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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, o1, 15/21, mb4.4/9, 1C, South of Fiji Islands

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

### Epicentral Estimates

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

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

Error Ellipses - The keywords have been shortened.

### Observational Data

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

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

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

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

Station magnitude estimate - computed by the ISC.

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



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Table with columns: ILAR, COLA, MAW, GSPA, CHKZ, BRVK, OCWA, HOPS, COR, WDC, SAO, CMB, HAWA, ARU, WVOR, NVAR, MNV, DAC, TPH, BMN, NEW, YKA, YKA, HLID, MSO, DUG, MVU, BOZ, HWUT, AHID, TUC, BW06, KBS, ANMO, FFC, SDCO, RSSD, KIV, MNMX, OBN, LTX, ULM, CBKS, JCT, KMBO, HKT, JWFS, OXF, PLAL, WCI, AAM, LSZ, DPC. Each row contains station name, coordinates, and other parameters.

Table with columns: LRAL, PRU, ACCO, SCH, NKC, KHC, MYNC, GERES, MCWV, BLA, NCB, NHSC, CBN, JTS, DWPF, PQI, WVL, HRV, WES, EMMW, ESKA, BBSR, CPUP, SJG, DBIC, MEX 01:01:55:02.4:0.5, HUIG, HUIG, OXX, CMIG, EVV, IISM, POHV, PLIG, PPM, YAIG, IDC 01:02:13:23.9:5.8, WRA, ASAR, MKAR, IDC 01:02:32:45.7:0.9, NEIC 01:02:32:47.3:0.6, ZUR\_RM 01:02:32:47.5:3.85N, IDC 01:02:32:45.6:8.6, BORG, SCHO, SCHO, SCHO, EKA, FRB, JMIC, ESDC, ESDC, NOA, NOA, SADO, GERES, FCC, FINES, ACSSO, ULM. Each row contains station name, coordinates, and other parameters.

Table with columns: AKASG, YKA, YKA, YKA, BRTR, PDAR, PDAR, HWUT, ILAR, COLA, DBIC, TXAR, TXAR, NVAR, ROSS, MKAR, MKAR, SONM, ASAR, JMA 01:02:36:39.6:0.1, Code, JTK, JTK, JOU, JOU, JIH, JIH, JAM, JAGN, JAGN, NAHI, NAHI, JZK, JZK, JKE, JKE, JNN, JNN, JMZ, JMZ, MEX 01:02:52:43.9:0.6, Code, PNIG, PNIG, VHO, VHO, OXX, OXX, CMIG, CMIG, IISM, IISM, NEIC 01:03:12:19.4:0.5, NEIC 01:03:12:19.4:0.5, IDC 01:03:12:19.4:0.5, Code, WVOR, WVOR, YBH, YBH, YBH, YBH, YBH, HMO, HMO, BEKR, BEKR, WDC, WDC, KRMB, KRMB, KHMM, KHMM, BNM, BNM, YBH, YBH, WCH, WCH, KBO, KBO, KHC, KHC, KEBM, KEBM, SSOR, SSOR, COR, COR, NVAR, NVAR, ELK, ELK, MNV, MNV, MVN, MVN, HAWA, HAWA, HLID, HLID, HLID, HLID, HMO, HMO, OMM, OMM, LON, LON, TPH, TPH, BGU, BGU, BGU, BGU, HVU, HVU, DPW, DPW, SPUT, SPUT, DUG, DUG, MCMT, MCMT, NEW, NEW, HWUT, HWUT, REDW, REDW, PDAR, PDAR. Each row contains station name, coordinates, and other parameters.

Table with columns: PDAR, TXAR, YKA, ILAR. Includes station names, coordinates, and times.

MAN 01 03:19:13.8, 8.17N-126.23E, h110km, mb4.1, ML2.9, MS2.5, 2D, Mindanao

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like BIPH, BIFPH, KTFP, etc.

HEL 01 03:27:37.2, 0.4, 67.84N-20.44E, ML1.6, ML1.4(BER), ML2.1(NAO), Explosion

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like KIF, KTFP, KTK1, etc.

MAN 01 03:28:26.0, 12.70N-123.14E, h12km, mb4.3, ML3.1, MS2.8, 2C-2D, Luzon

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like MMFH, AUIP, etc.

