.8, 51.38N, 179.64W, h54km, ML3.3(AEIC), After AEIC

ICD 24 10:27:44.6, 18.0, 51.52N, 176.20W, mb3.0/4, mb1 3.5/4, mb1mx3.4/19, Error ellipse: s-maj=351.0km s-min=66.3km az=82.0

ISC 24 10:27:37.3, 3.1, 51.55N, 0.4, 179.7W, 0.4, h78km, 17km, n14, e026/15, mb3.1/4, Andean Islands

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

TIF 24 10:48:40.7, 41.24N, 43.97E, h2km, Mpv3.7, 3D, Turkey-Georgia-Armenia border region

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

NEIC 24 10:56:51.9, 0.6, 24.49N, 94.86E, mb4.1/1, Error ellipse: s-maj=16.7km s-min=10.5km az=60.0

ICD 24 10:56:52.9, 1.1, 24.65N, 95.22E, h143km, 9km, mb3.2/5, mb1 3.3/6, mb1mx3.2/17, MS3.8/1, Ms1 3.8/1, ms1mx2.7/13, Error ellipse: s-maj=79.6km s-min=13.5km az=58.0

ISC 24 10:56:51.3, 0.9, 24.51N, 0.09, 94.93E, 0.09, h153km, 11km, n19, e061/19, mb3.5/5, 1D, Myanmar-India border region

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

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MAN 24 11:08:12.5, 10.06N, 125.30E, h187km, mb5.0, ML4.0, MS4.1

MOS 24 11:08:12.5, 0.9, 10.03N, 125.36E, h220km, mb4.6/9, Error ellipse: s-maj=20.7km s-min=10.6km az=114.6

NEIC 24 11:08:13.4, 0.2, 10.05N, 125.32E, mb4.7/28, Error ellipse: s-maj=7.1km s-min=4.4km az=76.0

ICD 24 11:08:13.5, 0.8, 10.01N, 125.34E, h208km, 7km, mb4.4/22, mb1 4.5/24, mb1mx4.5/25, Error ellipse: s-maj=13.9km s-min=6.6km az=72.0

BUI 24 11:08:13.3, 10.10N, 125.30E, h204km, mb4.6, mb4.6 ICD 24 11:08:11.5, 0.2, 10.08N, 0.02, 125.35E, 0.03, h196km, 2km, h205km, 1.4km, pp-P, n17.4, e154/156, mb4.7/57, 11C-11D, Leyte

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

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Ulanbaatar, Forrest, Gumba, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like NOA NORSAR Array B, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like MKAR Makanchi Arr, etc.

Table with columns: Code, Station Name, Time, Res, Op, Phase, ID, h, m, s, ISC. Includes stations like OBN, Muntele Rosu, Schefferville, etc.

ICD 24:12:00:01.9, 1.9, 3.9S, 107.43E, mb4.1/7, mb1 4.2/8, mb1mx3.1/16, ML3.5/1, MS3.6/1, Ms1 3.6/1, ms1mx2.8/18, Error ellipse: s-maj=81.1km s-min=16.9km az=46.0

Table with columns: Code, Station Name, Time, Res, Op, Phase, ID, h, m, s, ISC. Includes stations like KELI, Kelakatan, INGI, Ingas, etc.

ICD 24:13:37:44.6, 0.8, 5.5, 19N, 162.99E, mb3.4/10, mb1 3.8/12, mb1mx3.7/22, ML3.6/2, Error ellipse: s-maj=25.2km s-min=16.4km az=10.0

Table with columns: Code, Station Name, Time, Res, Op, Phase, ID, h, m, s, ISC. Includes stations like KBTR, Krutoberegovo, Bering, etc.

ICD 24:13:50:18.5, 1.9, 30.4N, 0.2, 66.6E, 0.5, h33km, n6, 0.061/6, mb3.4/5, Pakistan



NAO 24 14:00:05.4±1.7, 59.59N±15.14E, ML2.1, Sweden
Code Station Name Δ° AZ° Phase ID Time Res
HFS Hagfors 0.91 307 Op P 14 00 22.2 -1.4

IDC 24 14:01:30.1±0.8, 23.85S±75.83W, mb4.4/15, mb1 4.6/17,
mb1mx4.5/21, ML4.2/2, MS3.8/1, Ms1 3.8/1, ms1mx2.9/22,
Error ellipse: s-maj=32.3km s-min=16.1km az=151.0

NEIC 24 14:01:31.7±0.3, 23.85S±175.87W, h10km, mb4.6/6, Error
ellipse: s-maj=11.3km s-min=8.5km az=145.0

ISC 24 14:01:30.4±0.4, 23.87S±0.09±175.93W±0.10, h10km, n33,
c0.91/32, mb4.8/18, MS3.6/1, 3C-1D, Tonga Islands
region

Code Station Name Δ° AZ° Phase ID Time Res
RAR Rarotonga 15.16 83 Pn P 14 04 55.9 -1.1
RAR 3.9nm, 0.3s, baz=248, slow=4.7, SNR=10
RAR 1.4nm, 0.3s, baz=89, slow=4.4, SNR=4.8

NEIC 24 14:03:15.9, 58.27N, 155.21W, h12km, After AEIC.
IDC 24 14:03:16.0±0.8, 58.52N±154.99W, h82km, 63km, mb3.0/3,
mb1 3.4/4, mb1mx3.2/18, ML3.7/1, Error ellipse:
s-maj=67.4km s-min=30.6km az=62.0

ISC 24 14:03:15.4±0.8, 58.42N±0.05±155.0W±0.1, h119km±5km,
n36, c1/03/43, mb3.3/2, Alaska Peninsula
region

Code Station Name Δ° AZ° Phase ID Time Res
KAIC Katmai Ikaigui 0.08 331 Op P 14 03 31.1 -0.7
KAIC Katmai Ikaigui 0.08 331 S P 14 03 43.5 -0.4
KARR Katmai Rainbow 0.16 60 P P 14 03 37.1 -0.1

IDC 24 14:09:15.7±1.7, 5.65S±147.39E, mb3.8/4, mb4 1.4/6,
mb1mx3.9/14, ML3.5/2, Error ellipse: s-maj=44.1km
s-min=20.5km az=97.0

NEIC 24 14:09:25.2±0.7, 5.78S±147.30E, h79km±22km, mb4.3/1,
Error ellipse: s-maj=43.4km s-min=22.6km az=134.0

ISC 24 14:09:27.2±0.1, 5.85S±0.2±147.1E±0.2, h109km±15km, n13,
c1/37/17, mb3.5/4, Eastern New Guinea region

Code Station Name Δ° AZ° Phase ID Time Res
WAW Wau 1.58 195 eP S 14 09 54.2 -1.1
WAW 4.7nm, 0.3s, baz=34, slow=6.4, SNR=7.1
PMG Port Moresby 3.57 180 Pn P 14 10 16.9 -5.0

PMG 8.1nm, 0.3s, baz=15, slow=13, SNR=53
5.7nm, 0.3s, baz=206, slow=9.2, SNR=3.2
PMG 10nm, 0.3s, baz=356, slow=16, SNR=6.6
PMG Port Moresby 3.57 180 eP S 14 10 17.9 -3.9

IDC 24 14:15:34.6±0.9, 16.39S±173.43W, mb4.1/12, mb1 4.4/13,
mb1mx4.3/20, ML4.7/1, MS3.7/1, Ms1 3.7/1, ms1mx3.1/25,
Error ellipse: s-maj=41.8km s-min=16.2km az=138.0

NEIC 24 14:15:37.2±0.4, 16.31S±173.53W, h15km, mb4.1/2, Error
ellipse: s-maj=18.0km s-min=8.4km az=133.0

ISC 24 14:15:35.9±0.6, 16.3S±0.1±173.6W±0.2, h15km, n21,
c0.41/20, mb4.1/13, Tonga Islands
region

Code Station Name Δ° AZ° Phase ID Time Res
RAR Rarotonga 13.95 113 Pn P 14 18 46.4 -9.0
RAR 3.8nm, 0.3s, baz=254, slow=17, SNR=13
RAR comp=2.302nm, 18.1s, baz=272, slow=30
RAR Rarotonga 13.95 113 P P 14 18 47.6 -7.9

IDC 24 14:20:12.9±0.6, 4.82S±153.37E, mb4.6/14, mb1 4.6/16,
mb1mx4.6/20, ML3.9/2, MS3.9/12, Ms1 3.9/12,
ms1mx3.9/18, Error ellipse: s-maj=19.4km s-min=12.4km
az=112.0

BUI 24 14:20:19.1, 4.11S±153.47E, h31km, mb5.0, mb4.7, Ms4.7,
Ms2.4

NEIC 24 14:20:21.5±1.3, 4.92S±153.20E, h62km±10km, mb4.5/9,
Error ellipse: s-maj=12.8km s-min=7.0km az=89.0

ISC 24 14:20:21.1±1.7, 4.97S±0.05±153.1E±0.10, h60km±13km,
n28, c1/01/54, mb4.5/22, 1D, New Ireland region

Code Station Name Δ° AZ° Phase ID Time Res
RAB Rabaul 1.28 307 iP P 14 20 43.2 +1.0
WAW Wau 6.85 250 eP P 14 20 06.0 +3.4
PMG Port Moresby 7.43 233 eP S 14 22 07.5 -0.7

IDC 24 14:45:54.8±4.9, 19.26S±179.55W, h678km±61km,
mb3.1/3, mb1 3.4/4, mb1mx3.0/13, 2D, Error ellipse:
s-maj=44.8km s-min=29.6km az=16.0, Fiji Islands
region

Code Station Name Δ° AZ° Phase ID Time Res
LUBP Lubang 0.17 3 Op S 15 13 17.9 +1.5
LUBP Lubang 0.17 3 Op S 15 13 23.3 +1.8
PGP Puerto Galera 0.70 95 eP S 15 13 20.1 -1.5

KKN Kakani 73.01 301 eP P 14 31 45.0 -0.7
DMN Daman 73.12 301 eP P 14 31 46.6 +0.3
BILL Biloba 74.42 5 eP P 14 31 46.1 -1.2

IDC 24 14:43:58.8±2.0, 22.32N±93.15E, mb3.6/2, mb1 3.7/3,
mb1mx3.7/15, ML3.9/1, Error ellipse: s-maj=81.1km
s-min=21.5km az=50.0

ISC 24 14:44:06.0±1.0, 23.02N±0.2±94.3E±0.2, h33km, n10,
c0.77/11, mb3.5/2, Myanmar-India border region

Code Station Name Δ° AZ° Phase ID Time Res
SHL Shillong 3.33 320 Op Pn 14 45 01.3 +4.2
SHL Shillong 3.33 320 eS Pn 14 45 36.3 +0.3
CMAR 0.2nm, 0.3s, baz=308, slow=31, SNR=4
GUN Gumba 8.99 305 eP P 14 46 17.2 +0.7

JMA 24 14:47:24.8±0.2, 44.03N±148.09E, M4.3, Kuril Islands
region

Code Station Name Δ° AZ° Phase ID Time Res
NEM2 Nemuro 2 1.83 249 P Pn 14 47 57.9 +0.2
NEM2 Nemuro 2 1.83 249 eS Pn 14 48 21.7 -0.2

IDC 24 15:13:09.0, 13.56N±120.24E, h43km, mb4.8, ML3.7,
MS3.6, 2C-1D, Mindoro
region

Code Station Name Δ° AZ° Phase ID Time Res
LUBP Lubang 0.17 3 Op S 15 13 23.3 +1.8
PGP Puerto Galera 0.70 95 eP S 15 13 20.1 -1.5
PGP Puerto Galera 0.70 95 eP S 15 13 30.0 +0.5

IDC 24 14:45:54.8±4.9, 19.26S±179.55W, h678km±61km,
mb3.1/3, mb1 3.4/4, mb1mx3.0/13, 2D, Error ellipse:
s-maj=44.8km s-min=29.6km az=16.0, Fiji Islands
region

Code Station Name Δ° AZ° Phase ID Time Res
URZ Urewhera 19.15 188 P P 14 49 38.0 -1.7
WRA Warramunga Arr 43.34 261 P P 14 50 31.3 -1.5
WRA 1.3nm, 0.3s, baz=96, slow=7.4, SNR=8.4

JMA 24 14:47:24.8±0.2, 44.03N±148.09E, M4.3, Kuril Islands
region

Code Station Name Δ° AZ° Phase ID Time Res
NEM2 Nemuro 2 1.83 249 P Pn 14 47 57.9 +0.2
NEM2 Nemuro 2 1.83 249 eS Pn 14 48 21.7 -0.2
JRA Rausu 2.14 269 eS Pn 14 48 02.4 +0.1

MAN 24 15:13:09.0, 13.56N±120.24E, h43km, mb4.8, ML3.7,
MS3.6, 2C-1D, Mindoro
region

Code Station Name Δ° AZ° Phase ID Time Res
LUBP Lubang 0.17 3 Op S 15 13 23.3 +1.8
LUBP Lubang 0.17 3 Op S 15 13 23.3 +1.8
PGP Puerto Galera 0.70 95 eP S 15 13 20.1 -1.5

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Guinayanang, Santa Cruz, San Andres, El Nido, Baler, Cuyo Island, Bolinao, Cauayan, Jordan, Virac, Dolores, Corner.

NEIC 24 15:32:59.5, 35.01N-2.71W, MG3.7(MDD), After MDD. MDD 24 15:32:59.1, 2.35, 00N-2.70W, mb3.7/3, Error ellipse: s-maj=1.7km s-min=0.6km az=32.0, PRXIMO ISC 24 15:33:00.0, 1.4, 35.12N, 0.07-2.66W, 0.06, h15km, n23, r1927/41, Strait of Gibraltar

Main table for 24p 16h section, listing various stations and their parameters. Includes stations like Melilla, Berja, EBRER, EBER, ERON, EROG, EROG, EROG, ELOJ, ELOJ, EJIF, EHUE, EHUE, EQES, EQES, ELIJ, EMUR, EMUR, ESPR, ESPR, EBAN, EBAN, EADA, EADA, EVIA, EVIA, ETOB, ETOB, ETOB, ETOB, EBEN, EBEN, EMIN, EMIN, EMIN, EMIN, EGRO, EGRO, EIBI.

DUSS 24 15:54:03.4, 11.0, 33.80N-36.36E, h15km, ML3.3 GRAL 24 15:54:03.6, 11.1, 33.99N-35.12E, MD2.9, Jordan - Syria region

Table for DUSS and GRAL stations, listing parameters like Azimuth, Elevation, Phase ID, Time, Res, ISC.

ICD 24 15:57:42.1, 0.8, 38.61N-109.59E, mb3.9/11, mb1 4.1/11, mb1mx4.0/19, MS3.4/1, Mst1 3.4/1, ms1mx2.9/28, Error ellipse: s-maj=32.5km s-min=16.9km az=55.0 NEIC 24 15:57:55.4, 0.7, 40.55N-109.67E, h10km, mb4.6/1, Error ellipse: s-maj=17.7km s-min=11.8km az=77.0 MOS 24 15:57:55.4, 3.1, 40.60N-109.70E, h10km, mb4.6/3, Error ellipse: s-maj=26.8km s-min=9.2km az=110.9 BUJ 24 15:57:55.6, 40.35N-109.42E, h10km, mb4.1, ML4.5, Ms3.9, Ms3.7

ISC 24 15:57:55.5, 1.2, 40.49N-10.07-109.5E, 0.1, h29km, 11km, n32, r080/32, mb4.3/15, MS3.5/2, 1D, Western Nei Mongol

Table for Western Nei Mongol stations, listing parameters like Azimuth, Elevation, Phase ID, Time, Res, ISC.

Main table for 2004 MAR section, listing various stations and their parameters. Includes stations like Zakamensk, Changchun, Mondy, Bodaibo, Makanchi Array, Zalesovo, Novosibirsk, Kurchatov, Bhumibol Dam, Borovoye Array, NORSAR Array, Eielson Array, Inuvik, Yellowknife Arr, Schefferville, La Paz.

BUJ 24 15:58:32.8, 25.85N-101.28E, h14km, ML4.0, Ms4.4, Ms2.1 ICD 24 15:58:34.8, 1.8, 26.19N-100.91E, mb4.0/6, mb1 4.0/7, mb1mx3.9/16, ML3.5/1, MS3.6/6, Ms1 3.6/6, ms1mx3.3/24, Error ellipse: s-maj=71.5km s-min=27.4km az=90.0 ISC 24 15:58:37.0, 0.8, 24.77N-101.25E, 0.08, h14km, n23, r154/27, mb4.1/5, MS3.7/5, 1D, Yunnan

Main table for 2004 MAR section, listing various stations and their parameters. Includes stations like Chengdu, Daman, Nan, NANT, NANT, NANT, NANT, CHIANG MAI, CHIANG MAI, CHIANG MAI, CHIANG MAI, CMAR, CMAR, CMAR, CMAR, CMAR, CMAR, SHL, SHL, GUN, GUN, PKI, PKI, KKN, KKN, DMN, DMN, GKN, GKN, KOLN, KOLN, MKAR, MKAR, SHL, SHL, GUN, GUN, PKI, PKI, KKN, KKN, DMN, DMN, GKN, GKN, KOLN, KOLN, TGY, TGY, SDNR, SDNR, JOW, JOW, MKAR, MKAR, JNU, JNU, FINES, FINES, ARCES, ARCES, NB2, NB2, NORA, NORA, STKA, STKA, STKA, STKA, DLBC, DLBC, YKA, YKA.

ICD 24 15:59:12.3, 5.4, 4.96S-152.47E, h71km, 49km, mb3.7/5, mb1 3.9/6, mb1mx3.7/13, ML2.5/1, MS3.3/3, Mst1 3.2/3, ms1mx3.0/15, Error ellipse: s-maj=57.2km s-min=27.4km az=133.0 ISC 24 15:59:09.4, 4.5, 4.8S-0.3-152.4E, 0.3, h54km, 39km, n9, r194/8, mb3.6/6, MS3.4/2, New Britain region

Table for New Britain region stations, listing parameters like Azimuth, Elevation, Phase ID, Time, Res, ISC.

ICD 24 16:34:54.8, 2.1, 30.74S-177.61W, mb4.5/3, mb1 4.6/5, mb1mx4.2/15, ML3.5/2, Error ellipse: s-maj=57.5km s-min=30.5km az=129.0 NEIC 24 16:34:55.4, 1.1, 30.78S-177.50W, h10km, mb4.7/3, Error ellipse: s-maj=26.5km s-min=17.1km az=119.0 ISC 24 16:35:06.2, 1.5, 31.13S-0.06-179.3W, 0.2, h10km, n21, r1509/19, mb4.4/4, Kermadec Islands region

Table for Kermadec Islands region stations, listing parameters like Azimuth, Elevation, Phase ID, Time, Res, ISC.

ICD 24 16:39:26.0, 6.0, 26.00N-101.52E, mb4.0/11, mb1 4.0/12, mb1mx3.9/19, ML3.2/1, Error ellipse: s-maj=30.2km s-min=15.5km az=62.0 BUJ 24 16:39:29.0, 25.81N-101.31E, h32km, mb4.7, mb4.6, ML4.0, Ms4.0, Ms3.8

NEIC 24 16:39:32.3, 1.2, 25.91N-101.45E, h42km, 12km, mb4.3/2, Error ellipse: s-maj=12.3km s-min=9.2km az=89.0 ISC 24 16:39:25.9, 3.5, 25.91N-101.06-101.16E, 0.07, h13km, 24km, n26, r134/28, mb4.0/12, Yunnan

Main table for 2004 MAR section, listing various stations and their parameters. Includes stations like Chengdu, ENH, ENH, LSA, LSA, GUN, GUN, PKI, PKI, KKN, KKN, DMN, DMN, GKN, GKN, KOLN, KOLN, MKAR, MKAR, NAK, NAK, ZAL, ZAL, ZAL, ZAL, ASAJ, ASAJ, TIXI, TIXI, WRAB, WRAB, WRAB, WRAB, ASAR, ASAR, FINES, FINES, ARCES, ARCES, NB2, NB2, NORA, NORA, YKA, YKA.

MOS 24 16:43:11.0, 1.0, 12.12N-142.05E, h148km, mb4.4/7, Error ellipse: s-maj=49.8km s-min=13.6km az=117.0 BUJ 24 16:43:11.9, 12.20N-141.88E, h137km, mb4.9, mb4.9 NEIC 24 16:43:13.5, 0.3, 12.31N-141.84E, h137km, mb4.6/12, Error ellipse: s-maj=8.6km s-min=5.8km az=80.0 ICD 24 16:43:14.0, 0.7, 12.32N-141.84E, h131km, 6km, mb4.1/18, mb1 4.2/19, mb1mx4.2/25, MS3.2/1, Mst1 3.2/1, ms1mx2.7/19, Error ellipse: s-maj=15.6km s-min=9.7km az=86.0 ISC 24 16:43:13.6, 1.4, 12.31N-105.141.83E, 0.08, h150km, 14km, n73, r092/66, mb4.5/43, 1C-1D, South of Mariana Islands

Table for South of Mariana Islands stations, listing parameters like Azimuth, Elevation, Phase ID, Time, Res, ISC.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BJT Baijittau, BJI Beijing, AS12 Alice Springs, etc.

IDC 24 17:05:26.3, 1.2, 29.17N-142.58E, mb3.6/5, mb1 3.8/6, mb1mx3.6/19, ML3.3/1, MS2.8/2, Ms1 2.8/2, ms1mx2.5/24, Error ellipse: s-maj=43.5km s-min=19.4km az=84.0

IDC 24 17:05:26.0, 5.9, 29.21N-0.08:142.5E, 0.3, h9km, 37km, n7, 0.658/13, mb3.6/5, Southeast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BIPH Bislig, KCP Kidapawan, GSHP General Santos, etc.

IDC 24 17:42:42.5, 0.19, 19.81Sx176.16W, mb3.9/4, mb1 4.1/4, mb1mx3.8/14, Error ellipse: s-maj=148.0km s-min=96.9km az=156.0, Fiji Islands region

IDC 24 17:43:37.0, 8.13, 25N:144.16E, mb4.1/12, mb1 4.3/12, mb1mx4.2/19, Error ellipse: s-maj=26.8km s-min=20.4km az=113.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PDAR Pineda Array, ILAR Eielson Array, MAW Mawson, etc.

IDC 24 17:49:14.5, 20.10N-120.17E, h34km, mb4.9, ML3.9, MS3.9

IDC 24 17:49:19.4, 0.7, 19.86N-120.53E, h29km, mb4.4km, mb3.7/10, mb1 4.0/12, mb1mx3.9/19, ML4.3/2, MS3.6/1, Ms1 3.6/1, ms1mx2.8/24, Error ellipse: s-maj=31.9km s-min=12.4km az=66.0

NEIC 24 17:49:20.7, 1.1, 19.84N:120.55E, h44km, 11km, mb4.3/3, Error ellipse: s-maj=11.5km s-min=6.2km az=74.0

BUI 24 17:49:20.7, 19.80N-120.60E, h43km, mb4.2, mb4.3, Ms4.0, MS3.8

IDC 24 17:49:17.0, 4.19, 19.87N:0.03x120.42E, 0.05, h29km, h29km, 68km, 13.1N, 0.1x143.9E, 0.2, h120km, n18, 0.915, mb3.9/12, South of Mariana Islands region

MOS 24 18:13:07.1, 2.27.32N-56.28E, h33km, mb4.5/7, Error ellipse: s-maj=17.4km s-min=8.2km az=104.9

NEIC 24 18:13:13.9, 1.1, 27.59N-56.17E, h66km, 10km, mb4.6/32, Error ellipse: s-maj=7.2km s-min=5.0km az=183.0

ISC 24 18:13:06.1, 0.3, 27.37N, 0.05, 56.14E, 0.03, h21km, n144, s111/153, mb4.5/6, MS3.4/7, 8C-3D, Southern Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists various stations like AI-Qurain, Kabd, Umm Al-Rimmam, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists various stations like Makanchi Array, Chkalovo, Kurchatov, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists various stations like Damascus Unive, Qasniun, Raciborz, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Saint Croix, San Juan, Arcibio Observ, etc.

IDC 24 19:24:17.4, 1.8, 4.39S, 124.64E, mb3.7/2, mb1 3.8/3, mb1mx3.6/13, ML2.9/1, MS3.2/1, Ms1 3.2/1, ms1mx2.6/14, Error ellipse: s-maj=212.0km s-min=27.0km az=62.0, Banda Sea

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

WAR 24 19:44:48.6, 51.50N, 16.09E, h1km, Location given by Rudna mine, origin time based upon KSP PRU 24 19:44:49.1, 51.47N, 16.07E

NEIC 24 19:44:49.8, 1.2, 51.40N, 16.09E, h5km, ML2.7(VIE), ML2.2(BRG), Error ellipse: s-maj=12.6km s-min=7.1km az=197.0

ISC 24 19:44:46.6, 0.9, 51.46N, 0.05, 16.06E, 0.04, n15, e1833/31, 1C, Poland

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

MOS 24 19:55:49.3, 1.5, 54.36N, 125.83E, h10km, mb4.1/5, Error ellipse: s-maj=19.8km s-min=12.4km az=96.6

MOS Fell (I) at Zeya

IDC 24 19:55:49.9, 0.8, 54.30N, 125.74E, mb3.7/9, mb1 3.9/9, mb1mx3.8/20, MS3.3/2, Ms1 3.3/2, ms1mx2.8/25, Error ellipse: s-maj=25.8km s-min=19.1km az=85.0

SKHL 24 19:55:50.2, 1.0, 54.36N, 125.59E, h9km, 1km, mb4.9/6, ms4.5/1, Fell (II) at Zolotaya Gora

NEIC 24 19:55:50.8, 0.5, 54.39N, 125.52E, h10km, mb4.3/1, Error ellipse: s-maj=13.4km s-min=8.1km az=106.0

NEIC Fell (II) at Zeya

BUI 24 19:55:57.5, 53.65N, 125.60E, h10km, mb4.5, mb4.2, ML4.8, Ms4.0, Ms3.8

ISC 24 19:55:49.2, 0.3, 54.32N, 0.04, 125.72E, 0.04, h10km, n46, e137/60, mb4.0/12, MS3.5/4, 3C, Southeastern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Kirovskiy, Zeya, 360nm, 0.2s, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CLNS, CLNS, CLNS, Tupik, EKIM, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SOC, SOC, SOC, YKA, PDAR, WRA, ASAR, etc.

NEIC 24 20:29:39.4, 15.62N, 93.79W, h36km, MD4.0(MEX), After MEX

MEX 24 20:29:39.2, 15.60N, 93.80W, h35km, 999km, MD4.0, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like San Cristobal, Comitan, Matias Romero, Oaxaca, Vista Hermosa.

NEIC 24 20:31:13.7, 4.2, 13N, 2.61E, h10km, ML2.2(LDG), ML1.8(STR), MN2.0(MDD), After STR

STR 24 20:31:13.7, 0.4, 4.2, 13N, 2.61E, h10km, 1km, M11.8, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

MDD 24 20:31:13.3, 0.3, 4.2, 07N, 2.62E, h10km, mblg1.9/16, Error ellipse: s-maj=2.8km s-min=1.5km az=127.0 PRXIMO

LDG 24 20:31:13.0, 1.1, 4.2, 07N, 2.63E, h2km, M2.3/1, M12.2/6, Error ellipse: s-maj=1.9km s-min=1.2km az=124.0

ISC 24 20:31:10.7, 0.6, 42.03N, 0.02, 2.66E, 0.05, h9km, 4km, n31, e129/47, 1C, Pyrenees

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Fontmartina, Bruguera, La Jonquera, etc.

GUC 24 21:23:02.1, 0.8, 22.10S, 67.85W, h150km, ML5.0 SYO 24 21:23:02.1, 21.23S, 68.24W, h124km, MB4.7 NEIC 24 21:23:02.0, 2.0, 21.23S, 68.24W, mb4.7/26, Error ellipse: s-maj=8.4km s-min=5.2km az=77.0 BUI 24 21:23:02.1, 21.20S, 68.20W, h124km, mb5.2 IDC 24 21:23:02.0, 0.6, 21.13S, 68.31W, h129km, 4km, mb4.5/17, mb1 4.6/19, mb1mx4.6/20, MS3.5/3, Ms1 3.6/3, ms1mx3.3/19, Error ellipse: s-maj=20.3km s-min=10.6km az=82.0 ISC 24 21:23:00.9, 0.2, 21.22S, 0.03, 68.23W, 0.05, h125km, h125km, 9km, p-P, n130, e129/104, mb4.7/45, 5C-9D, Chile-Bolivia border region

24d 22h

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Limon Verde, Antofagasta, Cerro Pamul, La Paz, etc.

2004 MAR

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

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



Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Includes stations like TRTC Tortuguero, JTS JuntasAbangare, JCR Volcan Irazu, etc.

NEIC 25 02:08:21.2, 19.85N-65.68W, h25km, MD3.5(RSPR), After RSPR.

RSPR 25 02:08:21.2, 19.85N-65.68W, h25km, 31km, M3.5, 7C-4D, Puerto Rico region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Includes stations like CBYP Canovanas, CSB Canoniza Sabana, etc.

OBIP Obispado Ponce 2.00 2061 eP Pn 02 08 51.3 -2.7
OBIP Obispado Ponce 2.00 206 S Sn 02 09 13.1 -5.4
MGP Maguayo 2.26 216f eP Pn 02 08 55.2 -2.6

IDC 25 02:18:47.3: 1.4, 2.27N: 125.45E, mb4.0/5, mb1 4.2/5, mb1 mx3.9/15, Error ellipse: s-maj=166.0km s-min=18.6km az=64.0
NEIC 25 02:18:48.1: 0.6, 2.49N: 125.86E, h10km, mb4.9/1, Error ellipse: s-maj=37.4km s-min=9.9km az=63.0

ISC 25 02:18:46.5: 0.7, 2.5N: 0.2, 125.8E: 0.3, h10km, n11, c0570/11, mb4.1/6, Talaud Islands

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

NEIC 25 02:39:31.3: 2.5, 5.00S: 150.34E, h46km, 26km, mb4.3/1, Error ellipse: s-maj=90.0km s-min=9.0km az=138.0

IDC 25 02:39:32.1: 6.1, 5.32S: 150.64E, h54km, 57km, mb3.4/4, mb1 3.8/5, mb1 mx3.6/13, ML2.9/1, MS3.3/1, Ms1 3.3/1, ms1 mx2.8/15, Error ellipse: s-maj=127.0km s-min=33.5km az=129.0

ISC 25 02:39:30.6: 3.1, 5.2S: 0.6, 150.4E: 0.6, h49km, 31km, n9, c061/11, mb3.7/5, New Britain region

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

HLW 25 02:48:35.8, 30.54N: 31.74E, h25km, Mb3.7, 8C-1D, Egypt

NEIC 25 03:07:45.3, 36.86N: 4.63W, h23km, MN2.5(MDD), After MDD. INMG 25 03:07:45.3: 1.6, 36.94N: 4.67W, h29km, 6km, ML2.5, Error ellipse: s-maj=3.8km s-min=2.6km az=163.0

MDD 25 03:07:45.4: 0.3, 36.87N: 4.62W, h24km, 1km, mLg2.4/15, Error ellipse: s-maj=4.0km s-min=1.9km az=161.0, PRXIMO

ISC 25 03:07:43.9: 0.4, 37.05N: 0.03, 4.70W: 0.03, h24km, n37, c126/61, 1C-1D, Spain

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Includes stations like EMAL Malaga-Limoner, ELOJ Sierra Lloja, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Includes stations like EBER Berja, EQES Quesada, EQES 0.7m, 0.2s, SNR=5.8, etc.

IDC 25 03:13:13.9: 1.0, 19.45S: 173.52W, mb4.3/12, mb1 4.5/13, mb1 mx4.5/18, ML4.9/1, MS3.5/1, Ms1 3.5/1, ms1 mx3.0/21, Error ellipse: s-maj=45.9km s-min=18.2km az=147.0

NEIC 25 03:13:30.5: 0.4, 19.82S: 173.60W, h145km, mb4.7/8, Error ellipse: s-maj=16.4km s-min=8.2km az=142.0

ISC 25 03:13:29.3: 0.6, 19.85S: 0.1, 173.7W: 0.1, h145km, n29, c086/26, mb4.2/17, Tonga Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Includes stations like RAR Rarotonga, RAR Rarotonga, URZ Urewea, etc.



ELZG Elazig 146.21 310 i P PKPdf 03 32 59.1 +7.7
MALT Malatya 146.69 310 ePKPdf 03 32 53.9 +1.7

IDC 25 03:21:28.7,2.0, 40.46Sx174.51E, h90km,27km,mb3.3/2,
mb1 3.4/4,mb1mx3.4/12, Error ellipse: s-maj=65.2km
s-min=16.5km az=135.0
SYO 25 03:21:29.7, 40.50S:174.39E, h100km,MB4.8,
NEIC 25 03:21:29.7, 40.50S:174.39E, h100km,mb4.8/1,
ML4.3(WEL),AR,WEL

WEL 25 03:21:29.7, 40.2, 40.48S:174.38E, h98km,27km, ML4.2/5,
Error ellipse: s-maj=1.1km s-min=0.5km az=0.0
ISC 25 03:21:28.4,0.3, 40.50S:0.02-174.39E:0.04, h102km,4km,
n91,c093/110,mb4.0/3,3C-6D, Cook Strait

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists various stations like DIW, KIW, MRW, etc.

CMAR Chiang Mai Arr 28.67 342 LR 03 34 39.8
ASAR Alice Springs 28.85 124 P 03 31 26.5 +0.2
STKA Stepihoy Creek 38.87 171 P 03 32 51.7 +0.5
ULN Ulanbaatar 56.61 359 eP 03 35 10.6 -0.2

IDC 25 03:47:07.9, 7.6, 6.78S:127.59E, h429km,99km,mb2.8/2,
mb1 3.1/5,mb1mx3.0/12, Error ellipse: s-maj=100.0km
s-min=33.1km az=49.0
NEIC 25 03:47:08.8, 7.1, 6.88S:127.47E, h441km,41km,mb4.7/2,
Error ellipse: s-maj=37.5km s-min=17.5km az=204.0
ISC 25 03:47:07.2, 1.3, 6.95S:0.2-127.5E:0.2, h441km, n9,

Code Station Name Az AzZ Phase ID Time Res ISC. Lists stations like FITZ, WRAB, WRA, etc.

IDC 25 04:10:52.6, 3.4, 25.68S:177.10W, mb3.8/3, mb1 4.1/3,
mb1mx3.8/12, Error ellipse: s-maj=85.6km s-min=39.3km
az=42.0
ISC 25 04:10:50.2, 4.8, 25.1S:0.8:176.4W:0.6, h33km, n8,
c1505/7, mb3.8/3, 1C-3D, South of Fiji Islands

Code Station Name Az AzZ Phase ID Time Res ISC. Lists stations like ASAR, WRA, VWA, etc.

IDC 25 04:17:01.4, 6.4, 6.97S:129.44E, h167km,61km,mb3.2/1,
mb1 3.3/4,mb1mx3.2/12, Error ellipse: s-maj=87.6km
s-min=26.2km az=68.0
ISC 25 04:17:02.4, 5.7, 3.35S:0.2-129.3E:0.2, h236km,51km, n4,
c124/7, mb3.3/1, Banda Sea

Code Station Name Az AzZ Phase ID Time Res ISC. Lists stations like FITZ, WRA, WRA, etc.

IDC 25 04:23:46.0, 1.5, 0.12N:124.50E, mb3.5/3, mb1 3.7/3,
mb1mx3.7/16, Error ellipse: s-maj=204.0km
s-min=24.5km az=63.0, Minahasa Peninsula, Sulawesi

Code Station Name Az AzZ Phase ID Time Res ISC. Lists stations like WRA, ASAR, etc.

IDC 25 04:46:33.0, 1.2, 13.26N:122.02E, mb3.6/5, mb1 3.8/5,
mb1mx3.7/16, Error ellipse: s-maj=50.6km s-min=16.5km
MAN 25 04:46:35.3, 13.32N:121.93E, h92km, mb4.1, ML2.9, MS2.6
ISC 25 04:46:35.0, 0.8, 13.28N:0.04-121.97E:0.05, h14km,5km,
n21,c109/28,mb3.6/5,3C-3D, Mindoro

Code Station Name Az AzZ Phase ID Time Res ISC. Lists stations like BOAC, AUOP, etc.

ISC 25 05:15:02.0, 3.7, 13.0N:0.3x125.4E:0.5, h40km,30km, n5,
c135/7, mb3.8/3, Samar

NEIC 25 05:32:24.2, 61.42N:3.72E, h15km, ML2.1(BER), After
5ER.
BER 25 05:32:24.8, 4.2, 61.42N:3.84E, h15km,14km, MD2.2,
ML2.1, ML2.7(NAO)
NAO 25 05:32:25.3, 10.0, 61.11N:4.10E, h27km,74km, ML2.7
ISC 25 05:32:28.1, 4.1, 61.48N:0.05-3.8E:0.2, h9km,6km, n16,
c089/35,2C, Norwegian Sea

Code Station Name Az AzZ Phase ID Time Res ISC. Lists stations like SUE, HYA, etc.

ISC 25 05:32:28.1, 4.1, 61.48N:0.05-3.8E:0.2, h9km,6km, n16,
c089/35,2C, Norwegian Sea

Code Station Name Az AzZ Phase ID Time Res ISC. Lists stations like SUE, HYA, etc.

IDC 25 06:37:09.8, 1.2, 2.24S:140.04E, mb3.8/6, mb1 4.1/7,
mb1mx4.0/13, ML4.1/1, Error ellipse: s-maj=40.4km
s-min=22.3km az=95.0
NEIC 25 06:37:16.0, 0.7, 2.53S:139.82E, h45km, mb4.4/3, Error
ellipse: s-maj=26.9km s-min=11.5km az=104.0
ISC 25 06:37:17.3, 5.2, 2.65S:0.2-139.5E:0.2, h54km,51km, n14,
c098/14, mb4.0/7, Near north coast of Iran

Code Station Name Az AzZ Phase ID Time Res ISC. Lists stations like KAKA, WRAB, etc.

IDC 25 06:37:09.8, 1.2, 2.24S:140.04E, mb3.8/6, mb1 4.1/7,
mb1mx4.0/13, ML4.1/1, Error ellipse: s-maj=40.4km
s-min=22.3km az=95.0
NEIC 25 06:37:16.0, 0.7, 2.53S:139.82E, h45km, mb4.4/3, Error
ellipse: s-maj=26.9km s-min=11.5km az=104.0
ISC 25 06:37:17.3, 5.2, 2.65S:0.2-139.5E:0.2, h54km,51km, n14,
c098/14, mb4.0/7, Near north coast of Iran

Code Station Name Az AzZ Phase ID Time Res ISC. Lists stations like KAKA, WRAB, etc.

IDC 25 06:38:50.1, 0.9, 34.16N:101.09E, mb3.8/9, mb1 4.1/11,
mb1mx4.0/19, ML4.0/1, MS3.3/6, Ms1 3.4/8, ms1mx3.3/28,
Error ellipse: s-maj=41.6km s-min=17.0km az=60.0
MOS 25 06:38:53.2, 1.6, 34.10N:100.81E, h33km, mb4.3/2, Error
ellipse: s-maj=22.0km s-min=11.3km az=92.2
BUJ 25 06:38:54.2, 34.11N:101.04E, h33km, mb4.4, mb4.4,
ML4.2, Ms4.1, Ms3.7

Code Station Name Az AzZ Phase ID Time Res ISC. Lists stations like KAKA, WRAB, etc.

NEIC 25 06:38:55.2, 2.7, 34.13N:100.91E, h33km,21km, mb4.4/1,
Error ellipse: s-maj=10.2km s-min=8.3km az=70.0
ISC 25 06:39:49.3, 3.7, 34.04N:0.06-100.85E:0.07, h11km,25km,
n35,c190/23,mb3.9/12, MS3.3/4, Qinghai

Code Station Name Az AzZ Phase ID Time Res ISC. Lists stations like CD2, ENH, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Ulanbaatar, KKN Kakani, PKN Pulchoki, DMN Daman, GORKE Gorke, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like CD2 comp=N,670nm,19.3s, ENH Enshi, ENH ENH, AS12 Alice Springs, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like KIV comp=E,30nm,20.0s, MLR MLR, MALT Malaya, LSZ comp=E,5.5nm,1.0s,mb4.5, etc.

IDC 25 06:54:39.4,28.0,22.84S,179.80W,h599km,272km, mb3.0/4,mb1 3.2/4,mb1mx3.0/13, Error ellipse: s-maj=221.0km s-min=100.1km az=83.0,South of Fiji Islands

Code Station Name Az Phase ID Time Res ISC. Includes stations like CTA Charters Tower, STKA Stephens Creek, ASAR Alice Springs, etc.

Code Station Name Az Phase ID Time Res ISC. Includes stations like BILL Bilibino, JUF Juwauku, SJO Soanaru, etc.

BUI 25 07:00:52.2, 5.69S x 102.11E, h55km, mb5.0, mb5.2, MS4.6, MS4.4

KZA Kyzart, ULN Ulanbaatar, ULN Ulanbaatar, CN2 Changchung, CN2 comp=N,400nm,20.0s,MS4.6, etc.

ARCES ARCES Array B, MORC Moravy Creek, VNA2 Neumayer-Watz, VNA2 Neumayer-Watz, VNA2 Neumayer-Watz, etc.

SYO 25 07:00:54.1, 5.11S, 101.94E, h28km, MB4.9, MS4.3

MAJO Matsushiro, MAT Matsushiro, MAT Matsushiro, KBK Karagaybulak, AML Almayashu, AAK Ala-Archa, etc.

RES Resolute Bay, YKA Yellowknife Arr, SCHO Schefferville, NVAR Mina Array Bea, ULM Lac du Bonnet, etc.

HRVD 25 07:00:54.2, 1.3, 5.40S, 101.75E, h32km, MW4.8/29, Centroid moment Tensor Solution, LLP body waves:

MOS 25 07:00:57.0, 0.8, 4.1S, 102.01E, h33km, mb5.4/14 Error ellipse: s-maj=31.5km s-min=11.2km az=103.1

USP USpenovka, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, etc.

NEN Nelson, SDCO Great Sand Dun, ANMO Albuquerque, ACOS Alchuk Creek, WNOK Wichita Mouna, CCM Cathedral Cave, etc.

ISC 25 07:00:51.8, 1.9, 5.05S, 0.05S-102.04E, 0.05, h21km, 12km, n154, r1900/124, mb5.0/61, MS4.1/16, 8C-10U, Southern Sumatera

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Code Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like PGI Padang Panjang, KPM Kluang, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like ZAK Zakamensk, KAR Karatay Array, MOY Mondt, KURK Kurchatov, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like SIUC Southern Illin, WCI Wyandotte Cave, MIAR Mount Ida, etc.

NEIC 25 07:20:58.8, 35.01N-3.98W, MG3.8(MDD), After MDD. MDD 25 07:20:58.8, 1.2, 35.01N-3.98W, mb3.8/18, Error ellipse: s-maj=12.5km s-min=5.4km az=13.0, Aftershock/CLIPCA

INMG 25 07:20:59.6, 1.1, 34.88N-4.00W, h47km, 8km, ML2.8, Error ellipse: s-maj=6.0km s-min=3.9km az=7.0

ISC 25 07:20:57.8, 0.8, 35.06N, 0.05S-4.07W, 0.03, h10km, n39, r1544/68, Strait of Gibraltar

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ELOJ, LJJA, LUJA, ELIJ, SIERRA DE LJA, etc.

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

ICD 25 07:50:25.7z-2.9, 5.55S; 146.47E, h40km, 26km, mb3.8/8, mb1 4.0/11, mb1mx0.4/0.15, ML3.8/3, MS3.2/4, Ms1 3.1/4, ms1mx3.1/12, Error ellipse: s-maj=25.0km s-min=13.9km az=103.0

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like STKA, CMAR, VND, MKAR, MCK, GSPA, COLA, ILAR, BVAR, BDFB, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EMEL, EBER, ELBU, ELU, EGES, EMIN, EGRO, EGRO, etc.

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

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

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

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

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

HEL 25 09:32:28.5z0.3, 61.11N; 29.90E, ML1.5, ML2.0(NAO), Explosion

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

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

MOS 25 09:41:02.6z 6.2, 49.89N; 87.82E, h15km, mb4.4/1, Error ellipse: s-maj=20.7km s-min=12.4km az=107.2

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

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

Table with 5 columns: SOC, SOC, SOC, SOC, SOC. Values include e, eS, eSS, eSSS, S, SS, SSS and numerical coordinates like 09 48 50.7, 09 52 49.4, etc.

SYO 25 09:57:33.3, 35.575, 105.12W, h10km, MB4.6
NEIC 25 09:57:33.0, 35.575, 105.12W, h10km, mb4.6/10,
Error ellipse: s-maj=17.2km s-min=11.7km az=81.0

BUI 25 09:57:33.3, 35.605, 105.10W, h10km, MS5.1, Msz4.6
IDC 25 09:57:33.7, 0.9, 34.965, 104.95W, mb4.2/10, mb1.4/4/10,
mb1mx4.3/15, MS4.7/15, Ms1.4.6/15, ms1mx4.5/18, Error ellipse: s-maj=27.6km s-min=26.1km az=40.0

ISC 25 09:57:32.2, 0.6, 35.475, 105.10W, 0.1, h10km,
(h11km, 1.0km, pp-P), n61, s121/44, mb4.3/17, MS4.7/16,
3C-2D, Southern East Pacific Rise

Main table for the first page containing station names, coordinates, and various parameters like Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC.

Table for the second page containing station names, coordinates, and various parameters like Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC.

IDC 25 10:24:27.7, 7.7, 30.435, 177.34W, h43km, 71km, mb4.3/6,
mb1.4.5/8, mb1mx4.1/17, ML4.2/2, Error ellipse:
s-maj=58.4km s-min=28.7km az=1.0

NEIC 25 10:24:28.7, 3.5, 29.885, 177.59W, h42km, 28km, mb5.0/4,
Error ellipse: s-maj=24.3km s-min=12.2km az=220.0

ISC 25 10:24:30.6, 2.5, 30.605, 177.1W, 0.1, h43km, 21km,
n36, s151/34, mb4.5/8, 1C-1D, Kermadec Islands

Main table for the second page containing station names, coordinates, and various parameters like Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC.

IDC 25 10:35:38.8, 8.4, 16.305, 170.93W, mb3.6/3, mb1.3.9/3,
mb1mx3.6/15, Error ellipse: s-maj=365.0km
s-min=38.8km az=139.0, Samoa Islands region

MEX 25 10:39:20.8, 1.0, 17.00N, 95.07W, h4km, 9km, MD4.0
NEIC 25 10:39:20.4, 16.94N, 95.06W, h2km, MD3.9(MEX), After MEX.

ISC 25 10:39:18.6, 1.6, 16.9N, 0.1, 95.07W, 0.05, h16km, 16km,
n10, s981/16, Oaxaca

Main table for the third page containing station names, coordinates, and various parameters like Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC.

IDC 25 10:50:57.0, 2.0, 24.205, 175.66W, mb4.2/8, mb1.4.5/10,
mb1mx4.3/17, ML4.2/2, MS4.0/1, Ms1.4.0/1, ms1mx3.3/15,
Error ellipse: s-maj=100.0km s-min=21.5km az=162.0

SYO 25 10:51:05.8, 23.96S, 175.88W, h64km, MB4.6
NEIC 25 10:51:05.9, 3.4, 23.96S, 175.88W, h64km, mb3.6/9,
Error ellipse: s-maj=15.8km s-min=13.0km az=194.0

ISC 25 10:51:02.5, 3.23, 9S, 175.9W, 0.1, h45km, 46km, n26,
s691/24, mb4.3/15, MS3.8/1, 4D, Tonga Islands region

Main table for the third page containing station names, coordinates, and various parameters like Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC.

Table for the fourth page containing station names, coordinates, and various parameters like Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC.

SYO 25 10:58:53.4, 16.59S, 172.70W, h45km, MB4.8
NEIC 25 10:58:53.4, 0.3, 16.59S, 172.70W, h45km, mb4.8/15,
Error ellipse: s-maj=14.9km s-min=7.5km az=141.0

BUI 25 10:58:53.4, 16.60S, 172.70W, h45km, MB5.1, mb4.8,
Ms4.9, Msz4.3
IDC 25 10:58:56.2, 2.9, 16.54S, 172.78W, h68km, 25km, mb4.3/14,
mb1.4.5/15, mb1mx4.5/20, MS4.1/5, Ms1.4.1/5,
ms1mx3.7/16, Error ellipse: s-maj=22.0km s-min=11.6km
az=136.0

ISC 25 10:58:53.8, 2.9, 16.45S, 0.08, 172.77W, 0.09,
n61 km, 25km, n93, s13/54, mb4.7/26, 6C-4D, Samoa Islands region

Main table for the fourth page containing station names, coordinates, and various parameters like Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC.

IDC 25 10:58:53.8, 2.9, 16.45S, 0.08, 172.77W, 0.09,
n61 km, 25km, n93, s13/54, mb4.7/26, 6C-4D, Samoa Islands region

MEX 25 10:39:20.8, 1.0, 17.00N, 95.07W, h4km, 9km, MD4.0
NEIC 25 10:39:20.4, 16.94N, 95.06W, h2km, MD3.9(MEX), After MEX.

ISC 25 10:39:18.6, 1.6, 16.9N, 0.1, 95.07W, 0.05, h16km, 16km,
n10, s981/16, Oaxaca

Main table for the fifth page containing station names, coordinates, and various parameters like Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Kangasniemi, Hardwe Ranch, NLU Toone Canyon, etc.

TAP 25 13:07:28.6, 24.78N, 122.42E, h120km, ML3.1
JMA 25 13:07:29.0, 24.2, 24.96N, 122.42E, h117km, M2.1
ISC 25 13:07:28.9, 0.3, 24.9N, 0.4, 122.4E, 0.2, h118km, 28km, m6, a0543(9), Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like UBT Ubrachathani, ARMA Armidale, JOY Yonaguni jima, etc.

DJA 25 13:34:55.2, 1.0, 6.82S, 130.26E, h500km, MD4.7/3, Error ellipse: s-maj=45.7km s-min=8.6km az=144.0
BJJ 25 13:35:08.8, 6.22S, 129.31E, h242km, mb4.9, mb5.0
SYO 25 13:35:10.3, 6.18S, 129.12E, h229km, MB5.1
NEIC 25 13:35:10.3, 0.1, 6.18S, 129.12E, mb5.1/40, Error ellipse: s-maj=4.8km s-min=3.3km az=70.0
HRVD 25 13:35:10.3, 0.2, 6.25S, 129.13E, h246km, 1km, MW5.5/75, Centroid moment Tensor Solution. LP body waves: s65, c115, Mantle waves: s75, c147, Half duration: 1s4
Mentor tensor: Scale 1017Nm; Mr: 1.85e+04; Mw: 2.34e+04; Mo: 0.49e+04; Mo: 1.19e+04; Mo: 0.19e+04; Best double couple: Mo: 2.42e+017 NP1=83.3, 331.7, 179.7, NP2=276.8, 060.0, 139.7. Principal axes: T: 2.18, P: 1.71, N: 1.47, Azm: 20.0, P: 1.47, Azm: 93.7, P: 2.68, P: 1.57, Azm: 17.1, nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
IDC 25 13:35:10.0, 0.7, 6.17S, 129.11E, h230km, mb4.8/20, mb1.4/9.24, mb1mx4.9/25 Error ellipse: s-maj=12.8km s-min=6.6km az=66.0
MOS 25 13:35:14.5, 0.9, 5.70S, 129.14E, h260km, mb5.1/13, Error ellipse: s-maj=35.1km s-min=13.1km az=107.4
ISC 25 13:35:10.3, 0.5, 6.21S, 0.02, 129.07E, 0.03, h240km, 5km, h230km, 2.3km, pP-P, n349, r1507/259, mb5.1/90, 32C-28D,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SWI Sorong, KAKA Kakadu, KAKA FITZ Fitzroy Crossi, etc.

Table with columns: KALP Kalibo, GGP Guinayanang, PGP Puerto Galera, LQP Lukban, CTA Charters Tower, etc. Includes stations like CTA Charters Tower, CTG Tagaytay City, CTG Tagaytay City, etc.

Table with columns: VIS Vishakhapatnam, MSZ Milford Sound, DSZ Deep Cove, ASAJ Asakawa, etc. Includes stations like VIS Vishakhapatnam, MSZ Milford Sound, DSZ Deep Cove, etc.

Table with columns: Station, Time, Res, and various status indicators. Includes stations like KURK, NVS, VNA, SBA, MAW, etc.

Table with columns: Station, Time, Res, and various status indicators. Includes stations like MAL, ASF, SNA, DAW, etc.

Table with columns: Station, Time, Res, and various status indicators. Includes stations like GDL, CPR, CLNB, TXAR, etc.







25d 19h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like ESAC San Caprisio, SALF Salu, EMIR Miracle, EPOB Poble, MTLF Montoliou, ERTA Horta de San J, etc.

ADC 25 15:22:28.0t.1.0.8.92N.40.37W, mb4.2/11, mb1 4.3/11, mb1mx4.1/19, MS3.9/14, Ms1 3.9/14, ms1mx3.8/17, Error ellipse: s-maj=31.2km s-min=20.0km az=117.0

Main table for 25d 19h with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like BDFB Brasilia, SJB San Juan, ROJC El Rosal, DBIC Dimbokro, LPAZ La Paz, CPUP Villa Florida, LUPA Lehig Unvers, ESDC Sonseca Array, SDMD Soldier's Del, SCHO Schefferville, ULM Lac du Bonnet, LTX Lajitas, TXAR Lajitas Array, CPXK Cap Rock, GDLL Guadalupe Moun, PSZ Piskzesteto, NB2 NORSAR Subarra, NOA NORSAR Array B, IDI Anoyia, HFS Hagsfjall, LADZ Ladrone, PDAR Pinedale Array, FINES FINESS Array B, SUR Sutherland, ARCES ARCESS Array B, YKA Yellowknife Arr, YKW3 Yellowknife Arr, NVAR Mina Array Bea, ILAR Alice Springs, SYO Syowa Base.

NEIC 25 15:53:31.8, 38.51N-23.59E, h5km, ML2.7(ATH), After ATH. THE 25 15:53:35.2, 38.58N-23.87E, h15km, ML2.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like PTL Penteli, ATH Athens Observa, AOS Alonnissos, XOR Xorichti, AGG Agios Georgios, PAIG Paliouris, PLG Apeiranthos, LIT Litokhoron, LVI Velia, ITMI Ithomi, KNT Kendrickon.