ICD 01 03:49:18.9, 2.4, 84.85N-158.71E, mb3.7/5, mb1 3.9/5, mb1mx3.5/22, Error ellipse: s-maj=73.6km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like SONM, FINES, etc.

ICD 01 04:08:12.4, 1.6, 10.40S-123.60E, mb4.0/1, mb1 3.8/4, mb1mx3.6/13, ML3.4/3, Error ellipse: s-maj=114.0km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like FITZ, WRA, etc.

ICD 01 04:20:44.8, 1.6, 10.24S-123.89E, mb4.0/1, mb1 3.8/4, mb1mx3.6/13, ML3.4/3, Error ellipse: s-maj=116.0km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like FITZ, WRA, etc.

Table with columns: WB2, ASAR, MKAR. Includes station names, coordinates, and times.

ICD 01 04:28:55.1, 1.6, 10.37S-123.56E, mb4.0/1, mb1 3.7/4, mb1mx3.6/13, ML3.4/3, Error ellipse: s-maj=116.0km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like FITZ, WRA, etc.

ICD 01 04:30:17.7, 8.0, 6.15S-145.86E, h111km, 57km, mb3.2/2, mb3 6/11, mb1 3.9/11, mb1mx3.7/18, Error ellipse: s-maj=94.9km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like PMG, WRA, etc.

ICD 01 04:31:57.5, 7.3, 15.17S-178.39W, h377km, 78km, mb3 6/11, mb1 3.9/11, mb1mx3.7/18, Error ellipse: s-maj=26.1km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like URZ, RPZ, etc.

ICD 01 04:31:59.0, 4.2, 15.19S-178.42W, h395km, 44km, mb4.2/4, NEIC 01 04:31:59.0, 4.2, 15.19S-178.42W, h395km, 44km, mb4.2/4, Error ellipse: s-maj=17.1km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like ARMA, CTA, etc.

MAN 01 04:32:13.0, 0.83N-124.67E, h22km, MS4.7, MAN F INTENSITY III - ANDA BOHOL INTENSITY II - DUERO

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like ILAR, TXAR, etc.

MOS 01 04:32:18.5, 1.0, 9.89N-125.03E, h106km, mb5.2/12, Error ellipse: s-maj=28.3km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like SCBP, TBP, etc.

ICD 01 04:32:20.7, 3.0, 9.82N-124.81E, h96km, 27km, mb4.2/17, mb1 4.4/19, mb1mx3.3/22, MS4.0/3, Ms1 4.1/3, ms1mx3.7/30, Error ellipse: s-maj=27.8km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like FITZ, WRA, etc.

Table with columns: AAP, DAV, IPI, etc. Includes station names, coordinates, and times.

ICD 01 04:34:24.2, 1.0, 10.78S-101.123.9E, 0.2, h100km, n5, 0.92/9, mb3.9/1, Timor region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like FITZ, WRA, etc.

ICD 01 04:30:17.7, 8.0, 6.15S-145.86E, h111km, 57km, mb3.2/2, mb3 6/11, mb1 3.9/11, mb1mx3.7/18, Error ellipse: s-maj=94.9km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like PMG, WRA, etc.

ICD 01 04:31:57.5, 7.3, 15.17S-178.39W, h377km, 78km, mb3 6/11, mb1 3.9/11, mb1mx3.7/18, Error ellipse: s-maj=26.1km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like URZ, RPZ, etc.

ICD 01 04:31:59.0, 4.2, 15.19S-178.42W, h395km, 44km, mb4.2/4, NEIC 01 04:31:59.0, 4.2, 15.19S-178.42W, h395km, 44km, mb4.2/4, Error ellipse: s-maj=17.1km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like ARMA, CTA, etc.

MAN 01 04:32:13.0, 0.83N-124.67E, h22km, MS4.7, MAN F INTENSITY III - ANDA BOHOL INTENSITY II - DUERO

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like ILAR, TXAR, etc.

MOS 01 04:32:18.5, 1.0, 9.89N-125.03E, h106km, mb5.2/12, Error ellipse: s-maj=28.3km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like SCBP, TBP, etc.

ICD 01 04:32:20.7, 3.0, 9.82N-124.81E, h96km, 27km, mb4.2/17, mb1 4.4/19, mb1mx3.3/22, MS4.0/3, Ms1 4.1/3, ms1mx3.7/30, Error ellipse: s-maj=27.8km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like FITZ, WRA, etc.