ADC 25 16:21:41.5t.2.8.9.99S-161.78E, mb3.8/4, mb1 4.0/4, mb1mx3.8/15, MS3.2/1, Ms1 3.2/1, ms1mx2.7/21, Error ellipse: s-maj=148.0km s-min=28.4km az=140.0, Bougainville - Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, ILAR Alice Springs, ARCES ARCESS Array B.

ADC 25 16:43:30.2t.5.2.41N-99.15E, mb3.6/3, mb1 3.8/3, mb1mx3.7/14, MS3.6/1, Ms1 3.5/1, ms1mx2.7/21, Error ellipse: s-maj=300.0km s-min=26.0km az=55.0,

2004 MAR

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

ADC 25 17:00:26.0t.7.4.25.63N x109.71W, mb1 3.8/3, mb1mx3.5/18, ML3.4/1, Error ellipse: s-maj=90.4km s-min=27.0km az=175.0, Gulf of California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like TXAR Lajitas Array, NVAR Mina Array Bea, PDAR Pinedale Array.

MEX 25 17:12:37.4t.0.8.17.10N-95.00W, h24km, 10km, MD4.3 NEIC 25 17:12:37.4, 17.10N-95.00W, h25km, mb3.9/1, MD4.3(MEX), After MEX.

Main table for 2004 MAR with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like CMIG Matias Romero, EVV El Vigia, OXX Oaxaca, VHO Vista Hermosa, SCX San Cristobal, CCIG Comitlan, POHV Veracruz, IHSM Ciudad Serdan, LVIG Laguna Verde, PPM Popocatepetl, YAIY Yautepex, PLIG Platanillo, PLIG Platanillo, AXC Acapulco, CAIG El Cayaco, ZIG Zihuatanejo, TEIG Tepich, JTS JuntasAbangare, JCT Junction City, TXAR Lajitas Array, CLNB Carsbad, GDLL Guadalupe Moun, PDAR Pinedale Array, NVAR Mina Array Bea, HMD Halley, MCMT McKenzie Cayno, YKA Yellowknife Arr, RAR Rarotonga.

KRSC 25 17:24:09.2t.0.8.50.70N-157.79E, h40km=51km, ML3.8 ADC 25 17:24:08.1t.0.50.70N-157.79E, h40km, n18, t051043, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like PAU Pauzhetka, SKR Severo-Kuril's, ALID Alaid, MIPR Malaya Ipe'l'ka, RUS Russkaya, GRL Gorelyy, KRMR Karymsinskiy, PET Petropavlovsk, UGLR Uglovaya, UGLR Avacha, SVAR Somma, KOK Koryka, NLC Nalytchevo, SDLR Sedlovina, SPN Mys Shipunski, GNL Ganaly, MKZ Mys Kozlova, MOR8 Moi Rana.

ADC 25 17:31:37.7t.24.0.17.91S-174.85W, mb4.1/4, mb1 4.4/4, mb1mx3.9/14, Error ellipse: s-maj=462.0km s-min=55.0km az=64.0, Tonga 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, WB2 Warramunga Arr, WRA Warramunga Arr, AS12 Alice Springs, ASAR Alice Springs.

ADC 25 17:47:20.0t.3.6.48.46N-152.85E, h171km, 35km, mb3.1/8, mb1 3.4/9, mb1mx3.3/21, Error ellipse: s-maj=25.8km s-min=17.3km az=152.0

ADC 25 17:47:19.4t.2.9.48.58N-152.8E, 0.2, h183km, 31km, n9, t05493, mb3.3/8, Kuril Islands

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like ASAJ Asahikawa, ILAR Yellowknife Arr, MKAR Makanchi Array, MKAR Warramunga Arr, BVAR Borovoye Array, YKA Yellowknife Arr, FINES FINESS Array B, PDAR Pinedale Array, WRA Warramunga Arr, TXAR Lajitas Array.

ADC 25 17:51:01.4t.1.6.16.71S-178.03W, mb4.2/5, mb1 4.5/5, mb1mx4.2/13, Error ellipse: s-maj=143.0km s-min=25.3km az=153.0, NEIC 25 17:52:00.2t.0.9.15.78S-179.23W, h500km, mb4.2/3, Error ellipse: s-maj=44.5km s-min=19.3km az=160.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like CTAO Charters Tower, STKA Stephens Creek, WB2 Warramunga Arr, WRA Warramunga Arr, AS12 Alice Springs, MBWA Mawbar, VNA Vanda, LTX Lajitas, TXAR Lajitas Array, PDAR Pinedale Array.

ADC 25 18:10:11.7t.2.1.5.89S-130.19E, mb3.7/1, mb1 3.8/4, mb1mx3.6/12, ML3.1/3, Error ellipse: s-maj=96.5km s-min=27.3km az=76.0, Banda Sea

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

ADC 25 18:50:10.3t.3.4.25.61S-179.78E, h495km, 32km, mb3.3/6, mb1 3.5/7, mb1mx3.4/14, Error ellipse: s-maj=43.4km s-min=26.8km az=7.0

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, ASAR Alice Springs, WRA Warramunga Arr, FITZ Fitzroy Crossi, TXAR Lajitas Array, ARCES ARCESS Array B.

ADC 25 18:53:02.2t.6.4.6.56S-107.00E, mb3.8/3, mb1 3.9/3, mb1mx3.8/13, Error ellipse: s-maj=435.0km s-min=28.0km az=53.0, Jawa

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

TAP 25 18:54:02.5, 22.68N-121.42E, h13km, ML3.5, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like ASAR Alice Springs, PMG Port Moresby, WB2 Warramunga Arr, WRA Warramunga Arr, FITZ Fitzroy Crossi, ASAR Alice Springs, MKAR Makanchi Array.

ADC 25 18:55:55.1t.2.1.3.40S-140.25E, mb3.5/3, mb1 3.8/5, mb1mx3.7/13, ML3.4/2, Error ellipse: s-maj=46.4km s-min=30.9km az=78.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like PMG Port Moresby, WB2 Warramunga Arr, WRA Warramunga Arr, FITZ Fitzroy Crossi, ASAR Alice Springs, MKAR Makanchi Array.

NEIC 25 19:04:46.6t.0.3.43.80N-105.23W, mb4.2/1, ML3.5, Error ellipse: s-maj=4.7km s-min=4.0km az=167.0, Suspected Mining explosion.

NEIC 60 km [35 miles] SSE of Gillette, IDC 25 19:04:48.0, 3.9, 43.81N-105.55W, h11km, Mb4.0/3, mb1.4/0.7, mb1mx3/8/18, ML3.6/4, Error ellipse: s-maj=61.0km s-min=9.4km az=146.0

IGIL 25 19:30:50.5, 36.0, 39.60N-40.90E, h0km, MS5.0, ISC 25 19:30:47.0, 1.1, 39.93N-40.10E, h0km, (h15km, 2.6km; p-P, 1.733, n=1842753, mb5.0/170, MS5.4/133, 47C-33D, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like R5SD, B606, PDAR, etc.

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

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

NIED 25 19:07:23.2, 20.50N, 120.60E, h11km, Mw4.2, Best double couple: M2.1 x 10^15 NPl, 219, 866, 142. NPF: 312, 352, 4.5

IGIL 25 19:30:50.5, 36.0, 39.60N-40.90E, h0km, MS5.0, ISC 25 19:30:47.0, 1.1, 39.93N-40.10E, h0km

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

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

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

JMA 25 19:07:05.0, 4.2, 23.47N-120.57E, h116km, M4.0, NEIC 25 19:07:07.0, 1.0, 23.31N-120.77E, h38km, Mb4.0/4, Error ellipse: s-maj=9.6km s-min=8.5km az=114.0

IGIL 25 19:30:50.5, 36.0, 39.60N-40.90E, h0km, MS5.0, ISC 25 19:30:47.0, 1.1, 39.93N-40.10E, h0km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like CHN4, WTP, CHN2, etc.

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

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

BUI 25 19:07:12.9, 23.86N-120.14E, h38km, Mb4.3, mb4.1, M4.5, Ms4.0, Ms3.8

IGIL 25 19:30:50.5, 36.0, 39.60N-40.90E, h0km, MS5.0, ISC 25 19:30:47.0, 1.1, 39.93N-40.10E, h0km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like CHN4, WTP, CHN2, etc.

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

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

NSSC 25 19:30:39.6, 40.73N-41.32E, h38km, ISC 25 19:30:46.3, 39.92N-40.82E, h61km, ML5.4, MSZ 25 19:30:47.9, 1.4, 39.94N-40.92E, h10km, mb5.2/39, az=119.8, Error ellipse: s-maj=4.9km s-min=3.3km

IGIL 25 19:30:50.5, 36.0, 39.60N-40.90E, h0km, MS5.0, ISC 25 19:30:47.0, 1.1, 39.93N-40.10E, h0km

25d 19h

Table with columns for station call signs (e.g., MAK, BALT, PHNC), frequencies, and various status indicators (e.g., M, P, S, LR).

2004 MAR

Table with columns for station call signs (e.g., EVR, SKO, BIA), frequencies, and various status indicators (e.g., P, M, S, LR).

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Table with columns for station call signs (e.g., MTTG, CSSN, ARSA), frequencies, and various status indicators (e.g., P, S, M, LR).



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

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

Table with columns for station name, frequency, power, and other technical details. Includes stations like LSZ, NST, Nakhon Sawan, Changchun, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like COLA, ILAR, YKA, DAWY, MCK, HRV, NCB, TOA, SML, PWA, SVW, FIB, DIV, EYAK, BINY, BBSR, DLBC, ERPA, SSPA, ULM, UNV, CBN, AAM, ACSO, BLA, JFWS, WCI, NHSC, NEW, NEW, HRY, CHMT, RSSD, RSSD, GOGA, WVT, WVT, WVT, WVT, CCM, SJJ, SJJ, BOZ, OCWA, PLAL, HAWA, LRL, OXF, BW06, PDAR, PDAR, DWPF, CBKS, AHID.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like AHID, HLID, MIAR, ISCO, HWUT, SDCO, MOD, WMOK, YBH, BMN, MSU, MVU, WDC, BDFB, HKT, TPH, HOPS, CMB, WUAZ, JCT, NWAO, DAC, SAO, TUC, LTX, PFO, WRA, WRAB, PMG, SYO, CTAO, LPAZ, STKA, LVC, EFI, PLCA, QSPA, VVDA, SBA, SNZO, URZ, ERZM, BINT, GUMT, AGRT, BTMT, ELZG, DIY, MYA, TVAN, ERZM, BINT, GUMT, AGRT, BTMT, KARS.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like ELZG, DIY, MYA, TVAN, ISK 25 19:45:26.9, ISK 25 19:52:47.0, IDC 25 19:54:02.6, NEIC 25 19:54:03.7, ISK 25 19:54:13.0, FITZ, WRA, WRA, WRA, WB2, ASAR, CM31, LSA, MKAR, MKAR, NNC 25 20:18:20.1, MK31, MK31, MK31, KURK, KURK, VOSK, CHKZ, BVA0, BRVK, IDC 25 20:23:43.7, ISK 25 20:23:47.0, STKA, WTKA, ASAR, ILAR, MKAR, MOS 25 20:40:48.3, CSEM 25 20:40:49.7, IDC 25 20:40:50.4, ZUR\_RM 25 20:40:52.34, NIC 25 20:40:52.8, ATH 25 20:40:53.1, NIC 25 20:40:56.3, ISK 25 20:50:57.0.

25.20h

2004 MAR

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, GNI, MLR, MLR, MOX, pmax, pmax. Contains station data for various locations like XRY, KRIS, NRS, etc.





Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, I, S, C. Includes stations like Yuzh-Sakhalins, YAK Yakutsk, ARU Arti, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, I, S, C. Includes stations like CFI Collette Fiord, SML Sawmill, SUA Susitna One, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, I, S, C. Includes stations like LPAZ 0.1nm, 0.3s, baz=190, etc.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, I, S, C. Includes ISK 25 21:15:39.0, 39.93N-40.80E, h5km, MD3.9, Turkey.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, I, S, C. Includes DJA 25 21:36:41.6, 0.9, 9.11S, 114.03E, h320km, MD4.5/4, 7C.

Table with columns: Station Name, Time, Res, Phase ID, ISC, h, m, s, I, S, C. Includes LPAZ 0.1nm, 0.3s, baz=190, etc.



25d 22h

2004 MAR

Table of astronomical data for 25d 22h, listing objects like MKAR, ASAJ, KURK, etc., with columns for name, coordinates, and other parameters.

Table of astronomical data for 2004 MAR, listing objects like AYUS, ELZG, LSZ, etc., with columns for name, coordinates, and other parameters.

Table of astronomical data for 2004 MAR, listing objects like NOA, DAVOX, DAVOX, etc., with columns for name, coordinates, and other parameters.

NEIC 25 22:20:38.8, 44.22N-7.08E h5km, ML2.3(GEN), ML2.1(STR), ML1.9(LDG), After STR...

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

ICD 25 21:25:3.0, 19.96N:95.58E, h11km:4km, mb4.4/10, mb1.4/5.1, mb1mx4.3/17, ML3.9/1, Error ellipse: s-maj=45.2km s-min=11.4km az=44.0

NEIC 25 22:21:29.6; 1.0, 19.99N-95.68E, h42km, 10km, mb4.4/4, Error ellipse: s-maj=16.5km s-min=6.3km az=55.0

ISC 25 22:21:27.0; 1.9, 20.0N, 0.1-95.5E, 0.1, h34km, 18km, h4km, 6.8km, p-P, n24, c0885/29, mb4.4/13, Myanmar

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like CHG Chiang Mai, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

NEIC 25 22:38:39.1, 35.05N-4.03W, MG4.2(MDD), After MDD. INMG 25 22:38:39.1, 34.90N-4.04W, h31km, 13km, ML2.8

Error ellipse: s-maj=10.8km s-min=4.6km az=15.0, Aftershock PLICA PRXIMO LDG 25 22:38:41.9; 0.7, 35.11N-4.20W, h2km, MD3.7/1, M3.1/4

Error ellipse: s-maj=15.0km s-min=7.6km az=176.0 ISC 25 22:38:40.7; 37.058N, 0.04-4.08W, 0.03, h31km, n56, c142/100, 1D, Strait of Gibraltar

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like EMEL Mellilla, EMEL Sierra Loja, EMAL Malaga-Limoner, etc.

Table with columns: PTEO, ESDC, EVO, MOE, PCBR, GUD, PLOU, EIBI, ETOR, ETOR, EMO, PVIS, PVRL, ERTA, PBRG, ECAL, ELOB, ELOB, ERUA, ERUA, EINC, EINC, EARI, ETSF, ETSF, EALK, EALK, EPON, EPON, EPF, EPF, CAF, MFF, PGF, QUIF, QUIF, SGMF, ROSF, etc.

NEIC 25 22:38:43.2, 38.48N-24.03E, h17km, ML2.8(ATH), After ATH. ATH 25 22:38:43.2, 38.48N-24.03E, h17km, 3km, MD3.0/8, ML2.8

The 25 22:38:46.4, 38.58N-24.04E, h17km, ML2.7 ISC 25 22:38:42.0; 9, 38.43N, 0.03-24.04E, 0.09, h20km, gkm, n17, c107/22, 1C, Aegean Sea

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like PTL Penteli, ATH Athens Observa, AOS Alonnisos, etc.

ATH 25 22:43:38.8, 39.63N-24.29E, h10km, MD3.1/3 The 25 22:43:41.9, 39.63N-24.04E, h12km, ML2.7

ISC 25 22:43:40.8; 0.5, 39.63N, 0.03-24.05E, 0.04, h12km, n17, c067/26, Aegean Sea

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like PAIG Paliouri, AOS Alonnisos, OUR Ouranopolis, etc.

IDC 25 22:44:43.5; 4.0, 17.20S-177.42W, mb4.5/3, mb1 4.7/3, s-min=46.7km az=140.0, Fiji Islands region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like STKA Stephens Creek, STKA Stephens Creek, WB2 Warramunga Arr, etc.

ISK 25 23:05:49.3, 39.89N-10.72E, h5km, MD3.5 ISC 25 23:05:50.0; 0.7, 39.94N, 0.05-10.47E, 0.05, h5km, n8, c083/11, 2C, Turkey

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like ERZM Erzurum, BINT Bingol, GUMT Gumushane, etc.

ATH 25 23:06:25.9, 38.61N-23.74E, h10km, MD2.7/3, ML2.5 THE 25 23:06:27.2, 38.61N-23.54E, h8km, ML2.1

ISC 25 23:06:25.3; 0.8, 38.56N, 0.04-23.55E, 0.07, h13km, 7km, n9, c087/10, 3, Greece

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like PTL Penteli, ATH Athens Observa, AOS Alonnisos, etc.

NEIC 25 23:15:29.2, 36.99N-5.42W, MN1.9(MDD), After MDD. INMG 25 23:15:29.7; 1.1, 37.00N-5.44W, h3km, 3km, ML1.1.9, Error ellipse: s-maj=2.2km s-min=1.8km az=156.0

MDD 25 23:15:29.1; 0.2, 37.00N-5.42W, mbLg1.9/9, Error ellipse: s-maj=2.2km s-min=1.8km az=27.0, PRXIMO ISC 25 23:15:28.0; 0.5, 37.08N, 0.04-5.45W, 0.03, h7km, 5km, n23, c1908/34, 1C-10, Spain

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like ELIJ Sierra de Lija, ELIJ Lija, ESPR Espera, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JACH Jahuel, PEL Peledhue, CLCH Cerro Calan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SFDO San Fernando, CMCH Combarbala, OVCH Ovale, etc.

ISK 25 23:23:05.8, 39.92N, 0.483E, h5km, MD3.6
ISC 25 23:23:06.9, 0.6, 39.95N, 0.05, 40.86E, 0.04, h5km, m13,
#096/19, 4C, Turkey

MOS 25 23:45:06.2, 1.2, 34.39N, 26.55E, h10km, mb4.2/5, Error
ellipse: s-maj=14.5km s-min=6.2km az=130.6
ATH 25 23:45:10.6, 34.49N, 26.45E, h24km, 5km, MD3.8/10
NEIC 25 23:45:11.4, 34.54N, 26.45E, h26km, mb4.0/8,
MD3.8(A)H, After ATH.

ISC 25 23:45:12.2, 1.8, 34.49N, 26.63E, h44km, 21km, mb3.6/9,
mb1 3.8/14, mb1mx3.7/22, ML3.7/5, Error ellipse:
s-maj=38.7km s-min=14.0km az=18.0
ISC 25 23:45:07.7, 0.3, 34.31N, 0.06, 26.59E, 0.05, h24km, n84,
#116/95, mb3.9/16, Crete

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like XRY Khrisi, KRIS Kristallenia, NPS Neapolis, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HAQS Haql, JMOS Jabal al Moall, JAFS Jabal al Asfar, etc.

GUC 26 00:06:21.8, 1.0, 33.13S, 71.45W, h44km, 2km, MD3.5,
ML3.2
NEIC 26 00:06:21.8, 33.13S, 71.45W, h44km, MD3.5(GUC), After
GUC.

ISC 26 00:06:22.0, 0.8, 33.11S, 70.03, 71.49W, 0.04, h48km, 6km,
n24, #042/44, 6C-8B, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IHA Instituto Hidr, LCHH Las Cruces, ROCH El Roble, etc.

Table with columns: SFDO San Fernando, CMCH Combarbala, Time, Res, ISC.

NIED 26 00:59:00, 44.50N, 149.80E, h17km, Mw3.9 Best double
couple: Mb8.82x10^14 NP13034, 653, 7.75, NP206237,
340, 1.109
SKHL 26 00:59:23.3, 3.1, 44.30N, 149.80E, h33km, mb4.9/2
MOS 26 00:59:27.0, 0.8, 44.58N, 149.47E, h66km, mb4.5/2, Error
ellipse: s-maj=21.4km s-min=15.9km az=100.7
NEIC 26 00:59:30.0, 0.0, 44.57N, 149.49E, h75km, mb4.2/2, Error
ellipse: s-maj=15.3km s-min=11.2km az=119.0
IDC 26 00:59:30.1, 4.1, 44.57N, 149.51E, h77km, 37km, mb3.6/12,
mb1 3.8/13, mb1mx3.7/22, ML3.7/1, MS3.1/1, Ms1 3.1/1,
ms1mx2.6/33, Error ellipse: s-maj=23.2km s-min=16.8km
az=114.0

ISC 26 00:59:26.8, 2.2, 44.6N, 0.1x149.6E, 0.2, h62km, 18km, n23,
#092/25, mb3.9/13, 2C, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KUR Kuril'sk, 359nm, 0.4s, 326nm, 0.4s, etc.

IDC 26 01:12:25.9, 57.0, 15.07S, 163.59E, mb4.1/3, mb1 4.3/3,
mb1mx3.9/14, Error ellipse: s-maj=956.0km
s-min=98.9km az=64.0, Vanuatu Islands region

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

IDC 26 02:14:04.9, 1.4, 34.50N, 24.43E, mb3.9/6, mb1 3.9/8,
mb1mx3.7/21, ML3.9/2, Error ellipse: s-maj=26.5km
s-min=14.0km az=122.0
THE 26 02:14:08.7, 34.43N, 24.53E, h15km
NEIC 26 02:14:10.3, 34.68N, 24.60E, h29km, MD3.5(A)H, After
ATH.

ATH 26 02:14:10.3, 34.68N, 24.60E, h29km, 4km, MD3.5/7
ISC 26 02:14:08.0, 0.9, 34.41N, 0.06, 24.49E, 0.06, h45km, 8km,
n26, #087/35, mb3.7/6, Crete

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GAVD Gavdhos, VAM Vamos, XRY Khrisi, etc.



Table with columns for station name, frequency, mode, and time. Includes stations like YKA, YKX, YKI, YKJ, YKZ, etc.

Table with columns for station name, frequency, mode, and time. Includes stations like WAR, WAW, WBY, WBT, etc.

Table with columns for station name, frequency, mode, and time. Includes stations like VRAC, MOX, MOY, MOZ, etc.

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



Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like BEST Besiri, MALT Malatya, VANT Van, etc.

NEIC 26 03:33:34.5±2.0, 6.13S-147.54E, h48km, 15km, mb4.3/4, Error ellipse: s-maj=18.0km s-min=16.8km az=119.0

DC 26 03:35:2.7, 6.27S-147.59E, h56km, 24km, mb3.8/7, mb1.4/1.0, mb1mx4.0/16, ML3.9/3, Error ellipse: s-maj=31.2km s-min=14.2km az=113.0

ISC 26 03:33:35.7±1.7, 6.35±0.1, 147.4E±0.1, h70km, n22, #1507/24, mb3.9/8, 1D, Eastern New Guinea region

Main station list for the first section, including WAU Wau, PMG Port Moresby, CTA Charters Tower, WRAB Tennant Creek, etc.

DC 26 03:49:26.2±1.2, 4.28S-137.50E, mb4.1/3, mb1.4/3.7, mb1mx4.1/13, ML3.7/4, Error ellipse: s-maj=38.1km s-min=26.9km az=85.0

NEIC 26 03:49:27.0±0.8, 4.29S-137.52E, h10km, Error ellipse: s-maj=16.8km s-min=14.9km az=112.0

ISC 26 03:49:25.2±0.8, 4.56S±0.07, 137.3E±0.1, h10km, n11, #1903/14, mb4.0/3, Irian Jaya

Main station list for the second section, including PMG Port Moresby, WRAB Tennant Creek, WBA Warramunga Arr, etc.

DJA 26 03:56:26.9±0.5, 8.67S-114.86E, h33km, MD4.8/1, 5C-1D, Error ellipse: s-maj=33.2km s-min=6.7km az=33.0, Bali region

Main station list for the third section, including INGI Ingas, KELI Kelakatan, RATA Rata, etc.

DC 26 04:07:09.6±9.4, 9.228S-147.54E, mb1.3/7.4, mb1mx3.6/10, ML3.3/4, Error ellipse: s-maj=64.7km s-min=23.0km az=98.0

ISC 26 04:07:1.1±4.2, 5.229S±0.07, 147.2E±0.3, h10km, n4, #1515/44, Queensland

Main station list for the fourth section, including CTA Charters Tower, STKA Stephens Creek, ASAR Alice Springs, etc.

ISC 26 04:08:22.8, 39.90N-40.77E, h5km, MD3.6, Turkey

Main station list for the fifth section, including ERZM Erzurum, BINT Bingol, GUMT Gumushane, etc.

Main station list for the sixth section, including KARS Kars, ELZG Elazig, BEST Besiri, etc.

ISC 26 04:19:02.0, 39.89N-40.81E, h5km, MD3.5, Turkey

Main station list for the seventh section, including ERZM Erzurum, BINT Bingol, GUMT Gumushane, etc.

NEIC 26 04:25:31.0, 41.92N-2.65E, ML2.5(STR), ML2.4(LDG), MN2.3(MDD), After MDD

MDD 26 04:25:31.6±0.3, 41.97N-2.59E, mbLg2.2/15, Error ellipse: s-maj=2.8km s-min=1.6km az=122.0, PRXIMO

LDG 26 04:25:31.2±0.1, 41.98N-2.62E, h2km, MD2.4/1, M2.4/1.3, Error ellipse: s-maj=1.6km s-min=1.2km az=132.0

STR 26 04:25:32.0±0.3, 42.02N-2.55E, h10km, 1km, M2.5, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

ISC 26 04:25:28.9±0.5, 41.98N±0.02, 2.68E±0.03, h11km, 2km, n44, #1945/85, 1D, Spain

Main station list for the eighth section, including CFON Fontmartina, EJON La Jonquera, SJAF Saint Jean de, etc.

ISC 26 04:26:06.8±2.8, 18.0N-0.2S, SNR=17

Main station list for the ninth section, including VIEF Vief, LABF Labassere, ETOS Mallorca, etc.

ISC 26 04:26:13.1±3.1, 1.6nm, 0.2s, SNR=7.9

ISC 26 04:26:38.9±1.4, SNR=7.9

Main station list for the tenth section, including ESAC San Caprasio, ESAC SNR=7.9, EMOS Mosqueruela, etc.

Main station list for the eleventh section, including VIVF Saint-Julien-1, LFF La Frestelle, FRF La Foret Royal, etc.

ISC 26 04:26:22.8±0.8, 0.6nm, 0.2s, SNR=6.4

ISC 26 04:27:03.5±1.4, SNR=7.9

Main station list for the twelfth section, including RJF Les Rejaudoux, ETOR Torete, ETOR Torredonja, etc.

ISC 26 04:29:57.7±1.0, 31.37S-71.88W, h46km, MD4.2(GUC), After ML4.1

DC 26 04:30:23.7±12.0, 30.20S-71.34W, h222km, 95km, mb3.6/3, mb1.3/5.5, mb1mx3.3/14, MS2.9/1, Ms1.2.9/1, ms1mx2.7/15, Error ellipse: s-maj=117.0km s-min=31.3km az=25.0

ISC 26 04:29:57.4±0.7, 31.37S±0.02, 71.97W±0.08, h45km, 12km, n32, #063/43, mb4.1/3, 7C-6D, Near coast of central Chile

Main station list for the thirteenth section, including ILCH Illapel, CMCH Combarbala, OVCH Ovalle, etc.



Table with columns: QSPA, comp-Z, Azimuth, LR, LR, P, Time Res, ISC. Includes stations like VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, etc.

IDC 26 06:20:05:51.1, 57.465x141.90W, mb3.9/3, mb1 4.1/3, mb1mx3.9/12, MS4.2/10, MS1 4.2/10, ms1mx4.1/15, Error ellipse: s-maj=190.0km s-min=29.9km az=173.0,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like VNA Vanda, RAR Rarotonga, MAW Mawson, etc.

IDC 26 06:25:15:59.0, 17.24S-175.57W, mb3.7/3, mb1 3.9/3, mb1mx3.7/13, Error ellipse: s-maj=1296.0km s-min=185.7km az=80.0, Low Confidence, Tonga Islands

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

IDC 26 07:41:08.4:8.1, 21.19Sx178.59W, h509km, 98km, mb3.0/7, mb1 3.3/8, mb1mx3.3/13, Error ellipse: s-maj=54.1km s-min=23.5km az=176.0,

NEIC 26 07:41:10.8:0.6, 21.30Sx178.58W, h540km, Error ellipse: s-maj=26.4km s-min=13.7km az=147.0, Error ellipse: s-maj=110.2:0.8, 21.2S:0.2-178.7W:0.2, h540km, n10, -0864/10, mb3.4/7, Fiji Islands region

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

IDC 26 07:56:57.8:0.9, 10.18N-125.66E, mb4.1/9, mb1 4.2/9, mb1mx4.1/16, MS3.5/5, MS1 3.5/5, ms1mx3.2/31, Error ellipse: s-maj=53.6km s-min=17.0km az=65.0,

MAN 26 07:57:02.9:76N.124.71E, h7km, mb5.0, ML4.0, MS4.0 MAN F MAMBAJAO PROPER CAMIGUI INTENSITY I. NEIC 26 07:57:07.8:0.6, 10.07N:125.54E, h8km, Error ellipse: s-maj=38.7km s-min=12.9km az=64.0,

IDC 26 07:57:03.1:0.4, 9.82N:124.76E:0.04, h47km, 4km, n35, -0194/41, mb4.0/9, MS3.4/5, 3C-3D, Mindanao

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like MSLP Maasin, SCPH Surigao, STBP Tagbilaran, etc.

Table with columns: ZAL Zalesovo, KURK Kurchatov, BRVK Borovoy, etc. Includes station codes and coordinates.

IDC 26 07:57:55.3:17.0, 23.13S-179.84W, h396km, 203km, mb3.1/4, mb1 3.4/5, mb1mx3.2/14, Error ellipse: s-maj=128.0km s-min=20.0km az=0

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

TAP 26 08:03:04.8, 23.44N:121.54E, h40km, ML4.0 TAP Feil J at Hungyo, J J at Chengung, I J at Shilin, JMA 26 08:03:05.4:1.3, 23.2S:0.2-179.9W:0.2, h400km, n6, -0184/6, mb3.4/4, South of Fiji Islands

IDC 26 08:03:04.2:0.4, 23.41N:0.02:121.66E:0.02, h26km, 2km, n55, -0085/101, 15C, Taiwan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like EHY Hungye, TFW Yuli, CHKT Chengkung, etc.

BJJ 26 08:22:34.3, 8.86Sx125.53E, h40km, mb5.2, mb4.9, MS4.8, MS3.3 IDC 26 08:22:34.0:6.8, 14S:125.39E, mb4.5/9, mb1 4.7/12, mb1mx4.7/15, ML4.4/3, MS3.6/11, MS1 3.7/11, ms1mx3.4/24, Error ellipse: s-maj=49.8km s-min=14.7km az=63.0

SYO 26 08:22:43.1, 8.16Sx125.13E, h56km, MB4.8 NEIC 26 08:22:43.1:2.9, 8.16S:125.13E, h56km, 26km, mb4.8/12, Error ellipse: s-maj=14.8km s-min=8.0km az=75.0

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

ISC 26 08:22:40.4:0.4, 8.18S:0.06:125.5E:0.1, h56km, n68, -0157/62, mb4.7/2, MS3.7/8, 3C-3D, Timor region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like AS12 Alice Springs, ASAR Alice Springs, etc.

CTA Charters Tower 23.29 123 P 4.6nm, 0.7s, mb4.0, baz=292, slow=12, SNR=7.0

CTA Charters Tower 23.29 123 P 4.6nm, 0.7s, mb4.0, baz=292, slow=12, SNR=7.0

CTA Charters Tower 23.29 123 P 4.6nm, 0.7s, mb4.0, baz=292, slow=12, SNR=7.0

CTA Charters Tower 23.29 123 P 4.6nm, 0.7s, mb4.0, baz=292, slow=12, SNR=7.0

CTA Charters Tower 23.29 123 P 4.6nm, 0.7s, mb4.0, baz=292, slow=12, SNR=7.0

CTA Charters Tower 23.29 123 P 4.6nm, 0.7s, mb4.0, baz=292, slow=12, SNR=7.0

CTA Charters Tower 23.29 123 P 4.6nm, 0.7s, mb4.0, baz=292, slow=12, SNR=7.0

CTA Charters Tower 23.29 123 P 4.6nm, 0.7s, mb4.0, baz=292, slow=12, SNR=7.0

CTA Charters Tower 23.29 123 P 4.6nm, 0.7s, mb4.0, baz=292, slow=12, SNR=7.0

CTA Charters Tower 23.29 123 P 4.6nm, 0.7s, mb4.0, baz=292, slow=12, SNR=7.0

CTA Charters Tower 23.29 123 P 4.6nm, 0.7s, mb4.0, baz=292, slow=12, SNR=7.0

CTA Charters Tower 23.29 123 P 4.6nm, 0.7s, mb4.0, baz=292, slow=12, SNR=7.0

CTA Charters Tower 23.29 123 P 4.6nm, 0.7s, mb4.0, baz=292, slow=12, SNR=7.0

CTA Charters Tower 23.29 123 P 4.6nm, 0.7s, mb4.0, baz=292, slow=12, SNR=7.0

CTA Charters Tower 23.29 123 P 4.6nm, 0.7s, mb4.0, baz=292, slow=12, SNR=7.0

CTA Charters Tower 23.29 123 P 4.6nm, 0.7s, mb4.0, baz=292, slow=12, SNR=7.0

CTA Charters Tower 23.29 123 P 4.6nm, 0.7s, mb4.0, baz=292, slow=12, SNR=7.0

CTA Charters Tower 23.29 123 P 4.6nm, 0.7s, mb4.0, baz=292, slow=12, SNR=7.0

CTA Charters Tower 23.29 123 P 4.6nm, 0.7s, mb4.0, baz=292, slow=12, SNR=7.0

CTA Charters Tower 23.29 123 P 4.6nm, 0.7s, mb4.0, baz=292, slow=12, SNR=7.0

CTA Charters Tower 23.29 123 P 4.6nm, 0.7s, mb4.0, baz=292, slow=12, SNR=7.0

CTA Charters Tower 23.29 123 P 4.6nm, 0.7s, mb4.0, baz=292, slow=12, SNR=7.0

CTA Charters Tower 23.29 123 P 4.6nm, 0.7s, mb4.0, baz=292, slow=12, SNR=7.0

26D 10h

CNP Catarman 1.31 350 eP P 08 34 08.7 +1.0

NIED 26 08:57:00, 42.00N, 144.30E, h38km, Mw3.7

Code Station Name Δ° AZ° Phase ID Time Res

JEM Ermo 0.84 267 Op P 08 58 06.3 +0.1

JAK Akkeshi 0.99 18 iP P 08 58 05.5 +0.3

JUN Urakawa-nobuka 1.16 282 P S 08 58 10.0 +0.2

ASAJ Asahikawa 2.04 330 Pn P 08 59 01.1 +5.3

JMA 26 09:23:17.4, 0.44, 07.9N, 147.99E, M4.1, Kuril Islands

Code Station Name Δ° AZ° Phase ID Time Res

NEM2 Nemuro 2 1.77 247 P P 09 23 49.4 +0.2

JAK Akkeshi 2.42 260 P Pn 09 24 01.6 +0.1

JOB Onbets 3.24 250 Pn Pn 09 24 11.0 +0.5

Code Station Name Δ° AZ° Phase ID Time Res

LUBP Lubang 0.60 75 eP Sg 09 52 44.0 +0.2

ASAR Alice Springs 39.56 159 P P 10 00 05.6 -0.5

Code Station Name Δ° AZ° Phase ID Time Res

MSF Maaselka 1.37 329 eP P 10 00 31.5 +0.1

Code Station Name Δ° AZ° Phase ID Time Res

MSF Maaselka 1.37 329 eP P 10 00 31.5 +0.1

2004 MAR

SUF comp=Z,4.0nm,0.2s 10 01 34.9

FINES FINES Array B 3.93 215 Pn Pn 10 01 09.8 +1.7

VAF Yulatore 3.96 248 ePb P 10 01 14.1 -1.5

NOA NORARS Array B 9.64 256 P P 10 02 28.4 +0.4

Code Station Name Δ° AZ° Phase ID Time Res

URZ Urewera 17.42 193 Op P 10 15 54.1 -0.1

COLA College 88.99 12 eP P 10 24 28.9 -1.6

CHZK Chkalov 119.52 30 ePK P 10 30 21.6 -1.1

Code Station Name Δ° AZ° Phase ID Time Res

EMEL Melilla 0.94 83 P P 10 22 19.1 -0.9

ERON Sierra Loja 1.95 359 P Pn 10 22 36.0 +0.3

EBER Berja 1.96 30 P Pn 10 23 03.2 +3.0

ELIJ Sierra de Lija 2.01 329 P S 10 23 39.4 +2.9

ESPR Espir Santo 2.20 320 P P 10 22 44.9 +5.8

EQUQ Quesada 2.37 17 P P 10 22 48.5 +1.7

EAD A 2.99 353 P Pn 10 22 52.2 +1.6

EGRO El Granado 3.59 311 P P 10 22 59.9 +0.8

ETOB Tobarra 4.00 30 P Pn 10 23 05.3 +0.5

PTEO Sao Teotonio 4.41 303 eSn Sn 10 24 01.2 -1.5

Code Station Name Δ° AZ° Phase ID Time Res

Code Station Name Δ° AZ° Phase ID Time Res

ERZM Erzurum 0.43 93 Op P 10 22 24.0 -0.7

GRM Gumushane 1.15 298 iP Pn 10 22 57.6 -0.2

AGRT Agri 1.71 100 Pn Pn 10 22 45.7 +0.7

Code Station Name Δ° AZ° Phase ID Time Res

GNI Garni 3.03 85 eP Pmax 10 23 06.3 +0.7

Code Station Name Δ° AZ° Phase ID Time Res

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Code Station Name Δ° AZ° Phase ID Time Res

Code Station Name Δ° AZ° Phase ID Time Res

Code Station Name Δ° AZ° Phase ID Time Res





Table with columns: Station Name, Azimuth, Phase, ID, Time, Res, Code. Includes stations like VVDA, MA2, SBA, COLA, ILAR, YKA, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res, Code. Includes stations like STKA, CBJJ, CNB, TOO, FORT, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res, Code. Includes stations like KZA, KBK, CHMS, UCH, etc.

NEIC 26 12:19:36.8-0.9, 31.05S, 178.90W, h10km, Error ellipse: s-maj=31.1km s-min=20.8km az=206.0

IDC 26 12:20:20.5-5.8, 32.23S, 179.96E, h390km, 65km, mb3.4/5, mb1.3/5.6, mb1mx3.4/14, Error ellipse: s-maj=75.7km

ISC 26 12:20:20.9-1.5, 52.14S, 0.1-179.4E, 0.2, h370km, 12km, n27, <0.96/23, mb3.5/5, 2D, South of Kermadec Islands

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

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res, Code. Includes stations like CN2, CN2, CN2, etc.

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

MOS 26 12:25:50.4-0.9, 3.43S, 151.29E, h58km, mb5.2/5, Error ellipse: s-maj=22.6km s-min=11.0km az=80.8

IDC 26 12:25:51.7-4.1, 3.51S, 151.31E, h54km, 37km, mb4.7/19, mb1.4/8.21, mb1mx4.8/23, ML3.7/2, MS4.1/8, MS1.4/8, ms1mx3.9/23, Error ellipse: s-maj=21.2km s-min=13.9km az=82.0

BUI 26 12:25:53.6, 3.10S, 151.97E, h85km, mb5.2, mb5.1, MS4.8, MS2.6

NEIC 26 12:25:54.3-1.4, 3.55S, 151.23E, h79km, 13km, mb5.1/29, Error ellipse: s-maj=9.1km s-min=6.5km az=84.0

HRVD 26 12:25:54.3-0.5, 3.36S, 151.51E, h76km, 4km, MW5.2/42, Centroid moment Tensor Solution. LP body waves: s6,c7; Mantle waves: s42,c65; Half duration: 0 Moment tensor: Scale 10^16Nm; Mr:6.15+-38; Mw:0.78+-27; Mo:6.94+-23; Mo:10+-18; Mo:0.62+-26; Mo:0.47+-31; Best double couple: Mo:6.59x10^16 NP1:0.356^6, 843^3, 191^9. NP2:0.175^5, 847^3, 189^9. Principal axes: T:6.17, P:1g88^3, Azm66^3; N:8.83, P:1g1^3, Azm175^3; -P:-7.01, P:2g2^3, Azm265^3; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 26 12:25:49.9-1.6, 3.51S, 0.05-151.28E, 0.06, h50km, 14km, n136, r1511/19, mb5.1/56, MS4.4/15, 1C-1D, New Ireland region

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

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

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







26d 15h

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Lists stations like Kangasniemi, KAF, KANGASNIEMI, etc.

ISK 26 15:04:53.4, 39.95N, 40.88E, h5km, MD3.8
MOS 26 15:04:59.7, 3.4, 39.77N, 40.90E, h10km, mb3.9/1, Error ellipse: s-maj=22.7km s-min=14.1km az=79.5

Main table for 26d 15h section with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Includes stations like ERZM, BINT, GUMT, etc.

BUI 26 15:05:45.9, 4.70N, 123.10E, h611km, mb4.5
IDC 26 15:05:46.2, 1.3, 4.76N, 123.24E, h588km, 15km, mb3.5/13, mb1.3, 6/13, mb1mx3.5/19, Error ellipse: s-maj=28.4km s-min=7.6km az=63.0

Main table for 26d 15h section (continued) with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Includes stations like PAGZ, SNPH, GUIM, etc.

2004 MAR

Table for 2004 MAR section (top half) with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Includes stations like LSA, STKA, STKA, etc.

NIED 26 15:20:00, 41.80N, 144.40E, h23km, Mw5.9 Best double couple: M7.41x10^17 NP1, 15, 167, 162, NP2, 25, 249, 3

IDC 26 15:20:02.8, 0.3, 41.91N, 144.18E, mb5.2/33, mb1.5/238, mb1mx5.4/39, ML4.5/5, MS5.6/26, Ms1.5/6/26, ms1mx5.4/38, Error ellipse: s-maj=10.8km s-min=8.6km az=114.0

Main table for 2004 MAR section (middle) with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Includes stations like ERZM, BINT, GUMT, etc.

BGS 26 15:20:06.8, 2.5, 41.86N, 144.21E, h25km, Mw5.7/139, MS5.6/110, MW5.8, Error ellipse: s-maj=3.2km s-min=2.9km az=166.0, Moment Tensor Solution, s22

Main table for 2004 MAR section (bottom half) with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Includes stations like JEM, JCH, JON, etc.

MOS 26 15:20:06.7, 1.1, 41.94N, 144.16E, h33km, mb5.8/70, MS6.1/42, Error ellipse: s-maj=6.5km s-min=3.9km az=95.7

MOS Felt (I) at Yuzhno-Kuril'sk. ISC 26 15:20:07.0, 0.1, 41.78N, 02.144, 25E, 02, h37km, (h28km, 3.3km; p-P), n932, 0.95/890, mb5.7/236, MS5.8/115, 245C-25D, Hokkaido region

Main table for 2004 MAR section (bottom) with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Includes stations like YUK, YUK, YUK, etc.

560

Main table for 560 section with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Includes stations like JSS, JAH, JSH, etc.

Table with columns for station code, frequency, power, and signal quality. Includes stations like SKR, JTY, KS15, JNU, etc.

Table with columns for station code, frequency, power, and signal quality. Includes stations like YAK, BOD, TATO, BTO, etc.

Table with columns for station code, frequency, power, and signal quality. Includes stations like MKAR, SML, COLA, LSA, etc.

Table listing various stations, frequencies, and signal strengths for the 26d 15h period. Includes stations like Resolute Bay, BJO Bjornoya, and others with their respective parameters.

Table listing various stations, frequencies, and signal strengths for the 2004 MAR period. Includes stations like NEW Newport, PALK Pakke, and others with their respective parameters.

Table listing various stations, frequencies, and signal strengths for the 562 period. Includes stations like HLID comp=Z,47nm, 1.4s, mb5.2, and others with their respective parameters.

Table of flight data for the first section, including columns for airline codes (e.g., VANB, HWUT, TVAN), flight numbers, times, and status indicators.

Table of flight data for the second section, including columns for airline codes (e.g., KALBR, ISCO, GAZ), flight numbers, times, and status indicators.

Table of flight data for the third section, including columns for airline codes (e.g., PRU, BUD, SZH), flight numbers, times, and status indicators.

Table with columns: Call sign, Name, Frequency, Mode, and other details. Includes entries like AKS, SWS, BARS, ALFC, ABH, MMB, SZAC, KKB, FUR, RAR, DNZL, HDH, MMLI, HAF, OBKA, HMDT, KTD, KTY, PFCY, PPHO, RUP, OFRI, ELU, STU, DMUB, NVSS, KDAG, IZM, BUCH, LBG, LJJ, WLF, LANF, GIVF, PLE, MKRU, WATA, WTTA, VAY, PTCC, SKO, DRGO, DRGI, IVA, ROBS, DL, MOTA, CEY, BAIF, GMNA, SOTA, UBR, DCN, GUT, GUT, PVY, UPM, BFM, BFO, BFO, PLG, SPAK, MLSB, AFFS, KSUI, NKY, JFWS, CDF, DAVA, BRY, TTG, BDRM, SLE, TRULL, KIZ, KIZ, KAMOR, FELD, FELD, ECH, FLACH, WILA, CPFR, MLI, ZFRI, ZFRI, BUM, CTI, SVTA, PLON, OHR, HCY, FUORN, DAVOX, STUZ, ULN, ULN, MOF, BRMO, KZT, GDLZ, PRNI, THEF, NHO, HINF, HAU, HAU.

Table with columns: Call sign, Name, Frequency, Mode, and other details. Includes entries like MEZF, BERN, LLRS, BBS, CLNB, MUBO, VDL, BOUR, BOUR, BNALP, KMTI, AOB, MBH, KBRS, JMGS, LOMF, LOMF, EIL, EIL, TBKS, HASLI, KAMS, FUSIO, SAL, ALWS, JMGS, WMIS, MUGIO, TORNY, HAQS, JAN, BRANT, EVR, VAI, SAINT, SENIN, RMM, MCGN, TAU, BDAS, AIGLE, FSSB, GRVON, AYUS, WMOK, WMOK, DIB, CAX, ARV, ZCCA, SFI, ORO, LOR, LOR, FLN, FLN, EMV, FGMS, SEI, VMG, LDF, SNGT, GSC, GRAM, BOB, RGN, VALM, PPT, TATS, SSF, SARO, NPS, BDI, NRCA, ASS, BACM, HYF, KRIS, LSD, VINC, GRR, URZ, URZ, MAIM, LPL, UMS, UMS, SMF, XRY, AVF, AOU, VLI, RSP, GENL, VLS, IDI, FG5, FG4, PCP, FNBS, CII, ITM, RN12, CP12, PTQR, MNTS, LTX, LTX, TXAR, BHB, GRFL, BGF, SDI, MRLC, GDM, RRL, SGMF.

Table with columns: Call sign, Name, Frequency, Mode, and other details. Includes entries like OGG2, FIN, GRN, ORI, ROSI, ROB, AAM, CCM, PDM, SLM, SLO, DOI, RFI, RFLN, SGO, PZZ, AGO, BLJS, ORIF, TCF, ENR, MON, SURF, STV2, STV, DJVS, MGR, IMI, QUIF, TDS, SAOLF, COLF, AUTN, PYM, NEGI, FVM, TOUF, SBF, AURF, OGG2, MVIF, VVF, OCF, LCHF, LBL, GRN, GRI, PRF, SMRF, VILF, JCT, JCT, TAVF, SIUC, RJF, RJF, BLMR, LMO, SNZO, PRAF, PUYF, CAF, TREF, MIAR, MIAR, PQL, PQL, LASF, ERPA, ERPA, GELF, BERF, UNIF, USF, GENY, ACCO, ACCO, NCB, NCB, WCI, WCI, LBHN, LBHN, RPZ, RPZ, MCLL, MCLL, VAE, VAE, WVL, WVL, BINY, BINY, LDRF, WWT, WWT, LPEF, LPEF, TBI, TBI, EMMV, MLS, SSPA, SSPA.

Table with columns: Call sign, Name, Frequency, Mode, and other details. Includes entries like OGG2, FIN, GRN, ORI, ROSI, ROB, AAM, CCM, PDM, SLM, SLO, DOI, RFI, RFLN, SGO, PZZ, AGO, BLJS, ORIF, TCF, ENR, MON, SURF, STV2, STV, DJVS, MGR, IMI, QUIF, TDS, SAOLF, COLF, AUTN, PYM, NEGI, FVM, TOUF, SBF, AURF, OGG2, MVIF, VVF, OCF, LCHF, LBL, GRN, GRI, PRF, SMRF, VILF, JCT, JCT, TAVF, SIUC, RJF, RJF, BLMR, LMO, SNZO, PRAF, PUYF, CAF, TREF, MIAR, MIAR, PQL, PQL, LASF, ERPA, ERPA, GELF, BERF, UNIF, USF, GENY, ACCO, ACCO, NCB, NCB, WCI, WCI, LBHN, LBHN, RPZ, RPZ, MCLL, MCLL, VAE, VAE, WVL, WVL, BINY, BINY, LDRF, WWT, WWT, LPEF, LPEF, TBI, TBI, EMMV, MLS, SSPA, SSPA.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for various radio stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, and other technical details for various radio stations.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for various radio stations.

Table with columns: MAT, Matsuhiro, 50.14, 72, eP, P, 15 31 04.0 -0.8, comp=Z,19nm,1.1s,mb5.0

IDC 26 15:25:31.9, 1.5, 39.79N, 73.11E, mb4.2/7, mb1 4.3/7, mb1mx4.1/16, Error ellipse: s-maj=105.0km s-min=22.0km az=48.0

NEIC 26 15:25:36.4, 1.0, 39.76N, 73.00E, h30km, Error ellipse: s-maj=69.1km s-min=14.9km az=47.0

ISC 26 15:25:37.9, 2.1, 40.00N, 0.2, 73.11E, 0.3, h50km, 19km, n10, 0.055/12, mb4.1/7, 3C-1D, Tajikistan-Xinjiang border region

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

ISC 26 15:29:13.0, 0.39, 89N, 40.73E, h7km, MD3.6, ISC 26 15:29:13.0-0.7, 47.008N, 0.06-40.84E, h7km, n13, 0.135/19, Turkey

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

IDC 26 15:45:35.0, 1.0, 0.86N, 125.49E, mb3.9/6, mb1 4.1/7, mb1mx3.9/14, ML3.4/1, Error ellipse: s-maj=124.0km s-min=17.1km az=68.0

NEIC 26 15:45:43.2, 0.6, 0.71N, 125.33E, h65km, Error ellipse: s-maj=64.8km s-min=9.0km az=67.0

ISC 26 15:45:38.1, 0.7, 0.8N, 0.1, 125.3E, 0.3, h33km, n18, 0.071/18, mb4.2/8, Northern Molokai Sea

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

Table with columns: CHKZ, Chkalovo, 69.22, 329, eP, P, 15 56 43.0 -0.5

IDC 26 15:47:56.5, 8.8, 16.66S, -171.32W, mb3.4/3, mb1 3.7/3, mb1mx3.6/15, Error ellipse: s-maj=383.0km s-min=39.9km az=139.0, Samoa Islands region

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

NIED 26 15:58:00.41, 80N, 144.30E, h5km, Mw4.5, Best double couple: M7.4x10^15 NP1:phi=182, delta=84, lambda=76, NP2:phi=294, delta=5, lambda=158

IDC 26 15:58:19.5, 0.7, 41.78N, 144.25E, mb4.1/20, mb1 4.3/20, mb1mx4.2/24, MS4.3/2, Ms1 4.3/2, ms1mx3.8/35, Error ellipse: s-maj=18.2km s-min=16.5km az=117.0

BUI 26 15:58:22.5, 4.2, 00N, 144.21E, h24km, mb4.5

JMA 26 15:58:23.9, 0.2, 41.82N, 144.34E, h38km, 3km, M4.4

MOS 26 15:58:23.1, 1.1, 41.86N, 144.25E, h33km, mb4.5/12, Error ellipse: s-maj=11.6km s-min=7.3km az=102.4

NEIC 26 15:58:24.2, 4.1, 85N, 144.24E, h28km, 11km, mb4.4/6, Error ellipse: s-maj=9.6km s-min=6.6km az=117.0

SKHL 26 15:58:25.9, 1.5, 42.10N, 144.10E, h33km, 1km, mb4.9/3, ISC 26 15:58:23.0-0.7, 41.83N, 0.04, 144.36E, 0.06, h38km, 5km, n98, 0.109/95, mb4.3/34, MS4.7/5, 10C-6D, Hokkaido region

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

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

ISC 26 15:29:13.0, 0.7, 47.008N, 0.06-40.84E, h7km, n13, 0.135/19, Turkey

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

IDC 26 16:01:45.3, 3.5, 2.01S, -135.87E, mb3.2/2, mb1 3.6/3, mb1mx3.5/12, ML3.4/1, Error ellipse: s-maj=160.0km s-min=27.1km az=80.0, Irian Jaya region

ISC 26 16:04:03.0, 2.0, 59.31N, 27.85E, mb1 3.1/4, mb1mx3.0/18, ML2.8/3, Error ellipse: s-maj=19.0km s-min=12.9km az=124.0

NAO 26 16:04:03.7, 6.6, 59.45N, 27.58E, h6km, 31km, ML2.3, ISC 26 16:04:03.7, 0.8, 59.28N, 0.03, 27.6E, 0.1, n19, 0.157/43, Baltic States - Belarus - Northwestern Russia

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

Table with columns: KURK, Kurchatov, 44.92, 305, eP, P, 16 06 35.6 -0.2

CMAR Chiang Mai Arr 45.01 253 P P 16 06 37.5 +0.6

CHKZ Chkalovo 48.81 311 P P 16 07 05.8 -0.6

CHKZ Chkalovo 48.81 311 eP P 16 07 06.0 -0.4

VOSK Vostochnoyaya 48.90 309 P P 16 07 06.2 -0.9

GUN Gumba 49.07 273 eP P 16 07 09.5 +0.7

INK Inuvik 49.09 29 P P 16 07 08.8 +0.5

INK Inuvik 49.09 29 eP P 16 07 08.6 +0.3

INK Inuvik 49.09 29 eP P 16 07 08.6 +0.2

BVAO Borovoye Array 49.14 310 P P 16 07 09.4 +0.4

BVAO Borovoye Array 49.14 310 P P 16 07 08.6 -0.4

BVAR Borovoye Array 49.14 310 P P 16 28 55.1

BRVK Borovoye 49.20 310 eP P 16 07 09.4 0.0

KKN Kakani 49.56 273 eP P 16 07 13.0 +0.3

PKI Pulchoki 49.61 273 eP P 16 07 13.0 +0.1

DMN Daman 49.80 273 eP P 16 07 14.8 +0.3

GKN Gorkha 49.95 274 eP P 16 07 15.2 -0.3

KKAR Karatay Array 52.80 298 P P 16 07 36.3 -0.5

ARU Arti 54.35 317 P P 16 07 46.8 -1.2

ARU Arti 54.35 317 eP P 16 07 46.1 -0.1

ARU Arti 54.35 317 eS P 16 19 09.5 +5.9

ARU Arti 54.35 317 P P 16 19 09.5 +5.9

ARU Arti 54.35 317 P P 16 19 09.5 +5.9

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ARU Arti 54.35 317 P P 16 19 09.5 +5.9





Table with columns: Station, Name, Time, Frequency, Mode, and other details. Includes stations like Palmer, Nan, Khon Kaen, etc.