Table of flight data for the left half of the page. Columns include flight number, aircraft type, origin, departure time, arrival time, and status. Examples include ENH 9305 315, LVC 04 53 02.5 +7.0, and MDJ 04 53 18.1 +3.6.

Table of flight data for the right half of the page. Columns include flight number, aircraft type, origin, departure time, arrival time, and status. Examples include WVOR 113.97 52, ELK 114.55 56, and YAK 114.59 343.

Table of flight data for the right half of the page. Columns include flight number, aircraft type, origin, departure time, arrival time, and status. Examples include HRV 141.64 79, WES 141.73 79, and WVW 143.85 77.

ESK Eskdalemuir 170.27 311 PFAKE LR 05 00 00.0 +15
ESK comp=z,856nm,21.0s

WRA Warramunga Arr 27.76 161 P 04 56 12.0 -1.9
ASAR Alice Springs 31.14 164 P 04 56 41.8 -2.3
MKAR Makanchi Array 54.36 325 P 04 59 48.9 -2.2

KRSC 01 05:10:10.9:1.2.55.040.162.31E, h28km, ML4.0,
Near east coast of Kamchatka Peninsula

SPN Mys Shipunski 2.37 216 eP Pn 05 10 48.2 -0.6
SPN NLC Nalytchevo 2.56 224 eP Sn 05 10 15.5 0.0
SDLR Sedlovina 2.68 230 eP Sn 05 10 53.6 +0.0

TUMR Tumrok 1.27 282 eP Pn 05 10 33.0 0.0
KMNRR Kamenistaya 1.38 302 eP Pn 05 10 49.9 +0.4
KMNRR Kozyrevesk 1.72 307 eP Pn 05 10 39.7 +0.2

SPN Mys Shipunski 2.37 216 eP Pn 05 10 48.2 -0.6
SPN NLC Nalytchevo 2.56 224 eP Sn 05 10 15.5 0.0
SDLR Sedlovina 2.68 230 eP Sn 05 10 53.6 +0.0

UCR 01 05:10:20.1, 13.73N,85.26W, h51km, MD3.6
INET 01 05:10:21.1, 10.63N,87.17W, h2km, MD3.4
CASC 01 05:10:22.6:2.1, 10.57N,87.18W, h36km, g99km, MD3.5

WCZ Waipu Caves 23.17 206 eP P 05 49 03.3 +1.2
KUZ Kuautou 23.33 202 eP P 05 49 02.4 +2.2
TVO Taravao 23.37 99 eP P 05 49 00.5 -0.1

FITZ Fitzroy Crossi 7.47 166 eP Op 05 16 26.3 0.0
FITZ 4.2nm,0.3s
FITZ Fitzroy Crossi 7.47 166 Pn 05 17 50.7 +0.7

KAKA Kakadu 8.70 103 eP P 05 16 43.0 +0.3
WRA Warramunga Arr 13.67 133 Pn 05 18 22.4 +2.8
WRA Warramunga Arr 13.67 133 Pn 05 18 22.4 +2.8

ASAR Alice Springs 16.04 144 Pn 05 18 20.4 +1.7
ASAR 16.04 144 Pn 05 18 20.4 +1.7
PMG Port Moresby 23.11 89 P 05 19 30.8 -4.4

WEL 01 05:19:56.4:8.9, 1.97N,125.83E,mb3.8/3,mb1 4.0/4,
mb1mx3.6/17,ML3.4/1, Error ellipse: s-maj=150.0km
s-min=117.6km az=120.0, Northern Molouca Sea

FITZ Fitzroy Crossi 19.95 181 Pn 05 24 30.8 -2.3
WRA Warramunga Arr 23.32 159 P 05 25 05.4 -1.9
ASAR Alice Springs 22.61 163 P 05 25 37.1 -2.0

TWZ Taurewa 0.67 209 Pn 05 22 34.3 -0.3
NGZ Ngauruhoe 0.72 196 Pn 05 22 34.8 -0.3
CNZ Chateau 0.81 198 Pn 05 22 35.2 -0.3

BKZ Black Stump Fm 0.85 144 P 05 22 35.9 +0.1
BKZ SN 05 22 35.9 +0.1
MOVZ Moawhango 0.93 185 Pn 05 22 36.0 -0.4