Table with columns: Station, Name, Time, Frequency, Mode, and other details. Includes stations like Warramunga Arr, WRA, Cuddappah, etc.

Table with columns: Station, Name, Time, Frequency, Mode, and other details. Includes stations like VYHS, PSZ, BRG, etc.

Table of seismic events with columns for station name, time, magnitude, and location. Includes stations like KRIS, LPL, SMF, etc.

Table for CASC 26:16:29:43.1.2.3, 13.97N-91.67W, h18km±13km, MD3.5, ML3.6, 2C-3D, Near coast of Guatemala. Includes station names like JAT, FUG, TER, etc.

Table for NEIC 26:16:34:09.2.1.2, 34.97N-4.01W, mb3.8/19, Error ellipse: s-maj=11.9km s-min=4.9km az=11.0, PRXIMO. Includes station names like EMEL, MELI, etc.

Main table of seismic events with columns for station name, time, magnitude, and location. Includes stations like ESPR, ELUO, EQES, etc.

Table for NEIC 26:16:39:39.5.34.62N-4.00W, MG3.8(MDD), After MDD. Includes station names like EMEL, MELI, etc.

Table for Aftershock PLICA, Morocco. Includes station names like EMEL, MELI, EROA, etc.

Table of seismic events with columns for station name, time, magnitude, and location. Includes stations like EADA, EMIN, EMUR, etc.

ICD 26:17:09:07.8.7.7, 13.14N-91.73W, mb3.4/2, mb1 4.0/4, mb1mx3.7/17, ML4.1/2, Error ellipse: s-maj=141.0km

ISC 26:17:09:12.7±6.1, 13.5N-0.7±91.8W±0.4, h33km, n4, ±19/20, mb3.6/2, Near coast of Guatemala

Table for station data with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, Res ISC. Includes stations like TEIG, TXAR, YKA, etc.

NAO 26:17:19:40.5±1.8, 67.74N-20.75E, ML2.0, HEL 26:17:19:40.1±1.7, 67.86N-20.73E, ML2.0, ML1.8(BER), ML2.0(NAO), Explosion

BER 26:17:19:41.2±3.4, 67.84N-20.27E, ML1.8, ML2.0(NAO), Suspected explosion

ISC 26:17:19:36.3±0.5, 67.68N±0.03±20.06E±0.08, n17, ±15/53/29, Sweden

Table for station data with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, Res ISC. Includes stations like KIF, KTK1, etc.

ICD 26:17:24:18.6±2.3, 11.52N-92.50E, mb4.0/6, mb1 4.1/7, mb1mx3.8/16, ML3.5/1, Error ellipse: s-maj=49.8km

NEIC 26:17:24:24.0±1.7, 11.43N-92.60E, h40km, Error ellipse: s-maj=33.0km s-min=19.9km az=5.0

ISC 26:17:24:36.0±1.0, 11.8N-0.2±92.8E±0.1, h157km±7km, n13, ±0/77/15, mb3.8/6, Andaman Islands region

Table for station data with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, Res ISC. Includes stations like PBA, CMAR, LSA, etc.

ICD 26:17:25:35.0±5.0, 19.44S-170.43W, mb4.0/4, mb1 4.2/4, mb1mx3.8/15, Error ellipse: s-maj=253.0km

s-maj=39.1km az=148.0, Tonga Islands region

Table for station data with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, Res ISC. Includes stations like CTA, ASAR, WRA, etc.

ICD 26:17:39:25.5±1.6, 3.12S-129.92E, mb4.1/5, mb1 4.3/7, mb1mx4.1/15, ML3.8/2, Error ellipse: s-maj=62.9km

s-min=15.4km az=69.0, NEIC 26:17:39:32.2±1.1, 3.82S-130.14E, h75km, Error ellipse:

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

NEIC 26 18:12:54.3, 36.45N-21.17E, h5km, ML3.6(ATH), After ATH. ATH 26 18:12:54.3, 36.45N-21.17E, h5km, MD3.7/11, ML3.6...

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ITM Ithomi, VLI Velai, KYTH Kithira, etc.

NEIC 26 18:12:56.8, 0.6, 36.69N-0.04, 21.36E, 0.05, h5km, n35, e144/40, mb3.8/5, Southern Greece

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KEK Kerkira, APE Apeiranthos, LIT Litoron, etc.

NEIC 26 18:20:16.1, 1.6, 1.03N-127.13E, mb4.0/4, mb1 4.1/5, mb1mx3.9/13, ML3.7/1, Error ellipse: s-maj=99.7km s-min=21.7km az=68.0

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

NEIC 26 18:21:48.0, 0.9, 50.35N-7.62E, h10km, ML2.5(LDG), Error ellipse: s-maj=40.8km s-min=15.9km az=54.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BGG Burgetitz, STB Steinbach, KLL Kalitalsperre, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ADEN Aden, UDYN Al Udayn, LBOS Lbosa, etc.

NEIC 26 18:48:39.9, 2.8, 31.63S-178.27W, mb4.3/4, mb1 4.4/5, mb1mx4.1/15, ML3.8/1, Error ellipse: s-maj=59.6km s-min=42.0km az=123.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PUK Puketiti, URZ Urewera, MRW Makura Morrison, etc.

NEIC 26 18:53:59.5, 54.0, 18.95S-177.19W, mb3.9/3, mb1 4.1/3, mb1mx3.8/13, Error ellipse: s-maj=99.7km s-min=45.3km az=81.0, Fiji Islands region

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

SNSN 26 19:06:57.0, 24.31N-36.54E, M13.1, HLW 26 19:06:59.8, 24.23N-36.16E, h11km, MB3.4

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HAGS Hagol, UMJS Umm Lajj, HSHL Bi'r Shalayatayn, etc.

NEIC 26 19:02:28.8, 8.2, 49.3N, 0.2, 155.4E, 0.3, h27km, mb60km, n7, e1507/7, mb3.6/6, Kuril Islands

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

BUI 26 19:50:41.0, 0.3, 34.2N-96.58E, h89km, mb5.1, mb4.9, Ms4.2, Ms2.0

NEIC 26 19:50:42.8, 0.9, 3.47N-96.61E, h83km, mb6km, mb4.7/28, Error ellipse: s-maj=6.9km s-min=4.7km az=60.0

MOS 26 19:50:43.6, 1.2, 3.74N-96.77E, h84km, mb4.9/9, Error ellipse: s-maj=20.9km s-min=7.7km az=103.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KGM Kluang, NNT Nonplang, CHAT Chantaburi, etc.

NEIC 26 19:50:43.0, 0.9, 3.49N, 0.0, 96.67E, 0.4, h82km, mb6km, h83km, 5.7km, p-P, N163, e190/153, mb4.7/61, 3C-7D, Northern Sumatra

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HYB Hyderabad, TG Yagay City, PKI Pulchoki, etc.

NEIC 26 19:50:43.0, 0.9, 3.49N, 0.0, 96.67E, 0.4, h82km, mb6km, h83km, 5.7km, p-P, N163, e190/153, mb4.7/61, 3C-7D, Northern Sumatra

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ENH Enshi, DDI Dehra Dun, SDNR Sundarnagar, etc.

NEIC 26 19:50:43.0, 0.9, 3.49N, 0.0, 96.67E, 0.4, h82km, mb6km, h83km, 5.7km, p-P, N163, e190/153, mb4.7/61, 3C-7D, Northern Sumatra

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NWAO Narrogin (SRO), DL2 Dalian, KZA Kyzart, etc.







Table with columns: Station Name, Frequency, Mode, Power, SNR, etc. Includes stations like CN2, BSEGG, WTTA, NRCA, etc.

Table with columns: Station Name, Frequency, Mode, Power, SNR, etc. Includes stations like ETSF, DAG, TGYY, MA2, MAJO, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, SNR, etc. Includes stations like PUKETTI, Urewera, URZ, etc.

NEIC 27 00:50:35.1, 35.12N, 3.83W, MG3.6(MDD), After MDD. INMG 27 00:50:35.6, 1.1, 35.01N-3.78W, h314m, 13km, ML2,3. Error ellipse: s-maj=6.4km s-min=4.3km az=3.0. MDD 27 00:50:35.0, 1.1, 35.12N, 3.84W, mb3.7/16, Error ellipse: s-maj=12.5km s-min=4.4km az=13.0, PRXIMO. After shock PLICA. ISC 27 00:50:34.7, 0.7, 35.10N, 4.05E-03.3.89W, 0.03, h311km, n41, r132/68, Strait of Gibraltar.





Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FSSB Fossofbrone, STON Ston, MNS Montasola, etc.

NIED 27 02:50:00, 41.70N, 144.30E, h17km, Mw4.3. Best double couple: M3.66x10^15 NP1.9x10^16, 867°, 1.54°. NP2: 257°, 842°, 1.144°.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JEM Erimo, JCH Churui, JOB Onbets, etc.

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

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

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

NEIC 27 02:56:19.3, 34.29N-26.53E, h21km, mb4.0/7, MD3.7(AH), After ATH.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like XRY Khrisi, KRIS Kristallenia, NPIS Neapolis, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HMDT Nahal Hermit, DRIG Dragot, KMTI Karmit, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DAVOX Davos, MBDF Mambardon, LPG La Plagne, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CDF Champ du Feu, MTF Montlieux, CLF Les Rejaudoux, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MEZF Maizieres J'vi, LOR Lormes, AVF Avril sur Loir, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BGF Bois d'Agland, TCF Touit Ste Croi, BAIF Baives, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KBS Kingsbay, KBS Kingsbay, SPA0 Spitsbergen Ar, etc.

NIED 27 03:00:00, 21.50N, 121.80E, h5km, Mw3.9. Best double couple: M7.79x10^14 NP1.9x10^18, 866°, 1.20°. NP2: 304°, 638°, 1.41°.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BJI Beijing, BJI Hachiojima 2, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BRVK Borovoye, STKA Stephens Creek, ILAR Eielson Array, etc.

IDC 27 03:24:23.6, 6.4, 4.65S-100.92E, mb3.6/3, mb1.3/9, mb1mx3.7/13, Error ellipse: s-maj=308.0km s-min=27.4km az=51.0, Southwest of Sumatara

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.

BER 27 03:25:14.6, 6.4, 4.65S-100.92E, h25km, 136km, ML2.2(NAO)

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SPA0 Spitsbergen Ar, SPA0 Spitsbergen Ar, KBS Kingsbay, etc.

NEIC 27 04:04:29.1, 4.0, 15.21S-74.60W, h74km, h74km, mb4.5/2, Error ellipse: s-maj=52.4km s-min=27.2km az=86.0

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

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Bhubimol Dam, Nakhon Sawan, Makanchi Array, etc.

IDC 27 04:18:22.6,0.8,39.85N,69.17E,mb4.2/13,mb1 4.4/16, mb1mx3.4/20,ML4.2/3,MS3.6/8,Msl 3.7/8,ms1mx3.5/20, Error ellipse: s-maj=16.6km s-min=15.2km az=176.0

BUI 27 04:18:24.7, 40.14N,69.36E,h5km,mb4.3,ML4.6,MS4.4 NEIC 27 04:18:25.3,0.4,40.10N,69.29E,h10km,mb4.4/19, Error ellipse: s-maj=9.8km s-min=6.0km az=176.0

NCC 27 04:18:27.3,8.4,40.13N,69.18E,h27km,2.2km,mpv4.2, Error ellipse: s-maj=20.5km s-min=17.6km az=5.0

ISC 27 04:18:25.2-1.8,40.11N,0.03,69.24E,0.06,h20km,1.4km, n88,c131/94,mb4.3/30,MS3.6/6,11C-7D,Tajikistan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Karatay Array, Almayashu, Erkin-Say, etc.

ISC 27 04:43:51.0, 1.0, 39.61N, 40.62E, h10km, mb4.0/1, Error ellipse: s-maj=23.7km s-min=12.0km az=175.0

IDC 27 04:43:51.1, 3.3, 39.95N, 40.77E, mb3.4/6, mb1 3.7/8, mb1mx3.6/20, ML3.8/2, MS3.4/7, Msl 3.4/7, ms1mx3.2/18, Error ellipse: s-maj=23.8km s-min=19.8km az=173.0

ISC 27 04:43:51.0-0.4, 39.93N, 40.04, 40.80E, 0.04, h10km, n32, c125/32,mb3.4/7,MS3.3/6,Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Erzurum, Bingol, Gumushane, etc.

IDC 27 04:47:59.2,2.2,6.85S,-128.54E,mb3.8/1,mb1 3.5/3, s-min1.31,ML3.1/2, Error ellipse: s-maj=200.0km

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ARCÉS, ARCÉS ARCESS Array B, Dobruska-Polom, etc.

ISC 27 04:43:49.5, 39.90N, 40.76E, h5km, MD4.0 NEIC 27 04:43:51.0, 1.0, 39.61N, 40.62E, h10km, mb4.0/1, Error ellipse: s-maj=23.7km s-min=12.0km az=175.0

IDC 27 04:43:51.1, 3.3, 39.95N, 40.77E, mb3.4/6, mb1 3.7/8, mb1mx3.6/20, ML3.8/2, MS3.4/7, Msl 3.4/7, ms1mx3.2/18, Error ellipse: s-maj=23.8km s-min=19.8km az=173.0

ISC 27 04:43:51.0-0.4, 39.93N, 40.04, 40.80E, 0.04, h10km, n32, c125/32,mb3.4/7,MS3.3/6,Turkey

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

IDC 27 04:47:59.2,2.2,6.85S,-128.54E,mb3.8/1,mb1 3.5/3, s-min1.31,ML3.1/2, Error ellipse: s-maj=200.0km

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

BUI 27 04:48:46.7, 27.23N, 103.72E, h19km, ML3.5, MSz3.5, Yunnan

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

IDC 27 05:16:56.7, 1.6, 7.26S, -121.93E, mb3.3/1, mb1 3.9/4, mb1mx3.8/14, ML3.7/3, Error ellipse: s-maj=159.0km s-min=25.0km az=59.0, Flores Sea

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

NEIC 27 05:20:47.8, 1.4, 67N, 6.03W, MN1 2(MDD), After MDD, MDD 27 05:20:47.8, 1.8, 41.67N, 8.03W, mL1 3/2, Error ellipse: s-maj=14.0km s-min=7.6km az=162.0, PRXIMO

ISC 27 05:20:44.4, 1.4, 41.65N, 0.06, 5.94W, 0.10, n9, c06/62/10, Spain

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PBGR, ECAL, ERUA, etc.

IDC 27 05:47:48.8, 1.1, 31.84S, 179.07W, mb4.1/4, mb1 4.4/5, mb1mx4.2/14, ML4.0/1, Error ellipse: s-maj=35.3km s-min=27.2km az=126.0

NEIC 27 05:47:55.3, 3.3, 32.02S, 179.17W, h39km, 25km, mb4.5/7, Error ellipse: s-maj=26.9km s-min=11.6km az=225.0

ISC 27 05:48:02.9, 2.0, 32.52S, 0.08, 179.9W, 0.1, h88km, 16km, n35, c124/33, mb4.4/9, 3C, South of Kermadec Islands

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

IDC 27 06:14:24.0,2.6,22.59Sx171.49E,mb4.7/6,mb1 4.8/6, mb1mx4.5/13, MS5.5/5, Ms1 5.5/5, ms1mx4.8/14, Error

ellipse: s-maj=67.1km s-min=39.8km az=144.0 NEIC 27 06:14:34.7z,2.9,22.34S; 171.10E, h63km, 19km, mb4.7/9, Error ellipse: s-maj=29.4km s-min=21.8km az=223.0

ISC 27 06:14:34.1,2.2,22.5S,0.1,171.1E,0.1, h76km, 18km, n38, o=123.30,mb4.6/11,3C-3D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Rows include stations like Mont Dzumac, Port Laguerre, Butte a Klehm, etc.

DHMR 27 06:16:09.5:1.4, 11.95N:44.10E, h15km, 13km, MD3.3, ML3.5, 2C-2D, Western Gulf of Aden

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Rows include stations like Aden, Udayan, etc.

BJI 27 06:19:34.5, 6.22Sx155.33E, h63km, mb5.7, mb5.8, Ms5.4, Ms25.3

SYO 27 06:19:36.8, 6.26Sx154.76E, h48km, MB5.7, MS5.5 HRVD 27 06:19:36.9, 1.0, 6.40S:154.77E, h38km, MW5.8/7.5, Centroid moment tensor solution. LP body waves:

s74,c163:Mantle waves: s75,c158; Half duration: 198 Moment tensor: Scale 1017Nm; Mr:3.58z:0.6; Mw:4.05z:0.4; Mo:0.47z:0.5; Mo:3.24z:0.6; Mo:0.90z:0.5; Mw:0.80z:0.6; Best double couple: Ms:1.6x10^17 NP1: o=299; delta=1.22; NP2: o=84; delta=66; n78; Principal axes: T5.02, Plg65, Azm327; n, 2.78, Plg14, Azm91; P -5.3, Plg19; Azm186; nsta1 refers to body waves, cutoff=40s; nsta2 refers to surface waves, cutoff=50s.

NEIC 27 06:19:36.9, 1.0, 6.26S:154.76E, mb5.7/7.3, MS5.4 MS5.5/10, MW5.9 Error ellipse: s-maj=4.8km s-min=3.5km az=121.0 Broadband fault plane solution: P waves. NP1: o=150; delta=5; lambda=90; NP2: o=330; delta=5; lambda=90; Principal axes: T Plg90, Azm0; N Plg0; Azm0; P Plg0; Azm60; Moment Tensor Solution. s24 Moment tensor: Scale 1017 Nm; Mr:6.66; Mw:1.63; Mo:5.02; Mo:0.84; Mo:2.99; Mw:1.49; Best double couple: Mo:6.9x10^17 NP1: o=330; delta=38; lambda=90; NP2: o=150; delta=5; lambda=90; Principal axes: T 6.87, Plg83; Azm61; N 1.1, Plg0; Azm330; P -6.98, Plg7, Azm240; Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism.

IDC 27 06:19:37.1, 0.5, 6.29S:154.73E, h48km, 9km, mb5.5/25, mb1 5.6/27, mb1mx5.5/28, MS5.3/15, Ms1 5.3/15, ms1mx5.2/16 Error ellipse: s-maj=11.2km s-min=8.6km az=104.0

ISC 27 06:19:38.2:1.0, 6.25S:0.03x154.71E, 0.03, h69km, 9km, h49km, 1.0km; p-P, n454, o=94/275, mb5.7/118, 30C-15D, Bougainville - Solomon Islands region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Rows include stations like Rabaul, Wau, Port Moresby, etc.

Main table listing seismic stations and events with columns: NOUC, Port Laguerre, DZM, Mont Dzumac, GUM, Guam, etc.

Main table listing seismic stations and events with columns: DL2, POHA, MDJ, CHAT, PPT, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KGD, RSO, HYB, LGTI, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like INK, OCHM, LON, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like TXAR, KBS, FCC, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like VRAC, PAL, CPNY, PVGC, BRG, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LASF, RJF, CAF, CPUP, CPUP, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NEIC 27 07:24:33.8, GUMO, KS15, etc.

Table with columns: MAJO, Matsuhiro, 8.00 336 eP, P, 07 59 10.3 -1.2, etc. Includes stations like Matsuhiro, Nakatsue, Wuzhuy Arr, etc.

NDI 27 07:57:37.8-2.1, 33.05N-76.14E, h33km, mb3.8, MD2.4, Kashmir-India border region

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, etc. Includes stations like DLH, THN, THN, THN, etc.

Table with columns: NVAR, Mina Arr, 74.28 322 P, P, 08 14 18.2 +0.7, etc. Includes stations like YKA, YKA, YKA, etc.

MAN 27 08:43:55.3, 9.12N x 125.81E, h16km, mb4.2, ML3.0, MS2.7, Mindanao

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

NEIC 27 09:07:37.4-1.5, 24.69S x 179.93E, h508km, 17km, mb5.1/16, Error ellipse: s-maj=12.0km s-min=8.9km az=182.0

IDD 27 09:07:37.4-1.4, 24.76S x 179.87E, h501km, 14km, mb4.0/14, mb1.4/15, mb1.0mx4.1/17, Error ellipse: s-maj=16.3km s-min=11.8km az=176.0

ISC 27 09:07:36.5-1.3, 24.70S x 179.84E, 0.07, h506km, 15km, n58, 09:9749, mb4.6/22, 3C-5D, South of Fiji Islands

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

Table with columns: HFS, Hagfors, 143.30 348 PKP, PKPdf, 09 26 10.8 -0.9, etc. Includes stations like ASF, KSP, KSP, etc.

ISK 27 09:12:26.2, 39.86N-40.78E, h5km, MD3.7, ISC 27 09:12:27.3-0.6, 39.89N-40.06-40.83E, 0.05, h5km, n14, 08:57:18, Turkey

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

IDC 27 09:44:51.6-1.1, 5.28N-127.59E, mb3.6/5, mb1.3/8.5, mb1mx3.7/15, Error ellipse: s-maj=71.5km s-min=20.9km az=72.0

ISC 27 09:44:54.6-1.1, 5.22N-127.52E, 0.5, h33km, n5, 01:05/5, mb3.5/5, Philippine Islands region

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

IDC 27 10:00:53.4-1.1, 5.02N-88.35E, mb3.6/6, mb1.4/0.9, mb1mx3.8/19, ML4.0/3, MS2.7, Ms1 2/7.1, ms1mx2.4/33, Error ellipse: s-maj=14.0km s-min=10.3km az=89.0

ISC 27 10:00:55.5-1.3, 5.02N-88.15E, h18km, 42km, mpv4.3, Error ellipse: s-maj=56.6km s-min=26.4km az=83.0

ISC 27 10:00:55.7-1.0, 5.02N-88.15E, h10km, n15, 01:25/23, mb3.6/6, 9C-2D, Southwestern Siberia

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, etc. Includes stations like ZAL, ZAL, ZAL, etc.

HEL 27 10:14:56.7-0.1, 64.00N-22.00E, h8km, ML1.9, ML2.2(UPP), ML2.0(NAO)

NAO 27 10:14:58.8-1.7, 64.21N-23.62E, ML2.0, BER 27 10:15:01.4-2.4, 64.19N-23.71E, ML2.0(NAO), Suspected explosion

ISC 27 10:14:53.8-0.7, 64.07N-0.03-22.12E, 0.10, n18, 01:45/36, Sweden

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, etc. Includes stations like VAF, VAF, VAF, etc.

Table with columns: Call sign, Name, Azimuth (AZ), Elevation (Z), Frequency (F), Bandwidth (B), Date/Time (D/T), Mode, Signal strength (S), P/N, SNR, and other technical details.

Table with columns: Call sign, Name, Azimuth (AZ), Elevation (Z), Frequency (F), Bandwidth (B), Date/Time (D/T), Mode, Signal strength (S), P/N, SNR, and other technical details.

Table with columns: Call sign, Name, Azimuth (AZ), Elevation (Z), Frequency (F), Bandwidth (B), Date/Time (D/T), Mode, Signal strength (S), P/N, SNR, and other technical details.

BUI 27 10:16:26.7, 6.20N<127.15E, h114km, mb5.0, mb4.6

NEIC 27 10:26:42.1, 69.50N<144.70W, h44km, ML3.1(AEIC), After AEIC... Northern Alaska

NEIC 27 10:26:42.1, 69.50N<144.70W, h44km, ML3.1(AEIC), After AEIC... Northern Alaska

NEIC 27 10:16:31.6, 1.3, 6.53N<127.06E, h114km, mb5.0, mb6.1/2, Error ellipse: s-maj=13.6km, s-min=5.1km, az=77.0

Table with columns: Code, Station Name, Azimuth (AZ), Elevation (Z), Phase ID, Time, Frequency (F), Signal strength (S), and other technical details.

Table with columns: Code, Station Name, Azimuth (AZ), Elevation (Z), Phase ID, Time, Frequency (F), Signal strength (S), and other technical details.

Table with columns: Code, Station Name, Azimuth (AZ), Elevation (Z), Phase ID, Time, Frequency (F), Signal strength (S), and other technical details.

ISK 27 10:33:23.1, 39.89N<40.76E, h6km, MD3.5

ISK 27 10:33:23.1, 39.89N<40.76E, h6km, MD3.5

Table with columns: Code, Station Name, Azimuth (AZ), Elevation (Z), Phase ID, Time, Frequency (F), Signal strength (S), and other technical details.

Table with columns: Code, Station Name, Azimuth (AZ), Elevation (Z), Phase ID, Time, Frequency (F), Signal strength (S), and other technical details.

Table with columns: Code, Station Name, Azimuth (AZ), Elevation (Z), Phase ID, Time, Frequency (F), Signal strength (S), and other technical details.

SOI 27 10:39:22.0, 40.52N<23.67E, h1km, MD3.7

SOI 27 10:39:22.0, 40.52N<23.67E, h1km, MD3.7

SOI 27 10:39:22.0, 40.52N<23.67E, h1km, MD3.7

Table with columns: Code, Station Name, Azimuth (AZ), Elevation (Z), Phase ID, Time, Frequency (F), Signal strength (S), and other technical details.

Table with columns: Code, Station Name, Azimuth (AZ), Elevation (Z), Phase ID, Time, Frequency (F), Signal strength (S), and other technical details.

Table with columns: Code, Station Name, Azimuth (AZ), Elevation (Z), Phase ID, Time, Frequency (F), Signal strength (S), and other technical details.





27d 15h

Table of station data for 27d 15h, listing stations like BJI, ENH, TNA, etc. with columns for code, station name, frequency, and other technical details.

IDC 27 14:06:23.0 15.0, 19.96S, 177.68W, h433km, 153km, mb3.2/4, mb1 3.5/4, mb1tmx3.2/12, Error ellipse: s-maj=189.0km s-min=57.9km az=145.0

Table of station data for IDC 27 14:06:23.0, listing stations like ASAR, WRAB, WRA, etc.

2004 MAR

IDC 27 14:18:53.2, 1.9, 21.61S, 179.76W, h590km, 19km, mb3.5/10, mb1 3.7/10, mb1tmx3.6/14, Error ellipse: s-maj=45.0km s-min=10.7km az=158.0

NEIC 27 14:18:54.5, 3.0, 21.74S, 179.69W, h615km, 36km, mb4.6/8, Error ellipse: s-maj=36.1km s-min=16.4km az=160.0

ISC 27 14:18:53.8, 2.5, 21.85S, 179.8W, 0.2, h620km, 33km, n28, c074/26, mb4.2/15, 2D, Fiji Islands region

Table of station data for 2004 MAR, listing stations like ARMA, CTA, CTAO, etc. with columns for code, station name, frequency, and other technical details.

NEIC 27 14:31:00.9, 35.09N, 3.81W, MG2.7(MDD), After MDD: MDD 27 14:31:01.2, 2.2, 35.09N, 3.78W, mb3.5/1, Error ellipse: s-maj=20.9km s-min=8.4km az=14.0, PRXIMO

AftershockPLICA, Strait of Gibraltar

Table of station data for NEIC 27 14:31:00.9, listing stations like Code, Station Name, Frequency, and other technical details.

SKHL 27 14:47:17.0, 0.0, 45.32N, 141.80E, h310km, 9km, mb4.1/6, Msha4.5/2

JMA 27 14:47:18.7, 0.3, 45.38N, 141.65E, h294km, 2km, M2.8

NEIC 27 14:47:18.2, 0.9, 45.36N, 141.82E, h289km, 11km, mb3.8/4, Error ellipse: s-maj=17.8km s-min=10.3km az=132.0

IDC 27 14:47:18.7, 0.8, 45.41N, 141.49E, h286km, 7km, mb3.1/8, mb1 3.4/9, mb1tmx3.2/20, Error ellipse: s-maj=20.7km s-min=13.2km az=116.0

ISC 27 14:47:17.4, 0.3, 45.37N, 141.59E, 0.06, h298km, 3km, n48, c103/58, mb3.5/10, 1D, Hokkaido region

Table of station data for SKHL 27 14:47:17.0, listing stations like Code, Station Name, Frequency, and other technical details.

584

Table of station data for 584, listing stations like TYV, TYV, TYV, etc. with columns for code, station name, frequency, and other technical details.

IDC 27 15:08:05.6, 2.8, 30.21S, 177.49W, mb4.0/4, mb1 4.2/5, mb1mx4.0/15, ML3.1/1, Error ellipse: s-maj=62.9km s-min=41.8km az=126.0

ISC 27 15:08:15.4, 5.4, 30.6S, 0.1, 178.4W, 0.8, h33km, n6, c097/6, mb4.0/4, Kermadec Islands region

Table of station data for IDC 27 15:08:05.6, listing stations like Code, Station Name, Frequency, and other technical details.

NEIC 27 15:52:46.3, 0.4, 5.39S, 147.00E, mb4.9/8, Error ellipse: s-maj=9.8km s-min=7.0km az=107.0

IDC 27 15:52:46.1, 0.7, 5.50S, 146.98E, h188km, 6km, mb3.4/5, mb1 3.6/7, mb1tmx3.6/11, Error ellipse: s-maj=16.7km s-min=8.8km az=98.0

ISC 27 15:52:45.2, 0.8, 5.41S, 0.07, 146.96E, 0.09, h193km, 7km, n190, c11, 8km, n37, c099/42, mb4.1/11, 5D, Eastern New Guinea region

Table of station data for NEIC 27 15:52:46.3, listing stations like Code, Station Name, Frequency, and other technical details.

Table with columns: ILAR, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

MAN 27 16:30:57.3, 13.49N-120.53E, h53km, mb3.3, ML1.9, MS1.3, Mindoro

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

NEIC 27 17:41:17.9, 32.21S-69.56W, h127km, MD3.4(GUC), After GUC

GUC 27 17:41:17.9, 0.7, 32.21S-69.56W, h127km, MD3.4, ML3.5, 10C-10D, Mendoza Province

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

FCH Farellones, PEL Pedelhue, ROCH El Roble, CLCH Cerro Calan

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

CMCH Combarbala, PCH Pirique, ANTU Antumapu

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

TACH Talagante, CHCH Chadas Angostu, CACH El Canelo, LCCH Las Cruces

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

LNV Longovillo, SFDO San Fernando

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

ISK 27 17:48:46.0, 38.16N-41.49E, h5km, MD3.6, 1C, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

NEIC 27 17:51:47.8, 0.9, 31.00S-176.54W, h10km, Error ellipse: s-maj=34.7km

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

NEIC 27 17:51:45.8, 1.1, 30.9S-0.1, 176.6W, 0.2, h10km, n6, +158/6, mb3.7/3, Kermadec Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

NEIC 27 17:58:53.1, 38.07S-175.64E, h243km, After WEL, WEL 27 17:58:53.0, 5.38, 38.09S-175.71E, h243km, 6km, ML3.6/3, Error ellipse: s-maj=10.5km

North Island

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

Table with columns: WAZ, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

MAN 27 18:16:30.0, 11.69N-125.73E, h2km, mb4.3, ML3.1, MS2.9

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

NEIC 27 18:28:38.6, 1.3, 24.9N-0.1, 94.9E, 0.2, h135km, 16km, n18, +0571/18, mb3.4/4, Myanmar-India border region

LSA Lhasa, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

ENH Enshi, MKAR Makanchi Arr, MKAR Makanchi Arr

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

ENH Enshi, MKAR Makanchi Arr, MKAR Makanchi Arr

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

LDG 27 18:45:23.9, 0.1, 33.98N-89.19E, h10km, Mb5.6/40, Error ellipse: s-maj=7.7km

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

LDG 27 18:45:24.8, 33.92N-89.20E, h13km, mb5.3, mb5.1, Ms5.8, Msz5.6

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

LDG 27 18:45:24.7, 0.5, 34.01N-89.35E, mb4.9/22, mb1.5/0.24, mb1mx5.0/25, ML4.1/2, MS5.8/1, Ms1.5/8.1, ms1mx4.8/15

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

NEIC Felt in the Bange area, NNC 27 18:45:27.8, 3.3, 34.36N-89.22E, Error ellipse: s-maj=119.1km

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

LSA Lhasa, GUN Gumba, KKN Kakani, GKN Gorkha, PKI Pulchoki

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

SHL Shilong, PTH Pithoragarh, PTH Pithoragarh, JOSI Joshimath, JOSI Joshimath

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

Table with columns: ALBI, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

MAN 27 18:16:30.0, 11.69N-125.73E, h2km, mb4.3, ML3.1, MS2.9

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

NEIC 27 18:28:38.6, 1.3, 24.9N-0.1, 94.9E, 0.2, h135km, 16km, n18, +0571/18, mb3.4/4, Myanmar-India border region

AKL Akola, KK31 Karatay Arr, KK31 Karatay Arr

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

AKL Akola, KK31 Karatay Arr, KK31 Karatay Arr

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

AKL Akola, KK31 Karatay Arr, KK31 Karatay Arr

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

AKL Akola, KK31 Karatay Arr, KK31 Karatay Arr

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

AKL Akola, KK31 Karatay Arr, KK31 Karatay Arr

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

AKL Akola, KK31 Karatay Arr, KK31 Karatay Arr

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

AKL Akola, KK31 Karatay Arr, KK31 Karatay Arr

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

AKL Akola, KK31 Karatay Arr, KK31 Karatay Arr

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

AKL Akola, KK31 Karatay Arr, KK31 Karatay Arr

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details.

27d 18h

Table with columns: Call sign, Name, Frequency, Mode, and other details. Includes stations like AB31 Akbulak array, HIA Hailar, PALK Palleke, etc.

2004 MAR

Table with columns: Call sign, Name, Frequency, Mode, and other details. Includes stations like KOLL Kolacno, EVR Evrytania, SPITS Spitsbergen Ar, etc.

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Table with columns: Call sign, Name, Frequency, Mode, and other details. Includes stations like BOB Bobbio (Coli), FX1 Attu Island-F, VAI Varese, etc.







Table of radio station data for the first column, including call letters, frequency, and other details.

Table of radio station data for the second column, including call letters, frequency, and other details.

Table of radio station data for the third column, including call letters, frequency, and other details.



Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Mode, Power, etc. Rows include stations like Lakeview Retre, Junction City, Lajitas Array, etc.

IDC 27 18:56:35.8-1.4, 34.01N-89.20E, mb3.7/4, mb1 4.0/5, mb1mx3.7/15, Error ellipse: s-maj=58.6km s-min=24.9km az=60.0

NEIC 27 18:56:37.3-0.8, 33.94N-89.01E, h10km, Error ellipse: s-maj=42.4km s-min=11.0km az=67.0

ISC 27 18:56:41.8-3.2, 34.1N, 0.2-89.3E-0.4, h61km, 36km, n6, +182/g, mb3.6/3, Xizang

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Mode, Power, etc. Rows include stations like LSA Lhasa, CMAR Chiang Mai Arr, ZAL Zalesovo, etc.

IDC 27 18:59:12.1-2.1, 1.81N-127.52E, mb3.9/4, mb1 4.1/4, mb1mx3.9/13, Error ellipse: s-maj=170.0km s-min=24.9km az=66.0, Halmahera

SKHL 27 19:02:58.4-0.1, 50.65N-132.49E, h8km, 2km, mb3.6/4, ISC 27 19:02:58.8-1.6, 50.59N-132.32E-0.07, h8km, n6, +682/14, Southeastern Siberia

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Mode, Power, etc. Rows include stations like WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Mode, Power, etc. Rows include stations like GRNR Gornyy, YASR Yasny, YASR Yasa, etc.

IDC 27 19:04:35.3-1.2, 33.86N-89.09E, mb3.5/5, mb1 3.8/7, mb1mx3.6/16, ML2.6/1, Error ellipse: s-maj=54.0km s-min=21.6km az=57.0

NEIC 27 19:04:36.8-0.6, 33.82N-88.97E, h10km, Error ellipse: s-maj=36.3km s-min=8.5km az=65.0

ISC 27 19:04:37.4-0.9, 34.0N, 0.2-89.1E-0.4, h10km, n8, +687/8, mb3.6/4, Xizang

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Mode, Power, etc. Rows include stations like LSA Lhasa, MKAR Makanchi Array, CMAR Chiang Mai Arr, etc.

IDC 27 19:07:54.1-0.8, 34.00N-89.39E, mb3.9/9, mb1 4.2/10, mb1mx4.0/18, ML3.5/2, Error ellipse: s-maj=44.2km s-min=16.1km az=53.0

NEIC 27 19:07:57.0-3.6, 33.96N-89.19E, h20km, 24km, mb4.0/2, Error ellipse: s-maj=15.7km s-min=6.4km az=64.0

ISC 27 19:07:55.3-3.5, 34.04N, 0.07-89.3E-0.1, h21km, 28km, n20, +193/20, mb3.9/8, Xizang

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Mode, Power, etc. Rows include stations like LSA Lhasa, GUN Gumba, KKN Kakani, etc.

NEIC 27 19:15:08.1, 34.96N-3.99W, MG3.8(MDD), After MDD, MDD 27 19:15:08.5-1.1, 34.99N-3.97W, mb3.9/9, Error ellipse: s-maj=11.3km s-min=4.7km az=10.0, PRXIMO

INMG 27 19:15:10.2-1.1, 34.89N-4.01W, h57km, 7km, ML2.7, Error ellipse: s-maj=5.2km s-min=3.3km az=171.0

LDG 27 19:15:11.6, 35.11N-4.34W, h222km, ISC 27 19:15:07.5-0.7, 35.07N, 0.05-4.06W-0.03, h10km, n53, +1931/90, Strait of Gibraltar

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Mode, Power, etc. Rows include stations like EMEL Mellilla, MELI Mellilla, REAL Reales, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Mode, Power, etc. Rows include stations like ELUO Quesada, EQES Quesada, EHOR Hornachuelos, etc.

NNC 27 19:23:04.5-0.5, 37.69N-70.19E, mpp4.0, Error ellipse: s-maj=52.3km s-min=36.0km az=108.0

ISC 27 19:22:56.7-3.7, 37.1N-0.3-71.6E-0.5, h240km, 61km, n13, +051/15, 1C-2D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Mode, Power, etc. Rows include stations like AML Almayashu, UCH Uchtoir, EKS2 Erkin-Say, etc.

IDC 27 19:26:25.0-6.3, 30.75S-177.38W, mb3.4/2, mb1 3.7/2, mb1mx3.6/13, Error ellipse: s-maj=257.0km s-min=57.1km az=155.0, Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Mode, Power, etc. Rows include stations like ASAR Alice Springs, WRA Warramunga Arr, FINES Fines Array B, etc.



Table with columns: STKA, YKA, LBTB, TXAR, SBA, VNA2, VNA2, VNA2, VNA2, VNA2, VNA3, VNA3, CPUP, CPUP. Rows include station names, coordinates, and various codes.

GUC 27.20:15:36.5.0.23.47S.69.83W, h61km, 15km, MD3.9, ML4.4
NEIC 27.20:15:36.5.23.47S.69.83W, h61km, mb3.6/1, MD4.2(GUC), After GUC.
IDC 27.20:15:38.1.1.6.20.04S.68.10W, mb3.4/1, mb1 3.8/2, mb1mx3.0/2, ML3.6/1, Error ellipse: s-maj=117.0km s-min=45.0km az=45.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like ANCH, ANCH, ANCH, LVC, LVC, LVC, LVC, LVC, CPN1, CPN1, CPCH, ARE, ARE, LPAZ, CPUP, OTAV, VNA2, VNA2, YKA, YKA, ASAR, WRA.

INMG 27.21:07:46.7.0.8.36.60N.7.63W, h20km, 4km, ML1.5, Error ellipse: s-maj=9.2km s-min=5.0km az=110.0
NEIC 27.21:07:48.0.36.70N.7.29W, h9km, MN1.5(MDD), After MDD
MDD 27.21:07:48.0.1.8.36.70N.7.29W, h9km, 6km, mlb1g1.5/3, Error ellipse: s-maj=15.8km s-min=6.9km az=40.0, PRXIMO
ISC 27.21:07:45.8.1.3.36.73N.0.08.7.44W.0.06.420km, n10, e117.17, Strait of Gibraltar

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like PALC, EGRO, EGRO, EMIN, EMIN, ESPR, ESPR, PTEO, PBEJ, PBEJ, ELIJ, ELIJ, EHOR, EHOR, EADA, EADA, PCBR, PCBR.

BJJ 27.21:17:54.3.53.79N.163.37W, h15km, mb5.0, mb4.7, Ms4.6, Ms2.4
NEIC 27.21:17:57.3.53.66N.162.93W, h33km, mb4.5/18, ML4.0(AEIC), After AEIC.
IDC 27.21:17:58.1.0.8.53.86N.163.07W, h34km, 4km, mb4.1/22, mb1 4.2/24, mb1mx4.2/30, ML3.9/2, MS4.0/3, Ms1 3.9/3, ms1mx3.3/4, Error ellipse: s-maj=19.8km s-min=10.7km az=180.0
ISC 27.21:17:56.7.0.7.53.69N.0.06.162.98W.0.06.414km, n2, h35km, 5km, pP, n118, e092/122, mb4.5/44, Ms4.0/2, 1C, South of Alaska

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like FALS, WESS, WESS, DRIA, WTUG, BALA, DUTON, AHB, PVV, PNTA, BLHA, UNV, SDN, MTBL, SDPT, SDPT, MGR, NIKO, ATKA.

Table with columns: RSO, TNA, MCK, ILAR, FX1, DAWY, DLBC, INK, BILL, YKA, YKA, YKA, YBH, HLID, TIKI, INVAR, ASAJ, PDAR, PDAR, FCC, MAJO, MAT, MAT, MAT, FRB, FRB, CN2, CN2, CN2, DAGS, SPITS, TXAR, JUNU, SCHO, ULN, KEV, ARCES, ZAL, JOF, KURK, CHKZ, KAF, BVAR, BRVK, FINES, NB2, NOA, MKAR, MKAR, HFS, USP, CHMS, KKB, AAK, EK2S, AML, LSA, CLL, CLL, MOX, MOX, BAIF, PVCC, DPVC, KKC, PRIU, OKC, FLN, GRA1, LDF, GRR, GRR, LOR, KHC, GERES, CDF, HAU, HAU, SFJ, MFF, AVF, GUN, BMF, BMF, CABP, DAVOX, PKI, GMR, CMAR, DMN, PERS, GROS, CADR, RLF, KJN, LOR, LFF, LPL, LPL, LPL, MLR.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like DDI, VBF, VBF, MTLF, EPF, ETSF, BJI, CHIANG, NEIC, ISC, Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like LSA, MKAR, ENH, CMAR, ZAL, MLR, HFS, NOA, GERES, WRA, ILAR.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like LSA, MKAR, CMAR, ZAL, BVAR, NB2, NOA, GERES, WRA, ASAR, ILAR, NEIC, INMG, MDD, ISC, Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like ERUA, EINC, EINC, ELOB, ELOB, ECAL, PBRG, PBRG, PVRL, PVRL, EPON, EPON, EMAZ, EMAZ, PVIS.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like JAT, JAT, JAT, IXG, IXG, GCG, GCG, CUSS, CUSS, RBDL, RTR, RTR, SBLS, SBLS, SNUJ, SNUJ, MRL, MRL, BOQS, BOQS, LFRS, LFRS, LCBS, SNVI, IDC.

Table with columns: DDI, VBF, VBF, MTLF, EPF, ETSF. Rows include station names, coordinates, and codes.

BJJ 27.21:23:38.1.33.85N.89.09E, h9km, mb3.8, ML3.3
IDC 27.21:23:39.0.0.8.34.06N.89.39E, mb3.8/8, mb1 4.0/10, mb1mx3.9/17, ML3.4/2, Error ellipse: s-maj=44.0km
NEIC 27.21:23:41.3.0.5.33.97N.89.21E, h10km, mb3.8/1, Error ellipse: s-maj=17.6km s-min=7.0km az=57.0
ISC 27.21:23:39.2.0.7.34.1N.0.1.89.4E.0.2, h9km, n12, e081/12, mb3.9/7, Xizang

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like LSA, MKAR, ENH, CMAR, ZAL, MLR, HFS, NOA, GERES, WRA, ILAR.

IDC 27.21:24:29.8.0.4.30.1N.89.46E, mb4.0/9, mb1 4.2/11, mb1mx4.0/18, ML3.4/2, Error ellipse: s-maj=44.2km s-min=16.7km az=53.0
NEIC 27.21:24:31.3.0.4.33.93N.89.23E, h10km, mb4.3/1, Error ellipse: s-maj=22.1km s-min=6.2km az=62.0
ISC 27.21:24:28.1.7.4.34.1N.0.2.89.5E.0.3, h1km, 48km, n13, e084/13, mb4.1/8, Xizang

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like LSA, MKAR, CMAR, ZAL, BVAR, NB2, NOA, GERES, WRA, ASAR, ILAR.

NEIC 27.21:29:17.3.42.22N.7.40W, MN1.3(MDD), After MDD.
INMG 27.21:29:17.2.0.5.42.22N.7.39W, h1km, 15km, ML1.0, Error ellipse: s-maj=1.5km s-min=0.9km az=93.0
MDD 27.21:29:17.3.0.2.42.22N.7.40W, mlb1g1.3/4, Error ellipse: s-maj=2.8km s-min=1.8km az=101.0, PRXIMO
ISC 27.21:29:15.7.0.7.42.21N.0.03.7.45W.0.06.n9, e085/11, 2C-12, Spain

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like ERUA, EINC, EINC, ELOB, ELOB, ECAL, PBRG, PBRG, PVRL, PVRL, EPON, EPON, EMAZ, EMAZ, PVIS.

CASC 27.22:09:42.9.1.3.14.17N.91.46W, h58km, 8km, MD3.8, ML4.2
ISC 27.22:09:41.6.1.5.14.2N.0.2.91.53W.0.07, h68km, 13km, n13, e053/21, SC-3D, Guatemala

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include stations like JAT, JAT, JAT, IXG, IXG, GCG, GCG, CUSS, CUSS, RBDL, RTR, RTR, SBLS, SBLS, SNUJ, SNUJ, MRL, MRL, BOQS, BOQS, LFRS, LFRS, LCBS, SNVI, IDC.



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Table with columns for station call letters, station name, frequency, power, and signal quality. Includes stations like PTH Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, etc.

Table with columns for station call letters, station name, frequency, power, and signal quality. Includes stations like KMBO Kilima Mbogo, KMBO Kilima Mbogo, KMBO Kilima Mbogo, etc.

27d 23h

Table with columns for station call letters, station name, frequency, power, and signal quality. Includes stations like SSF Saint Saulge, SMF Signal de Mont, AVF Avil sur Loir, etc.

28d 1h

Table of station data for 28d 1h. Columns: MTP, TRQA, OTAV, ROSC, LVC, LVC, CPUP, CPUP, CPUP, CPUP, CPUP, CPUP, LPAZ, LPAZ, LPAZ, BDFB. Includes station names like Monte Pirata, Torunquist, Otavalo, El Rosal, Limon Verde, Villa Florida, etc.

Table with header: Code, Station Name, A° AZ°, Phase ID, Time, Res. Lists station codes and names like JEM, JAK, JAK, JAK, etc.

Table with header: Code, Station Name, A° AZ°, Phase ID, Time, Res. Lists station codes and names like JEM, JAK, JAK, JAK, etc.

NEIC 27 23:44:25.4, 0.6, 31.56S: 71.31W, h39km, MD3.7(GUC), After GUC.

GUC 27 23:44:25.4, 0.6, 31.56S: 71.31W, h39km, 1km, MD3.7, ML3.1, 3C-3D, Near coast of central Chile

Table with header: Code, Station Name, A° AZ°, Phase ID, Time, Res. Lists station codes and names like ILCH, ILCH, CMCH, CMCH, OVCH, OVCH, OVCH, etc.

ISC 27 23:51:53.2, 5.2, 34.3N: 0.1, 89.6E: 0.2, h26km, 4.3km, n8, e1563/8, mb3.2/2, Xizang

Table with header: Code, Station Name, A° AZ°, Phase ID, Time, Res. Lists station codes and names like LSA, MKAR, ENH, CMAR, BRVK, CHKZ, GERES, WRA, etc.

ISC 27 23:55:20.4, 38.86N: 25.60E, h6km, MD3.4 THE 27 23:55:22.7, 38.73N: 25.84E, h20km, ML3.0

Table with header: Code, Station Name, A° AZ°, Phase ID, Time, Res. Lists station codes and names like LOS, LOS, IZM, IZM, AOS, AOS, etc.

Table with header: Code, Station Name, A° AZ°, Phase ID, Time, Res. Lists station codes and names like AOS, AOS, PAIG, PAIG, BALB, etc.

2004 MAR

Table with header: Code, Station Name, A° AZ°, Phase ID, Time, Res. Lists station codes and names like MMB, MMB, KNT, KNT, KNT, etc.

Code Station Name A° AZ° Phase ID Time Res. Lists station codes and names like MSLP, MSLP, PLP, etc.

Buj 28 00:13:11.2, 0.6, 10.52N: 0.03, 125.04E: 0.04, h22km, 4km, n45, e1519/4, mb4.1/16, MS3.9/11.1C, Leyte

Table with header: Code, Station Name, A° AZ°, Phase ID, Time, Res. Lists station codes and names like MSLP, MSLP, PLP, etc.

NEIC 27 23:44:25.4, 0.6, 31.56S: 71.31W, h39km, MD3.7(GUC), After GUC.

GUC 27 23:44:25.4, 0.6, 31.56S: 71.31W, h39km, 1km, MD3.7, ML3.1, 3C-3D, Near coast of central Chile

Table with header: Code, Station Name, A° AZ°, Phase ID, Time, Res. Lists station codes and names like ENH, ENH, JHH, JHH, CMAR, CMAR, FITZ, etc.

ISC 27 23:51:53.2, 5.2, 34.3N: 0.1, 89.6E: 0.2, h26km, 4.3km, n8, e1563/8, mb3.2/2, Xizang

Table with header: Code, Station Name, A° AZ°, Phase ID, Time, Res. Lists station codes and names like LSA, MKAR, ENH, CMAR, BRVK, CHKZ, GERES, WRA, etc.

ISC 27 23:55:20.4, 38.86N: 25.60E, h6km, MD3.4 THE 27 23:55:22.7, 38.73N: 25.84E, h20km, ML3.0

Table with header: Code, Station Name, A° AZ°, Phase ID, Time, Res. Lists station codes and names like LOS, LOS, IZM, IZM, AOS, AOS, etc.

Table with header: Code, Station Name, A° AZ°, Phase ID, Time, Res. Lists station codes and names like AOS, AOS, PAIG, PAIG, BALB, etc.

Table with header: Code, Station Name, A° AZ°, Phase ID, Time, Res. Lists station codes and names like AOS, AOS, PAIG, PAIG, BALB, etc.

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Table with header: Code, Station Name, A° AZ°, Phase ID, Time, Res. Lists station codes and names like MORR, MORR, MORR, KTKI, KTKI, ARCES, etc.

Buj 28 01:01:46.6, 63.70N: 88.97E, h15km, mb4.3 NOARS Array B 11.66 155 Pn P

ISC 28 01:01:50.2, 5.0, 34.03N: 0.05, 89.14E: 0.09, h15km, n21, e1920/20, mb3.8/6, MS3.6/1, Xizang

Table with header: Code, Station Name, A° AZ°, Phase ID, Time, Res. Lists station codes and names like LSA, LSA, KKN, KKN, GKN, GKN, PKI, PKI, DMN, DMN, KOLN, KOLN, etc.

ISC 28 01:18:22.9, 6.0, 33.95N: 89.11E, h15km, 40km, Error ellipse: s-maj=27.4km, s-min=11.0km, az=66.0

Table with header: Code, Station Name, A° AZ°, Phase ID, Time, Res. Lists station codes and names like CMAR, CMAR, ULN, ULN, BVAR, BVAR, BRVK, BRVK, CHKZ, CHKZ, etc.

ISC 28 01:18:22.9, 6.0, 33.95N: 89.11E, h15km, 40km, Error ellipse: s-maj=27.4km, s-min=11.0km, az=66.0

Table with header: Code, Station Name, A° AZ°, Phase ID, Time, Res. Lists station codes and names like LSA, LSA, MKAR, MKAR, CMAR, CMAR, ULN, ULN, BVAR, BVAR, etc.

ISC 28 01:23:32.8, 10.2, 18.8S: 73.53W, h36km, MB5.0, MS4.4

NEIC 28 01:23:32.8, 10.2, 18.8S: 73.53W, mb5.0/13, MS4.4/10, Error ellipse: s-maj=6.0km, s-min=3.4km, az=48.0

Table with header: Code, Station Name, A° AZ°, Phase ID, Time, Res. Lists station codes and names like SYO, SYO, NEIC, NEIC, Buj, Buj, HRVD, HRVD, etc.

ISC 28 01:23:32.8, 10.2, 18.8S: 73.53W, h36km, MB5.0, MS4.4

Table with header: Code, Station Name, A° AZ°, Phase ID, Time, Res. Lists station codes and names like ARE, ARE, LPAZ, LPAZ, LPAZ, LPAZ, etc.

ISC 28 01:23:32.8, 10.2, 18.8S: 73.53W, h36km, MB5.0, MS4.4

ISC 28 01:23:32.8, 10.2, 18.8S: 73.53W, h36km, MB5.0, MS4.4

ISC 28 01:23:32.8, 10.2, 18.8S: 73.53W, h36km, MB5.0, MS4.4

ISC 28 01:23:32.8, 10.2, 18.8S: 73.53W, h36km, MB5.0, MS4.4

Table with header: Code, Station Name, A° AZ°, Phase ID, Time, Res. Lists station codes and names like ARE, ARE, LPAZ, LPAZ, LPAZ, LPAZ, etc.