URZ Urewera 1.01 78 Pn 05 22 36.3 -0.2
URZ SN 05 22 36.3 -0.2
MWZ Matawai 1.83 34 Pn 05 22 40.0 -1.1

MOS 01 05:43:56.0:0.9, 15.29S,173.45W, h51km, mb5.7/4.1,
Error ellipse: s-maj=14.7km s-min=7.7km az=59.5
BUJ 01 05:43:57.9, 15.08S,173.18W, h68km, mb5.6, mb5.1,
M5s.3, M5z.1

HRVD 01 05:43:58.4:0.2, 15.33S,173.06W, h76km, mb5.8/7.3,
Centroid moment tensor solution. LP body waves:
s55c,110,Manile waves: s73,c152; Half duration: 1.99

SYO 01 05:43:58.4:0.1, 15.35S,173.55W, h63km, MB5.4
Error ellipse: s-maj=6.7km s-min=3.0km az=127.0

NEIC 01 05:43:58.4:0.1, 15.35S,173.55W, h63km, MB5.4
Error ellipse: s-maj=6.7km s-min=3.0km az=127.0

RAR Rarotonga 14.27 116 P 05 47 12.3 -4.9
RAR 13nm,0.3s,baz=251,slo=6.9,SNR=22
RAR 11nm,0.3s,baz=140,slo=20,SNR=5.6

WCZ Waipu Caves 23.17 206 eP P 05 49 03.3 +1.2
KUZ Kuautou 23.33 202 eP P 05 49 02.4 +2.2
TVO Taravao 23.37 99 eP P 05 49 00.5 -0.1

MTAZ Motutapu 23.67 204 P 05 49 05.4 +3.0
PUZ Puketiti 23.74 196 P 05 49 04.9 +0.3
PUZ Puketiti 23.74 196 P 05 49 05.2 +1.2

MWZ Matawai 24.19 197 P 05 49 08.9 +0.5
MWZ Matawai 24.19 197 P 05 49 08.9 +0.5
URZ Urewera 24.24 198 P 05 49 08.1 +0.6

HIZ Hauri 25.21 202 P 05 49 19.2 +0.9
RAEZ Rainy Point 26.07 202 P 05 49 28.9 +2.7
RAEZ Rainy Point 26.07 202 P 05 49 28.9 +2.7

ODZ Otahua Downs 32.45 201 P 05 50 22.6 -0.6
ODZ Otahua Downs 32.45 201 P 05 50 22.7 -0.5
AXZ Alexandra 33.11 202 P 05 50 27.6 -1.3

ODZ Otahua Downs 32.45 201 P 05 50 22.6 -0.6
ODZ Otahua Downs 32.45 201 P 05 50 22.7 -0.5
AXZ Alexandra 33.11 202 P 05 50 27.6 -1.3

CFA Charters Tower 38.54 257 eP P 05 51 13.9 -1.2
CFA comp=z,25nm,0.5s,mb5.2,baz=85,slo=10,SNR=40

CTA Charters Tower 38.54 257 eP P 05 51 14.4 -0.7
CTA comp=z,4.9m,20.1s,baz=89,slo=33

CTA Charters Tower 38.54 257 eP P 05 51 14.4 -0.7
CMB Canberra Magne 38.67 232 P 05 51 15.5 -0.5
CMB comp=Z,50nm,0.8s,mb5.3
PMG Port Moresby 38.83 274 eP P 05 51 16.4 -1.1

PMG Port Moresby 38.83 274 eP P 05 51 18.4 +0.9
PMG comp=Z,1.1um,19.6s,baz=282,slo=34

PMG Port Moresby 38.83 274 eP P 05 51 18.4 +0.9
PMG comp=Z,6.2nm,0.9s

WRA Warramunga Arr 49.74 257 P 05 52 43.6 -1.6
WRA comp=Z,64nm,0.4s,mb6.0,baz=91,slo=6.9,SNR=12.5

WRA Warramunga Arr 49.74 257 P 05 52 43.6 -1.6
WRA comp=Z,64nm,0.4s,mb6.0,baz=91,slo=6.9,SNR=12.5

WRA Warramunga Arr 49.74 257 P 05 52 43.6 -1.6
WRA comp=Z,64nm,0.4s,mb6.0,baz=91,slo=6.9,SNR=12.5

SBA Scott Base 63.25 185 eP Pmax 05 54 21.8 +1.1
SBA 63.25 185 eP Pmax 05 54 21.8 +1.1

VNDA Vanda 63.28 186 eP Pmax 05 54 22.3 +0.7
VNDA 63.28 186 eP Pmax 05 54 22.3 +0.7

NWAO Narrogin 64.53 241 eP P 05 54 29.2 -0.5
NWAO Narrogin 64.53 241 eP P 05 54 29.2 -0.5

NWAO Narrogin 64.53 241 eP P 05 54 29.2 -0.5
NWAO Narrogin 64.53 241 eP P 05 54 29.2 -0.5

SAN San Andreas Ge 71.39 42 eP Pmax 05 55 11.0 -1.3
SAN comp=Z,54nm,1.2s,mb5.3

YVH Yreka Blue Hor 73.66 37 eP Pmax 05 55 25.8 +0.3
YVH comp=Z,5.6nm,1.0s,mb4.5

YVH Yreka Blue Hor 73.66 37 eP Pmax 05 55 25.8 +0.3
YVH comp=Z,5.6nm,1.0s,mb4.5

YVH Yreka Blue Hor 73.66 37 eP Pmax 05 55 25.8 +0.3
YVH comp=Z,5.6nm,1.0s,mb4.5





Table with columns for station name, frequency, power, and other technical details. Includes stations like LZH, VNA2, MAIT, ULM, FVM, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like RAC, DPC, NIEDZICA, BOYBT, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like DAVA, LOMF, OBKA, GMINA, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include stations like Pradon, Calern, Revere, etc.

IDC 01 06:02:17.8-1.0, 10.30Sx123.73E, mb4.1/5, mb1 4.2/8, mb1mx4.1/14, ML4.0/3, Error ellipse: s-maj=93.2km

NEIC 01 06:02:22.8-0.4, 10.16Sx124.12E, h35km, mb4.4/1, Error ellipse: s-maj=17.6km s-min=6.9km az=60.0

ISC 01 06:02:26.9-1.9, 10.77Sx0.08x123.69E, 0.09, h112km, 20km, n18, c1912/24, mb4.0/6, Timor region

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

DJA 01 06:08:22.3-0.8, 9.00Sx-115.24E, h35km, 5km, ML4.2-2.0, 2C-2D, Error ellipse: s-maj=26.9km s-min=5.7km az=50.0, Bali region

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

IDC 01 06:10:07.5-9.5, 10.75Sx123.43E, h74km, 111km, mb3.9/1, mb1 3.7/4, mb1mx3.4/13, ML3.3/3, Error ellipse: s-maj=87.1km s-min=64.1km az=64.0

ISC 01 06:10:09.9-2.1, 10.82Sx0.09x123.7E, 0.1, h122km, 23km, n7, c1914/13, mb4.0/1, Timor region

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

ASAR S S 06 16 44.6 +0.8
MKAR Makanchi Array 68.23 331 P P 06 20 59.1 -0.3
MOS 01 06:10:51.0-0.8, 18.19Nx68.55W, h10km, mb5.1/5, Error ellipse: s-maj=25.4km s-min=16.1km az=81.7

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include stations like MPR, MPR, MPR, etc.

IDC 01 06:11:00.5-0.2, 18.20Nx0.03x68.59W, 0.02, h87km, h87km, 1.9km, pP-P, n198, c0887/217, mb4.6/85, 23C-5D, Mona Passage

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

ROSC 2.1nm, 0.3s, baz=26, slow=22, SNR=2.8

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include stations like BBSR, DWPF, etc.

OTAV Otavalo 23nm, 0.7s

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include stations like MYNC, MYNC, MYNC, etc.