ISC 28 01:23:32.8, 10.2, 18.8S: 73.53W, h36km, MB5.0, MS4.4

Table with header: Code, Station Name, A° AZ°, Phase ID, Time, Res. Lists station codes and names like ARE, ARE, LPAZ, LPAZ, LPAZ, LPAZ, etc.

ISC 28 01:23:32.8, 10.2, 18.8S: 73.53W, h36km, MB5.0, MS4.4

Table with header: Code, Station Name, A° AZ°, Phase ID, Time, Res. Lists station codes and names like ARE, ARE, LPAZ, LPAZ, LPAZ, LPAZ, etc.

ISC 28 01:23:32.8, 10.2, 18.8S: 73.53W, h36km, MB5.0, MS4.4

Table with header: Code, Station Name, A° AZ°, Phase ID, Time, Res. Lists station codes and names like ARE, ARE, LPAZ, LPAZ, LPAZ, LPAZ, etc.

ISC 28 01:23:32.8, 10.2, 18.8S: 73.53W, h36km, MB5.0, MS4.4

Table with header: Code, Station Name, A° AZ°, Phase ID, Time, Res. Lists station codes and names like ARE, ARE, LPAZ, LPAZ, LPAZ, LPAZ, etc.

ISC 28 01:23:32.8, 10.2, 18.8S: 73.53W, h36km, MB5.0, MS4.4

Table with columns for abbreviations (e.g., TRTC, JCR, JTS), names (e.g., Tortuguero, Jicaral, JuntasAbangare), dates (22.90, 22.92, 23.22), and various performance metrics (e.g., 334 eP, P, 01 28 36.8 +3.6).

Table with columns for abbreviations (e.g., NEN, NSU, MSU, MVU), names (e.g., Nelson, Marysval, Marysval, Marysval), dates (59.90, 60.30, 60.31), and various performance metrics (e.g., 322 eP, P, 01 33 36.0 -0.2).

Table with columns for abbreviations (e.g., EHOR, EINC, ERUA, GSPA), names (e.g., Hornachuelos, Incio, La Rua, South Pole Qui), dates (79.57, 79.95, 79.98), and various performance metrics (e.g., 48 P, P, 01 35 37.0 +0.4).

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Fire Island College, Grafenberg Arr, Kasperke Hory, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes NEIC 28 01:26:28.9, 1.5, 28.88N-139.84E, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes WEL 28 01:37:41.0, 1.1, 61.55N-173.88E, etc.

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

IDC 28 01:47:07.8, 1.2, 24.25N-122.73E, mb3.5/4, mb1 3.7/4, mb1mx3.5/16, MS2.8/1, Ms1 2.8/1, ms1mx2.2/25, Error ellipse: s-maj=61.1km s-min=25.6km az=71.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes YOJ Yonaguni jima, YOF Iriomote-Funau, YIR Iriomote, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes JMU Nakatsue, MKAR Makanchi Array, WRAB Tennant Creek, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes ASAR Alice Springs, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes IDC 28 01:58:48.0, 4.2, 21.51S-169.72E, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes KAKA Kakadu, FITZ Fitzroy Crossi, WRAB Tennant Creek, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes MAN 28 02:05:23.5, 10.45N-124.97E, etc.

IDC 28 02:16:55.0, 2.0, 23.51S-179.67E, mb3.7/5, mb1 4.1/5, mb1mx3.9/11, Error ellipse: s-maj=149.0km s-min=25.7km az=158.0, South of Fiji Islands

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

NEIC 28 02:17:32.9, 2.1, 59.61S-25.81W, h42km, 20km, mb3.8/7, Error ellipse: s-maj=25.3km s-min=12.2km az=215.0

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes TRQA Torquait, PLCA Paso Flores, VPUD Villa Florida, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes VVND Vanda, VVND Vanda, VVND Vanda, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes YKA Yellowknife Arr, YKA Yellowknife Arr, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes IDC 28 02:24:54.0, 1.0, 2.17S-14.52W, mb4.2/10, mb1 4.3/10, mb1mx4.1/17, MS4.0/14, Ms1 4.0/14, ms1mx3.9/21, Error ellipse: s-maj=38.7km s-min=17.6km az=143.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes LIC Lamto, LIC Lamto, LIC Lamto, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes DBIC Dimbokro, ESDC Seneca Array, LSZ Lusaka, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes CPUP Vila Florida, CPUP Vila Florida, CPUP Vila Florida, etc.





Table with columns: QRN, Name, Time, P, S, E, S, and numerical values. Includes entries like AYUS, SANT, ITRU, etc.

Table with columns: KRUC, Name, Time, P, S, E, S, and numerical values. Includes entries like Moravsky, MTGT, CSSN, etc.

Table with columns: BSD, Name, Time, P, S, E, S, and numerical values. Includes entries like bornh-Z,10m,15.0s, BSD, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like HAU, TKM2, GDM, CABF, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like TRO, SGMF, HAE, ASOR, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like HYB, SPB4, KBS, etc.

Table of seismic data for stations 28d 4h, including columns for station name, time, magnitude, and other parameters.

Table of seismic data for stations HRY through NWA0, including columns for station name, time, magnitude, and other parameters.

Table of seismic data for stations NWA0 through DAVOX, including columns for station name, time, magnitude, and other parameters.

Table with columns for station name, frequency, and other parameters. Includes stations like BRMO Bormio, PLONS Plons, HDH Heidenheim, etc.

Table with columns for code, station name, frequency, and other parameters. Includes stations like AVFT Avril sur Loir, OKC Ostrava-Krasne, BGF Bois d'Agland, etc.

Table with columns for station name, frequency, and other parameters. Includes stations like EADA comp=E,2.1nm,0.2s,SNR=7.9, EINC Incio, EINC comp=E,1.4nm,0.2s,SNR=7.9, etc.



Table with columns: WRAB, WRA, WRA, WRA, ASAR, STKA, MKAR, BVAR. Includes station names, codes, times, and phases. Example: WRAB Tannant Creek 13.72 153 ePn P 05 17 04.7 -0.8

ISK 28 06:05:17.4, 39.90N-40.79E, h5km, MD3.6
ISC 28 06:05:18.7, 0.8, 39.94N-0.06, 40.86E, 0.07, h5km, n11,
-1507/15, Turkey

Table with columns: ERZM, ERZM, BINT, BINT, GUMT, AGRT, BTMT, KARS, ELZG, BEST, DIY, VANB, VANB. Includes station names, codes, times, and phases. Example: ERZM Erzurum 0.39 94 iP Op 05 25 25.3 -1.3

BUI 28 05:26:01.4, 33.81N, 88.65E, h15km, mB4.5, mB4.5, Ms4.0
LDG 28 05:26:05.0, 0.1, 33.91N, 89.08E, h10km, mB4.6/19, Error
ellipse: s-maj=6.2km s-min=2.6km az=111.0
ISC 28 05:26:05.0, 0.7, 33.90N, 89.18E, mB4.0/11, mB1.1/13,
mB1mx4.1/17, ML3.0/1, MS3.7/5, Ms1.3.7/5, ms1mx3.4/23,
Error ellipse: s-maj=41.5km s-min=15.0km az=52.0
NEIC 28 05:26:07.0, 0.2, 33.95N, 89.14E, h10km, mB4.6/19, Error
ellipse: s-maj=7.3km s-min=3.7km az=47.0
ISC 28 05:26:07.5, 0.4, 33.91N, 89.18E, 0.08, h25km, 18km,
n6.0, c0.75/56, mB4.3/28, MS3.7/4, Xizang

Table with columns: LSA, GUN, KKN, GKN, PKI, KOLN, SHL, IKAR, MKAR, ENH, CMAR, CMAR, KURK, ULN, BVAR, BVAR, BRVK, CHKZ, JOW, ASAJ, TIXI, FINES, HFS, NB2, NOA, NOA, GERES, GRA1, DAVOX, CDF, HINF, LPG, LPL, SBF, MBDF, FRF, LORR, SMF, AVF, LASF, TCF, LDF, CAF, RLN, FLJ, GRR, MTL, MFF, SGMF, ROSF, QUIF, ETSF, WRA, WRAB, ILAR, YKA, STKA, CPUP. Includes station names, codes, times, and phases. Example: LSA Lhasa 4.58 158 eP Op 05 27 22.0 +4.9

Table with columns: CPUP, IDC, NEIC, ISC. Includes station names, codes, times, and phases. Example: CPUP Villa Florida 150.15 276 ePKPbc PKPdf 05 45 58.0 +2.1

Table with columns: GUMO, GUMO, GUMO, WRAB, WRA, ASAR, MKAR, MKAR, ILAR, BVAR, VNA2, VNA3. Includes station names, codes, times, and phases. Example: GUMO Guam 0.54 216 eP Op 05 29 26.2 +1.1

NEIC 28 05:37:47.3, 19.69N-65.65W, h35km, MD3.5(RSPR),
After RSPR,
RSPR 28 05:37:47.3, 19.70N-65.65W, h35km, 31km, M3.5, 9C-2D,
Puerto Rico region

Table with columns: CBYP, CSB, CSB, HUMP, HULM, MTP, SJG, SJG, SJG, SJG, AOPR, AOPR, OBIP, OBIP, MGP, MGP. Includes station names, codes, times, and phases. Example: CBYP Canovanas 1.43 188i eP Op 05 38 08.8 -2.3

IDC 28 05:49:29.0, 2.7, 10.93S, 118.45E, mB4.5/1, mB1.3.7/4,
s-min=23.7km az=60.0
DJA 28 05:49:29.0, 0.9, 10.49S, 117.12E, h127km, 30km, MD4.5/2,
ML4.9/4, Error ellipse: s-maj=50.8km s-min=22.8km
az=15.0
ISC 28 05:49:28.5, 0.8, 11.0S, 0.2, 118.8E, 0.1, h33km, n10,
c1573/14, mB4.5/1, 4C-4D, South of Sumbawa

Table with columns: KEDI, KEDI, RATI, RATI, INGI, INGI, Keli, KELI, FITZ, FITZ, FITZ, WRA, WRA, ASAR, ASAR, ALBR, ALBR, MKAR, MKAR, JMA, IDC, NEIC, SKHL, ISC. Includes station names, codes, times, and phases. Example: KEDI Kedondong 3.59 313j ePn Op 05 50 24.8 +1.5

Table with columns: ERZM, ERZM, EZC, GUMT, BINT, AGRT, KARS, BTMT, ELZG, ELZG, BEST, BEST, DIV, TVAN, SVST, SVST, GZT, GZT. Includes station names, codes, times, and phases. Example: ERZM Erzurum 0.42 123 iP Op 05 01 14.3 -0.8

IDC 28 06:01:38.7, 14.0, 18.23S, 178.87W, h608km, 176km,
mB3.1/7, mB1.3.4/7, mB1mx3.2/13, Error ellipse:
s-maj=58.2km s-min=36.5km az=57.0
ISC 28 06:01:36.6, 1.0, 18.3S, 0.3, 178.8W, 0.2, h600km, n8,
c1518/7, mB3.6/7, Fiji Islands region

Table with columns: STKA, STKA, ASAR, ASAR, FITZ, FITZ, VNA2, VNA2, TXAR, TXAR, NOA. Includes station names, codes, times, and phases. Example: STKA Stephens Creek 38.08 242 Op ISC 06 08 08.7 +1.8

CASC 28 06:13:54.5, 1.4, 13.30N, 89.84W, h46km, 15km, MD3.8,
ML4.1, 4C-15D, El Salvador

Table with columns: SBLS, SBLS, SNJE, CUSS, RTR, BOQS, BOQS, NET, NET, RBDL, RBDL, LFRS, LFRS, LFRS, LFRS, LBU, LBU, LBRS, LBRS, LBRS, LBRS, MTOZ, MTOZ, MTOZ, FUG, FUG, VSM, VSM, BLM, BLM, CALH, CALH, CNCH, CNCH, JAT, JAT, JAT, JAT, PYN, PYN, TEL3, TEL3, MIRR, MIRR, MOMJ, MOMJ, COPN, COPN, MGAN, MGAN, TICN, TICN. Includes station names, codes, times, and phases. Example: SBLS San Blas 0.55 22j iP Op 06 14 06.7 +0.6

ISK 28 06:53:42.9, 39.92N-40.77E, h6km, MD3.6
ISC 28 06:53:44.0, 0.9, 39.98N-0.07, 40.86E, 0.06, h6km, n16,
-1843/21, TC, Turkey

Table with columns: ERZM, ERZM, ERZM, BINT, BINT, GUMT, AGRT, BTMT, ELZG, ELZG, BEST, BEST, DIV, TVAN, VANT, VANT, SVST, SVST, GZT. Includes station names, codes, times, and phases. Example: ERZM Erzurum 0.39 86i jP Op 06 53 50.9 +1.6

ISK 28 07:03:54.4, 39.88N-40.72E, h13km, MD3.6
ISC 28 07:03:54.7, 0.6, 39.90N-0.05, 40.80E, 0.05, h13km, n12,
c1910/17, 2C, Turkey

Table with columns: ERZM, ERZM, ERZM, ERZM, EZC, BINT, BINT, GUMT, AGRT, BTMT, KARS, ELZG, ELZG, BEST, BEST. Includes station names, codes, times, and phases. Example: ERZM Erzurum 0.43 89i jP Op 07 04 12.2 +1.2

Table with columns: Div, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for Diyarbakir, Malatya, Gaziantep.

ISK 28 07:14:05.3, 39.89N, 40.83E, h6km, MD3.6
ISC 28 07:14:06.1, 0.7, 40.00N, 0.07, 40.89E, 0.05, h6km, n15,

Main table for 28d 7h section, listing station names, coordinates, and seismic data for various stations like ERZM, EZC, BINT, etc.

NEIC 28 07:20:02.8, 36.18N, 118.16W, h8km, ML3.8(PAS), After PAS.

NEIC Felt at Exeter, Inyokern, Lake Isabella, Little Lake, Porterville, Ridgecrest, Springville, Three Rivers and Weldon.

IDC 28 07:20:03.9, 1.6, 36.31N, 117.76W, mb2.8/1, mb1.3/4.5, mb1mx3.3/19, ML3.4/4, MS3.3/1, Ms1.3/3.1, ms1mx2.7/8,

Error ellipse: s-maj=24.0km s-min=9.7km az=56.0, h6km, n7km, n35, r1515/37, mb2.5/1, MS3.2/1, Central California

Main table for 28d 7h section, listing station names, coordinates, and seismic data for various stations like DARWIN, ISABELLA, TUNGSTEN, etc.

MAN 28 07:20:56.8, 11.24N, 124.31E, h1km, mb4.5, ML3.4, MS3.3, 4C, Leyte

Table for MAN 28 07:20:56.8, listing station names and seismic data for stations like PALO, LAPU-LAPU, ROXAS, etc.

NEIC 28 07:21:58.6, 19.71N, 65.68W, h25km, MD3.5(RSPR), After RSPR.

RSPR 28 07:21:58.6, 19.71N, 65.67W, h25km, 31km, M3.5, 12C-1D, Puerto Rico region

Main table for 28d 7h section, listing station names, coordinates, and seismic data for various stations like CANOVANAS, COLONIA SABANA, etc.

CASC 28 07:31:56.4, 2.1, 13.50N, 90.75W, h19km, 8km, MD4.4, ML4.7, mb4.1 (NEIC)

NEIC 28 07:31:58.3, 0.7, 13.57N, 90.66W, h6km, 6km, mb4.1/1.6, MD4.3(SNET), Error ellipse: s-maj=8.9km s-min=5.7km az=59.0

NEIC Felt [I] at Ahuachapan, El Salvador. IDC 28 07:31:59.2, 9.2, 13.80N, 90.44W, h74km, 26km, mb3.8/10, mb1.4/1.3, mb1mx3.9/20, MS3.6/Ms1.3/7.8, ms1mx3.5/23, Error ellipse: s-maj=30.7km s-min=16.0km az=4.7

ISC 28 07:31:51.7, 0.3, 13.41N, 0.03, 90.98W, 0.02, h19km, n109, r139/121, mb4.1/23, MS3.8/5, 12C-18D, Near coast of Guatemala

Main table for 2004 MAR section, listing station names, coordinates, and seismic data for various stations like IXPACO, FUGUECO, GUATEMALA CITY, etc.

Main table for 2004 MAR section, listing station names, coordinates, and seismic data for various stations like DLBC, DEASE LAKE, TRAQ, etc.

IDC 28 07:43:03.7, 0.8, 36.22S, 99.86W, mb4.4/11, mb1.4/6.11, mb1mx4.5/15, MS4.2/12, Ms1.4/2.12, ms1mx4.1/16, Error ellipse: s-maj=24.8km s-min=23.2km az=14.0

NEIC 28 07:43:05.0, 2.0, 4.36, 205.9, 89.86W, h10km, mb4.5/8, Error ellipse: s-maj=12.4km s-min=10.9km az=78.0

ISC 28 07:43:03.4, 0.5, 36.24S, 0.07, 99.9W, 0.1, h10km, n36, r1507/27, mb4.3/19, MS4.2/12, 2C-1D, Southeast of Easter Island

Table for ISC 28 07:43:03.4, listing station names and seismic data for stations like PLCA, FCH, USHA, etc.







NEIC 28 09:15:48.4, 32.42S:71.34W, h49km, MD3.6(GUC), After GUC.
GUC 28 09:15:48.4, 32.42S:71.34W, h48km, MD3.6, ML3.4, 8C-5D, Near coast of central Chile

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Lists stations like Papudo, Petorca, ROCH, JACH, etc.

NEIC 28 09:39:19.2, 40.22S:173.57E, h186km, After WEL.
WEL 28 09:39:19.2, 40.18S:173.58E, h179km, ML3.9/5, 2D, Error ellipse: s-maj=2.8km s-min=1.5km az=90.0, Cook Strait

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Lists stations like NNZ, NZZ, TCW, WAZ, etc.

MOZ Waitaha Valley 3.59 215 PN S 09 40 52.5 -7.2
WVZ Waitaha Valley 3.59 215 SN P 09 40 12.8 -3.3
WVZ Waitaha Valley 3.59 215 S P 09 40 54.5 -5.3
WVZ Waitaha Valley 3.59 215 P S 09 40 12.9 -3.2

NEIC 28 09:43:57.4, 36.60S:177.71E, h219km, After WEL.
WEL 28 09:43:57.6, 36.57S:177.65E, h213km, ML4.1/1, Error ellipse: s-maj=4.6km s-min=4.2km az=0.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Lists stations like PUK, Urewera, NZZ, etc.

ISK 28 10:02:38.7, 39.89N:40.66E, h5km, MD3.8
ISC 28 10:02:39.1, 39.89N:40.66E, h5km, n13, r1929/17, Turkey

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Lists stations like ERZ, BINT, GUMT, etc.

IDC 28 10:02:58.0, 1.1, 34, 10N:89.41E, mb3.7/7, mb1 4.0/8, mb1mx3.9/14, ML4.3/1, Error ellipse: s-maj=51.7km s-min=19.1km az=54.0
NEIC 28 10:02:59.6, 4.0, 34, 14N:89.25E, h8km, mb4.4/2, Error ellipse: s-maj=28.4km s-min=7.7km az=62.0
ISC 28 10:02:57.0, 6.3, 14, 12N:0.05:89.3E:0.1, h8km, n20, r1905/18, mb3.7/8, 1C-1D, Xizang

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Lists stations like LSA, KUN, GKN, etc.

JMA 28 10:06:36.8, 0.2, 24, 74N:122.24E, h32km, M3.1
TAP 28 10:06:39.0, 0.2, 27, 70N:122.21E, h5km, ML3.5
ISC 28 10:06:37.8, 2.4, 74N:0.5:122.3E:0.2, h29km, 11km, n6, r054/10, Taiwan region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Lists stations like YOJ, IRI, HTJ, etc.

18/32, mb4.6/7, MS4.3/9, 15C-5D, Southwest of Africa

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Lists stations like VNA1, VNA2, VNA3, etc.

ISC 28 10:36:35.8, 39.90N:40.70E, h5km, MD3.7
ISC 28 10:36:36.0, 39.94N:40.74E, h5km, n12, r096/16, Turkey

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Lists stations like ERZ, BINT, GUMT, etc.

IDC 28 10:51:20.8, 4.4, 19, 57S:178.69W, mb3.9/4, mb1 4.1/5, mb1mx3.8/13, ML4.2/1, MS3.3/1, Ms1 3.3/1, ms1mx2.9/22, Error ellipse: s-maj=88.2km s-min=46.3km az=73.0
ISC 28 10:51:19.3, 3.8, 19, 65S:178.7W:0.5, n5, r096/5, mb3.8/4, Fiji Islands region

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

BUL 28 10:57:08.8, 37.54N:94.97E, h16km, ML3.5, Qinghai

IDC 28 11:13:26.7, 0.8, 10, 63N:140.37E, mb4.3/10, mb1 4.5/10, mb1mx4.3/17, MS3.4/6, Ms1 3.4/6, ms1mx3.2/29, Error ellipse: s-maj=30.1km s-min=19.6km az=103.0
NEIC 28 11:13:33.4, 0.4, 10, 54N:140.26E, h5km, mb4.3/7, Error ellipse: s-maj=16.5km s-min=9.6km az=96.0
ISC 28 11:13:29.0, 0.5, 10, 54N:140.26E:0.1, h33km, n25, r1500/22, mb4.3/16, MS3.3/6, Western Caroline Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Lists stations like PMJ, HJG, JNU, etc.

28d 12h

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include KURK Kurchatov, CHKZ Chkalovo, BRVK Borovoye, MKV McKinley, COLA Colledge, ILAR Eielson Array, etc.

IDC 28 11:24:48.8.2.1, 6.32S-129.43E, mb3.0/1, mb1 3.8/4, mb1mx3.6/12, ML3.4/3, Error ellipse: s-maj=91.1km

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 28 11:31:58.7.1.7, 4.3S-124.25E, mb3.5/1, mb1 3.7/4, mb1mx3.6/12, ML3.1/3, Error ellipse: s-maj=119.0km

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, etc.

DJA 28 11:50:02.4.1.0.8, 16S-117.54E, h311km, 15km, MD4.5/4, ML5.2/4, Error ellipse: s-maj=84.5km s-min=30.6km

NEIC 28 11:50:03.4.0.8, 7.58S-117.51E, h299km, 10km, mb3.7/3, Error ellipse: s-maj=26.2km s-min=7.6km az=46.0

IDC 28 11:50:06.0.2.4, 7.20S-118.04E, h316km, 26km, mb3.3/5, mb1 3.5/6, mb1mx3.4/13, Error ellipse: s-maj=105.0km s-min=10.0km az=51.0

ISC 28 11:50:03.2.0.9, 7.75S-117.33E, 0.2, h311km, 11km, n21, r=10.5/29, mb3.8/5, 7C, Bali Sea

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include KEDI Kedomdong, RATI Rata, INGI Ingas, etc.

BJI 28 11:50:50.9, 33.92N-89.39E, h15km, mb4.1, Ms3.8

IDC 28 11:50:58.3.1.3, 34.08N-90.38E, mb3.7/3, mb1 3.9/5, mb1mx3.7/15, ML2.9/1, MS3.3/2, Ms1 3.4/2, ms1mx3.9/0.25, Error ellipse: s-maj=59.8km s-min=30.1km az=53.0

NEIC 28 11:50:59.2.5.8, 34.08N-89.39E, h7km, 40km, Error ellipse: s-maj=23.6km s-min=10.2km az=68.0

ISC 28 11:50:58.0.6.7, 34.15N-89.28E, 0.1, h8km, 49km, n14, r=1503/14, mb3.6/3, MS3.2/1, Xizang

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include LSA Lhasa, GUN Gumba, KKN Kakan, etc.

2004 MAR

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include BVAR comp=2.78nm, 19.8s, MS3.2, bazu=1.6, SLR, slope=39, CHKZ Chkalovo, GERES GERS Array B, etc.

IDC 28 11:52:37.2.2.9, 15.05S-174.51W, h135km, 25km, mb4.2/17, mb1 4.3/18, mb1mx4.3/19, MS4.3/1, Ms1 4.3/1, ms1mx3.3/19, Error ellipse: s-maj=15.8km s-min=9.8km az=130.0

NEIC 28 11:52:38.5.2.2, 15.04S-174.55W, h146km, 19km, mb4.5/16, Error ellipse: s-maj=12.1km s-min=6.8km az=154.0

ISC 28 11:52:35.2.6.1, 14.89S-107.174.71W, 0.06, h103km, 23km, n114, r=0.090/48, mb4.4/30, 7C-7D, Samoa

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include RAR Rarotonga, NOUC Port Laguerre, URZ Urewera, etc.

IDC 28 11:52:35.2.6.1, 14.89S-107.174.71W, 0.06, h103km, 23km, n114, r=0.090/48, mb4.4/30, 7C-7D, Samoa

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include STKA Stephens Creek, WBA Warramunga Arr, WRAB Tennant Creek, etc.

IDC 28 11:52:35.2.6.1, 14.89S-107.174.71W, 0.06, h103km, 23km, n114, r=0.090/48, mb4.4/30, 7C-7D, Samoa

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include ASIA Alice Springs, AKAR Alice Springs, ASAR Kakadu, etc.

IDC 28 11:52:35.2.6.1, 14.89S-107.174.71W, 0.06, h103km, 23km, n114, r=0.090/48, mb4.4/30, 7C-7D, Samoa

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include VYB Yreka Blue Hour, GSPA South Pole Qui, TPH Tonopah, etc.

IDC 28 11:52:35.2.6.1, 14.89S-107.174.71W, 0.06, h103km, 23km, n114, r=0.090/48, mb4.4/30, 7C-7D, Samoa

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include VYB Yreka Blue Hour, GSPA South Pole Qui, TPH Tonopah, etc.

IDC 28 11:52:35.2.6.1, 14.89S-107.174.71W, 0.06, h103km, 23km, n114, r=0.090/48, mb4.4/30, 7C-7D, Samoa

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include VYB Yreka Blue Hour, GSPA South Pole Qui, TPH Tonopah, etc.

IDC 28 11:52:35.2.6.1, 14.89S-107.174.71W, 0.06, h103km, 23km, n114, r=0.090/48, mb4.4/30, 7C-7D, Samoa

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include VYB Yreka Blue Hour, GSPA South Pole Qui, TPH Tonopah, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include VYB Yreka Blue Hour, GSPA South Pole Qui, TPH Tonopah, etc.

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Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include FUR Furstenfeldbrunn, MEZF Maizieres J'vi, CDF Champ du Feu, etc.

IDC 28 11:52:35.2.6.1, 14.89S-107.174.71W, 0.06, h103km, 23km, n114, r=0.090/48, mb4.4/30, 7C-7D, Samoa

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include BFO Black Forest, ARSA Arzberg, HAU Hausdumpe, etc.

IDC 28 11:52:35.2.6.1, 14.89S-107.174.71W, 0.06, h103km, 23km, n114, r=0.090/48, mb4.4/30, 7C-7D, Samoa

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include TCF Toulu Ste Croi, LPL La Plagne, LPGA La Plagne, etc.

IDC 28 11:52:35.2.6.1, 14.89S-107.174.71W, 0.06, h103km, 23km, n114, r=0.090/48, mb4.4/30, 7C-7D, Samoa

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include WVF Saint-Julien, BMBF Montbard, SMRF Simiane la Rot, etc.

IDC 28 11:52:35.2.6.1, 14.89S-107.174.71W, 0.06, h103km, 23km, n114, r=0.090/48, mb4.4/30, 7C-7D, Samoa

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include TK01 Tokai 1, TK02 Tokai 2, TK03 Tokai 3, etc.

IDC 28 11:52:35.2.6.1, 14.89S-107.174.71W, 0.06, h103km, 23km, n114, r=0.090/48, mb4.4/30, 7C-7D, Samoa

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include JHJ Hachijo jima 2, JHJ2 Mitsune, JIE Ise, etc.

IDC 28 11:52:35.2.6.1, 14.89S-107.174.71W, 0.06, h103km, 23km, n114, r=0.090/48, mb4.4/30, 7C-7D, Samoa

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include MAJO Matushiro, MAT Matushiro, MAT Matushiro, etc.

IDC 28 11:52:35.2.6.1, 14.89S-107.174.71W, 0.06, h103km, 23km, n114, r=0.090/48, mb4.4/30, 7C-7D, Samoa

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include MKAR Makanchi Array, KURK Kurchatov, CHKZ Chkalovo, etc.

IDC 28 11:52:35.2.6.1, 14.89S-107.174.71W, 0.06, h103km, 23km, n114, r=0.090/48, mb4.4/30, 7C-7D, Samoa

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include ERMZ Erzurum, ERMZ Erzin, EZZ Erzin, etc.

KRSC 28 12:21:20.0L1.6,53.76N-168.54E,h58km;25km,ML4.3
IDC 28 12:21:25.10,0.9,54.37N-169.39W,m3/6,8,m1/3 3/8,
mb1mx3.7/18,Error ellipse: s-maj=22.6km s-min=16.5km
az=9.0

NEIC 28 12:21:50.0L1.3,55.28N-168.72E,h218km;13km,Error
ellipse: s-maj=18.8km s-min=15.6km az=104.0

ISC 28 12:21:22.3L0.7,57.77N-168.14E,0.05,h48km;11km,
n43,r129/72,m3,5S,Komandorski Islands region

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

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

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

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

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

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

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

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

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

ASAR Alice Springs 84.55 124 P P
0.4nm,0.5s,mb3.4,baz=309,slow=6.0,SNR=5.0

IDC 28 13:07:26.6L18.0,19.41S-177.51W,h548km;186km,
mb3.2/6,mb1 3/4/6,m1mx3.1/14,Error ellipse:
s-maj=13.0km s-min=9.71km az=86.0

ISC 28 13:07:29.3L6.0,13.4S-0.8-178.1W;1.0,0.1,h550km;n7,
m8/9/6,mb3.8/6,Fiji Islands region

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

IDC 28 13:21:37.5L0.6,14.99N-122.33E,mb4.3/13,mb1 4.5/13,
mb1mx4.4/18,MS3,8/7,MS1 3.8/7,ms1mx3.6/20,Error
ellipse: s-maj=34.9km s-min=14.6km az=63.0

NEIC 28 13:21:43.4L0.4,15.04N-122.40E,h50km;mb4.4/7,Error
ellipse: s-maj=14.1km s-min=8.6km az=60.0

NEIC 28 13:21:43.4L0.4,15.04N-122.40E,h50km;mb4.4/7,Error
ellipse: s-maj=14.1km s-min=8.6km az=60.0

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

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

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

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

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

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

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

YKA Yellowknife Ar 90.82 3 P P
comp=2.0,5nm,0.9s,mb3.8,baz=311,slow=5.0,SNR=7.0
TXAR Lajitas Array 117.33 45 PKP PKPdf
comp=2.0,1nm,0.4s,SNR=3.6

IDC 28 13:07:17.1L0.9,39.79N-54.11E,mb4.4/18,mb1 4.6/21,
mb1mx4.5/24,ML4.4/3,MS3.8/9,MS1 3.9/9,ms1mx3.6/25,
Error ellipse: s-maj=23.9km s-min=14.1km az=6.0

BUJ 28 13:07:20.9,39.97N-54.15E,h27km;mb4.8,Ms4.4,
Ms2.1

ZUR\_RM 28 13:07:22.9,39.80N-54.10E,h72km,Mw4.6/9,Moment
Tensor Solution. s9 Moment tensor: Scale 1016Nm;
Mn:0.65; Mn-1:0.7; Mn:0.16; Mn:0.16; Mn:0.09; Mn:0.10;

NEIC 28 13:07:22.0L2.0,4.39N-80.54W,h35km;mb4.5/41,Error
ellipse: s-maj=10.7km s-min=5.0km az=173.0

ISC 28 13:07:22.0L2.0,4.39N-80.54W,h35km;mb4.5/41,Error
ellipse: s-maj=10.7km s-min=5.0km az=173.0

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

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

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

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

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

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

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

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

IDC 28 12:23:44.6L1.7,35.33N-69.45E,mb3.8/3,mb1 4.0/5,
mb1mx3.6/15,ML3.7/2,MS4.2/1,Ms1 4.2/1,ms1mx2.8/27,
Error ellipse: s-maj=56.6km s-min=27.1km az=69.0

NEIC 28 12:24:02.5L12.0,36.11N-69.51E,h116km;12km,mpv3.8,
Error ellipse: s-maj=118.1km s-min=67.3km az=70.0

ISC 28 12:23:52.5L2.6,35.5N-0.1-69.7E,0.2,h73km;23km,n26,
r081/27,mb3.6/3,2C-2D,Hindu Kush region

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

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

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

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

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

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

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

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

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

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

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



Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and various station codes (e.g., NKY, AKMC, KYTH, VLI, VAM, etc.). The table lists numerous radio stations and their operational parameters.

28d 15h

Table with columns for station name, frequency, power, and other technical details. Includes stations like MOX, ECH, CDF, CLL, etc.

2004 MAR

Table with columns for station name, frequency, power, and other technical details. Includes stations like PUL, HFS, KONO, FINES, etc.

614

Table with columns for station name, frequency, power, and other technical details. Includes stations like INK, MA2, YKVA, YKA, etc.



Table with columns: STKA, Code, Station Name, A, AZ, Op, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ENIWO, UGLEGORSK, KAYABE, OHATA, TYMNOVSKOE, etc.

Table with columns: Code, Station Name, A, AZ, Op, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like VNA3 Neumayer-Watz, VNA2 Neumayer Olymp, KONGSBERG, HAGFORS, etc.

Table with columns: STKA, Code, Station Name, A, AZ, Op, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like STKA 1.6nm,0.5s,mb3.8,baz=65,slow=7.6,SNR=3.6, STKA 2.1nm,0.6s,baz=115,slow=2.5,SNR=3.1, etc.



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like KMBO Kilima Mbogo, LBTB Lobotse, CMAR Chiang Mai Arr, MAW Mawson, FITZ Fitzroy Crossi, ASAR Alice Springs, WRA Warramunga Arr, WRAB Tennant Creek, MKAR Makanchi Array, MKAR Makanchi Arr, MKAR Kurchatov, STKA Stephens Creek, STKA Stephens Creek, BVAR Borovoye Array, VDA Vanda, VNTA Charters Tower, FINES FINESS Array B, ARCES ARCES Array B.

NEIC 28 18:37:00.3±2.1, 17.91Sx178.06W, h643km, 27km, mb3.6/4, Error ellipse: s-maj=20.9km s-min=11.0km az=164.0, IDC 28 18:37:01.6±2.4, 17.18Sx178.41W, h640km, 20km, mb3.2/10, mb1.4/11, mb1mx3.3/14, Error ellipse: s-maj=40.0km s-min=10.6km az=154.0

ISC 28 18:36:59.6±2.2, 18.05±0.2, 178.1W±0.1, h654km, 30km, n23, c0972/1, mb3.5/15, mb4.7/19 Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like RAR Rarotonga, CTA Charters Tower, STKA Stephens Creek, WRAB Tennant Creek, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, SBA Scott Base, VDA Vanda, NVAR Minna Array, NVAR Minna Array, MAW Mawson, HLID Halley, TXAR Lajitas Array, TXAR Lajitas Array, ILAR Eielson Array, MCMT Mckenzie Canyon, BW06 Boulder Array, PDAR Pineadale Array, YKA Yellowknife Arr, MKAR Makanchi Array, ARCES ARCES Array B, CLL Collum, GERES GERES Array B.

DHMR 28 19:17:12.8±1.9, 12.95N, 43.94E, h12km, 14km, MD3.4, ML3.5, 2C-1D, Western Arabian Peninsula

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like UDYUN AI Udayn, ADEN Aden, ADEN Aden, LBOS LBOS, BDHA Al Bayda', HAJJ Hajjah, HAJJ Hajjah.

TAP 28 19:20:21.8, 22.92N, 121.28E, h26km, ML3.4, JMA 28 19:20:21.9±0.3, 22.73N±1.21, 121.47E, h57km, M3.1, ISC 28 19:20:21.6±2.0, 22.88N±0.2, 121.5E±0.2, h26km, n7, c0529/14, Taiwan region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like YOJ Yonaguni jima, HATJ Hateruma jima, IRIF Iriomote-Funau, JKRS Kuro-shima, JIJ Ishigaki jima, JIJ Tarama, JOGS Gusukube.

CASC 28 19:26:55.7±1.4, 13.49N, 89.80W, h61km, 6km, MD3.9, ML4.0, 8C-10D, El Salvador

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

Table with columns: RTR, EI Retiro, CUS Cusmapa, BOQS Boqueron, Serv Nac Est T, RBDL Robledo, LFU La Fuente, LFRS El Faro, LBRS Las Brisas, LCBS La Ceiba, IXG Ixpaco, IXG Ixpaco, IXG Ixpaco, SAN San Vicente, MTOZ Montecristo 2, BLMO Bellamira, CNCH Cahahu, CAHU Cacacatuque, MRL Marmol, MRL Marmol, CNCH Conchagua, PYN Poneloya, TEL3 Telica 3, TEL3 Telica, LEON Leon, LEON Leon, COPN Copaltepe, MGAN Managua, TICN Tiquantepe.

BUI 28 19:36:41.9, 1.62N, 127.17E, h89km, mb4.3, NEIC 28 19:36:44.2±2.9, 1.63N, 126.84E, h77km, 29km, mb4.3/10, Error ellipse: s-maj=15.5km s-min=5.9km az=65.0, IDC 28 19:36:46.4±2.5, 1.53N, 126.76E, h98km, 22km, mb4.3/12, mb1.4/3/13, mb1mx4.2/18, MS3.9/1, Mst 3.9/1, ms1mx2.8/24, Error ellipse: s-maj=27.9km s-min=10.3km az=66.0

ISC 28 19:41:7.1±1.3, 1.60N, 0.07±126.7E±0.1, h66km, 12km, n48, c0915/1, mb4.6/27, 2C-1D, Northern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like GSPH General Santos, KCP Kidapawan, BIPH Bislig, FITZ Fitzroy Crossi, WRAB Tennant Creek, WRA Warramunga Arr, PMG Port Moresby, PMG Port Moresby, QIZ Qiongzong, JOW Kunigami, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, CTA Charters Tower, CTAO Charters Tower, CTAO Charters Tower, CMAR Chiang Mai Arr, ENH Enshi, JHJ Hachio jima, NWAO Narrogin (SRO), NWAO Narrogin (SRO), STKA Stephens Creek, BJT Baitatuau, LSA Lhasa, GUN Gumbi, KKN Kakani, GKN Gorkha, KOLN Koldanda, ENH Enshi, ILAR Eielson Array, ARCES ARCES Array B, ARCES ARCES Array B, ULHL Ulhloh, KZA Kyzart, TKM2 Tokmak 2, KBK Karagaybulak, UCH Uchter, USH Oshpenovka, AML Almayasha, EK2S Erkin-Say, KURK Kurchatov, BVAR Borovoye Array, BRVK Borovoye, CHKZ Chkalovo, QRN Al-Qurain, KBD Kurbatov, RDF Al-Radif, MIB Mutribah, RST RST, RST RST, VDA Vanda, VDA Vanda, FINES FINESS Array B.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like GSPH General Santos, KCP Kidapawan, BIPH Bislig, FITZ Fitzroy Crossi, WRAB Tennant Creek, WRA Warramunga Arr, PMG Port Moresby, PMG Port Moresby, QIZ Qiongzong, JOW Kunigami, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, CTA Charters Tower, CTAO Charters Tower, CTAO Charters Tower, CMAR Chiang Mai Arr, ENH Enshi, JHJ Hachio jima, NWAO Narrogin (SRO), NWAO Narrogin (SRO), STKA Stephens Creek, BJT Baitatuau, LSA Lhasa, GUN Gumbi, KKN Kakani, GKN Gorkha, KOLN Koldanda, ENH Enshi, ILAR Eielson Array, ARCES ARCES Array B, ARCES ARCES Array B, ULHL Ulhloh, KZA Kyzart, TKM2 Tokmak 2, KBK Karagaybulak, UCH Uchter, USH Oshpenovka, AML Almayasha, EK2S Erkin-Say, KURK Kurchatov, BVAR Borovoye Array, BRVK Borovoye, CHKZ Chkalovo, QRN Al-Qurain, KBD Kurbatov, RDF Al-Radif, MIB Mutribah, RST RST, RST RST, VDA Vanda, VDA Vanda, FINES FINESS Array B.

TAP 28 19:41:32.7, 22.53N, 120.99E, h19km, ML3.5, Taiwan

MAN 28 20:08:00.8, 11.25N, 124.35E, h1km, mb5.5, ML4.5, MS4.8, BUI 28 20:08:04.7, 11.46N, 124.54E, h23km, mb4.8, mb4.6, Ms4.2, Ms2.1, NEIC 28 20:08:05.4±4.7, 11.31N, 124.59E, h34km, 33km, mb4.4/8, Error ellipse: s-maj=18.6km s-min=7.2km az=68.0, NEIC Feli [I PIVS] at Lapu-Lapu City, Cebu, IDC 28 20:08:06.3±3.9, 11.29N, 124.55E, h44km, 36km, mb4.0/16, mb1.4/1/17, mb1mx4.1/20, MS3.8/11, Ms1.3/8/11, ms1mx3.6/20, Error ellipse: s-maj=31.0km s-min=12.6km az=68.0, ISC 28 20:08:02.9±1.0, 11.27N, 0.03±124.8E±0.5, h28km, 8km, n63, c0976/66, mb4.4/30, MS3.7/10, 8C-5D, Leyte

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like PLP Palo, LLP Lapu-Lapu, MMPH Masbate, TBP Tagbilaran, RCP Roxas, SNPH Sibulan, AAP Anini-y, CGP Cagayan de Oro, DCP Dipolog City, GGP Guinayangan, BIPH Bislig, BIPH Bislig, LQP Lukban, CTBH Cotabato-PC H, KCP Kidapawan, DAV Davao City (W), TGJ Tagaytay City, TGJ Tagaytay City, ZMPH Zamboanga City, JOW Kunigami, JNU Nakatusu, ENH Enshi, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, FITZ Fitzroy Crossi, BJT Baitatuau, BJI Beijing, BJI Beijing, PMG Port Moresby, WRAB Tennant Creek, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, LSA Lhasa, ULN Ulanbaatar, GUN Gumbi, PKI Pulchoki, KKN Kakani, DMN Daman, GKN Gorkha, KOLN Koldanda, NWAO Narrogin (SRO), NWAO Narrogin (SRO), STKA Stephens Creek, STKA Stephens Creek, DDI Dehra Dun, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, KURK Kurchatov, BVAR Borovoye Array, BRVK Borovoye, CHKZ Chkalovo, TIXI Tikisi, ILAR Eielson Array, ARCES ARCES Array B, ARCES ARCES Array B, ULHL Ulhloh, KZA Kyzart, TKM2 Tokmak 2, KBK Karagaybulak, UCH Uchter, USH Oshpenovka, AML Almayasha, EK2S Erkin-Say, KURK Kurchatov, BVAR Borovoye Array, BRVK Borovoye, CHKZ Chkalovo, QRN Al-Qurain, KBD Kurbatov, RDF Al-Radif, MIB Mutribah, RST RST, RST RST, VDA Vanda, VDA Vanda, FINES FINESS Array B, EMEL Melilla, EMEL Melilla, EJIF Jirama Fronter, EJIF Jirama Fronter, EBEP Berja.

NEIC 28 20:11:39.9, 35.16N, 3.96W, MG3.5 (MDD), After MDD, MDD 28 20:11:39.6±1.6, 35.12N±3.96W, mb3.6/6, Error ellipse: s-maj=16.8km s-min=6.0km az=14.0, Aftershock PLICA PRXIMO, Strait of Gibraltar

28d 22h

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like EBER, BERJA, SIERRA DE LIJA, COGOLLOS-VEGA, ESPERA, ELUO, EQES, EHOR, EMIN, EMUR, EGRO, EGRO, EGRO, ETOB.

MEX 28:20:17.44.3.0.6, 18.33N x 103.11W, h16km, 1.1km, MD3.8, Near east of Michoacan

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like COLM, COLM, ZIIG, ZIIG, SFJM, SFJM.

DC 28:20:33:26.3.6.7, 16.14S x 65.51W, mb3.6/1, mb1 4.0/2, mb1 mx3.6/13, ML3.7/1, Error ellipse: s-maj=124.0km

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

BER 28:20:51:13.5.3.5, 74.03N x 9.75E, h1km, 70km, ML2.1 (NAO) NEIC 28:20:51:15.0.0.8, 74.21N x 10.37E, h10km, Error ellipse: s-maj=21.5km s-min=6.6km az=79.0

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like SPBA, SPAO, SPITS, KBS, KBS, ARAO, ARAO, ARAO, ARCES, ARCES, ARCES, HFS, GERES, YKA, MKAR, ILAR.

MAN 28:21:41:04.9, 11.26N x 124.42E, h29km, mb4.3, ML3.2, MS3.0, 2C-1D, Leyte

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like PLP, PLP, LLL, LLL, TBP, RCP, RCP.

DJA 28:21:53:43.0.0.9, 8.16S x 116.16E, h94km, 8km, MD4.7/4, ML3.9/2, 7C-1D, Error ellipse: s-maj=28.1km s-min=15.0km az=176.0, Sumbawa region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like KEDI, KEDI, RATI, RATI, INGI, INGI, INGI, KELI, KELI.

2004 MAR 1eSn S 21 54 29.7 -2.6

Main table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like KLI, BUI, LDG, SYO, HRVD, NEIC, IDC, ISC, LSA, GUN, KKN, GKN, PKI, DMN, DANN, KOLN, SHL, SHL, PTH, DDI, SDNR, THN, NDI, CHENGDU, CD2, CD2, ULHL, KZA, MKAR, MKAR, TKM2, KBK, UCH, AAK, CHMS, AML, AJM, USP, EKS2, VIS, CHG, ENH, BTO, BTO, CM31, CMAR, CMAR, KGD, KGD, NANT, KURK, HYB, HYB, HYB, ULN, QUE, QUE, POO, NST, KAD, KKTK, CUD, CUD, CUD, CUD, BJT, BJT, BJI, BJI, BJI, DHD, DHD, DHD, BVAR, BVAR, BVAR, BKV, BKV, DL2, DL2, DL2, HIA, PALK, PALK, CN2, CN2, CN2, CN2, MOX, MOX.

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Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like UMR, UMR, KBD, MIB, MIB, GNI, GNI, RDF, RDF, NAY, NAY, RST, RST, MZL, MZL, MAT, MAT, MAT, ARSS, HILS, AFFS, AFFS, JAMS, JAMS, JHJ, JHJ, TATS, TATS, TIXI, TIXI, QURS, QURS, ASF, ASF, KBR, KBR, DJNS, DJNS, BLJS, BLJS, HMDT, HMDT, MKRQ, MKRQ, MKRQ, MKRQ, ZFRI, ZFRI, PRNI, PRNI, JOF, JOF, MBH, MBH, ELI, ELI, KMTI, KMTI, KZIT, KZIT, HAQS, HAQS, AYUNAH, AYUNAH, MD2, MD2, HARR, HARR, KAF, KAF, FINES, FINES, FINES, FINES, ISR, ISR, ISR, MLR, MLR, MLR, ARCES, ARCES, ARCES, ARCES, SUW, SUW, KDZ, KDZ, KWP, KWP, RZN, RZN, PGB, PGB, MMB, MMB, CRVS, CRVS, CRVS, VTS, VTS, KRIS, KRIS, NIE, NIE, IDI, IDI, OJC, OJC, BARS, BARS, PSZ, PSZ, SKO, SKO, GRUS, GRUS, VYHS, VYHS, VYHS, VYHS, OKC, OKC, SRO, SRO, MORC, MORC, RHK, RHK, BILL, BILL, KSP, KSP, ZST, ZST, ZST, DUB, DUB, VRAC, VRAC, UP, UP, NB2, NB2, NB2, NOA, NOA, NOA, PRU, PRU, ARSA, ARSA, BRG, BRG, PERS, PERS, CLL, CLL, CLL, MOA, MOA, GECC, GECC, GERES, GERES, KHK, KHK, OBKA, OBKA, LJU, LJU, KND, KND, WETS, WETS, JAVS, JAVS, JVOY, JVOY, KBA, KBA, BSEG, BSEG, ROBS, ROBS, MOX, MOX, MOX, MOX.