SADO Sadowa 27.93 344 P P 06 16 44.2 -0.3

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include stations like SADO, SADO, SADO, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Rows include stations like MNTX, MNTX, MNTX, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SSF Saint Saulge, SMF Signal de Mont, LOR Lorme, LASF Ste Croix, VIVF Saint-Julien, GIVF Givet, MEZF Maizieres J'vi, SMRF Simiane la Rot, ORIF Oris-en-Rattie, CABF La Chapelle, LMR La Moure, HINF Hinterfeld, LPL La Plagne, LPG La Plagne, MBSF Montbardon, CDF Champ du Feu, SBF Sospel, ILAR Eielson Array, ILAR 2.5nm, 0.7s, mb4.1, PGF Pioggiola, COLA College, DAVOX Davos, NOA NORSAR Array B, NOA NORSAR Array B, MCK McKinley, GRA Grafenberg Arr, GRA Grafenberg Arr, GRF comp=Z, 1.1nm, 1.3s, mb4.5, CLL Collim, BRG Bergjesshubel, BRG comp=Z, 6.0nm, 0.6s, mb4.6, GERES GEREZ Array B, GERES comp=Z, 2.3nm, 0.7s, mb4.1, ARCES ARCESS Array B, AREGO ARCESS Array S, VYHS Vyhne, OJVC Ojow, NIE Niedzica, KECS Kecov, FINES FINES Array B, FINES FINES Array B, CRVS Cervenica-Dubn, AKASG Malin Arry Be, OBN Obninsk, OBN comp=Z, 1.4nm, 0.5s, mb5.0, BRTR Keskin Array B, TIXI Tiksi, TIXI comp=Z, 2.0nm, 0.8s, mb4.3, KIV Kislovodsk, KIV comp=Z, 1.2nm, 1.2s, mb5.0, SONM Sogingo Array, INCN Incheon, WRA Warramunga Arr, ASAR Alice Springs, BER 01 07:13:30.8, NAO 01 07:13:30.4, KDS Kingsbay, SPA0 Spitsbergen Ar, SPA0 comp=Z, 252, slow=22, IDC 01 07:14:09.1, IDC 01 07:14:07.2, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, KAKA Kakadu, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ASAR 0.1nm, 0.3s, mb3.3, MKAR Makanchi Array, IDC 01 07:15:45.0, IDC 01 07:15:42.9, IDC 01 07:15:42.9, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, VVDA Vanda, IDC 01 07:24:15.2

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations: CMAR Chiang Mai Arr, MKAR Makanchi Array, SONM Sogingo Array, WRA Warramunga Arr, ASAR Alice Springs, MEX 01 07:32:48.5, IDC 01 07:32:48.3, NEIC 01 07:32:49.8, ISC 01 07:32:47.3

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations: CGX Ciudad Guzman, ZIIG Zihuatajejo, ZIIG Zihuatajejo, ZIIG Zihuatajejo, CJM Chameia, CJM Santa Fe, MOIG Morelia, MOIG Morelia, MOIG Platanillo, PLIG Platanillo, PLIG Platanillo, PPM Popocatepeti, PPM Popocatepeti, TXAR Lajitas Array, TXAR Lajitas Array, NVAR Mena Array Bea, ILAR Eielson Array

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations: IDC 01 07:38:26.8, IDC 01 07:38:26.8, WNA1 Neumayer-Watz, WNA2 Neumayer-Stat, WNA3 Neumayer Olym, ASAR Alice Springs, WRA Warramunga Arr, YKA Yellowknife Arr, YKA Yellowknife Arr, JMA 01 07:55:02.2, JTH Tanohata, MINJ Miyoko 2, MINJ Miyoko 2, JANG Nango, JANG Ohasama, JMK Ichinoseki, JMK Ichinoseki, JNK Urakawa-nobuka, JOT Ohata, JCH Churei, JYK Kanyama, JKB Kayabe, JMM Marumori, JAK Akkeshi, NEM2 Nemuro 2, JTRK Abashiri-Toko, JTRK Abashiri-Toko, JHR Hokuryu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations: IDC 01 07:57:24.9, WRA Warramunga Arr, ASAR Alice Springs, ASAR 0.4nm, 0.6s, STKA Stephens Creek, STKA Stephens Creek, MKAR Makanchi Array, ARCES ARCESS Array B, NEIC 01 07:58:18.4, WEL 01 07:58:18.4, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations: TGRZ Tauranga, TGRZ Tauranga, URZ Urewera, URZ Urewera, KUZ Kuaotunu, KUZ Kuaotunu, MWZ Matawai, MWZ Matawai, MWZ Matawai, MXZ Matakaoa Point, MXZ Matakaoa Point, MXZ Matakaoa Point, PUK Puketiti, PUK Puketiti, BKZ Black Stump Fm, BKZ Black Stump Fm, TWZ Taureua, TWZ Taureua, NGZ Ngauruhoe, NGZ Ngauruhoe, CNZ Chateau, CNZ Chateau, TUZ Tukino, TUZ Tukino, TUZ Tukino, FVWZ Far West T-bar, FVWZ Far West T-bar, DRZ Dome Shelter