MOX	Moxa	57.10 312 eP	P	22 15 28.5 -0.1
MOX	comp-Z,33nm,1.6s,mbs.1		LR	
TDS	Patocco-Z,500nm,16.0s,MS4.7	57.12 299 eP	P	22 15 29.6 +0.6
PTCC	Terranova Siba	57.14 307 eP	P	22 15 27.8 -1.2
GRI	Girifalco	57.34 298 eP	P	22 15 30.4 -0.1
FG5	Orsara di Pugli	57.37 301 eP	P	22 15 31.4 +0.7
MFLC	Muro Lucano	57.38 300 eP	P	22 15 30.5 -0.3
SLCN	Sala Consilina	57.40 307 eP	P	22 15 31.2 +0.4
AVI	Torni Avotri	57.40 307 eP	P	22 15 30.7 -0.6
MGR	Merigerati	57.54 299 eP	P	22 15 31.5 -0.4
CLZ	Claustral	57.54 314 eP	P	22 15 31.9 +0.2
SGO	Scignano	57.58 300 eP	P	22 15 32.3 +0.1
GRAT	Grafenegg Arr	58.03 311 eP	P	22 15 32.8 +0.7
CSNS	Cassano Iripino	57.68 306 eP	P	22 15 32.8 -0.1
CII	Carovilli	57.91 301 eP	P	22 15 36.7 +2.2
FUR	Furstenfeldbru	57.99 309 eP	P	22 15 35.5 +0.6
WTTA	Wattenberg	58.02 308 fP	P	22 15 34.8 -0.3
RNI2	Rionero Sanitt	58.03 301 eP	P	22 15 35.8 +0.5
WATA	Walderaim	58.04 308 fP	P	22 15 34.8 -0.5
SDI	San Donato	58.27 302 eP	P	22 15 36.5 -0.4
ARD	Arcevia	58.30 304 eP	P	22 15 37.0 -0.1
SOTA	Sankt Jurgen	58.31 308 fP	P	22 15 36.5 -0.7
MQA	Moosalm	58.34 309 fP	P	22 15 36.7 -0.7
FSSB	Fossobrone	58.35 304 eP	P	22 15 37.5 0.0
CTG	Castel Tesino	58.38 307 eP	P	22 15 37.0 -0.1
NRCA	Norcia	58.42 311 eP	P	22 15 37.0 0.0
PTQR	Pietraquaria	58.46 302 eP	P	22 15 38.5 +0.2
HDH	Heidenheim	58.55 310 eP	P	22 15 38.7 -0.1
ASS	Assisi	58.64 303 eP	P	22 15 39.7 +0.2
SIND	Sindelford	58.70 311 eP	P	22 15 39.8 -0.1
MNS	Mondrasio	58.84 303 eP	P	22 15 40.3 -0.6
UBR	Ubernburg	58.93 312 eP	P	22 15 40.2 0.4
SFI	Santa Sofia	58.95 305 eP	P	22 15 42.3 +0.9
CRE	Caprese Michel	58.94 304 eP	P	22 15 42.6 +1.0
PGD	Poggio Sodo	59.02 305 eP	P	22 15 43.1 +1.0
BRMO	Bormio	59.09 308 eP	P	22 15 42.2 -0.4
VWG	Vicchio	59.11 305 eP	P	22 15 43.8 +1.1
YD	Tromm	59.12 310 eP	P	22 15 42.7 -0.1
BUCD	Buch Urach	59.13 310 eP	P	22 15 43.1 +0.2
STU	Stuttgart	59.13 311 eP	P	22 15 42.3 -0.6
DAVA	Damueli	59.15 309 fP	P	22 15 41.8 -1.2
SCPI	comp-Z,33nm,1.2s,mbs.5			
DAVX	Davos	59.21 305 eP	P	22 15 44.9 +1.4
SEI	Seari	59.31 308 eP	P	22 15 43.5 -0.7
ZCCA	Zocca	59.37 305 eP	P	22 15 46.3 +1.8
GUT	Gutenstein	59.40 310 eP	P	22 15 44.6 -0.1
LBG	Lerchenberg	59.42 311 eP	P	22 15 45.0 +0.2
SPAK	Spaichingen	59.60 310 eP	P	22 15 45.8 -0.3
KTD	Kalmit	59.66 311 eP	P	22 15 47.1 +0.6
ERBM	Eremo	59.73 306 eP	P	22 15 48.3 +1.2
GRFL	Gerfalco	59.77 304 eP	P	22 15 47.1 -0.2
SARO	Sassorosso	59.82 305 eP	P	22 15 47.6 0.0
ABH	Alteburg	59.82 312 eP	P	22 15 47.4 -0.2
BFO	Black Forest	59.82 310 eP	P	22 15 47.3 -0.3
MAIM	59.84 305 eP	P	22 15 46.7 -1.1	
VALM	Valm	59.85 305 eP	P	22 15 48.0 +0.7
GRAN	Grannen	59.84 311 eP	P	22 15 48.1 +0.1
LANF	Langenberg	59.94 311 eP	P	22 15 48.4 0.0
KMBO	Kilima Mbogo	59.99 245 eP	P	22 15 48.7 -0.6
KMBO	comp-Z,2.9nm,0.8s,mbs.4,3,baz=42,slow=8.6,SNR=11		LR	22 44 44.4
KMBO	comp-Z,1.68nm,18.2s,MS4.2,baz=72,slow=39		LR	22 15 48.3 -1.0
KMBO	Kilima Mbogo	59.99 245 eP	P	22 15 48.3 -1.0
MS4.0	comp-Z,123nm,20.0s		LR	
BACM	Bacm	60.00 305 eP	P	22 15 48.9 -0.1
STR	Strasbourg	60.09 311 eP	P	22 15 49.3 -0.2
CODM	Codm	60.12 306 eP	P	22 15 49.5 -0.2
FELD	Feldberg	60.17 310 eP	P	22 15 49.8 -0.2
FELD	Feldberg	60.17 310 eP	P	22 15 49.7 -0.3
RUP	Ruppstein	60.17 312 eP	P	22 15 49.0 -0.1
RUP	Ruppstein	60.17 312 eP	P	22 15 49.9 -0.1
KIZ	Kirchzarten	60.20 310 eP	P	22 15 49.7 -0.5
FX1	Attu Island-7	60.21 44 LR		22 43 19.9
BOB	Bobbio (Coil)	60.21 311 eP	P	22 15 51.5 +0.9
VAF	Varesse	60.34 308 eP	P	22 15 49.9 -1.3
CDI	Champ du Feu	60.46 311 eP	P	22 15 51.3 -0.7
HGN	Heimansgrove	60.52 314 eP	P	22 15 51.9 -0.4
ECH	Echery	60.59 310 eP	P	22 15 52.3 -0.6
BBS	Basel-Blauen	60.62 310 eP	P	22 15 52.6 -0.5
MOF	Molkenrain	60.73 310 eP	P	22 15 53.6 -0.2
WLF	Walferdange	60.74 312 eP	P	22 15 53.8 -0.1
MCGN	Macugnaga	60.82 308 eP	P	22 15 54.6 +0.1
HINF	Hinterferalpe	60.92 310 eP	P	22 15 54.3 -0.8
PCP	Plan Castagno	60.94 306 eP	P	22 15 54.9 -0.4
DAG	Danmarks Havn	61.06 345 fP	P	22 15 55.2 -0.5
DAG	Danmarks Havn	61.06 345 fP	P	22 15 55.2 -0.5
LOMF	Lomont	61.10 310 eP	P	22 15 55.7 -0.6
HAU	Haudompre	61.18 310 eP	P	22 15 55.9 -0.9
HAU	comp-Z,260nm,19.0s			
FIN	Finale Ligure	61.28 306 eP	P	22 15 56.1 -1.6
THEF	They Thintfort	61.33 311 eP	P	22 15 57.1 0.4
PIOG	Piogioia	61.34 304 eP	P	22 15 57.0 -1.0
GIVF	Givet	61.41 313 eP	P	22 15 57.9 -0.5
RORO	comp-Z,49nm,1.2s,mbs.2			
ROB	Roburent	61.48 306 eP	P	22 15 57.5 -1.0
LSD	Ceresole Reale	61.54 308 eP	P	22 15 58.5 -0.5
OGD1	Vacheresse	61.54 309 eP	P	22 15 59.5 +0.1
RSP	Reno Superiore	61.58 307 eP	P	22 15 59.0 -0.3
IWI	Imperia	61.60 306 eP	P	22 15 59.2 -0.6
MONE	Monesi	61.60 306 eP	P	22 15 58.9 -1.1
BHB	Bricherasio	61.69 307 eP	P	22 15 59.2 -1.2
NEGI	Negi	61.75 306 eP	P	22 15 59.8 -1.0
LPG	La Plagne	61.79 308 eP	P	22 16 01.2 +0.2
BAIF	Baives	61.80 313 eP	P	22 16 00.5 -0.5
LPL	La Plagne	61.80 308 eP	P	22 16 01.0 -0.1
SAOR	Saorge	61.81 306 eP	P	22 16 00.9 -0.2
ENAF	Entraque	61.81 306 eP	P	22 16 00.7 -0.4
RZSL	Rosendel	61.81 308 eP	P	22 16 00.7 -0.4
MEZF	Maizieres J'vi	61.82 311 eP	P	22 16 00.8 -0.3
DOI	San Damiano	61.82 306 eP	P	22 16 00.7 -1.5
CABF	La Chapelie	61.83 309 eP	P	22 16 00.5 -0.7
STV2	Anna di Valdie	61.86 306 eP	P	22 16 00.1 -1.4
STV	Sta Anna Valdi	61.86 306 eP	P	22 16 00.2 -1.3
PZZ	Prazzo	61.92 307 eP	P	22 16 01.1 -0.8
SBF	Sospel	61.93 307 eP	P	22 16 01.3 -0.6
RRL	Cesana Torines	61.98 307 eP	P	22 16 01.8 -0.4
AURF	Auriere	61.99 306 eP	P	22 16 02.2 -0.2
TOUF	Mont Tourmerai	62.00 306 eP	P	22 16 02.4 0.0
MBDF	Montbard	62.06 307 eP	P	22 16 01.6 -1.2
SURF	SaintOURS	62.12 107 eP	P	22 16 02.8 -0.4
FITZ	Fitzroy Crossi	62.40 144 eP	P	22 16 04.2 -1.2
GRN	Greenoble	62.55 308 eP	P	22 16 06.0 -0.1
FRF	Font Royat	62.58 306 eP	P	22 16 05.2 -1.1
ORIF	Oris-en-Rattie	62.58 307 eP	P	22 16 05.2 -1.1
ORIF	comp-Z,49nm,0.9s,mbs.3			
ORIF	comp-Z,604nm,21.2s			
LMR	La Moure	62.75 305 eP	P	22 16 06.6 -0.8
LOR	Lormes	63.01 310 eP	P	22 16 07.9 -1.3
LOR	comp-Z,59nm,1.3s,mbs.2			

OCF	Saint Nazaire	63.09 307 eP	P	22 16 09.6 -0.1
OG26	St-Nazaire-De	63.09 307 eP	P	22 16 09.6 -0.1
PURF	Simyane la Rot	63.13 306 eP	P	22 16 09.6 -0.1
SMF	Puyoubier	63.22 306 eP	P	22 16 09.6 -1.0
SMF	Signal de Mont	63.26 310 eP	P	22 16 09.8 -1.0
SSF	Saint Saule	63.31 310 eP	P	22 16 10.2 -0.9
TREF	Trevesse	63.40 306 eP	P	22 16 11.8 +0.1
PVAF	Saint-Julien-	63.40 308 eP	P	22 16 11.0 -0.7
PRAF	Pradon	63.47 306 eP	P	22 16 11.5 -0.7
AVF	Avril sur Leir	63.51 310 eP	P	22 16 11.5 -0.9
HYF	Humbigny	63.78 311 eP	P	22 16 13.8 -0.3
BGF	Bois d'Agland	63.92 310 eP	P	22 16 14.2 -0.9
AGO	Saint-Agnan	63.94 309 eP	P	22 16 14.8 -0.4
PYM	Petit Puy Mans	64.14 309 eP	P	22 16 16.4 0.0
LBL	Lubliach	64.18 308 eP	P	22 16 16.6 -0.2
LASF	Ste Croix	64.24 307 eP	P	22 16 16.8 -0.3
TCF	Toussaint	64.44 410 eP	P	22 16 18.1 -0.3
VERF	Verneuil	64.47 309 eP	P	22 16 18.5 -0.1
TIN	Tin City	64.51 27 eP	P	22 16 18.2 -0.4
LDF	La Druittier	64.97 313 eP	P	22 16 20.8 -1.0
CAF	Calviac	65.07 309 eP	P	22 16 22.4 -0.1
FLN	Folmer	65.2 313 eP	P	22 16 21.7 -1.1
FLN	comp-Z,37nm,1.3s,mbs.0		eR	
RJF	Les Rejaudoux	65.27 309 eP	P	22 16 23.9 +0.1
RJF	comp-Z,155nm,1.3s,mbs.5		eR	
GRR	Gorron	65.50 313 eP	P	22 16 24.3 -0.9
MTLF	Montlieu	65.62 307 eP	P	22 16 25.6 -0.5
MFF	Saint Martin d	65.80 311 eP	P	22 16 26.4 -0.8
LF	La Frestalet	65.92 309 eP	P	22 16 27.9 -0.1
ANGM	Angm	65.93 27 eP	P	22 16 28.5 +0.0
SGNF	Saint Gilles	65.99 313 eP	P	22 16 31.8 -0.3
DMUB	Kingscourt	66.62 310 eP	P	22 16 22.3 -1.0
DLF	Lyons Farm	66.68 319 eP	P	22 16 21.7 -1.1
ROSF	Rostrene	66.98 314 eP	P	22 16 32.2 -0.4
ECN	Etsaut	67.00 307 eP	P	22 16 34.0 -0.8
DPF	Croghan	67.06 320 eP	P	22 16 24.2 -1.1
QUIF	Quistinic	67.10 313 eP	P	22 16 24.7 -0.7
ETSF	Etsaut	67.65 307 eP	P	22 16 38.9 0.0
WRA	Warramunga Arr	68.76 134 P	P	22 16 45.8 -0.4
WRA	comp-Z,131nm,1.2s,mbs.4,8,baz=327,slow=6.7,SNR=28		LR	22 48 56.7
WRAB	Tennant Creek	68.76 134 eP	P	22 16 45.3 -0.9
ECRI	Cripan	69.06 308 P	P	22 16 48.2 +0.5
IMA	Indian Mountain	69.21 23 eP	P	22 16 49.3 +1.1
ELAN	Lanostosa	69.38 309 P	P	22 16 49.2 -0.4
GUD	Guadarrama	71.08 307 P	P	22 17 00.5 +0.5
ASAR	Alice Springs	71.41 137 P	P	22 17 02.3 +0.1
ESDC	Sonsea Array	71.42 306 P	P	22 17 02.2 +0.1
ESDC	comp-Z,10nm,0.8s,mbs.4,8,baz=53,slow=6.7,SNR=27			22 48 46.5
ESLA	comp-Z,257nm,21.7s,MS4.5,baz=45,slow=36			22 17 01.5 -0.5
NWAO	Narogin (SRO)	71.65 155 P	P	22 17 04.2 +0.7
COLA	College	71.84 22 eP	P	22 17 04.9 +0.8
EBAN	comp-Z,28nm,1.0s,mbs.5			22 17 06.1 +0.4
ECAL	Calabar	72.14 309 P	P	22 17 06.6 +0.3
EINC	Incho	72.17 310 P	P	22 17 07.3 +0.9
PBRG	Braganca	72.21 309 eP	P	22 17 07.2 +0.5
ILAR	Eielson Array	72.21 22 P	P	22 17 05.9 -0.4
ILAR	comp-Z,24nm			

28d 22h

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like BTO Baotou, KGD Kothagudem, NAN Kurchatov, etc.

2004 MAR

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like KKB Krupnik, KRIS Kristallenia, NIE Niedzica, etc.

620

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like FIN Finale Liguria, PGF Pioggia, RHO They Montfort, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TXAR Lajitas Array, SNAIA Sanae, GSPA South Pole Qui, etc.

IDC 28 22:42:29.9, 3.9, 35.03N-69.81E, mb3.8/5, mb1 4.0/7, mb1mx3.7/16, ML3.2/2, Error ellipse: s-maj=78.4km

NEIC 28 22:42:39.6, 6.3, 35.39N-69.77E, h67km, 40km, mb4.0/3, Error ellipse: s-maj=65.8km s-min=23.1km az=164.0

NCC 28 22:42:54.4, 4.0, 36.48N-69.43E, h109km, 30km, mpv4.0, Error ellipse: s-maj=31.9km s-min=24.9km az=43.0

ISC 28 22:42:48.4, 1.8, 36.03N-68.70E, 0.2, h120km, 17km, n42, c0599/48, mb3.8/5, 8C-2D, Hindu Kush region

Main table listing seismic stations and events with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like THN Thein Dam, THN DLH, AML Almayashu, etc.

IDC 28 22:50:47.3, 1.7, 34.24N-89.27E, mb3.6/5, mb1 3.8/6, mb1mx3.6/14, ML4.1/1, Error ellipse: s-maj=62.6km s-min=30.5km az=50.0

NEIC 28 22:50:48.0, 7.4, 34.03N-88.97E, h10km, mb3.8/1, Error ellipse: s-maj=47.5km s-min=10.9km az=60.0

ISC 28 22:50:47.5, 0.8, 34.3N-89.3E, 0.4, h10km, n9, c1521/9, mb3.6/5, Xizang

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

IDC 28 22:53:42.1, 2.2, 6.71S-129.74E, mb3.7/1, mb1 3.8/4,

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

NEIC 28 23:04:33.2, 2.2, 6.65N-72.73W, h175km, 22km, mb3.6/4, Error ellipse: s-maj=32.1km s-min=14.3km az=63.0

IDC 28 23:04:34.6, 2.8, 6.44N-73.13W, h187km, 50km, mb3.5/6, mb1 3.7/7, mb1mx3.4/11.0, Error ellipse: s-maj=72.9km s-min=44.3km az=11.0

ISC 28 23:04:32.4, 2.8, 6.7N-72.0E, 0.2, h179km, 27km, n14, c076/15, mb3.6/7, Northern Columbia

Table listing seismic stations with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ROSC El Rosal, OTAV Otavalo, JTS JuntasAbangare, etc.

NEIC 28 23:19:24.2, 1.5, 8.06S-148.73E, h48km, 13km, mb4.5/7, Error ellipse: s-maj=15.7km s-min=9.0km az=87.0

BUI 28 23:19:25.2, 8.10S-148.70E, h48km, mb4.9, Error ellipse: s-maj=15.7km s-min=9.0km az=87.0

IDC 28 23:19:27.1, 9.8, 15S-148.61E, h76km, 15km, mb3.9/9, mb1 4.2/11, mb1mx4.2/12, MS4.0/7, ms1mx3.8/14, Error ellipse: s-maj=23.0km s-min=12.3km az=124.0

ISC 28 23:19:24.0, 1.6, 8.08S-107.148E, 0.1, h61km, 13km, n27, c084/28, mb4.3/5, Eastern New Guinea region

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

NEIC 29 00:42:54.1, 35.07N-4.07W, MG3.4(MDD), After MDD, MDD 29 00:42:54.9, 1.4, 35.15N-4.06W, mb3.4/7, Error ellipse: s-maj=13.9km s-min=8.5km az=8.0, PRXIMO

INMG 29 00:42:57.3, 0.8, 35.23N-4.21W, h12km, 15km, Error ellipse: s-maj=12.2km s-min=3.6km az=166.0

ISC 29 00:42:56.0, 1.2, 35.28N-0.07, 4.28W-0.05, h12km, n23, c1502/41, Strait of Gibraltar

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

NAO 28 23:58:14.8, 5.3, 75.86N-8.76E, ML2.0, BER 28 23:58:15.0, 2.5, 75.80N-8.17E, h19km, 50km, ML2.0(NAO)

ISC 28 23:58:11.7, 2.7, 75.86N-0.08E, h10km, n3, c1571/6, Greenland Sea

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

NAO 29 00:08:07.3, 7.3, 76.02N-10.01E, h8km, 48km, ML2.1, BER 29 00:08:07.8, 3.6, 76.03N-10.09E, ML2.1(NAO)

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

THE 29 00:33:29.4, 3.8, 46N-23.88E, h8km, NEIC 29 00:33:30.0, 3.8, 43N-23.89E, h54km, ML2.4(ATH), After ATH

ATH 29 00:33:30.0, 3.8, 42N-23.88E, h54km, MD2.7/7, ML2.4, ISC 29 00:33:28.0, 3.8, 46N-0.02, 23.95E-0.06, h11km, 5km, n17, c0594/29, 1C-1D, Greece

Table listing seismic stations with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MPAR Parnis Oros, MPAR, PTL, etc.

IDC 29 00:35:30.0, 0.8, 6.20, 39S-177.65W, h489km, 97km, mb3.1/4, mb1 3.4/5, mb1mx3.2/12, Error ellipse: s-maj=58.8km s-min=34.7km az=7.0

ISC 29 00:35:12.9, 1.5, 19.7S-102.177E, 0.3, h300km, n8, c025/9, mb3.3/4, Fiji Islands region

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

IDC 29 00:37:60.0, 2.3, 4.62N-123.64E, mb3.9/3, mb1 4.2/3, mb1mx3.9/14, 1C, Error ellipse: s-maj=305.0km s-min=24.8km az=63.0, Celebes Sea

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

NEIC 29 00:42:54.1, 35.07N-4.07W, MG3.4(MDD), After MDD, MDD 29 00:42:54.9, 1.4, 35.15N-4.06W, mb3.4/7, Error ellipse: s-maj=13.9km s-min=8.5km az=8.0, PRXIMO

INMG 29 00:42:57.3, 0.8, 35.23N-4.21W, h12km, 15km, Error ellipse: s-maj=12.2km s-min=3.6km az=166.0

ISC 29 00:42:56.0, 1.2, 35.28N-0.07, 4.28W-0.05, h12km, n23, c1502/41, Strait of Gibraltar

Main table listing seismic stations and events with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like EMEL Mellilla, EJIF, EROA, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Rows include PASC Alcotim, PASC Alcotim, EGRO EI Granado, EGRO EI Granado, EGRO Sao Teotônio, EGRO Sao Teotônio, PSCB Sonseca Array, PSCB Sonseca Array, ESDC Castelo Branco, ESDC Castelo Branco, PCBR Tomar, PCBR Tomar, PBRG Braganca, PBRG Braganca.

ISK 29 00:43:18.9, 39.90N-40.69E, h5km, MD3.7
ISC 29 00:43:19.0-7, 39.93N-0.05-40.73E-0.05, h5km, n13,
c#052/17, Turkey

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Rows include ERZM Erzurum, ERZM Erzurum, BINT Bingol, BINT Bingol, GUMT Gumushane, GUMT Gumushane, AGRT Agri, AGRT Agri, BTMT Batman, BTMT Batman, KARS Kars, KARS Kars, ELZG Elazig, ELZG Elazig, DIY Diyarbakir, DIY Diyarbakir, MYA Malataya, MYA Malataya, VAN Van, VAN Van, TVAN Van, TVAN Van, VANT Van, VANT Van, SVSK Karacayir, SVSK Karacayir.

ISK 29 00:58:24.1, 39.90N-40.67E, h8km, MD3.6
ISC 29 00:58:24.0-6, 39.91N-0.04-40.69E-0.05, h8km, n12,
c#052/17, Turkey

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Rows include ERZM Erzurum, ERZM Erzurum, BINT Bingol, BINT Bingol, GUMT Gumushane, GUMT Gumushane, AGRT Agri, AGRT Agri, BTMT Batman, BTMT Batman, ELZG Elazig, ELZG Elazig, KARS Kars, KARS Kars, DIY Diyarbakir, DIY Diyarbakir, BEST Besir, BEST Besir, MYA Malataya, MYA Malataya, VAN Van, VAN Van, VANT Van, VANT Van.

NIED 29 01:02:00, 28.90N-128.10E, h14km, Mw4.5 Best double
couple: M5.41x10^15 NP1\_052^2, 887^2, 169^2. NP2\_053^143^2,
879^2, 133^2.

JMA 29 01:02:18.7-0.2, 28.90N-128.13E, h6km, 2km, M4.2
IDC 29 01:02:18.9-0.7, 28.95N-128.23E, mb3.9/10, mb1 4.2/12,
mb1mx4.1/21, ML3.6/2, MS3.9/10, Ms1 4.0/10,
ms1mx3.7/27, Error ellipse: s-maj=29.9km s-min=15.3km
b=82.0

NEIC 29 01:02:21.1-0.3, 28.91N-128.16E, h15km, mb4.4/2, Error
ellipse: s-maj=15.4km s-min=6.3km az=76.0
BUJ 29 01:02:21.0, 28.90N-128.20E, h15km, mb4.4, mb4.3,
ML4.6, Ms4.5, Ms2.4.2

ISC 29 01:02:21.1-1.1, 28.89N-0.03-128.15E-0.04, h25km, 14km,
n40, c#0575/43, mb4.0/13, MS4.0/6, Ryukyu Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Rows include JTK Tokunoshima, JTK Tokunoshima, JAM Amami Oshima, JAM Amami Oshima, JAM Kikaishima, JAM Kikaishima, JNN Nakanoshima, JNN Nakanoshima, JNH Iheya, JNH Iheya, JOW Kunigami, JOW Kunigami, JOW Kunigami, JOW Kunigami, JKC Kuchinoerabu, JKC Kuchinoerabu, JAGN Aguni-jima, JAGN Aguni-jima, JSJ Shimokoshiki, JSJ Shimokoshiki, JNU Nakatsue, JNU Nakatsue, JNU Nakatsue, JNU Nakatsue, TATO Taipei, TATO Taipei, KS15 Wonju Array Si, KS15 Wonju Array Si, MAJO Matsushiro, MAJO Matsushiro, BJI Beijing, BJI Beijing, BJI Beijing, BJI Beijing, TGY Tagayay City, TGY Tagayay City, ASAJ Asahikawa, ASAJ Asahikawa, CD2 Chengdu, CD2 Chengdu, CD2 Chengdu, CD2 Chengdu, HIA Hailar, HIA Hailar, ULN Ulanbatam, ULN Ulanbatam, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, MKAR Makanchi Arr, MKAR Makanchi Arr, PMG Port Moresby, PMG Port Moresby, KURK Kurchatov, KURK Kurchatov, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, CHKZ Chkalovo, CHKZ Chkalovo, BVAR Borovoye, BVAR Borovoye, BRVK Borovoye, BRVK Borovoye, WRAB Tennant Creek, WRAB Tennant Creek, WRA Warramunga Arr, WRA Warramunga Arr, WBS Warramunga Arr, WBS Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, ILAR Eielson Array, ILAR Eielson Array, ARCES ARCES Array B, ARCES ARCES Array B, FINES FINESS Array B, FINES FINESS Array B, FINES FINESS Array B, FINES FINESS Array B, YKA Yellowknife Ar, YKA Yellowknife Ar, YKA Yellowknife Ar, YKA Yellowknife Ar.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Rows include NOA NORARS Array B, NOA NORARS Array B, NVAR Mina Array B, NVAR Mina Array B, PDAR Pinedale Array, PDAR Pinedale Array.

IDC 29 01:03:13.6-3.2, 6.77N-73.26W, h176km, 25km, mb3.4/2,
mb1 3.5/3, mb1mx3.1/16, Error ellipse: s-maj=113.0km
s-min=32.8km az=107.0, Northern Colombia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Rows include ROSC El Rosal, ROSC El Rosal, ROSC El Rosal, ROSC El Rosal, SCHG Schefferville, SCHG Schefferville, YKA Yellowknife Ar, YKA Yellowknife Ar, WRA Warramunga Arr, WRA Warramunga Arr.

NEIC 29 01:05:27.5, 47.15N-0.67W, h3km, ML2.8(LDG),
ML2.8(STR), After LDG
LDG 29 01:05:27.0, 47.15N-0.67W, h3km, Md3.1/1, ML2.8/31,
Error ellipse: s-maj=1.8km s-min=1.4km az=52.0
STR 29 01:05:28.4, 0.5, 47.09N-0.63W, h5km, 1km, ML2.8, Error
ellipse: s-maj=0.0km s-min=0.0km az=1.0

ISC 29 01:05:24.9-0.3, 47.16N-0.01-0.50W-0.02, h3km, n35,
c#146/94, France

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Rows include LCHF La Chataignera, LCHF La Chataignera, MFF Saint Martin d, MFF Saint Martin d, MFF Saint Martin d, MFF Saint Martin d, LRYF La Roche-sur-Y, LRYF La Roche-sur-Y, GRR Gorro, GRR Gorro, OLEF Ile d'Oleron, OLEF Ile d'Oleron, LDF La Druitiere, LDF La Druitiere, LDF La Druitiere, LDF La Druitiere, FLN La Foliniere, FLN La Foliniere, FLN La Foliniere, FLN La Foliniere, SGMF Saint Gilles, SGMF Saint Gilles, SGMF Saint Gilles, SGMF Saint Gilles, QUIF Quistic, QUIF Quistic, QUIF Quistic, QUIF Quistic, TCF Toux Ste Croi, TCF Toux Ste Croi, TCF Toux Ste Croi, TCF Toux Ste Croi, HYF Humbigny, HYF Humbigny, HYF Humbigny, ROSF Rostrenen, ROSF Rostrenen, ROSF Rostrenen, ROSF Rostrenen, RJF Les Rejaudoux, RJF Les Rejaudoux, RJF Les Rejaudoux, RJF Les Rejaudoux, BGF Bois d'Agland, BGF Bois d'Agland, BGF Bois d'Agland, BGF Bois d'Agland, LFF La Frestale, LFF La Frestale, LFF La Frestale, LFF La Frestale, AVF Avril sur Loir, AVF Avril sur Loir, AVF Avril sur Loir, AVF Avril sur Loir, TCF Toux Ste Croi, TCF Toux Ste Croi, TCF Toux Ste Croi, TCF Toux Ste Croi, SSS Saint Saulge, SSS Saint Saulge, SSS Saint Saulge, SSS Saint Saulge, AGO Saint Agoulin, AGO Saint Agoulin, PYM Petit Puy Mans, PYM Petit Puy Mans, CAF Calviac, CAF Calviac, CAF Calviac, CAF Calviac, LOR Lormes, LOR Lormes, LOR Lormes, LOR Lormes, SMF Signal de Mont, SMF Signal de Mont, SMF Signal de Mont, SMF Signal de Mont, LBL Lubilhac, LBL Lubilhac, MEZF Maizieres J'vi, MEZF Maizieres J'vi, MEZF Maizieres J'vi, MEZF Maizieres J'vi, EPF Esparrros, EPF Esparrros, EPF Esparrros, EPF Esparrros, BAIF Baives, BAIF Baives, BAIF Baives, BAIF Baives, ETSF Etsaut, ETSF Etsaut, ETSF Etsaut, ETSF Etsaut, MTLF Montlieu, MTLF Montlieu, MTLF Montlieu, MTLF Montlieu, VIVF Saint-Julien-I, VIVF Saint-Julien-I, VIVF Saint-Julien-I, VIVF Saint-Julien-I, LASF Ste Croix, LASF Ste Croix, LASF Ste Croix, LASF Ste Croix, CABF La Chapelle, CABF La Chapelle, GIVF Givet, GIVF Givet, HAU Hautompre, HAU Hautompre, HINP Hinterfall, HINP Hinterfall, CDF Champ du Feu, CDF Champ du Feu.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Rows include BUJ 29 01:07:13.8, 34.21N-89.26E, h15km, mb5.1, mb4.5, Ms4.3, Ms2.1, IDC 29 01:07:13.3-0.6, 33.92N-89.26E, mb4.1/13, mb1 4.3/14, mb1mx4.3/16, ML4.1/1, MS3.4/2, Ms1 3.4/2, ms1mx3.2/22, Error ellipse: s-maj=39.6km s-min=13.5km az=52.0, NEIC 29 01:07:15.4-3.7, 33.97N-89.18E, h12km, 25km, mb4.7/21, MS4.4/1, Error ellipse: s-maj=10.7km s-min=5.3km az=52.0, LDG 29 01:07:15.5-1.2, 33.94N-89.11E, h33km, Mb4.8/19, MS3.9/6, Error ellipse: s-maj=55.2km s-min=6.6km az=124.0

ISC 29 01:07:17.0-1.4, 33.93N-0.07-89.21E-0.07, h42km, 14km,
n58, c#088/56, mb4.4/30, MS4.0/2, Xizang

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Rows include LSA Lhasa, LSA Lhasa, GUN Gumba, GUN Gumba, KKN Kakani, KKN Kakani, GKN Gorkha, GKN Gorkha, PKI Pulchoki, PKI Pulchoki, DMN Daman, DMN Daman, KOLN Koldanda, KOLN Koldanda, SHL Shillong, SHL Shillong, MKAR Makanchi Arr, MKAR Makanchi Arr, ENH Enshi, ENH Enshi, CM43 Chiang Mai Arr, CM43 Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, KURK Kurchatov, KURK Kurchatov, ULN Ulaanbaatar, ULN Ulaanbaatar, BVAR Borovoye, BVAR Borovoye, BVAR Borovoye, BVAR Borovoye, BRVK Borovoye, BRVK Borovoye, GORR Chkalovo, GORR Chkalovo, TIXI Tiksi, TIXI Tiksi, FINES FINESS Array B, FINES FINESS Array B, ARCES ARCES Array B, ARCES ARCES Array B, DPC Dubruska-Polom, DPC Dubruska-Polom, UPC Upec, UPC Upec, NB2 NORARS Subarra, NB2 NORARS Subarra, NOA NORARS Array B, NOA NORARS Array B, PRU Pruthin, PRU Pruthin, BRG Bergiusselbach, BRG Bergiusselbach, BRG Bergiusselbach, BRG Bergiusselbach, GERES GERES Array B, GERES GERES Array B, KHC Kasperske Hory, KHC Kasperske Hory, GRA1 Grafenberg Arr, GRA1 Grafenberg Arr, DAVOS Davos, DAVOS Davos, CDF Champ du Feu, CDF Champ du Feu, HINP Hinterfall, HINP Hinterfall, HAU Hautompre, HAU Hautompre, LAG La Plagne, LAG La Plagne, LPL La Plagne, LPL La Plagne, MBDF Montbard, MBDF Montbard, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, ORIF Oris-en-Rattie, ORIF Oris-en-Rattie, ORIF Oris-en-Rattie, ORIF Oris-en-Rattie, LMR La Moure, LMR La Moure, LOR Lormes, LOR Lormes, SMF Signal de Mont, SMF Signal de Mont, SSF Saint Saulge, SSF Saint Saulge, VIVF Saint-Julien-I, VIVF Saint-Julien-I, AVF Avril sur Loir, AVF Avril sur Loir, BGF Bois d'Agland, BGF Bois d'Agland, LDF La Druitiere, LDF La Druitiere, GRR Gorron, GRR Gorron, SGMF Saint Gilles, SGMF Saint Gilles, WRAB Tennant Creek, WRAB Tennant Creek, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, ESDC Sonseca Array, ESDC Sonseca Array, ILAR Eielson Array, ILAR Eielson Array, STKA Stephens Creek, STKA Stephens Creek, YKA Yellowknife Ar, YKA Yellowknife Ar, CPUP Villa Floris, CPUP Villa Floris.

ISC 29 01:09:58.1-2.1, 12.26S-65.83E, mb3.8/5, mb1 4.0/5,
mb1mx3.8/13, MS3.9/7, Ms1 3.9/7, ms1mx3.7/16, Error
ellipse: s-maj=88.6km s-min=28.7km az=52.0
NEIC 29 01:09:59.4, 1.3, 12.33S-65.75E, h10km, Error ellipse:
s-maj=19.6km s-min=21.9km az=53.0
ISC 29 01:09:55.4, 2.1, 12.5S-0.4, 65.4E-0.4, h10km, n15,
c#083/6, mb3.8/5, MS3.9/7, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Rows include KILIAMA Kilima Mbogo, KILIAMA Kilima Mbogo, MKAR Makanchi Arr, MKAR Makanchi Arr, BVAR Borovoye, BVAR Borovoye, BVAR Borovoye, BVAR Borovoye, ASAR Alice Springs, ASAR Alice Springs, ILAR Eielson Array, ILAR Eielson Array, STKA Stephens Creek, STKA Stephens Creek, YKA Yellowknife Ar, YKA Yellowknife Ar, CPUP Villa Floris, CPUP Villa Floris.

IDC 29 01:09:58.1-2.1, 12.26S-65.83E, mb3.8/5, mb1 4.0/5,
mb1mx3.8/13, MS3.9/7, Ms1 3.9/7, ms1mx3.7/16, Error
ellipse: s-maj=88.6km s-min=28.7km az=52.0
NEIC 29 01:09:59.4, 1.3, 12.33S-65.75E, h10km, Error ellipse:
s-maj=19.6km s-min=21.9km az=53.0
ISC 29 01:09:55.4, 2.1, 12.5S-0.4, 65.4E-0.4, h10km, n15,
c#083/6, mb3.8/5, MS3.9/7, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Rows include KILIAMA Kilima Mbogo, KILIAMA Kilima Mbogo, MKAR Makanchi Arr, MKAR Makanchi Arr, BVAR Borovoye, BVAR Borovoye, BVAR Borovoye, BVAR Borovoye, ASAR Alice Springs, ASAR Alice Springs, ILAR Eielson Array, ILAR Eielson Array, STKA Stephens Creek, STKA Stephens Creek, YKA Yellowknife Ar, YKA Yellowknife Ar, CPUP Villa Floris, CPUP Villa Floris.

IDC 29 01:09:58.1-2.1, 12.26S-65.83E, mb3.8/5, mb1 4.0/5,
mb1mx3.8/13, MS3.9/7, Ms1 3.9/7, ms1mx3.7/16, Error
ellipse: s-maj=88.6km s-min=28.7km az=52.0
NEIC 29 01:09:59.4, 1.3, 12.33S-65.75E, h10km, Error ellipse:
s-maj=19.6km s-min=21.9km az=53.0
ISC 29 01:09:55.4, 2.1, 12.5S-0.4, 65.4E-0.4, h10km, n15,
c#083/6, mb3.8/5, MS3.9/7, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Rows include KILIAMA Kilima Mbogo, KILIAMA Kilima Mbogo, MKAR Makanchi Arr, MKAR Makanchi Arr, BVAR Borovoye, BVAR Borovoye, BVAR Borovoye, BVAR Borovoye, ASAR Alice Springs, ASAR Alice Springs, ILAR Eielson Array, ILAR Eielson Array, STKA Stephens Creek, STKA Stephens Creek, YKA Yellowknife Ar, YKA Yellowknife Ar, CPUP Villa Floris, CPUP Villa Floris.



Table with 4 columns: Code, Station Name, Az, Phase ID. Includes stations like Chamberlain M, McKenzie Canyo, Pinedale Array, etc.

KRSC 29 01:23:57.0-10.7,55.40N,160.87E,h166km,2km,ML3.8,

Table with 4 columns: Code, Station Name, Az, Phase ID. Includes stations like TUMR, Kamenistaya, Zelenaya, etc.

Table with 4 columns: Code, Station Name, Az, Phase ID. Includes stations like Krutoberegovo, KBT, KBT, etc.

IDC 29 01:31:54.6-3.4, 10.50S, 112.43E, mb3.5/3, mb1 3/8, mb1mx3.5/10, Error ellipse: s-maj=153.0km s-min=27.5km az=44.0

DJA 29 01:32:00.9-1.0, 10.11S, 112.88E, h160km, MD4.6/4, ML4.9/4, Error ellipse: s-maj=32.3km s-min=22.9km az=154.0

ISC 29 01:32:05.6-1.3, 10.15S, 113.02E, h100km, n7, r151.0, mb3.4/3, 7C, South of Jawa

Table with 4 columns: Code, Station Name, Az, Phase ID. Includes stations like KELI, INGI, RATI, etc.

ISK 29 01:32:16.8, 39.87N, 40.69E, h5km, MD3.5

ISC 29 01:32:17.9-0.8, 39.93N, 40.06-40.76E, 0.05, h5km, n13, r127/18, 3C, Turkey

Table with 4 columns: Code, Station Name, Az, Phase ID. Includes stations like ERZM, BINT, GUMT, etc.

NEIC 29 02:35:15.8-5.6, 36.25N, 70.52E, h168km, 46km, Error ellipse: s-maj=45.5km s-min=15.4km az=223.0

IDC 29 02:35:15.5-7.9, 36.24N, 70.48E, h166km, 66km, mb3.3/6, mb1 3.5/8, mb1mx3.3/15, Error ellipse: s-maj=50.1km s-min=21.0km az=44.0

NNC 29 02:35:22.8-6.6, 36.86N, 70.52E, h180km, 41km, mpv4.3, Error ellipse: s-maj=66.6km s-min=23.5km az=15.0

ISC 29 02:35:16.3-1.6, 36.41N, 70.4E, 0.2, h183km, 14km, n32, r064/37, mb3.4/6, 3C-4D, Hindu Kush region

Table with 4 columns: Code, Station Name, Az, Phase ID. Includes stations like THN, AML, UCH, etc.

Table with 4 columns: Code, Station Name, Az, Phase ID. Includes stations like MKAR, KOLN, GKN, etc.

NEIC 29 02:37:20.5-0.8, 17.44S, 178.74W, h565km, Error ellipse: s-maj=63.5km s-min=10.9km az=154.0

IDC 29 02:37:22.9-9.2, 17.56S, 178.72W, h586km, 118km, mb3.2/7, mb1 3.5/7, mb1mx3.2/12, Error ellipse: s-maj=102.0km s-min=37.9km az=160.0

ISC 29 02:37:19.7-1.3, 17.45S, 178.0E, h565km, n12, r041/11, mb3.8/8, Fiji Islands region

Table with 4 columns: Code, Station Name, Az, Phase ID. Includes stations like CTA, STKA, WBK, etc.

BUI 29 02:50:12.5, 7.60S, 119.40E, h35km, mb5.1, mb5.1

NEIC 29 02:50:14.5-0.5, 7.59S, 119.42E, h35km, mb4.8/5, Error ellipse: s-maj=10.8km s-min=7.0km az=216.0

IDC 29 02:50:15.3-0.8, 7.35S, 119.66E, h42km, 7km, mb4.5/8, mb1 4.6/10, mb1mx4.5/15, ML4.4/2, MS3.4/6, Ms1 3.5/6, ms1mx3.3/22, Error ellipse: s-maj=46.2km s-min=12.3km az=58.0

DJA 29 02:50:15.0-0.9, 7.61S, 119.32E, h33km, MD4.8/4, ML5.4/4, Error ellipse: s-maj=57.3km s-min=16.8km az=163.0

ISC 29 02:50:12.8-0.3, 7.68S, 119.31E, 0.03, h41km, h41km, 1.5km, pp-P, n48, r14/54, mb4.9/16, MS3.4/5, 3C-8D, Flores Sea

Table with 4 columns: Code, Station Name, Az, Phase ID. Includes stations like KEDI, RATI, INGI, etc.

KAKA Kakadu 13.81 112 E

WRA Warramunga Arr 19.00 131 P

WRA 2.6nm, 0.3s, baz=308, slow=12, SNR=229

WRA 3.5nm, 0.3s, baz=298, slow=12, SNR=114

WRAB Tennant Creek 19.00 131 E

WRAB 17nm, 0.7s

WB2 Warramunga Arr 19.00 131 E

WB2 2.6nm, 0.3s, baz=318, slow=12, SNR=10

WB2 14nm, 0.4s, baz=324, slow=12, SNR=10

ASAR 27nm, 0.8s, baz=318, slow=8.6, SNR=9.9

ASAR 1.9nm, 1.0s, baz=309, slow=19, SNR=5.2

ASAR comp=2.86nm, 18.7s, MS3.2, baz=320, slow=40

AGY Tagaytay City 21.70 4 LR

KLBR Kellerberrin 23.84 183 E

FORT Forrest 24.40 162 E

Table with 4 columns: Code, Station Name, Az, Phase ID. Includes stations like HYB, GUN, PKI, etc.

IDC 29 03:02:07.6-1.1, 12.18N, 125.78E, mb4.0/7, mb1 4.1/7, mb1mx3.9/15, Error ellipse: s-maj=60.1km s-min=18.2km az=60.0

MAN 29 03:02:08.4, 12.27N, 125.97E, h19km, mb4.6, ML3.5, MS3

ISC 29 03:02:06.3-1.9, 12.27N, 126.04E, 0.05, h5km, 13km, n20, r094/28, mb3.9/8, 2C-1D, Philippine Islands region

Table with 4 columns: Code, Station Name, Az, Phase ID. Includes stations like BESP, CNP, PLP, etc.

MAN 29 03:36:10.4, 13.03N, 120.79E, h15km, mb4.2, ML3.0, MS2.6, 3C-1D, Mindoro

Table with 4 columns: Code, Station Name, Az, Phase ID. Includes stations like PGP, SJMP, LUBP, etc.

IDC 29 03:56:03.8-1.6, 11.51N, 86.04W, mb3.5/4, mb1 3.8/4, mb1mx3.6/15, Error ellipse: s-maj=68.5km s-min=18.5km az=54.0

CASC 29 03:56:07.4-1.9, 10.93N, 86.45W, h17km, 5km, MD3.9, ML3.3

ISC 29 03:56:05.0-1.3, 10.88N, 86.03E, 0.15, h6km, 8km, n32, r082/43, mb3.5/4, 8C-6D, Off coast of Costa Rica

Table with 4 columns: Code, Station Name, Az, Phase ID. Includes stations like CRZC, CONN, APON, etc.





Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like San Juan, Col San Antonio, Monte Pirata, Dease Lake, Yellowknife Ar, etc.

29d 9h
4.0m, 0.7s, mb4.5, baz=250, slow=9.3, SNR=4.8
comp=Z.261nm, 20.7s, MS4.0, baz=278, slow=38

IDC 29 08:14:53.2.1, 4.9.80N-28.80W, mb3.6/9, mb1 3.8/9, mb1mx3.8/12, Error ellipse: s-maj=54.9km s-min=38.7km az=53.0, Kermadec Islands region

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

IDC 29 08:40:32.2.1, 4.9.80N-28.80W, mb3.6/9, mb1 3.8/9, mb1mx3.7/19, MS3.4/3, Ms1 3.4/3, ms1mx3.1/22, Error ellipse: s-maj=44.3km s-min=18.8km az=177.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Quistin, Evora, Borovoye, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NOA, FRF, LMR, SBF, HFS, etc.

NEIC 29 08:47:04.7, 35.14N-3.93W, MG3.4(MDD), After MDD. MDD 29 08:47:05.2, 2.0, 35.04N-3.90W, h19km, 47km, mb3.9/4, Error ellipse: s-maj=65.2km s-min=11.5km az=161.0, Aftershock PLICA PRXIMO

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like EMEL, MELI, MELB, EBER, etc.

MEX 29 08:59:20.7, 0.6, 17.65N-98.83W, h50km, 16km, MD3.9

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

IDC 29 09:07:40.2, 1.3, 39.39S-78.11E, mb3.9/6, mb1 4.1/6, mb1mx4.1/7, Error ellipse: s-maj=38.8km s-min=28.2km

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

IDC 29 09:10:57.5, 6.9, 39.77S-77.50E, mb3.8/4, mb1 4.0/4, mb1mx3.9/7, MS3.9/6, Ms1 3.9/6, ms1mx3.7/16, Error ellipse: s-maj=188.0km s-min=45.3km az=40.0

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

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

IDC 29 09:26:24.4, 1.0, 3.20S-136.40E, mb4.1/5, mb1 4.3/8, mb1mx4.2/12, ML4.1/3, Error ellipse: s-maj=45.5km s-min=20.6km az=81.0

NEIC 29 09:26:32.6, 1.0, 3.34S-136.18E, h60km, mb4.1/1, Error ellipse: s-maj=29.0km s-min=15.8km az=96.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KAKA, WRAB, WB2, etc.

IDC 29 08:26:56.9, 10.0, 17.50N-105.33W, mb2.9/2, mb1 3.5/3, mb1mx3.4/16, ML3.2/1, MS3.5/1, Ms1 3.5/1, ms1mx2.8/9, Error ellipse: s-maj=170.0km s-min=101.1km az=144.0, Off coast of Jalisco

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TXAR, NVAR, SADO, etc.

GUC 29 09:35:10.0, 1.0, 24.48S-70.16W, h54km, gkm, MD3.9, ML3.8, 1C-3D, Near coast of northern Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CPN1, ANCH, ANCH, etc.

NEIC 29 09:51:59.5, 32.68S-71.87W, h28km, ML3.6(GUC), After GUC

GUC 29 09:51:59.5, 1.0, 32.68S-71.87W, h28km, 4km, MD3.6, ML3.6, 11C-9D, Near coast of central Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like IHA, PACH, ROCH, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CHCH, CMCH, CACH, LAMEL, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DJA, RATI, INGI, KEDI, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like THN, AML, SDNR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like USHA, LVC, CPUP, etc.

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

IDC 29 11:38:09.3:1.1, 43.83S:82.15W, mb4.07, mb1 4.4/7, mb1mx4.3/12, Error ellipse: s-maj=40.0km s-min=26.3km az=124.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LVC, CPUP, LPAZ, etc.

IDC 29 11:42:12.4:2.2, 43.91S:82.22W, mb3.9/6, mb1 4.2/6, mb1mx4.1/12, MS3.7/1, Ms1 3.7/1, ms1mx3.4/12, Error ellipse: s-maj=65.1km s-min=35.8km az=169.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like USHA, LVC, CPUP, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BUI, CD2, etc.

HEL 29 11:53:58.0:2.0, 56.23N:23.96E, ML2.0, Explosion NAO 29 11:54:00.6:2.2, 56.48N:22.93E, ML2.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MEF, PVF, FIAO, etc.

HEP 29 11:53:59.9:1.6, 56.68N:0.09, 22.8E:0.1, n13, s18/29, Baltic States - Belarus - Northwestern Russia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like FINE, KEF, KAF, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DCZ, MSZ, MLZ, etc.

NEIC 29 11:54:30.4:4.3, 17.18S:70.01W, h16km, 29km, Error ellipse: s-maj=15.2km s-min=12.9km az=206.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ARE, LPAZ, LVC, etc.

NEIC 29 12:23:24.2:4.0, 23.11S:177.95W, h335km, 41km, Error ellipse: s-maj=27.3km s-min=13.2km az=179.0

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

HEP 29 12:23:24.2:4.0, 23.11S:177.95W, h335km, 41km, Error ellipse: s-maj=27.3km s-min=13.2km az=179.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PMG, STKA, AS12, etc.

DJA 29 12:38:34.6:0.9, 8.69S:115.41E, h105km, 6km, MD5.2/1, ML2.9/1, 5C-3D, Error ellipse: s-maj=25.4km s-min=9.5km az=3.0, Bali region

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

NEIC 29 13:05:38.1, 34.98N:4.00W, MG3.5(MDD), After MDD, MDD 29 13:05:38.6:1.6, 35.05N:3.99W, mb3.0, 5E, Error ellipse: s-maj=17.9km s-min=6.1km az=11.0, Aftershock PLICA

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like EMEL, EJIF, EBER, etc.



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

IDC 29 14:59:39.2, 2.8, 34.28S x 179.80W, mb3.7/2, mb1 4.0/3, mb1mx3.8/13, ML3.3/1, Error ellipse: s-maj=64.3km s-min=35.1km az=113.0

ISC 29 15:01:43.1, 5.8, 34.4AS, 0.2-179.8W, 0.9, h33km, n4, 0e88/4, mb3.5/2, South of Kermadec Islands

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

NIED 29 15:01:00, 43.70N, 147.40E, h53km, Mw4.0 Best double couple: Mx1.33x1015 NP1.97, 7.81, 1.130E. NP2.97, 178.7, 8.41, 1.14E

JMA 29 15:01:15 0.0, 2.43.69N, 147.36E, h20km, Mw4.6 SKHL 29 15:01:16 1.2, 2.43.80N, 147.30E, h33km, mb4.6/3

IDC 29 15:01:16.2, 4.2, 44.92N, 147.18E, mb3.6/4, mb1 3.8/5, mb1mx3.6/19, ML3.7/1, Error ellipse: s-maj=120.0km s-min=25.5km az=160.0

ISC 29 15:01:15 1.1, 0.43.78N, 107.47E, 0.09, h51km, 10km, n24, 0e92/37, mb3.6/4, 1C-2D, Kuril Islands

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NEM2, KUR, etc.

IDC 29 16:00:59.4, 2.4, 2.95S, 101.08E, mb4.2/6, mb1 4.3/6, mb1mx4.0/13, Error ellipse: s-maj=144.0km s-min=20.3km

ISC 29 16:01:03.6, 2.2, 2.85S, 0.6, 101.4E, 0.7, h33km, n12, 0e34/11, mb4.5/10, Southern Sumatra

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

IDC 29 16:18:16.2, 1.6, 8.99S, 123.23E, mb4.1/2, mb1 4.1/5, mb1mx3.9/11, ML3.8/3, Error ellipse: s-maj=131.0km s-min=24.3km az=60.0

ISC 29 16:18:30.1, 2.0, 9.95S, 0.1, 123.0E, 0.1, h170km, 23km, n9, 0e83/16, mb3.9/2, Timor region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FITZ, WRA, etc.

IDC 29 16:41:13.4, 3.1, 32.38S, 178.12W, mb3.8/2, mb1 4.1/3, mb1mx3.8/14, ML3.3/1, Error ellipse: s-maj=70.6km s-min=36.6km az=116.0

ISC 29 16:41:16.9, 5.6, 32.5S, 0.2-178.2W, 0.8, h33km, n5, 0e115/5, mb3.7/2, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like URZ, WRA, etc.

IDC 29 17:11:31.0, 3.5, 3.36S, 140.00E, mb3.3/3, mb1 3.6/4, mb1mx3.5/10, ML3.5/1, Error ellipse: s-maj=110.0km s-min=28.1km az=93.0

ISC 29 17:11:35.9, 2.4, 3.45S, 0.2-139.5E, 0.4, h33km, n6, 0e154/6, mb3.2/1, Irian Jaya

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KAKA, WRA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FITZ, ASAR, MKAR, etc.

IDC 29 17:14:13.8, 1.7, 1.84N, 126.22E, mb3.7/4, mb1 3.9/4, mb1mx3.7/12, Error ellipse: s-maj=154.0km s-min=22.4km az=55.0, Northern Iroloca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA, ASAR, STKA, etc.

IDC 29 17:28:34.9, 3.2, 32.37S x 178.20W, mb3.7/2, mb1 4.0/3, mb1mx3.8/14, ML3.6/1, Error ellipse: s-maj=72.3km s-min=37.2km az=113.0

ISC 29 17:28:30.9, 5.6, 32.6S, 0.3, 177.2W, 0.8, h33km, n5, 0e43/5, mb3.6/2, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like URZ, ASAR, WRA, etc.

IGQ 29 17:30:22.9, 2.04S, 78.90W, h12km, 4km, mb4.0, 2C-4D, Error ellipse: s-maj=7.2km s-min=3.8km az=1.2, Ecuador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IGUA, PATA, etc.

BJJ 29 17:45:08.2, 2.0, 02S, 177.35W, h517km, mb4.5, mb4.6 IDC 29 17:45:08.2, 1.2, 19.92S, 177.77W, h490km, 12km, mb4.0/19, mb1 4.2/20, mb1mx4.2/21, Error ellipse: s-maj=16.6km s-min=10.1km az=141.0

SYO 29 17:45:09.1, 19.90S, 177.82W, h497km, MB4.4 NEIC 29 17:45:09.2, 1.1, 19.90S, 177.82W, h497km, 12km, mb4.4/27, Error ellipse: s-maj=7.7km s-min=5.1km az=145.0

ISC 29 17:45:07.6, 1.5, 19.92S, 0.06, 177.88W, 0.06, h490km, 17km, n154, 0e96/97, mb4.4/43, 7C-8D, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OUZ, RAR, etc.

ISC 29 17:45:07.6, 1.5, 19.92S, 0.06, 177.88W, 0.06, h490km, 17km, n154, 0e96/97, mb4.4/43, 7C-8D, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like URZ, ASAR, WRA, etc.

ISC 29 17:45:07.6, 1.5, 19.92S, 0.06, 177.88W, 0.06, h490km, 17km, n154, 0e96/97, mb4.4/43, 7C-8D, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA, WRA, etc.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KK31, AB31, MK31, VOSK, BVAO, BVAR, BRVK, CHKZ, NOA, YKA.

CASC 29 19:55:22.1.9, 13.63N.91.45W, h72km, 65km, MD3.8, ML3.8, 3C-1D, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include FUG, IXG, PCG, CUSS, RTR, RBLD, SBL, SNJE, LFRS, LCRS, SNVI.

NEIC 29:20:00:43.0:6.0, 45.25N-106.88W, mb4.6/1, ML3.4, Error ellipse: s-maj=9.8km s-min=8.8km az=169.0, 3.9/3,

NEIC 50 [30 miles] N of Sheridan. IDC 29:20:00:43.4:1.0, 44.98N-106.92W, mb1.3/3, mb1mx3.6/17, ML3.7/3, Error ellipse: s-maj=29.9km s-min=7.9km az=132.0

ISC 29:20:00:42.3:0.7, 45.11N-106.1065W, 0.07, n14, r154/24, Montana

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include RSSD, LWKY, PDAR, BWA0, QLMT, BOZ, CHMT, HWUT, ISCO, WALA, ULM, WUJZ, YKA, LRAL.

IDC 29:20:03:23.6:20.0, 21.57S-179.15W, h457km, 195km, mb3.3/5, mb1.3.5/5, mb1mx3.1/3, Error ellipse: s-maj=118.0km s-min=92.7km az=77.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include STKA, ASAR, WBR, FITZ, BVAR, GERES.

CASC 29:20:04:59.5:1.5, 14.10N-90.96W, h113km, 16km, MD3.6, ML3.4, Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include IXG, RBLD, SBL, SNJE, LFRS.

IDC 29:20:10:45.1:1.0, 33.80N-89.23E, mb3.6/6, mb1.3/9, mb1mx3.7/17, ML3.1/2, MS3.1/3, Ms1.3/2/3, ms1mx2.9/27, Error ellipse: s-maj=58.6km s-min=18.5km az=54.0

NEIC 29:20:10:46.3:0.7, 33.89N-89.27E, h10km, Error ellipse: s-maj=47.1km s-min=11.7km az=59.0

ISC 29:20:10:47.9:0.7, 33.96N-0.07-89.3E, 2.1, h33km, n17, r154/16, mb3.6/6, MS3.2/2, Xizang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include LSA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include GUN, KKN, GKN, PKI, DMK, CMAR, BVAR, TGy, NB2, NOA, GERS, WRA, ASAR, ILAR.

IDC 29:20:11:49.5:1.2, 4.15N-126.83E, mb3.8/7, mb1.3/9, mb1mx3.8/17, Error ellipse: s-maj=72.2km s-min=16.2km az=65.0

NEIC 29:20:11:57.0:5.7, 3.98N-126.61E, h48km, 53km, mb4.1/2, Error ellipse: s-maj=64.3km s-min=14.3km az=57.0

ISC 29:20:11:52.9:1.2, 4.1N-126.0, 126.7E-0.4, h33km, n12, r0572/12, mb3.9/8, Talau Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KAKA, FITZ, WRAB, WRA, WB2, AS12, ASAR, CMAR, STKA, MKAR, BVAR.

IDC 29:20:19:43.8:31.0, 21.03S-177.90W, mb3.7/4, mb1.3/9, mb1mx3.7/13, Error ellipse: s-maj=59.30km s-min=156.8km az=89.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include STKA, ASAR, WRA, FITZ.

IDC 29:20:30:29.5:0.9, 42.99N-88.56E, mb3.6/7, mb1.3/9/10, mb1mx3.8/19, ML3.7/3, Error ellipse: s-maj=42.8km s-min=15.5km az=51.0, Putative timing error at ZAL

NEIC 29:20:30:32.7:6.6, 43.04N-88.65E, h21km, 49km, mb4.2/2, Error ellipse: s-maj=35.4km s-min=16.7km az=64.0

BUI 29:20:30:34.4, 43.00N-88.27E, h19km, ML4.1, NNC 29:20:30:37.2, 1.4, 43.17N-88.09E, h33km, mpv4.2, Error ellipse: s-maj=18.8km s-min=8.5km az=67.0

ISC 29:20:30:29.0:6.43, 11.0, 188.5E-1.1, h10km, n24, r101/32, mb3.7/3, 16C, Northern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MK31, MKAR, MKAR, MKAR, MKAR, MKAR, KURK, KURK, KURK, KK31, VOSK.

CASC 29:20:04:59.5:1.5, 14.10N-90.96W, h113km, 16km, MD3.6, ML3.4, Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include VOSK, BVAO, BVAR, BVAR, BRVK, BRVK, CHKZ, CHKZ, AB31, CMAR, FINES, BILL, NB2, NOA.

IDC 29:21:14:02.0:2.0, 30.20S-178.77E, h611km, 195km, mb2.9/5, mb1.3/5, mb1mx3.0/12, Error ellipse: s-maj=159.0km s-min=91.4km az=85.0

ISC 29:21:13:59.5:5.3, 30.55S-178.9E, 0.8, h600km, n8, r0814/6, mb3.7/5, Kermaadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include CTA, STKA, ASAR, WBR, WRA, CMAR, BVAR, FINES, ARMA, CTA, CTA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ILAR, YKA, YKA, WRA, STKA.

IDC 29:21:05:8:8.0, 33.94N-135.95E, h186km, 90km, mb3.3/3, mb1.3/4, mb1mx3.1/21, Error ellipse: s-maj=115.0km s-min=22.1km az=79.0

JMA 29:20:31:1.2:2.0, 3.3, 24.26N-137.98E, h288km, 3km, M3.2, ISC 29:20:31:12.2:0.7, 34.3N, 1.0, 138.0E-0.1, h294km, 7km, n16, r0560/21, mb3.4/3, Near south coast of eastern Honk

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include JHM, HMM, HMM, JIE, JNY, JNY, JND, JOD, JEG, JGM, JGM, JHY, JHY, JHU, JHU, JHU, MAT, MAT, WRA, WRA, FINES.

GUC 29:20:44:05.9:0.7, 24.49S-69.92W, h47km, 3km, MD3.7, ML3.5, 2D, Northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include CPN1, ANCH, ANCH, LVC, LVC, CPCH.

THE 29:20:48:04.1, 39.50N-20.45E, h20km, NEIC 29:20:48:05.5, 39.50N-20.48E, h4km, MD2.9(ATH), After ATH.

ATH 29:20:48:05.5, 39.50N-20.48E, h4km, MD2.9/4, ISC 29:20:48:04.7:0.8, 39.53N-20.04:20.53E, 0.05, h20km, 11km, n11, r125/19, Greece-Albania border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include IGT, JAN, JAN, SAR, SRN, MEV, MEV, KEK, LSK, LSK, LEV, EVR, VLS, VLS, FNA, FNA, AGG.

IDC 29:20:50:32.9:19.0, 18.50S-174.65W, mb3.6/3, mb1.3/9/3, mb1mx3.6/14, Error ellipse: s-maj=485.0km s-min=85.4km az=37.0, Tonga Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include WRA, ASAR, VNSA.

DJA 29:21:09:31.6:1.3, 8.23S-115.79E, h10km, 10km, ML3.8/1, 1C-4D, Error ellipse: s-maj=37.8km s-min=10.3km az=164.0, Ball region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KEDI, KEDI, RATI, RATI, INGI.

IDC 29:21:14:02.0:2.0, 30.20S-178.77E, h611km, 195km, mb2.9/5, mb1.3/5, mb1mx3.0/12, Error ellipse: s-maj=159.0km s-min=91.4km az=85.0

ISC 29:21:13:59.5:5.3, 30.55S-178.9E, 0.8, h600km, n8, r0814/6, mb3.7/5, Kermaadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include CTA, STKA, ASAR, WBR, WRA, CMAR, BVAR, FINES.

NEIC 29:21:15:43.5:2.6, 17.13S-179.11W, h497km, 27km, mb4.3/3, Error ellipse: s-maj=34.7km s-min=13.4km az=151.0

IDC 29:21:54:47.2:3.1, 17.19S-179.22W, h543km, 27km, mb3.7/11, mb1.3/8/11, mb1mx3.7/16, Error ellipse: s-maj=55.8km s-min=10.4km az=152.0

ISC 29:21:15:46.6:2.5, 17.25S-0.4, 179.2W-2.0, h547km, 34km, n64, r0929/26, mb4.0/13, 2C-2D, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ARMA, CTA, CTA.

30d 1h

Table listing stations and their details. Headers include CTAO, Charters Tower, STKA, etc. Columns include Station Name, Azimuth, Phase ID, Time, Res, and other technical specifications.

TAP 29 21:52:44.2, 24.75N, 122.79E, h96km, 1km, ML2.9
JMA 29 21:52:45.4, 0.1, 24.62N, 122.75E, h92km, 1km, M2.0
ISC 29 21:52:45.7, 2.5, 24.6N, 0.3, 122.8E, 0.1, h91km, 1.7km, n6, c059/11, Taiwan region

Table listing stations and their details. Headers include Code, Station Name, Azimuth, Phase ID, Time, Res, and other technical specifications.

ISC 29 22:04:29.8, 4.7, 17.41S, 172.27W, mb3.9/4, mb1 4.2/4, mb1mx4.0/15, Error ellipse: s-maj=348.0km, s-min=25.5km az=151.0, Tonga Islands region

Table listing stations and their details. Headers include Code, Station Name, Azimuth, Phase ID, Time, Res, and other technical specifications.

ISC 29 22:57:25.9, 1.6, 49.68S, 119.66E, mb3.7/4, mb1 3.9/4, mb1mx3.8/8, MS3.7/1, Ms1 3.7/1, ms1mx3.2/11, Error

2004 MAR

ellipse: s-maj=70.0km s-min=29.0km az=89.0
ISC 29 22:57:26.0, 1.5, 49.7S, 0.2, 119.8E, 0.6, h10km, n6, c056/4.0, mb3.5/4, MS3.6/1, Western Indian-Antarctic Ridge

Table listing stations and their details. Headers include Code, Station Name, Azimuth, Phase ID, Time, Res, and other technical specifications.

ISC 29 23:02:57.0, 1.4, 50.04S, 119.96E, mb3.7/5, mb1 3.9/5, mb1mx3.8/8, MS3.8/7, Ms1 3.8/7, ms1mx3.7/15, Error ellipse: s-maj=53.4km s-min=27.7km az=94.0, c057/1.5, mb3.6/5, MS3.8/6, Western Indian-Antarctic Ridge

Table listing stations and their details. Headers include Code, Station Name, Azimuth, Phase ID, Time, Res, and other technical specifications.

ISC 29 23:08:08.9, 2.2, 31.5S, 0.2, 180.0E, 0.7, h431km, 4.2km, n13, c056/10, mb3.5/1, Kermadec Islands region

Table listing stations and their details. Headers include Code, Station Name, Azimuth, Phase ID, Time, Res, and other technical specifications.

ISC 29 23:57:45.4, 26.0, 21.44N, 143.08E, h517km, 326km, mb2.7/4, mb1 2.9/4, mb1mx2.6/19, Error ellipse: s-maj=76.0km s-min=44.1km az=42.0, Mariana Islands region

Table listing stations and their details. Headers include Code, Station Name, Azimuth, Phase ID, Time, Res, and other technical specifications.

ISC 30 00:02:32.3, 1.2, 0.54N, 122.68E, h134km, 11km, mb3.0/3, mb1 3.2/4, mb1mx3.1/15, Error ellipse: s-maj=114.0km, s-min=18.4km az=63.0, Minahasa Peninsula, Sulawesi

Table listing stations and their details. Headers include Code, Station Name, Azimuth, Phase ID, Time, Res, and other technical specifications.

NNC 30 00:03:34.3, 5.3, 40.30N, 75.31E, h30km, 26km, mpv2.9, Error ellipse: s-maj=47.2km s-min=8.3km az=171.0, c063/13, 2C-2D, Southern Xinjiang, Sulawesi

Table listing stations and their details. Headers include Code, Station Name, Azimuth, Phase ID, Time, Res, and other technical specifications.

632

8.7mm, 0.8s, baz=129, slow=32, SNR=5.7
MK31 Makanchi Array 9.39 29 P 00 05 34.4 -0.1
1.2mm, 0.9s, baz=208, slow=13, SNR=10.0

ISC 30 00:07:34.5, 3.6, 11.01S, 115.74E, mb3.5/2, mb1 3.5/4, mb1mx3.5/12, ML2.2/2, Error ellipse: s-maj=223.0km s-min=37.2km az=46.0, DJA 30 00:07:35.4, 0.9, 11.05S, 116.59E, h33km, MD.4.6/2, ML.4.8/3, Error ellipse: s-maj=26.2km s-min=18.0km az=61.0, ISC 30 00:07:38.2, 2.8, 10.8S, 0.1, 116.4E, 0.1, h26km, 24km, n8, c1501/14, mb3.5/2, 5C-3D, South of Sumbawa Islands

Table listing stations and their details. Headers include Code, Station Name, Azimuth, Phase ID, Time, Res, and other technical specifications.

ISC 30 00:58:35.7, 2.8, 2.2, 31N, 143.30E, h121km, 24km, mb3.5/6, mb1 3.7/7, mb1mx3.5/19, Error ellipse: s-maj=45.3km s-min=15.9km az=91.0, ISC 30 00:58:35.0, 2.7, 22.3N, 0.1, 143.2E, 0.4, h129km, 23km, n7, c089/8, mb3.5/6, Volcano Islands region

Table listing stations and their details. Headers include Code, Station Name, Azimuth, Phase ID, Time, Res, and other technical specifications.

NEIC 30 01:02:55.4, 0.4, 36.89N, 104.88W, h5km, MN3.0, Error ellipse: s-maj=7.1km s-min=5.0km az=103.0, ISC 30 01:02:55.1, 1.7, 37.03N, 104.67W, mb3.3/2, mb1 3.5/4, mb1mx3.4/17, ML3.2/2, Error ellipse: s-maj=73.5km s-min=11.2km az=73.0, ISC 30 01:02:53.8, 0.4, 36.94N, 0.0, 104.82W, 0.06, h5km, n30, c116/34, mb3.1/2, New Mexico

Table listing stations and their details. Headers include Code, Station Name, Azimuth, Phase ID, Time, Res, and other technical specifications.

ISC 30 01:40:43.9, 5.4, 0, 18.29S, 177.62W, mb3.8/3, mb1 3.9/3, mb1mx3.6/13, Error ellipse: s-maj=1003.0km s-min=156.2km az=80.0, Fiji Islands region

Table listing stations and their details. Headers include Code, Station Name, Azimuth, Phase ID, Time, Res, and other technical specifications.

NEIC 30 01:48:09.7, 0.9, 32.28S, 177.89W, h10km, mb4.6/3, Error ellipse: s-maj=23.9km s-min=17.3km az=134.0, ISC 30 01:48:16.8, 0.8, 32.57S, 178.03W, h63km, 71km, mb4.0/5, mb1 4.1/6, mb1mx3.9/15, ML.4.1/1, MS3.8/4, Ms1 3.8/4, ms1mx3.5/22, Error ellipse: s-maj=56.3km s-min=34.0km az=7.0, ISC 30 01:48:20.5, 1.7, 32.41S, 0.0, 179.0W, 0.3, h50km, n25, c059/15, mb4.3/7, MS3.7/4, 1C-3D, South of Kermadec Islands

Table listing stations and their details. Headers include Code, Station Name, Azimuth, Phase ID, Time, Res, and other technical specifications.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like STKA Stephens Creek, CTA Charters Tower, CTA Kakadu, FITZ Fitzroy Crossi, etc.

IGQ 30:02:09:49.5, 1.015, 78.41W, h3km, mb4.2, 12C-9D, Error ellipse: s-maj=1.0km s-min=0.5km az=6.9, Ecuador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PISA Pisayambo, MARY Rancho Maria, VC1 Cotopaxi I, etc.

IGQ 30:02:12:48.7, 2.2, 48.21N, 146.20E, h459km, 33km, mb2.9, mb1.3, 2.9, mb1mx3.0/20, Error ellipse: s-maj=39.8km s-min=18.8km az=6.0

NEIC 30:02:12:49.0, 0.7, 48.51N, 146.24E, h458km, 17km, Error ellipse: s-maj=39.6km s-min=12.5km az=186.0

ISC 30:02:12:48.3, 1.0, 48.3N, 0.3, 146.1E, 0.2, h469km, 23km, n17, c0583/16, mb3.29, Sea of Okhotsk

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YSS Uzh-Sakhalins, ASAJ Azshikawa, RSO Redoubt South, etc.

IGQ 30:02:16:04.8, 3.3, 5.66S, 129.97E, h449km, 48km, mb3.0/2, mb1.3, 0.4, mb1mx2.9/11, Error ellipse: s-maj=179.0km s-min=13.8km az=71.0

ISC 30:02:16:03.4, 1.7, 6.8S, 0.2, 127.2E, 0.2, h408km, 18km, n8, c1505/12, mb3.4/2, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KAKA Kakadu, FITZ Fitzroy Crossi, WRA Warrungarra Arr, etc.

NEIC 30:02:23:37.9, 0.4, 36.88N, 104.83W, h5km, MN3.1, Error ellipse: s-maj=6.9km s-min=5.0km az=88.0

ISC 30:02:23:37.4, 1.6, 36.94N, 105.01W, mb2.8/1, mb1.3/1.3

mb1mx3.0/16, ML3.3/2, Error ellipse: s-maj=78.9km s-min=10.9km az=72.0

ISC 30:02:23:36.0, 0.4, 36.94N, 0.03, 104.73W, 0.05, h5km, n22, c1505/33, mb2.8/1, New Mexico

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SDCO Great Sand Dun, ANMO Albuquerque, ISCO Idaho Springs, etc.

ISC 30:02:30:11.2, 2.07, 3.48S, 105.20E, h393km, 31.4km, mb2.95, mb1.3, 0.5, mb1mx2.9/14, Error ellipse: s-maj=211.0km s-min=33.2km az=59.0, Southern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warrungarra Arr, ASAR Alice Springs, etc.

NEIC 30:02:41:04.2, 0.3, 37.04N, 104.93W, h5km, MN3.5, Error ellipse: s-maj=5.4km s-min=4.3km az=69.0

ISC 30:02:41:06.0, 1.1, 36.79N, 105.42W, mb3.3/2, mb1.3, 3.6/5, mb1mx3.5/18, ML3.4/3, MS3.0/2, Ms1 3.0/2, ms1mx2.6/17, Error ellipse: s-maj=29.6km s-min=10.0km az=68.0

ISC 30:02:41:02.1, 0.4, 37.14N, 0.02, 104.95W, 0.04, h5km, n43, c126/64, mb3.1/2, MS2.9/1, Colorado

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SDCO Great Sand Dun, ANMO Albuquerque, ISCO Idaho Springs, etc.

NIED 30:03:04:00.35, 50N, 135.60E, h380km, Mw4.3, Best double couple: M3.64x10^15 NP1, 78°, 86°, x-52°. NP2, 200°, 846°, x-137°

BUI 30:03:04:48.5, 35.64N, 135.82E, h387km, mb4.4, mb4.5, JMA 30:03:04:49.0, 35.52N, 135.91E, h354km, 1km, M4.2

SYO 30:03:04:49.6, 35.46N, 135.56E, h362km, MB4.1, NEIC 30:03:04:49.6, 0.5, 35.46N, 135.56E, h362km, 4km, mb4.1/16, Error ellipse: s-maj=7.4km s-min=6.5km az=95.0

ISC 30:03:04:50.9, 0.9, 35.47N, 135.54E, h371km, 10km, mb3.0/19, mb1.3, 7.7/23, mb1mx3.7/28, Error ellipse: s-maj=12.1km s-min=10.5km az=83.0

ISC 30:03:04:48.5, 0.3, 35.45N, 0.05, 135.58E, 0.06, h363km, 2km, n74, c085/83, mb4.0/32, 1C-2D, Western Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SDCO Great Sand Dun, ANMO Albuquerque, ISCO Idaho Springs, etc.

ILAR Eielson Array 37.06 332 P P 02 48 20.4 +5.9 0.6m, 0.9s, mb4.2, baz=144, slow=6.8, SNR=6.7

ISC 30:02:42:22.6, 1.2, 5.58S, 150.91E, h23km, 5km, mb3.5/7, mb1.3, 9/8, mb1mx3.8/14, ML3.7/1, MS3.0/1, Ms1 3.0/1, ms1mx2.8/22, Error ellipse: s-maj=60.9km s-min=19.1km az=131.0

NEIC 30:02:27:0.9, 0.9, 5.67S, 150.79E, h69km, 10km, mb4.1/3, Error ellipse: s-maj=36.3km s-min=7.5km az=134.0

ISC 30:02:42:26.6, 1.3, 5.65S, 0.2, 150.6E, 0.2, h67km, 14km, n16, c0562/16, mb3.5/8, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ILAR Eielson Array, IDC 30:02:42:22.6, NEIC 30:02:27:0.9, etc.

IGQ 30:03:02:09.7, 1.015, 78.41W, h2km, mb4.0, 11C-9D, Error ellipse: s-maj=1.0km s-min=0.4km az=5.6, Ecuador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PISA Pisayambo, MARY Rancho Maria, VC1 Cotopaxi I, etc.

NIED 30:03:04:00.35, 50N, 135.60E, h380km, Mw4.3, Best double couple: M3.64x10^15 NP1, 78°, 86°, x-52°. NP2, 200°, 846°, x-137°

BUI 30:03:04:48.5, 35.64N, 135.82E, h387km, mb4.4, mb4.5, JMA 30:03:04:49.0, 35.52N, 135.91E, h354km, 1km, M4.2

SYO 30:03:04:49.6, 35.46N, 135.56E, h362km, MB4.1, NEIC 30:03:04:49.6, 0.5, 35.46N, 135.56E, h362km, 4km, mb4.1/16, Error ellipse: s-maj=7.4km s-min=6.5km az=95.0

ISC 30:03:04:50.9, 0.9, 35.47N, 135.54E, h371km, 10km, mb3.0/19, mb1.3, 7.7/23, mb1mx3.7/28, Error ellipse: s-maj=12.1km s-min=10.5km az=83.0

ISC 30:03:04:48.5, 0.3, 35.45N, 0.05, 135.58E, 0.06, h363km, 2km, n74, c085/83, mb4.0/32, 1C-2D, Western Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JWT Wachi, JWA Wadati, JKY Yasaka, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MA2 Magadan, TIXI Tiksi, BILL Bilibino, MKAR Makanchi Array, etc.

30d 03:03:05:48.21.0.60.24S:44.85W, mb3.9/3, mb1.4/1.3, mb1mx3.9/10, MS3.6/4, Ms1 3.6/4, ms1mx3.5/10, Error ellipse: s-maj=57.3km s-min=27.9km az=70.0

NEIC 30 03:05:50.4.0.6.0.27S:45.20W, h10km, mb4.2/3, Error ellipse: s-maj=38.1km s-min=11.0km az=58.0

ISC 30 03:05:49.2.0.7.60.3S:0.1x45.3W.0.4, h10km, n21, o#811/1, mb4.0/6, MS3.6/4, AD, Scotia Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like VNA3 Neumayer Olymp, VNA1 Neumayer-Stat, VNA2 Neumayer-Watz, etc.

JAP 30 03:19:04.4.23.72N:122.01E, h14km, ML3.0
TMA 30 03:19:05.0.3.23.73N:122.04E, h48km, M2.5
ISC 30 03:19:04.5.2.3.23.6N:0.1x122.2E.0.1, h14km, n6, o#44/11, Taiwan region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JUI Tarama, JTTJ Tarama, NEIC 30 03:22:01.0.1.6.20.43S:178.29W, etc.

NEIC 30 03:22:01.0.1.6.20.43S:178.29W, h554km, 18km, mb4.6/15, Error ellipse: s-maj=12.4km s-min=8.2km az=154.0

ISC 30 03:22:01.2.2.2.20.43S:178.29W, h563km, 23km, mb3.9/13, mb1.4/1.15, mb1mx4.0/17, Error ellipse: s-maj=18.8km s-min=9.2km az=158.0

ISC 30 03:21:59.7.1.7.20.4S:0.1x178.35W.0.07, h547km, 22km, n106, o#81/43, mb4.4/26, 6C-1D, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like RAR Rarotonga, URZ Urewera, ARMA Armatide, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HGN Heimangroevre, KHC Kasperske Hory, GRA1 Grafenberg Arr, etc.

DJA 30 04:15:36.8.1.2.8.82S:116.05E, h15km, MD4.7/2, ML3.3/1, 4C-2D, Error ellipse: s-maj=33.1km s-min=8.4km az=137.0, Sumbawa region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KEDI Kedomdong, RATI Rata, RATI Rata, etc.

ISC 30 04:18:50.4.1.2.9.09S:124.03E, mb4.1/3, mb1.4/4/6, mb1mx4.2/12, ML4.3/3, MS3.6/2, Ms1 3.6/2, ms1mx2.8/18, Error ellipse: s-maj=101.0km s-min=19.7km az=53.0

NEIC 30 04:18:53.9.0.9.0.7S:124.22E, h25km, Error ellipse: s-maj=45.3km s-min=11.2km az=56.0

DJA 30 04:18:56.0.9.6.4.7S:118.8km, h33km, MD4.9/3, ML4.9/3, Error ellipse: s-maj=110.8km s-min=18.5km az=165.0

ISC 30 04:18:58.1.4.9.75S:0.09E, 123.73E.0.07, h112km, 20km, n17, o#13/26, mb3.9/3, 8C-1D, Timor region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KEDI Kedomdong, RATI Rata, RATI Rata, etc.

ISC 30 04:32:26.5.1.9.3.26N:127.68E, mb3.6/4, mb1.3/8/4, mb1mx3.7/15, MS3.4/1, Ms1 3.4/1, ms1mx2.8/19, Error ellipse: s-maj=145.0km s-min=24.2km az=66.0, Talau Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, DLW Darwin Arr, ASAR Alice Springs, etc.

ISC 30 04:52:2.1.6.9.62S:124.96E, mb3.9/2, mb1.4/2/5, mb1mx4.0/12, ML3.8/3, MS3.2/1, Ms1 3.2/1, ms1mx2.7/19, Error ellipse: s-maj=93.6km s-min=23.8km az=62.0

NEIC 30 04:35:04.2.3.0.1.20S:124.83E, h128km, 39km, Error ellipse: s-maj=26.8km s-min=23.6km az=185.0

ISC 30 04:35:01.1.1.9.10.25S:0.08E, 124.62E.0.09, h107km, 23km, n10, o#107/15, mb3.8/2, Timor region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, etc.

Table with columns: ASAR, LR, LR, 04 44 29.9. Includes stations like Chiang Mai Arr, MKAR Makanchi Array, and MKAR Makanchi Array.

NEIC 30 04:37:31.2, 0.5, 25.14N, 141.39E, h130km, Error ellipse: s-maj=30.5km s-min=12.3km az=97.0

JMA 30 04:37:36.3, 0.1, 25.29N, 140.94E, h140km, Error ellipse: s-maj=24.5km s-min=11.1km az=92.0

Main table for NEIC stations including Haha-jima-NKT, Chichi jima, Mitsune, Hachioji jima 2, Boso 1, Boso 2, etc.

ISC 30 04:42:16.9, 6.1, 38.84N, 140.53E, mb3.6/5, mb1 3.8/6, mb1mx3.6/7, ML4.1, MS3.7/2, Ms1 3.7/2, ms1mx2.8/22, Error ellipse: s-maj=39.0km s-min=8.5km az=11.0

ISC 30 04:42:22.1, 0.1, 39.39N, 140.78E, h5km, MD3.5, NEIC 30 04:42:22.1, 0.1, 39.39N, 140.74E, h10km, Error ellipse: s-maj=20.5km s-min=12.1km az=159.0

ISC 30 04:42:23.0, 0.5, 39.95N, 140.04E, 40E, 0.05, h5km, n5, 0.127/25, mb3.4/5, MS3.7/2, Turkey

Main table for ISC stations including Erzurum, BINGOL, Gumushane, Agri, Batman, Kars, Elazig, Besiri, Diyarbakir, Van, Malatya, Gani, MLR, Fines, etc.

ISC 30 04:50:27.3, 33.75N, 88.97E, h10km, mb4.2, ML3.8, NEIC 30 04:50:30.0, 0.5, 33.94N, 89.09E, h10km, mb3.7/2, Error ellipse: s-maj=19.4km s-min=9.4km az=57.0

ISC 30 04:50:35.5, 5.7, 34.07N, 89.38E, h49km, h49km, mb3.6/9, mb1 3.8/10, mb1mx3.6/18, ML3.9/1, MS3.6/2, Ms1 3.7/2, ms1mx3.0/21, Error ellipse: s-maj=39.4km s-min=16.0km az=50.0

ISC 30 04:50:32.1, 2.1, 33.96N, 10.89, 3E, 0.1, h35km, 22km, n21, 0.089/19, mb3.8/9, MS3.7/1, Xizang

Main table for ISC stations including Lha, Gumba, PKI, DMN, KOLN, SHL, CMAR, CMAR, ULN, BVK, AFJ, FINES, NB2, etc.

Table for NOA and GERES stations including NORSAR Array B, WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, STKA Stephens Creek, CPUP Ula Florida.

ISC 30 05:10:29.5, 2.0, 50.95N, 178.88E, mb3.5/8, mb1 3.8/9, mb1mx3.7/24, ML3.7/1, Error ellipse: s-maj=50.0km s-min=11.7km az=11.0

ISC 30 05:10:27.9, 5.8, 51.01N, 0.3, 178.7E, 0.2, h4km, 37km, n9, 0.068/10, mb3.5/8, RAT Islands

Main table for NOA stations including Attu Island-F, FX1 Eielson Array, INK Inuvik, DLBC Dease Lake, YKA Yellowknife Arr, PDAR Pinedale Array, BVAR Borovoye Array, TXAR Lajitas Array, etc.

WEL 30 05:14:04.9, 0.5, 35.08S, 178.08E, h153km, 15km, ML3.9/2, Error ellipse: s-maj=14.8km s-min=8.6km az=90.0, Off east coast of North Island

Main table for WEL stations including MATAKOA Point, PUKETTI, UREWERA, MATAWAI, NORTH Gisborne, KNZ Kokohu, BKZ Black Stump Fm, BFZ Birch Farm, MTW Mount Morrison, CAW Cannon Point, SNZ South Karori, QRZ Quartz Range, THZ Topohue.

ISC 30 05:28:10.9, 2.7, 9.52S, 118.33E, mb3.7/2, mb1 3.7/4, mb1mx3.6/13, ML3.3/2, Error ellipse: s-maj=22.0km s-min=2.9km az=23.0

NEIC 30 05:28:11.8, 0.8, 9.63S, 118.19E, h10km, Error ellipse: s-maj=39.0km s-min=8.5km az=214.0

DJA 30 05:28:16.8, 1.0, 10.11S, 117.68E, h10km, 36km, MD4.6/3, ML5.0/4, Error ellipse: s-maj=67.4km s-min=29.9km az=1.0

ISC 30 05:28:13.7, 1.0, 10.4S, 0.2, 117.7E, 0.2, h7km, 22km, n8, 0.191/13, mb3.6/1, 3C-4D, South of Sumbawa

Main table for ISC stations including KEDI, RATI, RATI, INGI, INGI, FITZ, FITZ, WRA, WRA, MKAR, etc.

ISC 30 05:51:40.0, 7.2, 19.58S, 169.39E, mb4.3/4, mb1 4.5/4, mb1mx4.2/11, Error ellipse: s-maj=156.0km s-min=42.3km az=34.0

ISC 30 05:51:38.2, 5.3, 19.0S, 0.6, 169.7E, 0.6, h33km, n7, 0.114/7, mb4.3/5, Vanuatu Islands

Main table for ISC stations including STKA, WB2, WRA, AS12, ASAR, KAKA, VANDA, etc.

NEIC 30 05:53:50.0, 15.96N, 93.65W, h168km, MD4.2(MEX), After MEX

MEX 30 05:53:50.0, 0.6, 15.96N, 93.65W, h168km, 28km, MD4.2, Near coast of Chiapas

Main table for MEX stations including SCX, COIG, CMIG, EVV, OXX, VHO, GQP, etc.

Table for GOP, RCP, KALP, TGY, TGY, WRA, ASAR, MKAR stations including Roxas, Kalibo, Tagaytay City, Warramunga Arr, Alice Springs, Makanchi Array.

NEIC 30 06:11:20.1, 19.29N, 64.42W, h25km, 31km, M3.8, 13C-5D, Virgin Islands

RSPR 30 06:12:07.5, 1.0, 29.29N, 64.42W, h25km, 31km, M3.8, 13C-5D, Virgin Islands

Main table for RSPR stations including Monte Pirata, Canovanas, Col San Antoni, Cerro la Pandu, Colonia Sabana, San Juan, Cerrillos, Arcobio Observ, Arcobio Observ, Obispo Ponce, Isla Caja Muer, Portuguese, Lares, Las Mesas, Maguayo, Maguayo.

ISC 30 06:12:44.8, 2.1, 34.22N, 89.36E, mb3.5/3, mb1 3.6/5, mb1mx3.4/7, ML3.6/2, Error ellipse: s-maj=81.2km s-min=30.5km az=57.0

ISC 30 06:12:47.5, 1.3, 34.22N, 0.3, 89.3E, 0.6, h33km, n5, 0.167/5, mb3.5/3, Xizang

Main table for ISC stations including MKAR, CMAR, BVAR, NOA, ILAR, etc.

ISC 30 06:16:28.0, 1.1, 0.53N, 121.84E, mb3.8/5, mb1 3.9/5, mb1mx3.9/15, Error ellipse: s-maj=189.0km s-min=19.3km az=61.0, Minahasa Peninsula, Sulawesi

Main table for ISC stations including WRA, STKA, MKAR, BVAR, etc.

BJJ 30 06:51:28.8, 35.83N, 99.51E, h21km, mb4.1, ML3.9, Ms3.3, Ms2.3, Qinghai

KNET 30 07:05:17.3, 0.4, 43.52N, 75.38E, h8km, 2km, m1, 1.8, Error ellipse: s-maj=2.7km s-min=1.4km az=21.0

NINC 30 07:05:19.2, 3.6, 44.04N, 75.48E, mpv3.1, Error ellipse: s-maj=123.0km s-min=19.9km az=157.0

ISC 30 07:05:16.1, 0.7, 43.61N, 0.05, 75.46E, 0.06, h8km, n13, 0.094/20, 12C-6D, Lake Issyk-Kul region

Main table for ISC stations including TKM2, USP, CHMS, CHMS, KBK, AAK, ULHL, KZA, UCH, EKS2, EKS2, AML, KK31, MK31, KURK, etc.

ISC 30 07:25:18.2, 4.1, 2.70S, 140.81E, mb3.4/2, mb1 3.7/3, mb1mx3.6/11, ML3.5/1, Error ellipse: s-maj=146.0km s-min=31.3km az=89.0, Near north coast of Irian Jaya

Main table for ISC stations including WB2, WRA, ASAR, MKAR, etc.

30d 9h

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time Res, Res h m s ISC. Rows include PGP Puerto Galera, TGY Tagaytay City, LP Lukban, etc.

BUIJ 30 07:51:17.5, 33.89N-89.25E, h13km, mb4.7, mb4.3, ML4.5, Ms4.5, Ms24.1

ICD 30 07:51:17.0, 7.0, 33.94N-89.31E, mb4.1/12, mb1.4/3/14, mb1mx3.2/19, ML3.6/2, MS3.9/12, Ms1.3.9/12, ms1mx3.8/20, Error ellipse: s-maj=34.0km s-min=15.1km az=50.0

NEIC 30 07:51:21.4, 2.5, 33.92N-89.06E, h23km, 19km, mb4.5/8, Error ellipse: s-maj=11.2km s-min=6.7km az=62.0

ISC 30 07:51:18.9, 0.3, 34.02N-0.0, 89.28E, 0.07, h13km, n55, c1523/51, mb4.3/17, MS4.0/10, Xizang

Main station list table for 30d 9h, containing codes, station names, coordinates, and times for stations like LSA Lhasa, GUN Gumba, KKN Kakani, etc.

ICD 30 07:53:19.9, 10.0, 40.64S-89.70W, mb3.6/9, mb1.4/0/4, mb1mx3.8/13, Error ellipse: s-maj=322.0km s-min=43.8km az=14.0, West Chile Rise

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time Res, Res h m s ISC. Rows include CPUI Villa Florida, TXAR Lajitas Array, NVAR Milna Array, etc.

2004 MAR

ICD 30 08:07:32.8, 0.9, 39.22N-24.23E, mb3.8/10, mb1.4/0/12, mb1mx3.9/19, ML3.9/2, Error ellipse: s-maj=22.1km s-min=12.9km az=89.0

THE 30 08:07:35.0, 39.28N-24.14E, h13km, ML4.2, SOT 30 08:07:34.7, 39.28N-24.34E, h2km, MD3.6, AFH 30 08:07:34.4, 39.28N-24.13E, h38km, mb4.1/1, ML4.2

NEIC 30 08:07:34.4, 39.28N-24.13E, h38km, mb4.1/1, MD3.9(ATH), After ATH

ISC 30 08:07:34.3, 0.4, 39.27N-0.0, 02.24, 11E, 0.02, h19km, 4km, n117, c1900/137, mb4.4/12, 21C-10D, Aegean Sea

Main station list table for 2004 MAR, containing codes, station names, coordinates, and times for stations like AOS Alonnissos, NEIC Neokhori, PAIG Paliouri, etc.

HFS Hagfors Array B 22.3 34 P 08 12 39.2 +0.2

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time Res, Res h m s ISC. Rows include FINES FINESS Array B, FINES NORSAR Subarray 22.2 34 P, etc.

636

Table with columns: KIC, LIC, MKAR, SCHO, SCHO, CMAR, YKA, YKA, ULM, TXAR. Rows include Kosan Boka, Lamto, Makanchi Array, etc.

HEL 30 08:37:26.0, 2.5, 61.44N-34.91E, ML2.1, ML2.3(NAO), Explosion

ICD 30 08:37:41.7, 2.5, 61.62N-34.27E, mb1.3/3/4, mb1mx3.1/17, ML2.8/4, Error ellipse: s-maj=23.5km s-min=12.6km az=134.0

NAO 30 08:37:44.2, 9.3, 61.78N-34.11E, h28km, 61km, ML2.3, ISC 30 08:37:44.8, 2.3, 62.12N-0.07, 33.0E, 0.3, n12, c1914/19, Baltic States - Belarus - Northwestern Russia

Main station list table for 636, containing codes, station names, coordinates, and times for stations like JOF Joensuu, KAF Kangasniemi, FIAO FINESS Array S, etc.

NEIC 30 08:48:48.7, 44.42N-6.78E, h9km, ML2.3(GEN), ML2.2(STR), ML2.1(LDG), After GEN

LDG 30 08:48:48.9, 0.1, 44.44N-6.78E, h2km, Md2 0/1, M2.1/6, Error ellipse: s-maj=1.7km s-min=0.9km az=71.0

STR 30 08:48:49.0, 0.3, 44.43N-6.80E, h5km, 1km, M2.2, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

ISC 30 08:48:49.0, 0.3, 44.43N-0.02, 6.77E, 0.03, h12km, 3km, n10, c0511/53, France

Main station list table for 636, containing codes, station names, coordinates, and times for stations like SURF Saint Ours, PRZZO Prazzo, MBDF Montbardon, etc.

ICD 30 09:05:38.6, 2.0, 3.04N-129.25E, mb3.5/5, mb1.3/7.5, mb1mx3.6/14, Error ellipse: s-maj=93.4km s-min=26.2km az=70.0

ISC 30 09:05:41.6, 1.8, 3.1N-0.3, 129.4E, 0.6, h33km, n6, c1910/6, mb3.4/5, North of Halmahera

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time Res, Res h m s ISC. Rows include LPL La Plagne, LMR La Moure, LMR, etc.

Table with columns: FITZ, WRA, WB2, ASAR, STKA, MKAR. Includes station names, times, and phases.

NEIC 30 09:13:26.3, 19.35N-64.46W, h25km, MD3.8(RSPR), After RSPR.

RSPR 30 09:13:26.3, 19.35N-64.46W, h25km, 31km, M3.8, 15C-1D, Virgin Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like MTP, CBYP, HUMP, CPD, CSB, SUG, SJG, CELP, AOPR, OBIP, ICM, PORP, MGP, MKAR.

IDC 30 09:34:20.2, 0.7, 14.02N-120.95E, h153km, 6km, mb3.1/3, mb1 3.4/3, mb1mx3.1/15, Error ellipse: s-maj=25.8km s-min=17.4km az=35.0

IDC 30 09:34:19.2, 1.0, 13.9N-0.2, 120.7E, 0.6, h156km, 10km, n6, c055/9, mb3.3/3, 1C, Mindoro

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like TGAY, PGP, WRA, ASAR, MKAR.

IDC 30 10:00:23.5, 2.2, 19.71S-173.39W, mb3.7/4, mb1 4.1/4, mb1mx3.8/14, Error ellipse: s-maj=135.0km s-min=27.5km az=154.0

IDC 30 10:00:27.0, 2.5, 19.8S-0.9, 173.5W-0.5, h33km, n4, c146/4, mb3.8/4, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like ASAR, WRA, TXAR, ILAR.

IDC 30 10:05:25.9, 4.3, 35.22N-71.85E, mb3.7/3, mb1 3.8/5, mb1mx3.5/16, ML3.4/2, Error ellipse: s-maj=85.8km s-min=42.2km az=145.0

NNC 30 10:05:53.5, 5.6, 37.22N-69.93E, mpv3.8, Error ellipse: s-maj=59.8km s-min=41.2km az=110.0

IDC 30 10:05:42.9, 1.4, 36.24N-0.07, 71.8E-0.2, h112km, 16km, n23, c1926/31, mb3.5/3, C, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like THN, DLH, AML, UCH, SDNR, KZA, EKS2, AAK, KK31, CHMS, TKM2, NDI, KOLN, MKAR, GKN, KKN, PKI, GUN, AB31, BVAR, ARCES, NOA, YKA.

IDC 30 10:08:49.5, 0.9, 10.56S-160.98E, mb4.1/9, mb1 4.3/11, mb1mx4.3/15, ML3.2/2, MS3.6/3, Ms1 3.6/3, ms1mx3.1/27, Error ellipse: s-maj=34.0km s-min=19.9km az=130.0

NEIC 30 10:08:55.3, 0.7, 10.67S-160.93E, h40km, mb4.2/5, Error ellipse: s-maj=23.3km s-min=13.0km az=130.0

ISC 30 10:08:52.9, 0.7, 10.7S, 0.1, 160.9E, 0.1, h33km, n18, c093/18, mb4.0/13, MS3.5/2, Bougainville - Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like PMG, CTA, ARMA, WRAB, WB2, WRA, STKA, STKA, KAKA, ASAR, ASAR, FITZ, VYND, CMAR, ULN, ILAR, MKAR, YKA.

IDC 30 10:18:50.3, 3.1, 25.69N-123.46E, h197km, 30km, mb3.1/6, mb1 3.2/7, mb1mx3.2/19, Error ellipse: s-maj=32.1km s-min=15.7km az=72.0

NEIC 30 10:18:51.0, 1.0, 25.65N-123.37E, h204km, 7km, Error ellipse: s-maj=15.0km s-min=13.3km az=182.0

ISC 30 10:18:52.0, 0.3, 25.45N-123.28E, h187km, 5km, M3.6

JMA 30 10:18:49.9, 0.6, 25.52N-10.09, 123.32E-0.07, h205km, 6km, n20, c1907/31, mb3.1/6, Northeast of Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like YJOY, IRIF, JIJ, JKRS, HATJ, HATJ, JTO, JTO, JMJ, JOGS, JOGS, JKE, JKE, JIH, JIH, JOW, JOW, MKAR, WRA, ASAR, FINES, NOA, YKA.

IDC 30 10:34:01.0, 1.0, 13.47N-145.03E, mb3.9/9, mb1 4.2/9, mb1mx4.0/18, MS3.5/2, Ms1 3.6/2, ms1mx2.7/26, Error ellipse: s-maj=33.0km s-min=25.5km az=129.0

NEIC 30 10:34:10.2, 1.2, 13.40N-144.95E, h70km, 9km, Error ellipse: s-maj=29.9km s-min=22.0km az=121.0

ISC 30 10:34:09.7, 1.2, 13.4N-0.2, 144.9E-0.2, h80km, 6km, n11, c093/11, mb3.8/9, Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like GUMO, WRA, CMAR, CMAR, MKAR, ILAR, BVAR, YKA, SPITS, SPITS, NVAR, FINES, PDAR.

NEIC 30 10:36:01.0, 1.8, 10.04S-113.21E, Error ellipse: s-maj=75.8km s-min=14.9km az=45.0

IDC 30 10:36:01.5, 1.6, 9.71S-113.32E, h34km, 8km, mb3.4/5, mb1 3.7/6, mb1mx3.6/12, ML3.2/1, Error ellipse: s-maj=85.2km s-min=15.3km az=48.0

DJA 30 10:36:03.1, 0.9, 9.73S-113.65E, h21km, 5km, MD4.9/4, ML4.7/4, Error ellipse: s-maj=19.6km s-min=16.8km az=5.0

ISC 30 10:36:01.8, 1.0, 9.65S-107.7, 113.65E-0.08, h40km, n14, c1932/19, mb3.6/5, 4C-5D, South of Jawa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like KELI, INGI, INGI, RATI, RATI, KEDI.

Table with columns: KEDI, FITZ, WRA, WRA, ASAR, CMAR, CMAR, STKA, RAB, MKAR, MKAR. Includes station names, times, and phases.

IDC 30 10:42:56.6, 2.1, 5.37S-152.45E, mb3.4/3, mb1 3.7/4, mb1mx3.6/13, ML2.5/1, Error ellipse: s-maj=149.0km s-min=24.9km az=129.0, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like PMG, PMG, WRA, ASAR, ILAR.

HEL 30 10:44:27.9, 0.0, 63.11N-27.74E, ML1.8, Explosion

IDC 30 10:44:27.5, 1.4, 63.08N-27.88E, mb1 3.1/3, mb1mx2.9/15, ML2.7/3, Error ellipse: s-maj=16.7km s-min=5.6km az=102.0

ISC 30 10:44:25.7-0.6, 63.13N-0.03, 27.72E-0.08, n12, c1940/22, Finland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like SUF, SUF, KJN, KJN, KAF, KAF, JOF, JOF, FIAO, FIAO, FINES, FINES, FINES, FINES, VAF, VAF, PVF, PVF, KTKI, KTKI, ARCES, ARCES, HFS, HFS, HFS, HFS, NOA, NOA, NOA, NOA.

SYO 30 11:31:42.9, 50.02S-114.32E, h10km, MB4.8

NEIC 30 11:31:42.9, 0.3, 50.02S-114.32E, h10km, mb4.8/8, Error ellipse: s-maj=15.4km s-min=6.7km az=115.0

IDC 30 11:31:42.9, 0.4, 49.86S-114.58E, mb4.6/6, mb1 4.8/7, mb1mx4.7/9, ML2.9/1, MS4.1/1, Ms1 4.1/13, ms1mx4.0/18, Error ellipse: s-maj=36.1km s-min=20.2km az=111.0

BUI 30 11:31:43.5, 50.05S-115.15E, h14km, mb5.3, mb5.1, MS5.2, MSz4.7

ISC 30 11:31:41.0, 4.0, 50.00S-0.06, 114.3E-0.1, h10km, (h14km, 5km, p-P), n87, c1909/48, mb4.8/17, MS4.1/13, 1C-8D, Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like NWAO, NWAO, FORT, FORT, ADE, ADE, TAU, TAU, STKA, STKA, STKA, STKA, ASAR, ASAR, ASAR, ASAR, MAW, MAW, VYND, VYND, FITZ, FITZ, SBA, SBA, WRA, WRA, WRA, WRA, ARMA, ARMA.

2004 MAR

30d 13hrs
CTA Charters Tower 39.17 52 LR LR 11 54 53.5
comp=Z,426m,18.9s,MS4.3,baz=210,slow=36

CTA Charters Tower 39.17 52 LR P 11 39 10.5 -0.2
CTAO Charters Tower 39.17 52 LR P
CTAO comp=Z,510nm,19.0s,MS4.4
SYO Syowa Base 39.28 213 iJ P 11 39 10.6 -0.6

comp=Z,170nm,18.3s,MS3.7,baz=210,slow=33
CTA Charters Tower 37.33 26 P P 11 54 52.5 +0.5
CTA Fitzroy Crossi 32.51 349 P P 11 54 52.5 +0.5

FITZ Fitzroy Crossi 32.51 349 P P 11 54 52.5 +0.5
3.7nm,1.1s,mb4.2,baz=233,slow=6.9,SNR=3.1
FITZ comp=Z,142nm,19.9s,MS3.7,baz=171,slow=36
URZ Urewera 34.18 67 LR LR 12 06 47.3

IDC 30 11:54:46.9:6.3,0.665x179.09W,mb3.6/2,mb1 3.8/2,
mb1m3x3.6/1.1,Error ellipse: s-maj=248.0km
s-min=60.5km az=156.0,Kermadec Islands region

PMG Port Moresby 40.45 48 LR LR 12 00 00.0
comp=Z,172nm,20.4s,MS4.0,baz=87.7,slow=35
SNAA Sanae 50.83 201 iJ P 11 40 42.3 -0.8

ASAR Alice Springs 42.16 268 Op P 12 02 41.0 -1.9
0.4nm,0.5s,baz=108,slow=7.1,SNR=6.3
WRA Warrungunga Arr 43.17 273 P P 12 02 49.8 -1.5

USHA Ushuaia 75.51 178 LR LR 12 16 18.6
comp=Z,374nm,18.1s,MS4.7,baz=177,slow=35
JOW Jonkunijak 77.77 119 LR LR 12 20 46.9
SML Shillong 77.82 339 eP P 11 43 41.0 +0.9

IDC 30 11:55:21.4:4.6,6.55S:127.93E,h269km,40km,mb3.0/1,
mb1 3.3/4,mb1m3x3.1/1,Error ellipse: s-maj=74.6km
s-min=31.4km az=166.0, Banda Sea

NEIC 30 11:58:31.8:0.7,3.42N:122.68E,h555km,mb4.7/4,Error
ellipse: s-maj=30.8km s-min=13.1km az=68.0

TROA Torquinet 95.25 183 P P 11 44 49.1 -2.9
CNAZ Changchun 93.93 8 eP P 11 45 03.0 +3.4
WUAZ Wupuki 144.08 96 ePKPdf PKPdf 11 51 17.8 -1.7

IDC 30 11:58:33.1:1.5,3.37N:122.78E,h566km,17km,mb3.6/10,
mb1 3.6/10,mb1m3x3.4/18,Error ellipse: s-maj=27.2km
s-min=8.9km az=69.0

ISIC 30 11:58:31.4:2.1,3.38N:102.10E,h122.7E:0.2,h567km,30km,
n19,e095E22,mb4.3/11,2C-2D,Celebes Sea

DJA 30 11:48:20.9:1.3,50.36S:131.61E,mb4.1/6,mb1.4/3,7,
mb1mx4.2/10,ML4.1/1,MS3.8/9,ms1 3.8/9,sm1mx3.7/12,
Error ellipse: s-maj=56.6km s-min=23.6km az=90.0

ISIC 30 11:58:31.4:2.1,3.38N:102.10E,h122.7E:0.2,h567km,30km,
n19,e095E22,mb4.3/11,2C-2D,Celebes Sea

ISIC 30 11:58:31.4:2.1,3.38N:102.10E,h122.7E:0.2,h567km,30km,
n19,e095E22,mb4.3/11,2C-2D,Celebes Sea

INGI Ingas 0.96 261 iJ P 11 40 04.1 +0.2
INGI Ingas 0.96 261 iJ P 11 39 53.0 0.0
INGI Ingas 0.96 261 iJ P 11 40 04.1 +0.2
KELI Kelakatan 1.66 286 iJ P 11 40 21.9 +0.1

ISIC 30 11:58:31.4:2.1,3.38N:102.10E,h122.7E:0.2,h567km,30km,
n19,e095E22,mb4.3/11,2C-2D,Celebes Sea

ISIC 30 11:58:31.4:2.1,3.38N:102.10E,h122.7E:0.2,h567km,30km,
n19,e095E22,mb4.3/11,2C-2D,Celebes Sea

ISIC 30 11:58:31.4:2.1,3.38N:102.10E,h122.7E:0.2,h567km,30km,
n19,e095E22,mb4.3/11,2C-2D,Celebes Sea

KEDJ Kedondong 0.19 2j ePn Op ISC h m s ISC 11 39 48.4 0.0
RATI Rata 0.57 265 iJ ePn P 11 40 00.4 -0.1
RATI Rata 0.57 265 iJ ePn P 11 39 50.2 -0.1

ISIC 30 11:58:31.4:2.1,3.38N:102.10E,h122.7E:0.2,h567km,30km,
n19,e095E22,mb4.3/11,2C-2D,Celebes Sea

ISIC 30 11:58:31.4:2.1,3.38N:102.10E,h122.7E:0.2,h567km,30km,
n19,e095E22,mb4.3/11,2C-2D,Celebes Sea

ISIC 30 11:58:31.4:2.1,3.38N:102.10E,h122.7E:0.2,h567km,30km,
n19,e095E22,mb4.3/11,2C-2D,Celebes Sea

ISIC 30 11:58:31.4:2.1,3.38N:102.10E,h122.7E:0.2,h567km,30km,
n19,e095E22,mb4.3/11,2C-2D,Celebes Sea

TOO Toolangi 16.15 43 Op P 11 52 16.9 +7.8
FORT Forrest 19.72 351 eP P 11 52 52.2 -0.8
STKA Stephens Creek 19.87 26 P P 11 52 55.1 +0.4

ISIC 30 11:58:31.4:2.1,3.38N:102.10E,h122.7E:0.2,h567km,30km,
n19,e095E22,mb4.3/11,2C-2D,Celebes Sea

ISIC 30 11:58:31.4:2.1,3.38N:102.10E,h122.7E:0.2,h567km,30km,
n19,e095E22,mb4.3/11,2C-2D,Celebes Sea

ISIC 30 11:58:31.4:2.1,3.38N:102.10E,h122.7E:0.2,h567km,30km,
n19,e095E22,mb4.3/11,2C-2D,Celebes Sea

ISIC 30 11:58:31.4:2.1,3.38N:102.10E,h122.7E:0.2,h567km,30km,
n19,e095E22,mb4.3/11,2C-2D,Celebes Sea

ISIC 30 11:58:31.4:2.1,3.38N:102.10E,h122.7E:0.2,h567km,30km,
n19,e095E22,mb4.3/11,2C-2D,Celebes Sea

ISIC 30 11:58:31.4:2.1,3.38N:102.10E,h122.7E:0.2,h567km,30km,
n19,e095E22,mb4.3/11,2C-2D,Celebes Sea

ISIC 30 11:58:31.4:2.1,3.38N:102.10E,h122.7E:0.2,h567km,30km,
n19,e095E22,mb4.3/11,2C-2D,Celebes Sea

ISIC 30 11:58:31.4:2.1,3.38N:102.10E,h122.7E:0.2,h567km,30km,
n19,e095E22,mb4.3/11,2C-2D,Celebes Sea

ISIC 30 11:58:31.4:2.1,3.38N:102.10E,h122.7E:0.2,h567km,30km,
n19,e095E22,mb4.3/11,2C-2D,Celebes Sea

PET Petrovavolok 1.80 33 eP P 13 10 45.0 +0.1
UGLR Uglovaya 2.01 33 iP P 13 10 48.7 +1.3

KOK Koryaka 2.02 29 eP S 13 10 49.0 +1.4
KOK Koryaka 2.02 29 eP S 13 10 49.0 +1.4
AVH Avacha 2.03 30 eP S 13 10 49.9 +1.2
SMAR Somma 2.05 31 eP S 13 10 49.9 +1.4

IDC 30 13:16:42.7:3.2,32.26E:178.26W,mb3.6/2,mb1 3.9/3,
mb1m3x3.7/14,ML3.3/1,Error ellipse: s-maj=73.9km
s-min=47.3km az=118.0,South of Kermadec Islands

URZ Urewera 7.08 211 P Pn 13 12 26.5 -3.7
0.6nm,0.3s,baz=151,slow=17,SNR=6.3
URZ Alice Springs 42.82 269 Sn 13 12 42.6 -1.0

ASAR 0.7nm,0.8s,baz=107,slow=6.9,SNR=4.8
WRA Warrungunga Arr 43.98 274 P P 13 24 51.4 -2.2

WRA 1.3nm,0.6s,baz=115,slow=7.6,SNR=16
FINES FINESS Array B 146.80 339 P P Pcb PKPbc 13 36 25.3 -0.3

KISR 30 13:31:54.7:0.6,29.56N:52.33E,h98km,999km,ML4.1
BUJ 30 13:31:55.7,29.64N:51.03E,h69km,mb4.8
IDL 30 13:32:02.3:4.2,29.57N:51.96E,h61km,39km,mb3.9/15,

NEIC 30 13:32:03.1:2.9,29.57N:51.94E,h70km,28km,Error
ellipse: s-maj=20.4km s-min=12.8km az=188.0

THR 30 13:32:08.4:0.3,30.24N:51.33E,h15km,MD4.0
ISIC 30 13:31:53.3:1.8,29.37N:50.05E,10E:0.4,h6km,12km,
n62,e104/65,mb4.3/21,MS3.7/8,1C,Southern Iran

AI-Qurain 3.71 261 Op Pn ISC h m s ISC 13 32 54.1 +1.7
Umm Al-Rimman 3.82 274 eP Pn 13 32 55.1 +1.1
KABD Kabd 3.85 268 eP Pn 13 32 55.7 +1.3

HAQS Haql 15.90 273 P P 13 35 28.3 +0.7
AVT Avtonos 17.07 308 eP P 13 35 55.3 +1.2
CTKT Corum 18.05 313 iP P 13 36 07.0 +0.7

YOH Yonaguni jima 0.54 22 Op P Sb 12 28 09.0 +0.1
HATJ Hateruma jima 0.93 84 P Sb 12 28 15.1 -0.5
IRITJ Iriomote-Funau 0.94 66 P P Sb 12 28 25.9 -0.6

PAU Pauzhetka 0.15 244 iJ P S 13 10 31.7 +0.1
MIPR Malaya Ipel'ka 0.76 348 iP S 13 10 45.6 -0.6
ALID Alaid 1.14 235 eP S 13 10 39.9 +0.1

MLR Muntele Rosu 26.11 315 P P 13 37 30.3 +0.7
MLR Muntele Rosu 26.11 315 iJ P P 13 37 31.1 +1.6
BRVK Borovoye 27.18 24 eP P 13 37 39.3 0.0



Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like NOA, NORSAR Array B, ARCES, etc.

JMA 30 13:33:24.70.4.23.95N:122.79E, h3km, ML2.2
TAP 30 13:34:13.1.24.82N:121.93E, h0km, ML2.1
ISC 30 13:33:24.6.2.8, 23.93N.0.09:122.8E:0.1, h3km, n5,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like NOA, YOT, HATJ, etc.

MAN 30 13:35:06.5, 12.87N:124.62E, h22km, mb4.0, ML2.8, MS2.4
IDC 30 13:35:29.6:14.0, 12.08N:124.47E, h197km, mb3.0/4, mb1.3/2.4, mb1mx3.1/1.5, Error ellipse:
s-maj=247.0km s-min=19.3km az=63.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like MPMH, PLP, RCP, etc.

WAR 30 13:41:09.5, 51.54N:16.06E, ML2.7, Mining Induced
PRU 30 13:41:10.9, 51.52N:16.07E
ISC 30 13:41:09.2:0.2, 51.50N:0.08:16.01E:0.08, n8, e1:12/12,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like KSP, UPC, DPC, etc.

DJA 30 14:09:20.6:0.9, 8.59S:116.36E, h108km, g6km, MD5.0/4, ML3.9/2, Error ellipse: s-maj=32.0km s-min=16.0km az=173.0

ISC 30 14:09:21.1:2.7, 8.65S:0.3:116.3E:0.1, h105km, 14km, n4, e2:8/8, 3C-5D, Sumbawa region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like KEDI, RATI, RATI, etc.

IDC 30 14:18:08.4:12.0, 0.82N:124.74E, h100km, 116km, mb3.1/4, mb1.3/3.4, mb1mx3.2/1.2, Error ellipse:
s-maj=173.0km s-min=24.5km az=62.0, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like WRA, ASAR, ASAR, etc.

IDC 30 14:31:25.3:3.5, 13.51S:178.33W, mb4.1/5, mb1.4/3.5, mb1mx3.9/1.4, Error ellipse: s-maj=153.0km s-min=28.8km az=136.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like STKA, WRA, AS12, etc.

FITZ Fitzroy Crossi 53.57 257 P P 14 40 50.9 -0.1
ILAR Eielson Array 81.29 13 P P 14 43 44.9 0.0
BUJ 30 15:19:20.5, 30.20N:68.20E, h9km, mb4.9, mb4.7, Ms4.7, Ms2.3
NEIC 30 15:19:21.6:0.4, 29.84N:68.23E, mb4.7/22, MS4.2/1, Error ellipse: s-maj=10.5km s-min=6.5km az=198.0
NEIC Felt at Sibi.
NINC 30 15:19:26.7:1.7, 30.52N:68.55E, Error ellipse:
s-maj=23.2km s-min=20.7km az=97.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like QUE, OUE, OUE, etc.

comp=E, 770nm, 0.9s
BHJ Bhuj 6.55 169 eP Pn 15 20 56.2 -0.9
KHET Khetri 6.75 102 eS Pn 15 20 57.7 -1.2

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like KHET, THN, THN, etc.

MAN 30 13:35:06.5, 12.87N:124.62E, h22km, mb4.0, ML2.8, MS2.4
IDC 30 13:35:29.6:14.0, 12.08N:124.47E, h197km, mb3.0/4, mb1.3/2.4, mb1mx3.1/1.5, Error ellipse:
s-maj=247.0km s-min=19.3km az=63.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like MPMH, PLP, RCP, etc.

WAR 30 13:41:09.5, 51.54N:16.06E, ML2.7, Mining Induced
PRU 30 13:41:10.9, 51.52N:16.07E
ISC 30 13:41:09.2:0.2, 51.50N:0.08:16.01E:0.08, n8, e1:12/12,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like KSP, UPC, DPC, etc.

DJA 30 14:09:20.6:0.9, 8.59S:116.36E, h108km, g6km, MD5.0/4, ML3.9/2, Error ellipse: s-maj=32.0km s-min=16.0km az=173.0

ISC 30 14:09:21.1:2.7, 8.65S:0.3:116.3E:0.1, h105km, 14km, n4, e2:8/8, 3C-5D, Sumbawa region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like KEDI, RATI, RATI, etc.

IDC 30 14:18:08.4:12.0, 0.82N:124.74E, h100km, 116km, mb3.1/4, mb1.3/3.4, mb1mx3.2/1.2, Error ellipse:
s-maj=173.0km s-min=24.5km az=62.0, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like WRA, ASAR, ASAR, etc.

IDC 30 14:31:25.3:3.5, 13.51S:178.33W, mb4.1/5, mb1.4/3.5, mb1mx3.9/1.4, Error ellipse: s-maj=153.0km s-min=28.8km az=136.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like STKA, WRA, AS12, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like RDF, VIS, VIS, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like LSA, MK31, MKAR, etc.

ISC 30 15:19:21.0:0.9, 29.72N:0.03:68.33E:0.02, h18km, 7km, h16km, 9km; pp:P, n160, e1:143/179, mb4.5/47, MS4.2/18, 8C-9D, Pakistan

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like QUE, OUE, OUE, etc.

MAN 30 13:35:06.5, 12.87N:124.62E, h22km, mb4.0, ML2.8, MS2.4
IDC 30 13:35:29.6:14.0, 12.08N:124.47E, h197km, mb3.0/4, mb1.3/2.4, mb1mx3.1/1.5, Error ellipse:
s-maj=247.0km s-min=19.3km az=63.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like MPMH, PLP, RCP, etc.

WAR 30 13:41:09.5, 51.54N:16.06E, ML2.7, Mining Induced
PRU 30 13:41:10.9, 51.52N:16.07E
ISC 30 13:41:09.2:0.2, 51.50N:0.08:16.01E:0.08, n8, e1:12/12,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like KSP, UPC, DPC, etc.

DJA 30 14:09:20.6:0.9, 8.59S:116.36E, h108km, g6km, MD5.0/4, ML3.9/2, Error ellipse: s-maj=32.0km s-min=16.0km az=173.0

ISC 30 14:09:21.1:2.7, 8.65S:0.3:116.3E:0.1, h105km, 14km, n4, e2:8/8, 3C-5D, Sumbawa region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like KEDI, RATI, RATI, etc.

IDC 30 14:18:08.4:12.0, 0.82N:124.74E, h100km, 116km, mb3.1/4, mb1.3/3.4, mb1mx3.2/1.2, Error ellipse:
s-maj=173.0km s-min=24.5km az=62.0, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like WRA, ASAR, ASAR, etc.

IDC 30 14:31:25.3:3.5, 13.51S:178.33W, mb4.1/5, mb1.4/3.5, mb1mx3.9/1.4, Error ellipse: s-maj=153.0km s-min=28.8km az=136.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residuals. Includes stations like STKA, WRA, AS12, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Saint Martin, GRR, ETSF, ESDC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VLS, LKD, LKD, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSP, UPC, UPC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TRN, RSPR, IDC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MBGB, MBLG, MLYT, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CELP, OBIP, OBIP, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IDE, GRW, MASC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MASC, MOAC, MOAC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CLNB, CPXK, LVC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YMR, YMR, YMR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YKA, YKA, YKA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YKA, YKA, YKA, etc.



Table of astronomical observations for 30d 20h, listing stations like Alice Springs, ASAR, WB2, WRA, KAKA, FITZ, SNA, etc., with columns for station name, coordinates, and other data.

Table for IDL Atlantic Ridge, listing stations like Brastilia, BDFB, CPUP, etc., with columns for station name and coordinates.

Table with Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h m s ISC columns, listing various stations and their associated data.

Table with Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h m s ISC columns, listing various stations and their associated data.

Main table of astronomical observations for 2004 MAR, listing stations like HLID, YKA, YKA, YKA, etc., with columns for station name, coordinates, and other data.

Table with Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h m s ISC columns, listing various stations and their associated data.

Table with Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h m s ISC columns, listing various stations and their associated data.

Table with Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h m s ISC columns, listing various stations and their associated data.

Table with Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h m s ISC columns, listing various stations and their associated data.

Table with Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h m s ISC columns, listing various stations and their associated data.

Table with Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h m s ISC columns, listing various stations and their associated data.

FITZ	50.71 266 P	eS	P	20 16 47.7 -1.2
FITZ	165m0.7, rssi=5, baz=133, slovw=3.7, SNR=274	ScP	P	20 10 11.3 -0.6
FITZ	14nm, 0.9s, baz=137, slovw=5.9, SNR=4	ScP	P	20 11 47.1 -1.9
FITZ	11nm, 1.1s, baz=163, slovw=3.5, SNR=6.1	ScP	P	20 14 29.3
FITZ	1.9nm, 0.8s, baz=350, slovw=18, SNR=3.2	S	S	20 16 49.4 +0.5
SBA	Scotts Bay 53.71 183 eP	P	P	20 10 33.0 +0.2
VNDA	4nm, 0.6s, mb4.0, baz=360, slovw=8.1, SNR=31	ScP	P	20 10 33.2 +0.4
VNDA	5.5nm, 1.3s, baz=16, slovw=7.4, SNR=3.6	P	P	20 14 39.6
VNDA	53.71 183 eP	P	P	20 10 33.2 +0.4
VNDA	121nm, 0.8s, mb5.3	ScP	P	20 14 39.6
KLBR	Kellerberrin 54.67 248 eP	P	P	20 10 38.8 -1.3
NWAO	Narrogin (SRO) 54.90 246 P	P	P	20 10 40.8 -1.0
NWAO	17nm, 1.0s, baz=135, slovw=10.0, SNR=15.0	P	P	20 12 19.3 -1.9
NWAO	Narrogin (SRO) 54.90 246 eP	P	P	20 10 40.0 -1.7
MUN	Mundaring 55.91 247 eP	P	P	20 10 47.7 -1.1
MUN	47nm, 0.9s, mb4.8	P	P	20 12 33.8
Casey	59.48 206 eP	P	P	20 11 11.4 -1.1
CASU	36nm, 0.9s, mb4.7, baz=105, slovw=7.2, SNR=15	P	P	20 11 52.2 +1.0
QSPA	24nm, 0.7s, mb4.9	P	P	20 13 38.5 +2.5
QSPA	24nm, 0.7s, mb4.9	P	P	20 10 27.5 +0.5
JOW	Kunigami 71.39 312 P	P	P	20 12 31.1 -2.1
MAT	Matushiro 72.41 326 P	P	P	20 12 32.0 -1.2
MAT	53nm, 2.0s, mb4.7	P	P	20 12 41.5 -0.7
JNU	Nakatsu 73.91 319 P	P	P	20 12 59.3 +0.5
JNU	9.9nm, 0.8s, mb4.4, baz=51, slovw=17, SNR=4.4	P	P	20 12 59.3 +0.5
MAW	Naosono 77.10 300 P	P	P	20 13 08.7 +0.4
MAW	25nm, 0.8s, mb4.9, baz=124, slovw=8, SNR=20	P	P	20 13 25.9 -0.2
KGM	Kiang 78.68 277 eP	P	P	20 16 43.7 -0.9
KGM	202nm, 1.0s, mb5.6	P	P	20 13 27.8 -0.5
SYO	Syowa Base 82.35 193 eP	P	P	20 13 27.8 -0.5
SYO	82.35 193 eP	P	P	20 13 27.8 -0.5
SYO	82.35 193 eP	P	P	20 13 27.8 -0.5
ISABELLA	83.53 46 eP	P	P	20 13 27.8 -0.5
ISABELLA	83.53 46 eP	P	P	20 13 27.8 -0.5
ISABELLA	83.53 46 eP	P	P	20 13 27.8 -0.5
PFO	Pinoyan Flat Ob 83.69 49 eP	P	P	20 13 35.5 -0.1
PFO	38nm, 1.1s, mb4.9	P	P	20 13 35.5 -0.2
CMB	Columbia Colle 83.73 43 eP	P	P	20 13 34.3 0.0
CMB	44nm, 1.2s, mb4.9	P	P	20 13 38.7 +4.5
OHCM	Hocm 83.86 42 eP	P	P	20 13 33.3 -0.9
SNA	Sanae 84.00 179 eP	P	P	20 13 35.5 -0.1
SNA	84.00 179 eP	P	P	20 13 35.5 -0.1
SNA	84.00 179 eP	P	P	20 13 35.5 -0.1
WDC	Whiskeytown Da 84.01 40 eP	P	P	20 13 34.9 -0.1
WDC	30nm, 1.1s, mb4.7	P	P	20 15 27.0 +0.8
VNA3	Neumayer Olymp 84.22 177 P	P	P	20 13 39.2 +3.9
VNA3	Neumayer Olymp 84.22 177 P	P	P	20 13 37.0 +0.3
CN2	Changchun 84.38 324 eP	P	P	20 13 37.0 +0.3
CN2	44nm, 1.2s, mb4.9	P	P	20 13 37.1 -0.1
GSC	Goldstone 84.47 47 eP	P	P	20 13 37.9 +0.5
MTUM	Tungsten Hills 84.47 47 eP	P	P	20 13 38.3 +0.7
GLA	Glamis 84.50 50 eP	P	P	20 13 39.1 +1.8
VNA2	Neumayer-Watz 84.63 178 P	P	P	20 13 41.9 +4.6
VNA2	Neumayer-Watz 84.63 178 P	P	P	20 13 38.9 +0.8
YBH	Yreka Blue Hor 84.64 39 P	P	P	20 13 38.1 0.0
YBH	comp=Z, 2.5nm, 0.8s, mb4.9, baz=51, slovw=3.1, SNR=14	P	P	20 15 29.7 +0.3
YBH	Yreka Blue Hor 84.64 39 P	P	P	20 13 38.1 0.0
YBH	comp=Z, 7.8nm, 0.9s, mb4.3	P	P	20 13 39.1 -0.2
BEKR	Beckwouth 84.87 42 eP	P	P	20 13 36.4 -2.1
BEKR	comp=Z, 3.1nm, 1.4s, mb4.8	P	P	20 13 38.7 +0.2
VNA1	Neumayer-Stat 84.87 177 P	P	P	20 13 40.9 +0.8
VNA1	Neumayer-Stat 84.87 177 P	P	P	20 13 41.6 +0.4
HUMO	Hill Mountain 85.06 38 eP	P	P	20 15 31.2 -1.6
NVAR	Mina Array Bea 85.28 44 P	P	P	20 13 43.0 +0.9
NVAR	comp=Z, 8.6nm, 0.8s, mb4.4, baz=210, slovw=6.4, SNR=24	P	P	20 13 47.1 +0.1
NVAR	comp=Z, 2.0nm, 0.4s, baz=174, slovw=22, SNR=1.7	P	P	20 13 44.7 +0.2
LDFC	Landfair 85.44 48 P	P	P	20 15 37.5 +1.3
TPH	Topohap 85.76 45 eP	P	P	20 13 50.4 +0.9
TPH	comp=Z, 1.4nm, 0.3s, mb4.3	P	P	20 13 49.9 -0.1
NEN	Nelson 85.94 48 eP	P	P	20 15 43.1 +1.1
NEN	85.94 48 eP	P	P	20 13 51.7 +0.2
TUC	Tucson 86.98 52 eP	P	P	20 13 52.5 +0.9
TUC	comp=Z, 1.4nm, 1.0s, mb5.1	P	P	20 13 53.6 +0.8
BMN	Battle Mountai 87.13 43 eP	P	P	20 13 53.5 -1.0
BMN	87.13 43 eP	P	P	20 13 55.7 +0.4
SKM	Mount Saint He 87.75 36 P	P	P	20 13 56.2 +0.2
SHW	Skilak Lake 88.20 14 eP	P	P	20 13 56.3 +0.8
WUAZ	Wupatki 88.24 50 eP	P	P	20 13 55.2 -0.3
WUAZ	88.24 50 eP	P	P	20 13 57.5 +1.0
GNW	Green Mountain 88.32 35 eP	P	P	20 13 56.4 +0.4
GLK	Glacier Lake 88.32 36 P	P	P	20 14 06.6 +0.3
LOH	Longmire 88.33 36 eP	P	P	20 14 06.6 +0.3
GL2	New Goldendale 88.37 37 P	P	P	20 14 06.6 +0.3
WPW	White Pass 88.44 36 eP	P	P	20 14 06.6 +0.3
FMW	Mount Fremont 88.52 36 eP	P	P	20 14 06.6 +0.3
PMS	Palmer South 89.00 14 eP	P	P	20 14 01.1 +1.0
MNU	Marysvalle 89.29 47 eP	P	P	20 14 01.1 +1.0
RSW	Rattlesnake Hi 89.31 37 P	P	P	20 14 05.5 +0.3
HAWA	Hanford 89.34 37 P	P	P	20 13 59.3 -0.9
HAWA	comp=Z, 4.5nm, 1.4s, mb4.1	P	P	20 14 01.4 +0.4
PWR	Palmer 89.41 14 eP	P	P	20 14 01.5 +0.3
PMR	Wenatchee Ridg 89.52 35 P	P	P	20 14 03.9 +1.4
CPW	Rockport 89.56 35 P	P	P	20 15 54.3 -0.9
RMA	Chiang Mai Arr 89.69 290 P	P	P	20 17 43.9 -0.8
RMA	comp=Z, 1.6nm, 0.9s, mb4.9, baz=136, slovw=3.4, SNR=106	P	P	20 31 32.9
CMAR	comp=Z, 1.4nm, 0.9s, baz=124, slovw=3.3, SNR=9.9	P	P	20 14 05.3 +0.3
CMAR	comp=Z, 2.1nm, 0.9s, baz=128, slovw=5.7, SNR=6.5	P	P	20 14 06.6 +0.3
CMAR	comp=Z, 1.1nm, 0.9s, baz=299, slovw=5.0, SNR=6.9	P	P	20 14 06.6 +0.3
MPU	Maple Canyon 90.45 46 eP	P	P	20 14 08.2 +0.6
SPUT	South Promonto 90.62 44 eP	P	P	20 14 07.9 +0.4
HLID	Halley 90.64 41 eP	P	P	20 14 07.7 -0.9
HLID	comp=Z, 15nm, 1.1s, mb4.1	P	P	20 14 08.1 0.0
LAZ	Ladron 90.66 52 eP	P	P	20 14 09.2 +0.4
SRU	San Rafael 90.70 47 eP	P	P	20 14 09.1 -0.4
CTU	Cap Tracy 90.73 45 eP	P	P	20 14 08.7 +0.6
TXAR	Lajitas Array 90.84 58 P	P	P	20 15 59.8 -0.5
TXAR	comp=Z, 15nm, 0.7s, mb5.0, baz=213, slovw=6.5, SNR=150	P	P	20 17 49.9 -3.6
TXAR	comp=Z, 0.1nm, 0.4s, baz=224, slovw=5, SNR=2.9	P	P	20 31 07.6
TXAR	comp=Z, 0.4nm, 0.5s, baz=180, slovw=2.5, SNR=9.9	P	P	20 14 07.2 -0.3
JLU	Jordanelle 90.88 45 eP	P	P	20 14 07.9 +0.4
DAU	Daniels Canyon 90.90 45 eP	P	P	20 14 07.7 -0.9
BNM	Barren Site 90.91 53 eP	P	P	20 14 08.1 0.0
LPM	Los Pinos Moun 90.92 48 eP	P	P	20 14 09.2 +0.4
TCUT	Toone Canyon 91.18 45 eP	P	P	20 14 09.1 -0.4
HWUT	Hardware Ranch 91.34 44 eP	P	P	20 14 08.7 -0.3
HWUT	comp=Z, 5.9nm, 0.6s, mb4.1	P	P	20 14 09.9 -0.1
MCK	McKinley 91.35 13 eP	P	P	20 14 11.6
ANMO	Abluqueque 91.42 52 eP	P	P	20 14 11.6
ANMO	comp=Z, 2.1nm, 1.4s, mb4.9	P	P	20 14 13.0 0.0
GD2L	Guadalupe Moun 91.65 55 eP	P	P	20 14 13.8 -0.8
NEW	Newport 91.77 37 P	P	P	20 14 13.9 -1.3
NEW	comp=Z, 1.7nm, 0.8s, mb4.0, baz=248, slovw=11, SNR=3.2	P	P	20 14 09.2 +0.6
NEW	comp=Z, 1.7nm, 0.8s, baz=248, slovw=11, SNR=3.2	P	P	20 14 13.0 0.0
CLNB	Carlsbad 92.04 55 P	P	P	20 14 13.8 -0.8
CPX	Cap Rock 92.04 55 eP	P	P	20 14 13.9 -1.3
COLA	College 92.58 13 eP	P	P	20 14 09.2 +0.6
ILAR	Eielson Array 92.69 14 P	P	P	20 16 08.1 -0.2
ILAR	comp=Z, 1.3nm, 0.8s, mb4.0, baz=225, slovw=5.2, SNR=18	P	P	20 14 17.6 -0.5
ILAR	comp=Z, 2.0nm, 1.0s, baz=207, slovw=2.0, SNR=6.5	P	P	20 16 09.3 -0.3
PDAR	Pinedale Array 93.22 44 P	P	P	20 18 08.8 -3.0
PDAR	comp=Z, 4.6nm, 0.8s, mb4.5, baz=228, slovw=3.5, SNR=33	P	P	20 14 13.0 0.0
PDAR	comp=Z, 0.4nm, 0.8s, baz=211, slovw=1.7, SNR=2.9	P	P	20 14 13.0 0.0
PDAR	comp=Z, 0.6nm, 0.7s, baz=243, slovw=6.6, SNR=4.1	P	P	20 18 08.8 -3.0
SDCO	Great Sand Dun 93.44 50 eP	P	P	20 14 13.0 0.0
SDCO	comp=Z, 13nm, 1.1s, mb4.9	P	P	20 14 13.0 0.0

DAWY	Dawson 93.88 17 eP	P	P	20 14 19.9 -0.8
JROA	Junction City 94.35 59 eP	P	P	20 14 22.5 -1.2
JROA	comp=Z, 3.6nm, 0.6s, mb4.6	P	P	20 14 25.2 -0.5
TRQA	Tornquist 94.86 136 P	P	P	20 14 23.2 +0.5
LVC	Limon Verde 96.39 119 eP	P	P	20 14 43.7 +1.2
INIK	Inuvik 96.69 18 P	P	P	20 14 41.1 -1.2
YKA	Yellowknife Arr 100.99 25 P	P	P	20 14 52.0 -0.7
YKA	comp=Z, 0.2nm, 0.7s, baz=245, slovw=4.2, SNR=5.5	P	P	20 19 05.5 -5.0
YKA	comp=Z, 2.0nm, 0.8s, baz=243, slovw=6.9, SNR=1.1	P	P	20 31 27.1
YKA	comp=Z, 0.6nm, 0.9s, baz=51, slovw=5.0, SNR=7.8	P	P	20 14 52.0 -0.7
YKA	Yellowknife Arr 100.99 25 P	P	P	20 19 05.5 -5.0
YKA	comp=Z, 0.2nm, 0.7s, baz=245, slovw=4.2, SNR=5.5	P	P	20 31 27.1
MKAR	Makanchi Array 112.55 312 Pdfff	P	P	20 15 44.9 +0.9
MKAR	comp=Z, 0.3nm, 0.7s, baz=90, slovw=6.1, SNR=2.7	P	P	20 19 35.5
MKAR	comp=Z, 0.7nm, 0.6s, baz=105, slovw=7.3, SNR=11	P	P	20 20 29.6 -5.5
MKAR	comp=Z, 1.2nm, 1.0s, baz=98, slovw=8.6, SNR=4.6	P	P	20 22 23.8
MKAR	comp=Z, 2.0nm, 0.8s, baz=81, slovw=8.4, SNR=7.1	P	P	20 30 27.2
MKAR	comp=Z, 1.4nm, 0.7s, baz=288, slovw=3.3, SNR=14	P	P	20 30 36.8
MKAR	comp=Z, 1.9nm, 0.7s, baz=288, slovw=3.8, SNR=15	P	P	20 19 48.1 +0.5
BDFB	Brasilita 118.48 126 P	P	P	20 19 48.1 +0.5
BDFB	comp=Z, 1.8nm, 0.4s, baz=114, slovw=3.1, SNR=4.6	P	P	20 19 51.6 +0.2
BVAF	Borovoye Array 120.89 318 PKP	P	P	20 19 51.6 +0.2
BVAF	comp=Z, 1.5nm, 0.5s, baz=142, slovw=1.9, SNR=15	P	P	20 19 51.2 -0.7
FRB	Frobisher Bay 141.26 29 PKP	P	P	20 29 59.6
FRB	comp=Z, 6.1nm, 0.8s, baz=247, slovw=7.2, SNR=11	P	P	20 19 51.2 -0.7
FRB	comp=Z, 1.2nm, 0.8s, baz=95, slovw=5.8, SNR=3.6	P	P	20 21 05.7 -0.7
FRB	Frobisher Bay 141.26 29 PKP	P	P	20 21 05.7 -0.7
SCHO	Schefferville 123.03 39 PKP	P	P	20 19 54.4 -1.2
SCHO	comp=Z, 2.8nm, 1.0s, baz=259, slovw=8.4, SNR=3.0	P	P	20 19 59.8 -0.5
SPITS	Spitsbergen Ar 125.78 356 PKP	P	P	20 20 13.9 +0.7
SPITS	comp=Z, 6.9nm, 1.0s, baz=153, slovw=17, SNR=3.7	P	P	20 20 13.9 +0.7
ARCES	ARSIS Array B 132.52 348 PKP	P	P	20 22 47.0 0.0
ARCES	comp=Z, 2.2nm, 0.8s, baz=90, slovw=1.2, SNR=3.8	P	P	20 22 47.0 0.0
ARCES	comp=Z, 4.5nm, 1.0s, baz=304, slovw=22, SNR=2.7	P	P	20 22 53.4
ARCES	comp=Z, 12nm, 0.9s, baz=27, slovw=2.0, SNR=10	P	P	20 22 53.4
KMBO	Kilima Mbo 135.71 240 PKP	P	P	20 20 22.2 +1.5
KMBO	comp=Z, 1.3nm, 0.6s, baz=54, slovw=21, SNR=4.7	P	P	20 23 07.4
KMBO	comp=Z, 6.2nm, 0.9s, baz=62, slovw=3.3, SNR=14	P	P	20 20 28.6 +2.3
DJNS	Zahran al Janu 138.88 269 P	P	P	20 20 17.0
FINES	FINESS Array B 139.05 341 PKHP	P	P	20 20 27.7 +2.2
FINES	comp=Z, 2.2nm, 1.0s, baz=270, slovw=1.9, SNR=6.5	P	P	20 23 13.7
FINES	comp=Z, 1.2nm, 0.6s, baz=96, slovw=5.0, SNR=7.5	P	P	20 23 13.7
FINES	comp=Z, 1.0nm, 0.8s, baz=72, slovw=4.4, SNR=27	P	P	20 20 27.7 +2.2
FINES	FINESS Array B 139.05 341 PKP	P	P	20 20 27.7 +2.2
TATS	Tathliith 139.45 272 P	P	P	20 20 24.0 -3.3
AFJF	'Affif 140.84 278 P	P	P	20 20 27.7 -2.1
BLJS	Bljurs 141.25 272 P	P	P	20 20 28.7 -1.9
HLSL	Ha'il 142.38 284 P	P	P	20 20 31.0 -1.3
NORSAR	NORSAR Subarra 142.73 351 PKP	P	P	20 20 29.9
NORSAR	comp=Z, 4.2nm, 1.2s, baz=16, slovw=3.1	P	P	20 20 29.6
NOA	NORSAR Array B 142.73 351 PKHP	P	P	20 23 23.0
NOA	comp=Z, 1.6nm, 0.8s, baz=133, slovw=3.2, SNR=5.4	P	P	20 20 29.6</

2004 MAR

30d 23h

HYB	Hyderabad	15.70	172	i	P	20 57 45.0	+4.7
HYB	Hyderabad	15.70	172	eP	P	20 57 45.0	+4.7
KURK	Kurchatov	17.73	5	iP	P	20 58 09.9	+3.6
KUR	Kurchatov	2.0nm,0.8s,baz=226,slo=9.2,SNR=5.7					
VOSK	Vostochnaya	17.73	5	eP	P	20 58 06.0	+0.2
KURK	Kurchatov	20.03	351	iP	P	20 58 31.9	-1.1
AB31	Akbulak array	20.26	328	P	P	20 58 34.6	-0.8
AB31	1.5nm,0.6s,baz=132,slo=11.1,SNR=39						
BVAR	Boroyeve Array	20.41	350	P	P	20 58 37.1	+0.1
BVAR	1.0nm,1.0s,baz=158,slo=9.2,SNR=21						
BRVK	Boroyeve	20.46	350	iP	P	20 58 37.7	+0.3
BRVK	Boroyeve	20.46	350	eP	P	20 58 37.7	+0.3
CHKZ	Chkalovo	21.01	351	P	P	20 58 42.7	+0.3
CHKZ	Chkalovo	1.7nm,0.8s,mb3.4,baz=172,slo=7.9,SNR=20					
CMAR	Chiang Mai Arr	24.98	120	P	P	20 59 22.8	+0.3
CMAR	1.0nm,0.8s,mb3.4,baz=318,slo=10,SNR=9.0						
ULN	Ulanbaatar	27.47	48	P	P	20 59 44.5	-0.8
JOF	Joensuu	41.01	330	eP	P	20 59 42.2	+0.5
FINES	Fines Array B	42.75	327	P	P	20 59 56.6	+0.8
FINES	4.0nm,0.5s,baz=192,slo=2.12,SNR=8.4						
KAF	Kangasniemi	42.86	328	eP	P	20 59 52.9	-0.9
ARCES	ARCES Array B	45.98	338	P	P	20 02 22.8	+1.0
ARCES	2.0nm,0.8s,mb4.1,baz=653,slo=5.4,SNR=12						
HFS	Hagfo	46.43	324	P	P	20 02 40.4	-0.8
HFS	0.7nm,0.4s,mb4.0,baz=101,slo=7.6,SNR=4.5						
NOA	NORSAR Array B	47.92	325	P	P	20 02 50.5	-0.6
NOA	0.4nm,0.8s,mb3.5,baz=100,slo=6.9,SNR=2.6						
SPITS	Spitsbergen Arr	51.83	347	P	P	20 03 08.4	+1.4
SPITS	2.5nm,0.6s,mb3.1,baz=222,slo=11.4,SNR=3.4						
SPITS	Spitsbergen Arr	51.83	347	P	P	20 03 08.4	+1.4
WRA	Warramunga Arr	76.47	125	P	P	20 05 48.0	-1.2
WRA	0.3nm,0.5s,mb3.4,baz=325,slo=6.6,SNR=11						
INK	Inuvik	76.53	11	P	P	20 05 48.7	+0.2
INK	1.3nm,0.8s,mb3.9,baz=322,slo=12,SNR=3.0						
ILAR	Eielson Array	76.83	18	P	P	20 05 56.0	+0.4
ILAR	0.5nm,0.8s,mb3.5,baz=322,slo=5.5,SNR=5.6						
YKA	Yellowknife Arr	84.39	5	P	P	20 06 31.0	+0.8
YKA	0.3nm,0.6s,mb3.6,baz=343,slo=5.9,SNR=4.3						

IDC 30 21:18:09.1±2.0, 2.72S-128.06E, mb3.2/2, mb1 3.6/3, mb1mx3.5/12, ML3.5/1, Error ellipse: s-maj=147.0km s-min=25.7km az=67.0, Ceram Sea

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	ISC
					h	m	s
WRA	Warramunga Arr	18.18	161	Op	P	21 22 23.7	-1.1
ASAR	Alice Springs	21.57	165	P	P	21 22 59.5	-3.0
MKAR	Makanchi Array	63.61	327	P	P	21 28 42.3	-1.9
MKAR	0.2nm,0.6s,baz=117,slo=6.4,SNR=3.1						

IDC 30 21:24:48.9±2.5, 55.85S-27.59W, h86km, 19km, mb4.5/9, mb1 4.6/9, mb1mx4.4/12, MS4.0/7, Ms1 4.0/7, ms1mx3.9/14, Error ellipse: s-maj=32.2km s-min=15.4km az=57.0, NEIC 30 21:24:51.2±2.6, 55.88S-27.59W, h109km±23km, mb4.8/4, Error ellipse: s-maj=19.1km s-min=8.2km az=48.0, ISC 30 21:24:52.4±1.1, 55.85S-1.27.6W-0.2, h133km±39km, n48, mb93/23, mb4.5/13, 9C-1D, South Sandwich Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	ISC
					h	m	s
VNA1	Neumayer-Stat	17.09	158	iP	P	21 28 46.0	+1.9
VNA1	Neumayer-Stat	17.09	158	iP	P	21 28 51.4	+7.3
VNA1	Neumayer-Stat	17.09	158	iP	P	21 28 56.1	+1.2
VNA3	Neumayer Olymp	17.28	160	iP	P	21 28 58.0	+4.3
VNA3	Neumayer Olymp	17.28	160	iP	P	21 28 58.0	+4.3
VNA3	Neumayer Olymp	17.28	160	iP	P	21 28 58.0	+4.3
VNA2	Neumayer-Watz	17.49	158	iP	P	21 28 52.7	+3.7
VNA2	Neumayer-Watz	17.49	158	iP	P	21 28 58.1	+8.1
SNA4	Snares	19.05	156	P	P	21 29 02.3	-3.9
SNA4	Snares	19.05	156	P	P	21 29 07.3	+1.1
SNA4	Snares	19.05	156	P	P	21 29 12.5	+6.3
USHA	Ushuaia	23.02	255	P	P	21 29 45.4	-0.4
USHA	15nm,1.1s,mb4.3,baz=90,slo=8.3,SNR=7.0						

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	ISC
					h	m	s
INX	Inuvik	4.11	65	Ph	P	21 28 34.9	-1.6
INX	3.0nm,0.3s,baz=154,slo=21,SNR=5.2						
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	4.7nm,0.3s,baz=171,slo=30,SNR=5.0						
INX	Inuvik	4.11	65	Ph	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Trac	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Trac	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Trac	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Trac	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Trac	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Trac	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Trac	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Trac	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Trac	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Trac	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Trac	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Trac	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Trac	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Trac	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Trac	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Trac	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Trac	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Trac	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Trac	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Trac	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Trac	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Trac	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Trac	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Trac	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Trac	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Trac	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Trac	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65	Pn	P	21 28 34.9	-1.6
INX	Inuvik	4.11	65</				

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PINU Pond Inlet, COWN Contwyoto Lake, ACKN Achilles Lake, etc.

IDC 30 23:34:54.6; 1.7, 2.60N, 126.54E, mb3.8/5, mb1 4.0/5, mb1mx3.9/14, Error ellipse: s-maj=102.0km s-min=22.8km az=68.0

NEIC 30 23:34:56.1; 0.8, 2.78N, 127.19E, h15km, mb4.1/4, Error ellipse: s-maj=52.0km s-min=13.8km az=70.0

ISC 30 23:34:57.6; 1.0, 2.6N, 126.4E, 0.5, h33km, n10, #027/10, mb4.0/7, Northern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like FITZ Fitzroy Crossi, WRAB Tennant Creek, WRA Warramunga Arr, etc.

ISC 30 23:50:02.0; 37.30N, 28.12E, h6km, MD3.2

NEIC 30 23:50:03.4; 37.19N, 27.98E, h17km, MD3.1(A)H, After ATH

ATH 30 23:50:03.4; 37.19N, 27.98E, h17km, 5km, MD3.1/4

ISC 30 23:50:02.2; 0.5, 37.28N, 128.08E, 0.03, h8km, aqkm, n19, #076/29, 3C, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like YER Yerkesik, MLSD Milas, AYDN Tasoluk, etc.

NEIC 30 23:54:55.2; 2.1, 8.73S, 158.91E, h529km, 25km, mb4.5/4, Error ellipse: s-maj=16.8km s-min=13.0km az=63.0

IDC 30 23:54:55.1; 9.8, 7.2S, 158.85E, h530km, 21km, mb3.5/3, mb1 3.6/5, mb1mx3.6/18, Error ellipse: s-maj=15.1km s-min=13.5km az=159.0

ISC 30 23:54:56.0; 2.1, 8.85S, 0.1, 158.8E, 0.1, h551km, 26km, n26, #090/26, mb4.1/6, Bougainville - Solomon Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PMG Port Moresby, CTA Charters Tower, WRAB Tennant Creek, etc.

NEIC 30 23:55:14.1; 37.62S, 176.40E, h283km, After WEL

WEL 30 23:55:14.2; 0.3, 37.57S, 176.35E, h280km, 3km, ML4.3/5, Error ellipse: s-maj=4.4km s-min=3.9km az=0.0, North Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LIRZ Lichensteins, MARZ Manawehe, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like URZ Urewera, URZ Urewera, URZ Urewera, etc.

IDC 30 01:19:04.6; 2.9, 19.93S, 175.94W, h187km, 26km, mb3.9/12, mb1 1.4/2, mb1mx4.1/18, Error ellipse: s-maj=21.1km s-min=13.5km az=160.0

NEIC 30 01:19:07.2; 2.2, 19.96S, 175.90W, h215km, 20km, mb3.9/12, Error ellipse: s-maj=14.4km s-min=9.7km az=171.0

ISC 30 01:19:06.3; 1.6, 20.01S, 0.08, 175.94W, 0.07, h218km, 15km, kb3, #109/41, mb4.1/18, 2C, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RAR Rarotonga, URZ Urewera, ARMA Armadale, etc.

0.3mm, 0.4s, baz=63, slow=3.0, SNR=5.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ERZM Erzurum, BINT Bingol, GUMT Gumushane, etc.

IDC 31 00:58:10.8; 1.4, 20.61N, 144.28E, mb3.5/3, mb1 3.8/3, mb1mx3.4/17, Error ellipse: s-maj=196.1km s-min=33.0km az=103.0, Mariana Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, FINES Fines Array B.

NEIC 31 01:15:51.1; 0.9, 19.40S, 69.44W, h111km, 13km, Error ellipse: s-maj=20.9km s-min=12.6km az=75.0

IDC 31 01:15:55.3; 7.7, 19.12S, 69.22W, h136km, 55km, mb3.7/2, mb1 3.8/3, mb1mx3.3/14, Error ellipse: s-maj=77.2km s-min=33.5km az=36.0

ISC 31 01:15:49.7; 0.9, 19.42S, 0.06, 69.4W, 0.1, h108km, 13km, n8, #069/13, mb3.8/1, Northern Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LVC Limon Verde, LPAZ La Paz, LPAZ La Paz, etc.

NIED 31 01:34:00, 36.30N, 141.80E, h26km, Mw3.8 Best double couple: M4.89x10^14 Np1.3a31, #800, 1.18E, Np2.0x139, 3.30E, 1.20E

JMA 31 01:34:51.1; 0.3, 36.27N, 141.84E, h66km, M3.5

IDC 31 01:35:32.1; 1.2, 31.60N, 130.40E, mb3.4/4, mb1 3.7/4, mb1mx3.5/18, Error ellipse: s-maj=47.7km s-min=25.6km az=78.0

ISC 31 01:34:50.8; 1.6, 36.25N, 0.06, 141.9E, 0.1, h26km, n14, #080/16, mb3.6/1, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CHQJ Chosi, JHO Hitachi, ONAJ Iwakimizuishiy, etc.

MAN 31 02:01:55.9; 76N, 124.72E, h3km, mb4.7, ML3.6, M3.5

IDC 31 02:01:59.4; 37.0, 9.47N, 126.47E, mb3.8/3, mb1 4.0/3, mb1mx3.7/15, Error ellipse: s-maj=64.4km s-min=239.9km az=156.0

ISC 31 02:01:55.6; 0.7, 9.75N, 0.04, 124.72E, 0.04, h30km, 6km, n15, #108/22, mb3.7/3, 2C-5D, Mindanao

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MSLP Maasin, SCBP Surigao, TBP Tagbilaran, etc.

BJI 31 02:02:02.1; 37.92N, 72.35E, h134km, mb4.8, mb4.6

NEIC 31 02:02:03.0; 0.3, 37.84N, 72.40E, mb4.5/3, Error ellipse: s-maj=7.3km s-min=5.7km az=190.9

IDC 31 02:02:03.0; 0.8, 37.70N, 72.34E, h134km, 6km, mb4.0/10, mb1 4.2/12, mb1mx4.1/16, M3.3, 1/2, M3.1, 3/22, mb1mx2.9/23, Error ellipse: s-maj=26.5km s-min=14.9km az=44.0

NINC 31 02:02:07.7; 3.6, 38.25N, 71.82E, h189km, 28km, mpv5.1, Error ellipse: s-maj=38.2km s-min=21.4km az=27.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ASAR Alice Springs, STKA Stephens Creek, Tajikistan, etc.

CEP		S		02 03 46.1 +1.6	RDF	comp=Z,2.2m,0.6s,mb4.7		Amb	AMB	02 06 56.9
CHCP	Chirah Chowk	4.07 170	↑P	P		02 03 05.2 +3.3				
AML	Almayashu	4.52 17	P	P		02 03 08.6 +0.3				
UCH	SNR=343	4.81 19	P	P		02 03 12.6 +0.7				
KZA	Kyzart	4.89 25	P	P		02 03 13.7 +0.8				
THW	Thamme Waii	4.91 187	↑P	P		02 03 13.8 +0.6				
EKS2	Erkin-Say	5.08 11	P	P		02 03 15.7 +0.4				
AAK	Ala-Archa	5.19 17	P	P		02 03 17.9 +1.0				
KBK	Karagaybulak	5.32 20	P	P		02 03 19.8 +1.1				
JMU	Jammu	5.35 157	e	Px		02 04 00.0				
JMU	Jammu	5.35 157	e	S		02 04 20.0				
ULHL	Ulahol	5.41 31	P	P		02 03 20.7 +0.8				
SBPD	Sheikh Budin	5.54 194	↑P	P		02 03 21.6 +0.1				
CHMS	Chumysh	5.59 18	P	P		02 03 22.9 +0.6				
KK31	Karayat Array	5.61 345	↑P	P		02 03 20.9 -1.6				
KK31	268nm,0.5s,baz=166,slow=22,SNR=17	5.61 345	↑P	P		02 04 19.7 -6.6				
SARP	Sargodha	5.75 178	P	P		02 03 24.6 +0.2				
TAKM	Tokmak 2	5.76 24	P	P		02 03 25.4 +0.9				
USP	OSPenovka	5.79 15	P	P		02 03 25.1 +0.1				
THN	Thin Zain	5.89 152	↑P	P		02 03 27.6 +1.3				
THN	3jm,0.2s	5.89 152	↑P	P		02 04 21.4 -1.6				
DLH	Dalhousie	5.89 150	eP	S		02 03 27.0 +0.7				
DRP	Derazinda	6.21 198	P	P		02 03 31.6 +1.0				
PNG	Pong	6.41 152	eP	P		02 03 34.0 +0.7				
PNG	Pong	6.41 152	eP	P		02 04 42.0 -3.6				
BHK	Bhakra	7.06 151	e	P		02 03 51.0 +8.7				
BHK	Bhakra	7.06 151	e	P		02 05 03.8				
SDNR	Sundarnagar	7.21 147	eP	P		02 03 44.4 +0.1				
SDNR	Sundarnagar	7.21 147	eP	P		02 05 00.0 -5.1				
SMLA	Simla	7.62 148	↑P	P		02 03 54.8 +5.0				
SMLA	Simla	7.62 148	↑P	P		02 04 13.3 -1.6				
KKR	Kurukshetra	8.52 153	eP	P		02 04 02.9 +1.0				
DDI	Dehra Dun	8.70 146	eP	P		02 04 03.3 -0.9				
DDI	Dehra Dun	8.70 146	eP	P		02 05 31.6				
JOSI	Joshimath	9.24 138	eP	P		02 04 17.1 +0.2				
RTK	Rohat	9.24 158	eP	P		02 04 10.6 -0.9				
NDI	New Delhi	9.83 155	eP	P		02 04 19.4 +0.1				
NDI	New Delhi	9.83 155	eP	P		02 06 01.5 -6.5				
NDI	New Delhi	9.83 155	eP	P		02 06 06.2				
NDI	comp=N,156nm,0.4s	9.83 155	eP	P		02 06 13.0				
NDI	comp=E,156nm,0.5s	9.83 155	eP	P		02 04 19.8 -1.6				
AYAN	Aya Nagar	9.98 155	eP	P		02 06 03.9 -7.9				
AYAN	Aya Nagar	9.98 155	eP	P		02 06 14.2				
AYAN	Aya Nagar	9.98 155	eP	P		02 04 19.4 -2.1				
KHET	Khetri	9.99 163	eP	P		02 06 04.8 -7.2				
KHET	Khetri	9.99 163	eP	P		02 06 14.8				
KHET	Khetri	9.99 163	eP	P		02 06 15.1				
KHET	comp=N,72nm,0.4s	9.99 163	eP	P		02 06 15.1				
KHET	comp=E,138nm,0.4s	9.99 163	eP	P		02 04 21.7 -1.2				
KUDL	Kudal	10.10 159	eP	P		02 06 09.6 -5.0				
KUDL	Kudal	10.10 159	eP	P		02 04 23.7 -0.3				
SONA	Sohna	10.18 156	eP	P		02 04 10.6 -5.9				
SONA	Sohna	10.18 156	eP	P		02 06 20.2				
SONA	Sohna	10.18 156	eP	P		02 06 20.2				
SONA	comp=E,274nm,0.4s	10.18 156	eP	P		02 06 20.5				
SONA	comp=N,206nm,0.6s	10.18 156	eP	P		02 04 25.1 -1.6				
PTH	Plithoragar	10.38 139	eP	P		02 06 16.1 -5.2				
PTH	Plithoragar	10.38 139	eP	P		02 04 27.0 -0.9				
LGTI	Lohaghat	10.48 139	eP	P		02 06 16.5 -7.0				
JASL	Jaisalmer	10.81 187	eP	P		02 04 31.5 -0.8				
JASL	Jaisalmer	10.81 187	eP	P		02 04 39.5 +0.3				
AJM	Jaisalmer	11.33 170	eP	P		02 06 37.3 -6.4				
AJM	Jaisalmer	11.33 170	eP	P		02 06 40.1				
AJM	Jaisalmer	11.33 170	eP	P		02 06 40.1				
AJM	Jaisalmer	11.33 170	eP	P		02 04 39.7 -0.6				
AGRA	Agra	11.41 154	eP	P		02 06 40.3 -5.4				
AGRA	Agra	11.41 154	eP	P		02 06 50.3				
AGRA	Agra	11.41 154	eP	P		02 06 50.3				
AGRA	Agra	11.41 154	eP	P		02 06 50.5				
AGRA	comp=E,216nm,0.4s	11.41 154	eP	P		02 04 25.1 -1.6				
MK31	Makanchi Array	11.66 36	↑P	P		02 04 46.0 +2.5				
MK31	2.5nm,0.5s,baz=218,slow=10,SNR=44	11.66 36	↑P	P		02 04 44.8 +1.3				
MKAR	Makanchi Array	11.66 36	↑P	P		02 05 00.0 -4.2				
MKAR	comp=N,0.5nm,0.3s,baz=223,slow=14,SNR=31	11.66 36	↑P	P		02 07 18.0				
JHNI	Jhansi	13.24 155	eP	P		02 05 03.9 -0.9				
JHNI	Jhansi	13.24 155	eP	P		02 05 08.2 -0.7				
JHNI	Jhansi	13.24 155	eP	P		02 05 13.5 -1.3				
JHNI	Jhansi	13.24 155	eP	P		02 05 09.9 -0.7				
DANN	Dangsing	13.29 131	eP	P		02 05 08.0 -2.7				
DANN	Dangsing	13.29 131	eP	P		02 05 08.0 -2.7				
KOLN	Koldanda	13.63 133	eP	P		02 05 08.0 -0.9				
KOLN	Koldanda	13.63 133	eP	P		02 05 09.9 -0.7				
KURK	Kurchatov	13.75 17	↑P	P		02 05 08.0 -2.7				
KURK	Kurchatov	13.75 17	↑P	P		02 05 08.0 -2.7				
GKN	Gorkha	14.07 130	eP	P		02 05 13.5 -1.3				
GKN	Gorkha	14.07 130	eP	P		02 05 13.5 -1.3				
KKN	Kakani	14.62 129	eP	P		02 05 20.1 -1.7				
KKN	Kakani	14.62 129	eP	P		02 05 21.4 -0.7				
DMN	Daman	14.64 130	eP	P		02 05 18.1 -4.4				
DMN	Daman	14.64 130	eP	P		02 07 50.5 -1.1				
PKI	Pulchoki	14.85 129	eP	P		02 05 22.8 -2.0				
PKI	Pulchoki	14.85 129	eP	P		02 05 23.8 -2.1				
GUN	Gumba	14.91 127	eP	P		02 05 35.4				
GUN	Gumba	14.91 127	eP	P		02 08 05.5				
BHPL	Bhopal	15.02 162	Amb	AMB		02 05 35.4				
BHPL	Bhopal	15.02 162	Amb	AMB		02 08 05.5				
BHPL	Bhopal	15.02 162	Amb	AMB		02 05 24.2 -3.2				
VOSK	Vostochnaya	15.07 357	↑P	P		02 05 29.1 -2.5				
VOSK	Vostochnaya	15.07 357	↑P	P		02 08 13.4 -5.3				
BVAR	Borovoye Array	15.41 355	P	P		02 12 12.2				
BVAR	Borovoye Array	15.41 355	P	P		02 05 28.0 -4.1				
BVAR	Borovoye Array	15.41 355	P	P		02 05 29.9 -2.3				
BVAR	Borovoye Array	15.41 355	P	P		02 05 36.8 -2.8				
BVAR	Borovoye Array	15.41 355	P	P		02 05 18.1 -4.4				
BVAR	Borovoye Array	15.41 355	P	P		02 05 22.8 -2.0				
BVAR	Borovoye Array	15.41 355	P	P		02 05 23.8 -2.1				
BVAR	Borovoye Array	15.41 355	P	P		02 05 35.4				
BVAR	Borovoye Array	15.41 355	P	P		02 08 05.5				
BVAR	Borovoye Array	15.41 355	P	P		02 05 24.2 -3.2				
BVAR	Borovoye Array	15.41 355	P	P		02 05 29.1 -2.5				
BVAR	Borovoye Array	15.41 355	P	P		02 08 13.4 -5.3				
BVAR	Borovoye Array	15.41 355	P	P		02 12 12.2				
BVAR	Borovoye Array	15.41 355	P	P		02 05 28.0 -4.1				
BVAR	Borovoye Array	15.41 355	P	P		02 05 29.9 -2.3				
BVAR	Borovoye Array	15.41 355	P	P		02 05 36.8 -2.8				
BVAR	Borovoye Array	15.41 355	P	P		02 05 18.1 -4.4				
BVAR	Borovoye Array	15.41 355	P	P		02 05 22.8 -2.0				
BVAR	Borovoye Array	15.41 355	P	P		02 05 23.8 -2.1				
BVAR	Borovoye Array	15.41 355	P	P		02 05 35.4				
BVAR	Borovoye Array	15.41 355	P	P		02 08 05.5				
BVAR	Borovoye Array	15.41 355	P	P		02 05 24.2 -3.2				
BVAR	Borovoye Array	15.41 355	P	P		02 05 29.1 -2.5				
BVAR	Borovoye Array	15.41 355	P	P		02 08 13.4 -5.3				
BVAR	Borovoye Array	15.41 355	P	P		02 12 12.2				
BVAR	Borovoye Array	15.41 355	P	P		02 05 28.0 -4.1				
BVAR	Borovoye Array	15.41 355	P	P		02 05 29.9 -2.3				
BVAR	Borovoye Array	15.41 355	P	P		02 05 36.8 -2.8				



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for CPUC, LVC, LPAC, LPZA.

IDC 31 02:42:57.7-1.1, 44.47N-84.48E, mb3.6/6, mb1 3.8/8, mb1mx3.7/18, ML3.2/2, Error ellipse: s-maj=52.7km...

Main table of station data for the first section, including codes like MK31, MKAR, MKAR, MKAR, KURK, etc.

ISK 31 02:54:28.1, 35.79N-29.20E, h18km, MD3.5, NEIC 31 02:54:30.1, 35.99N-29.15E, h37km, MD3.2(A)H, After ATH.

Main table of station data for the second section, including codes like KSL, ARG, ELL, YER, etc.

IDC 31 02:56:22.2-1.5, 1.60N-126.77E, mb4.0/5, mb1 4.2/6, mb1mx4.1/13, ML3.6/1, Error ellipse: s-maj=101.0km...

Main table of station data for the third section, including codes like FITZ, WRAB, WRA, WB2, etc.

IDC 31 03:05:05.7-1.6, 2.09N-127.40E, mb3.7/5, mb1 3.9/5, mb1mx3.8/13, Error ellipse: s-maj=97.4km...

Main table of station data for the fourth section, including codes like FITZ, WRAB.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for WRA, WB2, STKA, MKAR, KURK.

GUC 31 03:23:21.6, 0.8, 25.32S; 67.94W, h130km, ML5.4, SYO 31 03:23:23.3, 0.2, 25.18S; 67.55W, h130km, MB5.1...

Main table of station data for the fifth section, including codes like ANCH, LVC, LVC, LVC, etc.

ISC 31 03:23:30.0, 2.5, 25.52S; 68.02W, h137km, 1km, MW5.4/69, Centroid moment tensor Solution. LP body waves...

Main table of station data for the sixth section, including codes like CPNI, ANCH, LVC, LVC, etc.

ISC 31 02:54:28.1, 35.79N-29.20E, h18km, MD3.5, NEIC 31 02:54:30.1, 35.99N-29.15E, h37km, MD3.2(A)H, After ATH.

Main table of station data for the seventh section, including codes like CAMA, BDFB, NNA, etc.

IDC 31 02:56:22.2-1.5, 1.60N-126.77E, mb4.0/5, mb1 4.2/6, mb1mx4.1/13, ML3.6/1, Error ellipse: s-maj=101.0km...

Main table of station data for the eighth section, including codes like ROSC, PMSA, MGF, etc.

IDC 31 03:05:05.7-1.6, 2.09N-127.40E, mb3.7/5, mb1 3.9/5, mb1mx3.8/13, Error ellipse: s-maj=97.4km...

Main table of station data for the ninth section, including codes like OXF, BLA, BLA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for TXAR, TXAR, MIAR, UTMT, etc.

ISC 31 02:54:28.1, 35.79N-29.20E, h18km, MD3.5, NEIC 31 02:54:30.1, 35.99N-29.15E, h37km, MD3.2(A)H, After ATH.

Main table of station data for the tenth section, including codes like MCWV, SSPA, FVM, etc.

ISC 31 02:54:28.1, 35.79N-29.20E, h18km, MD3.5, NEIC 31 02:54:30.1, 35.99N-29.15E, h37km, MD3.2(A)H, After ATH.

Main table of station data for the eleventh section, including codes like ACSS, CCM, CLNB, etc.

ISC 31 02:54:28.1, 35.79N-29.20E, h18km, MD3.5, NEIC 31 02:54:30.1, 35.99N-29.15E, h37km, MD3.2(A)H, After ATH.

Main table of station data for the twelfth section, including codes like WUJZ, VNSA, GLA, etc.

ISC 31 02:54:28.1, 35.79N-29.20E, h18km, MD3.5, NEIC 31 02:54:30.1, 35.99N-29.15E, h37km, MD3.2(A)H, After ATH.

Main table of station data for the thirteenth section, including codes like BAR, PFO, NEN, etc.

ISC 31 02:54:28.1, 35.79N-29.20E, h18km, MD3.5, NEIC 31 02:54:30.1, 35.99N-29.15E, h37km, MD3.2(A)H, After ATH.

Main table of station data for the fourteenth section, including codes like ISB, PDAR, HWUT, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HAWA, RSW, GBL, NEW, etc.

DJA 31 03:47:31.8-1.0, 8.52S-112.89E, h160km, MD4.8/3, ML4.0/2, 2C-4D, Error ellipse: s-maj=64.1km s-min=24.6km az=5.0, Jaws

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KELI, RATI, KEDI, etc.

IDC 31 03:58:29.3-1.4, 15.93S-178.04W, mb4.1/9, mb1.4/4.9, mb1mx4.3/1.4, Error ellipse: s-maj=92.5km s-min=17.6km az=149.0

ISC 31 03:58:32.9-1.3, 16.0S-0.5S-178.1W-0.3, h33km, n9, 0560/9, mb4.0/9, Fijil Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like STKA, WRA, ASAR, etc.

NNC 31 04:29:45.8-2.3, 41.09N-72.41E, mpv3.5, Error ellipse: s-maj=51.0km s-min=11.0km az=7.0

ISC 31 04:29:48.4-4.4, 40.9N-0.3-72.4E-0.2, h10km, n14, 01811/14, 3C-1D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AML, EKS2, UCH, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CHMS, USKP, TLHM, etc.

JMA 31 05:41:32.5-0.3, 43.87N-148.19E, M4.1, ISC 31 05:41:33.7-2.2, 43.9N, 0.2-148.2E-0.2, h10km, n8, 0561/11, East of Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NEM2, JMA, JRA, etc.

NEIC 31 05:51:17.9-1.1, 5.47N-76.60W, h41km, 11km, mb3.9/4, Error ellipse: s-maj=11.8km s-min=8.5km az=62.0

IDC 31 05:51:17.5-3.4, 5.45N-76.63W, h38km, 31km, mb3.5/10, mb1.9/3/14, mb1mx3.8/2.0, ML3.4/3, MS3.4/7, Ms1.3/3/7, mb1mx3.2/2.4, Error ellipse: s-maj=28.6km s-min=14.1km az=58.0

ISC 31 05:51:19.1-1.2, 5.38N-0.06-76.62W-0.06, h72km, 12km, n32, 0160/29, mb3.8/3, Colombia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ROSC, OTAV, OTAV, etc.

HUMP Col San Antoni 16.48 39 ePn P 05 54 54.77

TEIG Tepich 18.61 323 LR P 06 04 19.3

LPAZ La Paz 23.11 159 P P 05 56 22.4

LVC Limon Verde 28.82 165 P P 05 57 14.5

TXAR Lajas Arroy 34.95 316 P P 05 58 06.5

TXAR Lajas Arroy 34.95 316 P P 05 58 06.5

BDFB Brasilia 35.19 127 P P 05 58 08.2

CPUP Villa Florida 36.65 150 P P 05 58 19.6

ANMO Albuquerque 40.31 321 eP P 05 58 51.9

SDCO Great Sand Dun 41.59 325 eP P 05 59 03.4

WUAZ Wupatki 43.85 318 eP P 05 59 21.6

WUAZ Trona 45.31 164 eP P 05 59 28.9

TRQA Torqu Coast 45.31 164 eP P 05 59 31.2

PIN Pinedale Array 47.28 327 P P 05 59 47.6

ULM Luch du Bonnet 47.56 343 P P 05 59 48.3

ULM Luch du Bonnet 47.56 343 P P 05 59 48.3

SCHO Schefferville 49.93 7 P P 06 00 07.5

NVAR Mina Array Bea 50.09 317 P P 06 00 09.1

FCC Fort Churchill 54.94 349 eP P 06 00 43.8

YKA Yellowknife Arr 63.46 341 P P 06 01 42.0

YKA Yellowknife Arr 63.46 341 P P 06 01 42.0

YKA Tikoumindi 71.16 85 eP P 06 02 33.4

LIC Lamto 71.17 85 eP P 06 02 31.5

KIC Kusan Boka 71.45 85 eP P 06 02 33.7

ILAR Eielson Array 76.81 336 P P 06 03 04.0

AS12 Alice Springs 145.45 235 eP PKPpdf 06 10 51.9

ASAR Alice Springs 145.45 235 PKPbc PKPbc 06 10 53.0

WRA Warramunga Arr 146.59 242 eP PKPpdf 06 10 54.4

WBR Warramunga Arr 146.60 242 PKPbc PKPbc 06 10 56.9

TIR 31 07:35:34.9, 41.61N-20.14E, h26km, M12.7, NEIC 31 07:35:35.5, 41.44N-20.17E, h10km, MD2.6(PDG), After PDG, PDG 31 07:35:35.0-1.0, 41.44N-20.17E, h10km, 1km, PDG Feat at Northern Montenegro IV-V MCS, Podgorica III-IV MCS, ISC 31 07:35:35.0-1.0, 41.58N-0.03-20.25E-0.04, h10km, n17, 01521/34, 2C-5D, Albania

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NKY, Niksic, NKY, Herceg Novi, etc.

IDC 31 07:59:55.0-3.8, 52.70N-35.86E, mb1.3/7.4, mb1mx3.5/1.8, ML3.6/4, Error ellipse: s-maj=51.9km s-min=31.9km az=68.0, Baltic States - Belarus - Northwestern Russia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FINES, FINES, FINES, etc.

IDC 31 08:02:01.2-3.0, 2.44S-140.56E, mb3.5/4, mb1.3/8/5, mb1mx3.7/12, ML3.8/1, MS3.2/1, Ms1.3/2/1, ms1mx2.7/14, Error ellipse: s-maj=103.0km s-min=24.1km az=94.0

ISC 31 08:02:06.4-2.7, 2.55S-0.1-140.0E-1.7, h33km, n7, 0056/7, mb3.4/3, Near north coast of Irian Jaya

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WB2, WRA, WRA, etc.

DJA 31 08:03:26.7-1.2, 7.72S-115.48E, h69km, 27km, MD4.5/2, ML4.4/2, 6C, Error ellipse: s-maj=29.2km s-min=12.7km az=2.0, Ball Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KEDI, KEDI, RATI, etc.

NEIC 31 08:03:33.5, 35.10N-4.09W, MG3.7(MDD), After MDD, MDD 31 08:03:33.6-1.3, 35.11N-4.09W, mb3.7/16, Error ellipse: s-maj=12.9km s-min=6.0km az=12.0, PRXIMO

Aftershock PLICA, Strait of Gibraltar

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like EMEL, EMEL, EJIF, etc.

EQES Quesada 3.98, 2.2S, SNR=15

EHOR Hornachuelos 2.87 341 P Pn 08 04 19.7

EHOR Hornachuelos 2.87 341 P Pn 08 04 19.7

EHUE Huescar 2.96 24 P Pn 08 04 21.4

EADA Adana 3.08 353 P Pn 08 04 22.9

EADA Adana 3.08 353 P Pn 08 04 22.9

EMIN Mina Concepcio 3.37 323 P Pn 08 04 25.7

EMIN Mina Concepcio 3.37 323 P Pn 08 04 25.7

EMUR La Murta 3.57 39 P Pn 08 04 29.4

EMUR El Granado 3.66 312 P Pn 08 05 11.4

EGRO Granada 3.75 19 P Pn 08 05 11.4

EVIA Vianos 3.75 19 P Pn 08 05 11.4

EVIA Vianos 3.75 19 P Pn 08 05 11.4

ETOB Tobarra 4.08 29 P Pn 08 04 36.8

ETOB Tobarra 4.08 29 P Pn 08 04 36.8

NEIC 31 08:12:44.1, 48.34N-6.68E, h10km, ML3.0(VIE), ML3.0(LDG), ML2.6(STZGRF), After STR, STR 31 08:12:44.1-0.1, 48.34N-6.68E, h10km, 1km, M12.6, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0, LDG 31 08:12:44.6-0.0, 48.32N-6.65E, h12km, MD3.7, M13.0/17, Error ellipse: s-maj=0.9km s-min=0.7km az=167.0, BGR 31 08:12:45.0, 48.34N-6.68E, h10km, ML2.3/3, ISC 31 08:12:44.6-0.3, 48.29N-0.02-6.61E-0.02, h21km, 4km, 0

Table with columns: Code, Station Name, Azimuth (A), Azimuth Error (AZ), Phase ID, Time (h:m:s), Residual (Res), and ISC. Includes stations like HAU, ECH, THEF, etc.

Table with columns: Code, Station Name, Azimuth (A), Azimuth Error (AZ), Phase ID, Time (h:m:s), Residual (Res), and ISC. Includes stations like MTP, STMA, CBVY, etc.

Table with columns: Code, Station Name, Azimuth (A), Azimuth Error (AZ), Phase ID, Time (h:m:s), Residual (Res), and ISC. Includes stations like NGZ, CNZ, WPVZ, etc.

NEIC 31 08:27:11.0, 18.82N-64.17W, h25km, mb3.9/1, MD3.9(RSPR), After RSPR.

NEIC 31 08:32:46.8, 0.4, 30.79S-69.28W, h150km, MD3.5(GUC), After GUC.

HEL 31 08:59:52.0, 0.4, 64.70N-30.79E, ML2.0, Explosion.

31d 10h

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like GERRS GERRS Array B, ASAR Alice Springs, WRA Warramunga Arr, etc.

NEIC 31 09:27:32.0, 37.14N, 3.54E, MG4.1 (MDD), After MDD. MDD 31 09:27:31.1, 0.8, 37.06N, 3.54E, mb4.1/8, 1C, Error ellipse: s-maj=9.2km s-min=7.0km az=98.0, CRXIMO, Western Mediterranean Sea

Main table of station data with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like EMHD Djebel Mahoud, ECHP Echi Chlef, EANR Ain N'Sour, etc.

NEIC 31 09:52:34.0, 0.4, 10.14S, 173.55E, h166km, After WEL. WEL 31 09:52:34.0, 0.4, 10.16S, 173.61E, h166km, 3km, ML3.6/6, 2C-1D, Error ellipse: s-maj=1.9km s-min=1.0km az=90.0, Cook Strait

Main table of station data for Cook Strait with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like NRZ Ngariki Road, NWEZ Newall Road, etc.

2004 MAR

Main table of station data for 2004 MAR with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like URZ Urewera, MWZ Matawai, MCQZ McQueen's Vall, etc.

650

Main table of station data for 650 with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like BOM Bombay, POO Poona, LATR Latur, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Kasperske Hory, Collim, Vojsko, Kolnbreinsper, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like COLA College, ILAR Eielson Array, MCK McKinley, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BRVK Borovoye, CHKZ Chkalovo, TIXI Tiksi, etc.

31d 14h

Table with columns: SJMP San Jose, LUBP Lubang, OTRP Odiongan, OTRP Odiongan, KALP Kalibo. Includes time and frequency data.

BER 31 11:42:40.0z.2.1.61.48N.13.67E,h15km,70km, ML2.1(NAO) NAO 31 11:42:38.1z.2.1.61.54N.13.64E,h22km,22km,ML2.1, Sweden

HCFS Hagfors, HFS, ARAO ARCSS Array S, IDC 31 11:59:14.9z.30.0, 19.58S.178.65W, h659km,240km, mb3.2/5,mb1 3.3/5,mb1mx3.0/14, Error ellipse: s-maj=287.0km s-min=90.6km az=70.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, P, Time, Res, ISC. Includes stations like CTA Charters Tower, STKA Stephens Creek, WB2 Warramunga Arr, WRA Warramunga Arr, AS12 Alice Springs, ASAR Alice Springs.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, P, Time, Res, ISC. Includes stations like CTA Charters Tower, STKA Stephens Creek, WB2 Warramunga Arr, WRA Warramunga Arr, AS12 Alice Springs, ASAR Alice Springs.

IDC 31 12:20:20.0z.1.3, 34. 18N.89. 12E, mb3.5/4, mb1 3.8/6, mb1mx3.6/16, ML3.4/2, Error ellipse: s-maj=58.5km s-min=21.7km az=59.0

NEIC 31 12:20:21.1z.0.8, 34. 18N.89. 09E, h10km, mb3.9/2, Error ellipse: s-maj=26.3km s-min=11.1km az=71.0

ISL 31 12:20:21.9z.5, 34.2N.0.1.89.2E.0.2, h27km,44km,n10, IS 31 13:10, mb3.7/5, Kizang

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, P, Time, Res, ISC. Includes stations like LSA Lhasa, CMAR Chiang Mai Arr, ULN Ulanbataar, ZAL Zalesovo, BVAR Borovoye Array, CHK Chkalovo, YAK Yakutsk, GERES GERES Array B, WRA Warramunga Arr, ILAR Eielson Array.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, P, Time, Res, ISC. Includes stations like LSA Lhasa, CMAR Chiang Mai Arr, ULN Ulanbataar, ZAL Zalesovo, BVAR Borovoye Array, CHK Chkalovo, YAK Yakutsk, GERES GERES Array B, WRA Warramunga Arr, ILAR Eielson Array.

DJA 31 12:43:37.9z.0.9, 35S.114.23E, h15km, MD5.3/2, ML4.0/2, 4C-3D, Error ellipse: s-maj=17.7km s-min=11.0km az=39.0, South of Bali

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, P, Time, Res, ISC. Includes stations like INGI Ingas, KELI Kelatann, KEDI Kedondong, IDC 31 12:43:36.2z.5, 5.80S.155.30E, mb3.4/3, mb1 3.7/3, mb1mx3.5/13, Error ellipse: s-maj=70.5km s-min=46.9km az=106.0, Bougainville - Solomon Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, P, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ARSAR Alice Springs, WRA Warramunga Arr, CMAR Chiang Mai Arr.

WAR 31 13:03:21.9z.50.25N.18.90E, ML2.5, Mining Induced PRU 31 13:03:23.0z.50.33N.18.77E

ISL 31 13:03:20.4z.0.6, 5.80S.155.30E.0.06.18.87E.0.04, n11, e120/17, Poland

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, P, Time, Res, ISC. Includes stations like RAC Raciborz, OJC Ojcow, OJC Ojcow, KOK Ostrava-Krasne, NIE Niedzica, DPC Dobruska-Polom, DPC Dobruska-Polom, KSP Ksiaz, KSP Ksiaz, UJC Upice, PRU Pruhonice, KHC Kasperske Hory, MOC Molln, MOC Molln.

WAR 31 13:03:21.9z.50.25N.18.90E, ML2.5, Mining Induced PRU 31 13:03:23.0z.50.33N.18.77E

ISL 31 13:03:20.4z.0.6, 5.80S.155.30E.0.06.18.87E.0.04, n11, e120/17, Poland

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, P, Time, Res, ISC. Includes stations like RAC Raciborz, OJC Ojcow, OJC Ojcow, KOK Ostrava-Krasne, NIE Niedzica, DPC Dobruska-Polom, DPC Dobruska-Polom, KSP Ksiaz, KSP Ksiaz, UJC Upice, PRU Pruhonice, KHC Kasperske Hory, MOC Molln, MOC Molln.

NEIC 31 13:12:05.2, 35.58N.25.11E, h34km, MD3.0(ATH), After ATH ATH 31 13:12:05.2, 35.58N.25.11E, h34km, 22km, MD3.0/4

THE 31 13:12:07.3, 35.68N.25.31E, h8km IDC 31 13:12:06.0z.0.6, 35.62N.0.04z.25.16E.0.06, h34km, n9, e062/15, Crete

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, P, Time, Res, ISC. Includes stations like NPS Neapolis, KRIS Kristallineia, THRE Thira Island, THRI Thira Island, VAM Vamos, VAM Vamos.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, P, Time, Res, ISC. Includes stations like NPS Neapolis, KRIS Kristallineia, THRE Thira Island, THRI Thira Island, VAM Vamos, VAM Vamos.

2004 MAR

THR5 Thira Island, THR5 Thira Island, THR3 Thira Island, KARP Karpathos, VLI Velia. JMA 31 13:16:26.8z.0.3, 32.27N.140.69E, h24km, M3.9

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, P, Time, Res, ISC. Includes stations like JMA 31 13:16:26.8z.0.3, 32.27N.140.69E, h24km, M3.9, JMA 31 13:16:27.4z.2.5, 32.2N.0.1x140.5E.0.2, h77km, 22km, n9, e079/11, Southeast of Honshu

IDC 31 13:22:31.1z.4.7, 10.05S.128.12E, mb3.7/1, mb1 4.2/5, mb1mx3.9/13, ML3.9/4, MS3.4/1, Ms1 3.4/1, ms1mx2.7/16, Error ellipse: s-maj=64.2km s-min=33.2km az=130.0

ISL 31 13:22:32.5z.1.8, 10.01S.0.1x128.20E.0.10, h33km, n9, e096/13, mb3.5/1, MS3.2/1, Timor Sea

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, P, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, WRA Warramunga Arr, WRA Warramunga Arr, WB2 Warramunga Arr, WB2 Warramunga Arr, AS12 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, PMG Port Moresby, CTA Charters Tower, STKA Stephens Creek.

PRU 31 13:42:07.2z.1.5, 46N.16.13E WAR 31 13:42:07.1, 51.50N.16.10E, ML2.8, Mining Induced

NEIC 31 13:42:11.9z.1.8, 51.14N.15.89E, h5km, MG2.7(WAR), Error ellipse: s-maj=19.5km s-min=7.3km az=187.0

ISL 31 13:42:03.7z.1.0, 51.52N.0.05z.16.13E.0.04, n13, e111/25, Poland

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, P, Time, Res, ISC. Includes stations like KSP Ksiaz, KSP Ksiaz, UJC Upice, DPC Dobruska-Polom, DPC Dobruska-Polom, PVCC Panska Ves, PVCC Panska Ves, BRG Brzeg, PRU Pruhonice, PRU Pruhonice, PRU Pruhonice.

TAP 31 13:47:37.9z.21.63N.120.19E, h68km, 1km, ML3.6, Taiwan region

IDC 31 13:56:58.0z.17.0, 53.27N.158.53E, h80km, 155km, mb3.4/9, mb1 3.7/9, mb1mx3.6/18, Error ellipse: s-maj=21.1km s-min=19.0km az=102.0

KRSC 31 13:57:01.3z.0.9, 53.18N.159.04E, h124km, 1km, ML3.9

ISL 31 13:57:01.3z.0.9, 53.18N.159.04E.0.08, h125km, 2km, n40, e091/65, mb3.6/9, Near east coast of Kamchatka

TAP 31 13:47:37.9z.21.63N.120.19E, h68km, 1km, ML3.6, Taiwan region

IDC 31 13:56:58.0z.17.0, 53.27N.158.53E, h80km, 155km, mb3.4/9, mb1 3.7/9, mb1mx3.6/18, Error ellipse: s-maj=21.1km s-min=19.0km az=102.0

KRSC 31 13:57:01.3z.0.9, 53.18N.159.04E, h124km, 1km, ML3.9

ISL 31 13:57:01.3z.0.9, 53.18N.159.04E.0.08, h125km, 2km, n40, e091/65, mb3.6/9, Near east coast of Kamchatka

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, P, Time, Res, ISC. Includes stations like UQLR Uglovaya, UQLR Uglovaya, SDR Sedlovina, SDR Sedlovina, NLC Nalytchevo, NLC Nalytchevo, SMAR Somma, SMAR Somma, AVH Avacha, AVH Avacha, PET Petropavlovsk, PET Petropavlovsk, KOK Koryaka, KOK Koryaka, SPO Svy Shipunski, SPO Svy Shipunski, SPN Spasskoye, SPN Spasskoye, RUS Russkaya, RUS Russkaya, GRS Goretyy, GRS Goretyy, GNL Ganaly, GNL Ganaly, KII Karymyskiy, KII Karymyskiy, APC Apacha, APC Apacha, APC Apacha.

MIPR 27May.0.9s, MIPR Malsaya Ipeka, MKZ Mys Kozlova, MKZ Mys Kozlova, TUMR Tumrok, TUMR Tumrok, KMNRR Kamenistaya, KMNRR Kamenistaya, ESO Esso, ESO Esso.

KPT Kopyto, KPT Kopyto, KOZ Kozzyrevsk, KOZ Kozzyrevsk, ZLN Zelensya, ZLN Zelensya, SKR Severo-Kuril's, SKR Severo-Kuril's.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, P, Time, Res, ISC. Includes stations like MIPR 27May.0.9s, MIPR Malsaya Ipeka, MKZ Mys Kozlova, MKZ Mys Kozlova, TUMR Tumrok, TUMR Tumrok, KMNRR Kamenistaya, KMNRR Kamenistaya, ESO Esso, ESO Esso.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, P, Time, Res, ISC. Includes stations like KPT Kopyto, KOZ Kozzyrevsk, ZLN Zelensya, SKR Severo-Kuril's, SKR Severo-Kuril's.

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CIRR Tsirk, CIRR ALID, ALID Alaid, SDRY Srednyiny, SDRY Kyuchi, SVLR Shiveluch, SVLR Krutoberegovo, KBG Krutoberegovo, KBTR Krutoberegovo, BKI Bering, BKI Bering.

ILAR Eielson Array, YKA Yellowknife Arr, MKAR Makanchi Array, PDAR Pinedale Array, FINE Finnes Array B, NOA Norans Array B, TXAR Tajikistan Arr, WRA Warramunga Arr, ASAR Alice Springs.

NEIC 31 14:09:15.9z.0.4, 20.93S.69.71W, mb4.2/6, Error ellipse: s-maj=16.2km s-min=7.8km az=65.0

IDC 31 14:09:15.9z.0.8, 20.92S.69.74W, h88km, 5km, mb3.7/7, mb1 3.9/9, mb1mx3.8/14, MS3.3/1, Ms1 3.3/1, ms1mx2.8/16, Error ellipse: s-maj=28.9km s-min=19.6km az=48.0

ISL 31 14:09:14.8z.1.0, 20.89S.0.06z.69.7W.0.1, h90km, 9km, mb3.8/11, 5km:pp-P, n27, e093/23, mb4.0/12, 4C, Northern Chile

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, P, Time, Res, ISC. Includes stations like LVC Limon Verde, LVC Arequipa, ARE Arequipa, LPAZ La Paleta Qui, LPAZ La Paleta Qui, CPUP Villa Florida, TROA Tranquist, BDFB Brasilia, OTAV Otavalo, ROSC El Rosal, TXAR Lajas Arr, TXAR Lajas Arr, TXAR Lajas Arr, VNA1 Neumayer-Stat, VNA2 Neumayer-Stat, ANNA Sanaa, SNAO Albuquerque, GSPA South Pole Qui, GSPA South Pole Qui, MVU Marysville, MVU Marysville, PDAR Pinedale Array, ULM Lac du Bonnet, ULM Lac du Bonnet, NVAR Mina Arr Bay, TMAW Tsumab, TMAW Tsumab, YKA Yellowknife Arr, YKA Yellowknife Arr, YKA Yellowknife Arr, ASAR Alice Springs, ASAR Alice Springs, WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, ZAL Zalesovo, ZAL Zalesovo, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array.

IDC 31 14:09:15.9z.0.8, 20.92S.69.74W, h88km, 5km, mb3.7/7, mb1 3.9/9, mb1mx3.8/14, MS3.3/1, Ms1 3.3/1, ms1mx2.8/16, Error ellipse: s-maj=28.9km s-min=19.6km az=48.0

ISL 31 14:09:14.8z.1.0, 20.89S.0.06z.69.7W.0.1, h90km, 9km, mb3.8/11, 5km:pp-P, n27, e093/23, mb4.0/12, 4C, Northern Chile

TAP 31 13:47:37.9z.21.63N.120.19E, h68km, 1km, ML3.6, Taiwan region

IDC 31 13:56:58.0z.17.0, 53.27N.158.53E, h80km, 155km, mb3.4/9, mb1 3.7/9, mb1mx3.6/18, Error ellipse: s-maj=21.1km s-min=19.0km az=102.0

KRSC 31 13:57:01.3z.0.9, 53.18N.159.04E, h124km, 1km, ML3.9

ISL 31 13:57:01.3z.0.9, 53.18N.159.04E.0.08, h125km, 2km, n40, e091/65, mb3.6/9, Near east coast of Kamchatka

TAP 31 13:47:37.9z.21.63N.120.19E, h68km, 1km, ML3.6, Taiwan region

IDC 31 13:56:58.0z.17.0, 53.27N.158.53E, h80km, 155km, mb3.4/9, mb1 3.7/9, mb1mx3.6/18, Error ellipse: s-maj=21.1km s-min=19.0km az=102.0

KRSC 31 13:57:01.3z.0.9, 53.18N.159.04E, h124km, 1km, ML3.9

ISL 31 13:57:01.3z.0.9, 53.18N.159.04E.0.08, h125km, 2km, n40, e091/65, mb3.6/9, Near east coast of Kamchatka

IDC 31 14:01:04.9z.1.6, 11.29N.125.57E, mb3.7/5, mb1 3.8/5, mb1mx3.7/17, 1C, Error ellipse: s-maj=80.2km s-min=19.9km az=61.0, Samar

KALP Kalibo, KAMP Chiang Mai Arr, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array.

BUI 31 14:28:20.6z.39.54N.77.07E, h16km, ML3.5

IDC 31 14:29:04.8z.7.41, 9N.0.6z.75.8E.0.4, h10km, n8, e19/178, 2C, Kyrgyzstan

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, P, Time, Res, ISC. Includes stations like ULHL Ulhaloh, KZA Kyzart, KZA Kyzart, KBK Karaogulbulak, KBK Karaogulbulak, TKMK Tokmak 2, TKMK Tokmak 2, UCH Uchkar-Tarbaghatay, UCH Uchkar-Tarbaghatay, AAK Ala-Archa, AAK Ala-Archa, AML Almayshay, AML Almayshay, KK31 Keratay Array, KK31 Keratay Array, KK31 Keratay Array.

WEL 31 14:50:29.6z.0.7, 35.91S.178.74E, h169km, 9km, ML3.6/1, Error ellipse: s-maj=11.9km s-min=11.4km az=90.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, P, Time, Res, ISC. Includes stations like WEL 31 14:50:29.6z.0.7, 35.91S.178.74E, h169km, 9km, ML3.6/1, Error ellipse: s-maj=11.9km s-min=11.4km az=90.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, P, Time, Res, ISC. Includes stations like WEL 31 14:50:29.6z.0.7, 35.91S.178.74E, h169km, 9km, ML3.6/1, Error ellipse: s-maj=11.9km s-min=11.4km az=90.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, AZ, Phase ID, Op, P, Time, Res, ISC. Includes stations like WEL 31 14:50:29.6z.0.7, 35.91S.178.74E, h169km, 9km, ML3.6/1, Error ellipse: s-maj=11.9km s-min=11.4km az=90.0, Off east coast of North Island

Table with columns: MXZ, PUZ, MWZ, URZ, BKZ, TSZ, Station Name, Azimuth, Elevation, SNR, and other parameters.

IDC 31 14:50:52.4, 4.9, 5.36S:148.48E, mb4.1/4, mb1.4/6, mb1mx3.8/14, ML3.3/2, MS2.7/1, Ms1.2/7.1, ms1mx2.6/15, Error ellipse: s-maj=78.8km s-min=48.6km az=66.0

NEIC 31 14:51:05.4, 3.0, 5.71S: 147.81E, h54km, 23km, Error ellipse: s-maj=24.7km s-min=24.7km az=136.0

IDC 31 14:51:06.9, 4.9, 6.05S:147.8E, 0.4, h74km, 22km, n11, o592/13, mb3.9/4, Eastern New Guinea region

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters for stations like WAU, PMG, FITZ, etc.

IDC 31 14:51:34.0, 3.0, 7.16S:173.01W, mb4.2/12, mb1.4/5.12, mb1mx4.4/16, MS3.9/7, Ms1.4/0.7, ms1mx3.8/18, Error ellipse: s-maj=36.5km s-min=16.6km az=131.0

NEIC 31 14:51:43.9, 0.5, 16.22S:173.10W, h75km, Error ellipse: s-maj=21.5km s-min=11.4km az=128.0

IDC 31 14:51:37.0, 0.5, 16.3S:173.1W, 0.2, h33km, n25, o572/18, mb4.2/13, MS4.0/6, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters for stations like RAR, URZ, RPZ, STKA, WRA, etc.

IDC 31 14:54:19.4, 1.2, 34.17N:89.19E, mb3.7/6, mb1.4/0.7, mb1mx3.7/16, MS2.9/2, Ms1.2/9.2, ms1mx2.7/18, Error ellipse: s-maj=67.3km s-min=20.6km az=56.0

NEIC 31 14:54:21.0, 3.0, 7.34N:89.22E, h10km, Error ellipse: s-maj=41.5km s-min=11.4km az=65.0

IDC 31 14:54:24.8, 2.8, 34.2N:0.2, 89.3E:0.3, h56km, 32km, n9, o1501/9, mb3.5/5, Xizang

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters for stations like LSA, CMAR, ZAL, etc.

ROM 31 15:23:23.7, 0.4, 43.98N:18.98E, h10km, MD3.6/22, ML4.0/18, Error ellipse: s-maj=3.8km s-min=2.1km az=90.0

BEO 31 15:23:24.2, 0.5, 43.84N:18.58E, h16km, 1km, NEIC 31 15:23:26.7, 4.3, 82N:18.57E, h10km, MD3.6/(ROM), ML3.9/(PD9), ML3.8(VIE), ML3.7(ZAG), After PDG.

NEIC Felt at Sarajevo. PDG 31 15:23:26.7, 0.3, 43.82N:18.57E, h10km, 1km

PDG Felt at Northern Montenegro IV-V MCS, Podgorica III-IV MCS.

IDC 31 15:23:27.4, 3.6, 43.84N:18.52E, h25km, 22km, mb3.9/8, mb1.4/0.16, mb1mx3.9/24, ML3.8/7, MS3.0/4, Ms1.3/0.4, ms1mx2.8/25, Error ellipse: s-maj=20.4km s-min=10.2km az=33.0

LDG 31 15:23:37.9, 0.3, 44.18N:17.53E, h10km, ML3.9/7, Error ellipse: s-maj=7.3km s-min=5.5km az=42.0

ISC 31 15:23:23.0, 0.3, 43.92N:0.01-18.51E, 0.02, h1km, 2km, n220, 0.1942/288, mb4.0/8, MS3.2/1, 19C-15D, Northwestern Balkan Peninsula

Main table listing stations (Code, Station Name, Azimuth, Elevation, SNR) and their corresponding seismic data (Time, Res, ISC, h, m, s, ISC).

Main table listing stations (Code, Station Name, Azimuth, Elevation, SNR) and their corresponding seismic data (Time, Res, ISC, h, m, s, ISC).

31d 18h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like CLL, BFL, RFO, MBD, etc.

DJA 31 16:20:0.1-1.0, 9.46S, 113.49E, h33km, MD4.9/4, ML4.3/2, 1C-6D, Error ellipse: s-maj=21.6km s-min=20.3km az=37.0, South of Jawa

MEX 31 16:02:13.2-0.7, 16.27N, 98.42W, h30km, 5km, MD3.7, NEIC 31 16:02:13.0, 16.24N, 98.41W, h31km, MD3.6 (MEX), After MEX

MEX 31 16:02:10.5-1.8, 16.2N, 0.2-98.41W, 0.05, h40km, 13km, n9, 0579/15, Near coast of Guerrero

NEIC 31 16:15:15.0, 43.14N, 0.66W, h2km, ML2.1 (STR), ML1.7 (LDG), After STR

2004 MAR

WB2 Warramunga Arr 19.74 161 eP P 16 26 24.0 -0.2, ASAR Alice Springs 23.13 165 P P 16 26 59.6 +1.1

MAN 31 16:23:30.0, 17.74N, 120.73E, h29km, mb4.0, ML2.8, MS2.4, LD, Luzon

IDC 31 16:51:53.6:0.8, 47.07N, 27.17W, mb3.7/8, mb1 4.0/9, mb1mx3.8/20, ML4.7/1, MS3.4/11, Ms1 3.4/11, ms1mx3.3/19, Error ellipse: s-maj=26.9km s-min=22.7km az=14.0

NEIC 31 16:51:54.8:0.5, 47.11N, 27.00W, h10km, mb3.9/6, Error ellipse: s-maj=18.0km s-min=7.8km az=4.0

ISC 31 16:51:52.6:0.6, 47.11N, 0.1-26.99W, 0.09, h10km, n27, 0589/20, mb3.9/10, MS3.4/10, Northern Mid-Atlantic Ridge

Code Station Name Az Az' Phase ID Time Res h m s ISC. Rows include stations like ABRA, SZP, APYV, CAUP, BCPH, BOLP, PALP, BALP, etc.

NEIC 31 16:56:37.1, 42.48N, 1.97E, h2km, ML2.3 (STR), After STR

MDD 31 16:56:37.9:0.3, 42.48N, 2.00E, mb1.4/3, Error ellipse: s-maj=2.9km s-min=2.5km az=83.0, PKXIMD

STR 31 16:56:37.1:0.1, 42.48N, 1.97E, h2km, 1km, ML2.3, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

ISC 31 16:56:36.9:0.5, 42.47N, 0.03-1.96E, 0.04, h2km, n18, 0584/28, Pyrenees

Code Station Name Az Az' Phase ID Time Res h m s ISC. Rows include stations like CLLI, VALF, VALF, VALF, etc.

654

EGRA Graus 1.25 258 Pg Pg 16 57 03.3 +1.4, EGRA Poblet 1.29 211 Pg Pg 16 57 02.4 -0.4

DJA 31 17:04:30.8:1.0, 9.70S, 115.97E, h15km, MD5.0/3, ML4.2/3, Error ellipse: s-maj=19.7km s-min=13.8km az=164.0

ISC 31 17:04:28.9:2.9, 9.75S, 0.1-115.94E, 0.09, h15km, n3, 05941/6, 2C-4D, South of Bali

Code Station Name Az Az' Phase ID Time Res h m s ISC. Rows include stations like RATI, INGI, KEDI, etc.

IDC 31 17:09:37.2:0.8, 27.97N, 139.64E, h521km, 9km, mb2 7/5, mb1 3.0/7, mb1mx2.8/20, Error ellipse: s-maj=22.9km s-min=13.9km az=93.0

ISC 31 17:09:36.4:0.8, 28.0N, 0.1-139.7E, 0.2, h532km, 10km, n7, 0570/8, mb3.1/5, Bonin Islands region

Code Station Name Az Az' Phase ID Time Res h m s ISC. Rows include stations like CBJU, WJU, MKAR, ASAR, ILAR, YKA, etc.

ISC 31 17:19:55.4:6.7, 37.3N, 0.3x7 2E, h150km, n13, 0550/13, Tajikistan

Code Station Name Az Az' Phase ID Time Res h m s ISC. Rows include stations like AML, UCH, EKS, AAK, KBK, TKM2, SDNR, KOLN, GKN, DMN, PKI, GUN, etc.

WEL 31 17:26:47.2:0.4, 37.80S, 176.24E, h188km, 4km, ML3.5/1, 1C, Error ellipse: s-maj=5.2km s-min=3.8km az=0.0, North Island

Code Station Name Az Az' Phase ID Time Res h m s ISC. Rows include stations like URZ, URZ, MWZ, MGZ, BKZ, BKZ, NGZ, CNZ, TUZ, PUZ, PUZ, NOZ, KHZ, KNZ, WAZ, TSZ, MSWZ, BFZ, MTW, CAW, MRW, MSWZ, NNZ, QRZ, THZ, THZ, KHZ, DSZ, LTZ, etc.

JMA 31 18:09:45.4:0.2, 24.80N, 122.64E, h111km, 3km, MD2.5, TAP 31 18:09:47.5, 24.71N, 122.55E, h98km, ML3.6

ISC 31 18:09:45.9:2.0, 24.8N, 0.2-122.7E, 0.1, h107km, 18km, n9, 0540/15, Taiwan region

Code Station Name Az Az' Phase ID Time Res h m s ISC. Rows include stations like YOJ, YOF, IRIF, HATJ, JKRS, JKRS, JIJ, JIJ, JIJ, JIJ, JIJ, JIJ, JIJ, JIJ, JIJ, etc.

GUC 31 18:10:20.5:0.8, 33.52S, 71.86W, h21km, 5km, MD3.9, ML3.8, 12C-8D, Near coast of central Chile



Table with columns: Code, Station Name, Frequency, Power, Modulation, Bandwidth, SNR, Azimuth, Elevation, and other technical details for various stations.

BJI 31 18:18:47.6, 2.28Sx128.69E, h74km, mB5.3, mb5.2, Ms4.5, Ms24.2
SYO 31 18:18:54.4, 1.69Sx128.30E, h74km, MB4.8
NEIC 31 18:18:54.5, 2.7, 1.6Sx129.30E, h74km, 27km, mb4.8/15, Error ellipse: s-maj=16.6km s-min=8.5km az=59.0

IDC 31 18:18:59.1, 3.3, 1.6Sx128.37E, h118km, 30km, mb4.2/10, mb1.4/312, mb1mx2.1/15, MS3.3/5, Ms1.3/4.5, ms1mx2.2/17, Error ellipse: s-maj=37.9km s-min=10.5km az=62.0

Table with columns: Code, Station Name, Frequency, Power, Modulation, Bandwidth, SNR, Azimuth, Elevation, and other technical details for various stations.

Table with columns: Code, Station Name, Frequency, Power, Modulation, Bandwidth, SNR, Azimuth, Elevation, and other technical details for various stations.

IDC 31 18:22:24.7, 1.1, 19.98Nx69.69W, mb3.4/3, mb1.4/0.6, mb1mx3.7/19, ML4.0/2, MS3.1/1, Ms1.3.1/1, ms1mx2.5/18, Error ellipse: s-maj=37.0km s-min=14.6km az=34.0
NEIC 31 18:22:26.7, 0.7, 19.92Nx69.93W, h10km, mb4.4/1, MD4.5(S5NC), Error ellipse: s-maj=20.7km s-min=7.9km az=203.0

IDC 31 18:22:24.9, 0.7, 19.9N, 0.1, 69.94W, 0.06, h10km, n20, c113/23, mb3.6/4, Dominican Republic region

Table with columns: Code, Station Name, Frequency, Power, Modulation, Bandwidth, SNR, Azimuth, Elevation, and other technical details for various stations.

Table with columns: Code, Station Name, Frequency, Power, Modulation, Bandwidth, SNR, Azimuth, Elevation, and other technical details for various stations.

IDC 31 18:47:39.1, 2.7, 8.19Sx119.01E, mb3.2/2, mb1.3/4/3, mb1mx3.3/12, ML3.3/1, Error ellipse: s-maj=257.0km s-min=25.4km az=52.0

DJA 31 18:47:49.4, 0.9, 8.50Sx118.39E, h184km, 16km, MD4.5/4, ML5.2/4, Error ellipse: s-maj=73.7km s-min=28.8km az=3.0

ISC 31 18:47:50.6, 1.8, 9.25S, 0.3x118.4E, 0.2, h151km, 26km, n7, c062/12, mb3.6/1, 7C-1D, Sumbawa region

Table with columns: Code, Station Name, Frequency, Power, Modulation, Bandwidth, SNR, Azimuth, Elevation, and other technical details for various stations.

JMA 31 18:50:29.5, 0.2, 24.05N, 122.86E, h11km, M2.7 TAP 31 18:50:29.5, 0.2, 24.04N, 122.64E, h5km, 1km, az=4.0

ISC 31 18:50:28.4, 2.3, 24.0N, 0.1x122.8E, 0.2, h6km, 22km, n6, c048/12, Taiwan region

Table with columns: Code, Station Name, Frequency, Power, Modulation, Bandwidth, SNR, Azimuth, Elevation, and other technical details for various stations.

IGQ 31 19:00:20.9, 1.04Sx78.38W, h8km, 1km, mb4.0, Error ellipse: s-maj=1.1km s-min=0.5km az=4.0

ISC 31 19:00:21.3, 0.5, 1.05S, 0.02x78.36W, 0.06, h5km, 7km, n25, c058/32, 9C-1D, Ecuador

Table with columns: Code, Station Name, Frequency, Power, Modulation, Bandwidth, SNR, Azimuth, Elevation, and other technical details for various stations.

GUC 31 19:17:39.9, 0.7, 33.72Sx71.67W, h44km, 2km, MD4.2, ML4.1

NEIC 31 19:17:39.9, 33.72Sx71.67W, h44km, MD4.2(GUC), After GUC

IDC 31 19:17:47.6, 5.7, 33.79Sx71.88W, h109km, 51km, mb3.5/2, mb1.3/6/4, mb1mx3.5/13, MS3.1/2, Ms1.3.1/2, ms1mx3.0/8, Error ellipse: s-maj=45.8km s-min=24.0km az=99.0

ISC 31 19:17:39.9, 0.6, 33.745S, 0.03x71.75W, 0.06, h42km, 8km, n36, c0979/41, mb3.8/2, MS3.1/1, 13C-7D, Near coast of central Chile

Table with columns: Code, Station Name, Frequency, Power, Modulation, Bandwidth, SNR, Azimuth, Elevation, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC. Includes stations like FCH Farellones, JACH Jahuel, PTCH Petorca, etc.

IDC 31 19:25:14.6; 1.2, 34.28N; 89.55E, mb3.5/5, mb1 3.7/8, mb1mx3.6/17, ML3.0/3, Error ellipse: s-maj=56.1km s-min=21.0km az=56.0

NEIC 31 19:25:16.7; 0.7, 34.37N; 89.59E, h10km, Error ellipse: s-maj=40.5km s-min=10.0km az=60.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC. Includes stations like LSA Lhasa, KKN Kakan, GKN Gorkha, etc.

DJA 31 19:39:57.6; 1.0, 7.94S; 112.90E, h160km, MD4.7/2, ML4.3/4, az=2D, Error ellipse: s-maj=77.1km s-min=25.7km az=12.0, Jaws

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC. Includes stations like KELI Kelakatan, INGI Ingas, RATI Rata, etc.

NEIC 31 20:11:18.9, 33.89S; 71.24W, h67km, MD3.9(GUC), After GUC

GUC 31 20:11:18.9; 0.8, 33.89S; 71.24W, h67km, 5km, MD3.9, ML4.1, 12C-6D, Near east of central Chile

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC. Includes stations like LNV Longovilo, TACH Talagante, CHCH Chadas Angostu, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC. Includes stations like ILCH Illapel, CMCH Combarbala, OVCH Ovalle, etc.

IDC 31 20:21:42.8; 2.6, 8.06S; 119.24E, mb3.2/2, mb1 3.4/3, mb1mx3.3/12, ML3.2/1, Error ellipse: s-maj=230.0km s-min=28.2km az=52.0, Flores region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Arcese Springs, MKAR Makanchi Array, etc.

KRSK 31 20:33:12.9; 0.6, 53.66N; 160.99E, h32km, 6km, ML4.0

ISC 31 20:33:13.0; 0.7, 53.64N; 0.03; 161.05E; 0.7, h32km, n27, s105/53, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC. Includes stations like SPN Mys Shipunski, MKZ Karymskiy, NLC Nalytchevo, etc.

CIRR Tisirik, CIRR Kozyrevsk, KOZ Koz, ESO Esso, ESO Eslo

90nm, 0.6s, KLY Klyuchi, KBTR Krutoberegovo, KBG Krutoberegovo

SRDR Sredinnyy, SRDR Shivel, SVLR Bering, BKI Bering

260nm, 1.1s, NIED 31 20:41:00.38, 90N; 141.60E, h92km, Mw3.9 Best double couple: M=38x10^14 NP1:phi=10, delta=93, NP2:phi=204, delta=11, lambda=76

IDC 31 20:41:08.8; 0.8, 38.95N; 141.57E, h67km, 6km, 6.3/6.12, mb1 3.8/13, mb1mx3.6/21, Error ellipse: s-maj=24.7km s-min=12.1km az=94.0

JMA 31 20:41:09.6; 0.1, 38.93N; 141.63E, h73km, 1km, M3.7 Broadband fault plane solution: P waves, NP1:phi=125, delta=27, lambda=144, NP2:phi=174, lambda=68, Principal axes: T Plg26, Azm74; N Plg21, Azm175; P Plg55, Azm299; JMA Felt II, J

NEIC 31 20:41:12.8; 1.3, 38.90N; 141.43E, h104km, 11km Error ellipse: s-maj=11.1km s-min=11.1km az=93.0

ISC 31 20:41:08.1; 0.6, 38.93N; 0.04; 141.69E; 0.09, h81km, 3km, n35, e087/45, mb3.8/12, 9C-ID, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC. Includes stations like OFJU Ofunoto, JMK Ichinoseki, JMO Ouri, etc.

CHZK Chikalovo, BVAR Borovoye Array, WRA Warramunga Arr

0.6nm, 0.7s, baz=4.8, slow=7.0, SNR=2.7

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ARCES ARCESS Array B, ASAR Arcese Springs, etc.

ISC 31 21:13:37.6; 2.8, 37.0N; 0.1x71.7E; 0.5, h200km, n10, e043/11, 1C-ID, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC. Includes stations like AML Almayashu, UCH Uchter, EKSZ Erkr Say, etc.

WEL 31 21:30:14.7; 0.2, 37.97S; 177.02E, h92km, 2km, ML3.6/1, 1C, Error ellipse: s-maj=2.2km s-min=1.7km az=90.0, Off east coast of North Island

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC. Includes stations like URZ Urewera, MWZ Matawai, MWZ Matakaoa Point, etc.

IDC 31 21:50:08.9; 1.2, 34.13N; 89.41E, mb3.4/5, mb1 3.6/6, mb1mx3.7/16, ML3.3/4, Error ellipse: s-maj=52.7km s-min=22.3km az=55.0

NEIC 31 21:50:11.1; 0.8, 34.28N; 89.48E, h10km, Error ellipse: s-maj=40.1km s-min=12.2km az=66.0

ISC 31 21:50:14.4; 0.2, 34.2N; 0.2; 89.5E; 0.3, h56km, 33km, n9, e088/9, mb3.4/4, Xizang

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC. Includes stations like LSA Lhasa, CMAR Chiang Mai Arr, ZAL Zalesovo, etc.

ISC 31 22:03:13.5, 36.43N; 30.71E, h55km, MD3.5

NEIC 31 22:03:23.2, 36.60N; 29.68E, h28km, MD3.1/4, ATH 31 22:03:23.2, 36.60N; 29.68E, h28km, MD3.1/4

ISC 31 22:03:14.6; 0.5, 36.48N; 0.05; 30.66E; 0.4, h57km, 10km, n27, e092/35, 1C, Turkey

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC. Includes stations like ANTB Antalya, ELL Emlali, KSK Kestelozirion, etc.

NEIC 31 22:29:36.9, 18.59N; 66.88W, h120km, mb4.4/3, MD3.8(RSPR), After RSPR

NEIC Felt III at Mayaguez, RSPR 31 22:29:36.9, 18.59N; 66.88W, h120km, 1km, M3.8 RSPR Felt in Mayaguez, Puerto Rico

ISC 31 22:29:35.9; 0.5, 18.6N; 0.1; 66.88W; 0.07, h120km, 6km, n27, e072/35, mb4.2/3, 5C-11D, Puerto Rico region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC. Includes stations like AOPR Arecibo Observ, LRS Lares

Table with columns: MPR, LSP, PORP, etc. Station Name, Time, Res, ISC. Includes stations like Mayaguez, Las Mesas, etc.

CASC 31 22:29:37.0-1.6, 12.45N, 88.02W, h36km, 999km, MD3.6, ML2.6, 4C-1D, Off coast of Central America. Table with columns: Code, Station Name, Time, Res, ISC.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like CRIN, BLML, SNVI, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like GTK, GUN, SHBG, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like PKI, KKN, DMN, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like CMAR, MKAR, KURK, etc.

Table with columns: WRA, ASAR, YKA. Station Name, Time, Res, ISC. Includes Warramunga Arr, Alice Springs, etc.

NIED 31 22:59:00, 34.90N, 136.80E, h8km, Mw3.6 Best double couple: Mb3.33x10^14 NP1.3x323, 847, 173. NP2.0x167, 346, 1108.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like TSUJ, JAA, JIE, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like JMN, JGM, JHE, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like ISR, MLR, VRI, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like SPAO, KBS, WRA, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like FITZ, WRA, WB2, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like YON, HATJ, IRIF, etc.

Table with columns: IRIF, JKRS, JKRS, etc. Station Name, Time, Res, ISC. Includes Kuro-shima, Ishigaki jima, etc.

NEIC 31 23:52:17.5, 37.16S, 177.07E, h211km, After WEL. WEL 31 23:52:17.8-0.5, 37.15S, 177.04E, h203km, 4km, ML4.3/7, 2C, Error ellipse: s-maj=4.4km s-min=4.0km az=0.0, Off east coast of North Island

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like MXZ, MWZ, PUZ, etc.

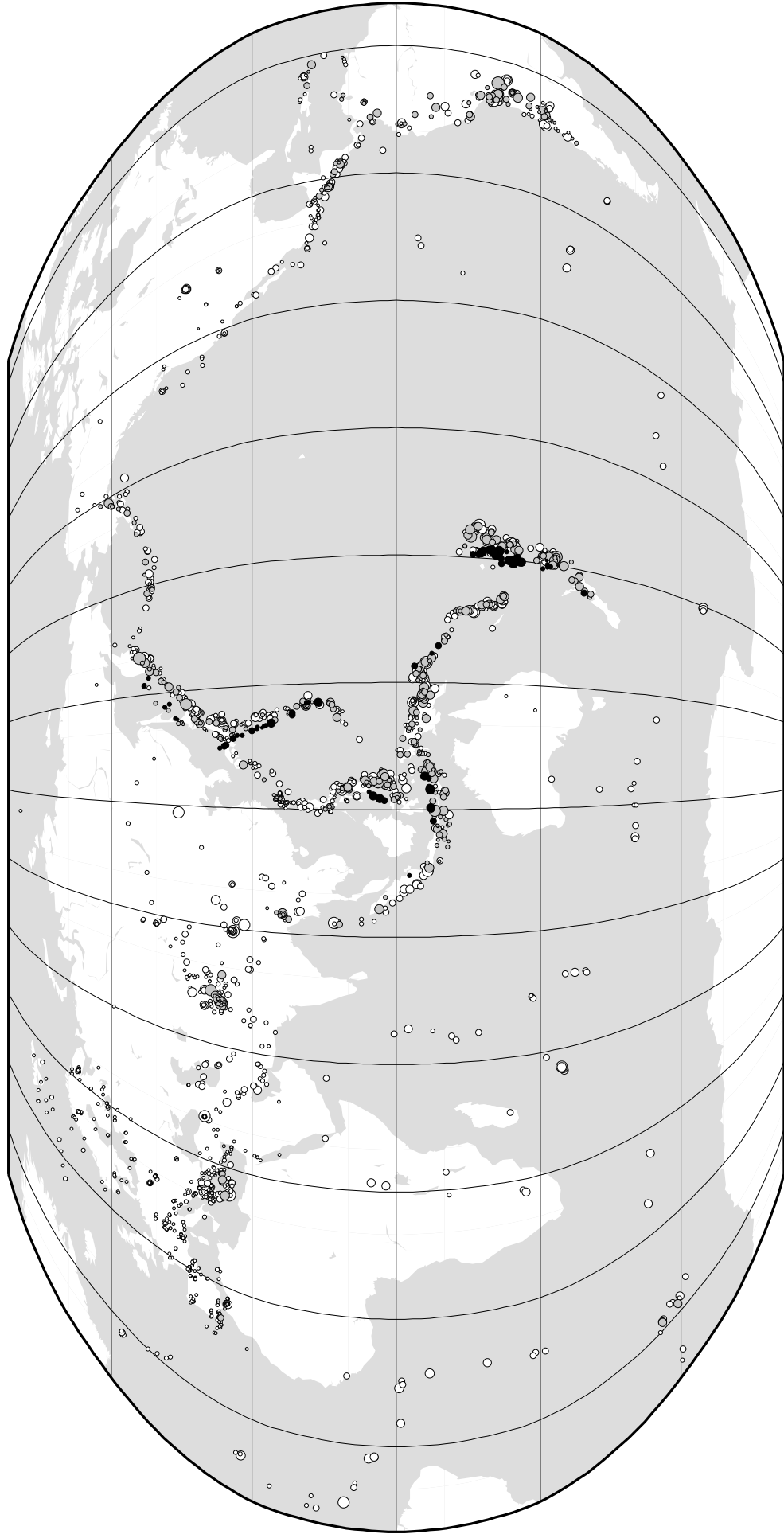
Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like LSA, MKAR, CMAR, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like SPAO, KBS, WRA, etc.

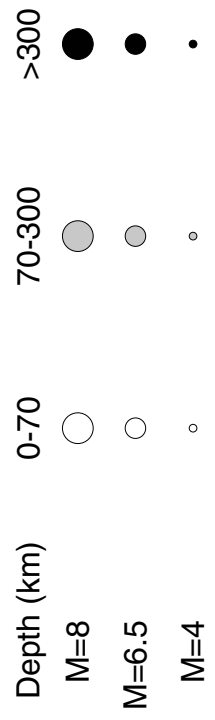
Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like SPAO, KBS, WRA, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like YON, HATJ, IRIF, etc.

# ISC Computed Locations for March 2004



Robinson Projection, centred on 0°N, 130°E



2444 Events