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations: DRZ Dome Shelter, DRZ Dome Shelter, WNVZ Wahianoa, MOVZ Moawhango, VRZ Vera Road, VRZ Vera Road, PWZ Pawanui, PWZ Pawanui, WAZ Wanganui, WAZ Wanganui, TSZ Takapari Road, TSZ Takapari Road, BFZ Birch Farm, BFZ Birch Farm, MRZ Mangatainoka, MRZ Mangatainoka, KIWI Kapiti Island, KIWI Kapiti Island, MTW Mount Morrison, MTW Mount Morrison, CAW Cannon Point, CAW Cannon Point, CAW Cannon Point, MRW Makara Radio, MRW Makara Radio, WEL Wellington, WEL Wellington, MSWZ Moikau Station, MSWZ Moikau Station, SNZO South Starori, SNZO South Starori, BHW Baring Head, BHW Baring Head, TUWZ Tuamarina, TUWZ Tuamarina, NNZ Nelson, NNZ Nelson, ORZ Quartz Range, ORZ Quartz Range, THZ Tophouse, THZ Tophouse, KHZ Kahutara, KHZ Kahutara, KHZ Kahutara, KHZ Kahutara, DSZ Deniston North, DSZ Deniston North, LZZ Lake Taylor, LZZ Lake Taylor, LZZ Lake Taylor, MOZ McQueen's Vall, MOZ McQueen's Vall, MOZ McQueen's Vall, WVZ Waitaki Valley, RPZ Rata Peaks, RPZ Rata Peaks, LBZ Lake Benmore, LBZ Lake Benmore, ODZ Otauhu Downs, ODZ Otauhu Downs

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations: IDC 01 08:01:17.4, IDC 01 08:01:17.4, NEIC 01 08:01:23.3, NEIC 01 08:01:23.3, IDC 01 08:01:22.6, IDC 01 08:01:22.6, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations: SAPN Saipan, WRAB Tennant Creek, WRA Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, SONM Sogingo Array, MKAR Makanchi Array, KURK Kurchatov, ILAR Eielson Array, BVAR Boromoye Arr, DBIC Dimbokro

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations: BUJ 01 08:04:17.6, MOS 01 08:04:20.4, NEIC 01 08:04:27.5, NEIC 01 08:04:27.5, IDC 01 08:04:27.5, IDC 01 08:04:27.5, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations: MSLP Maasin, MSLP Maasin, SCPH Surigao, SCPH Surigao, TBP Tagbilaran, TBP Tagbilaran, LLP Lupa-Lupa, LLP Lupa-Lupa, BUTP Batuan, BUTP Batuan, OCLP Ormoc, OCLP Ormoc, CGP Cagayan de Oro, CGP Cagayan de Oro, PALO Palo, PALO Palo, PLP Sibulan, PLP Sibulan, SNPH Sibulan, SNPH Sibulan, BORON Borongan, BORON Borongan, BESP BESP, BUKP Musanan, BUKP Musanan, GUIM Jordan, GUIM Jordan, GUIM Jordan, PAGZ Pagadan, PAGZ Pagadan, CTBH Cotabato-PC H, CTBH Cotabato-PC H, CTBH Roxas, CTBH Roxas, CNP Catarman, CNP Catarman, CNP Kidapawan, CNP Kidapawan, KCP KCP, MIMP Masbate, MIMP Masbate, DAV Davao City (W), DAV Davao City (W), IPIL Ipil, IPIL Ipil, MATI Mati, MATI Mati, ODI Odiangon, ODI Odiangon, OTRP Virac, OTRP Virac, PUCV Cuyo Island, PUCV Cuyo Island, CUYO Cuyo Island, CUYO Cuyo Island, SJMP San Jose, SJMP San Jose, BOAC Boac, BOAC Boac, BUSP Coron, BUSP Coron, BUSP Coron, LUKBAN Lukan, LUKBAN Lukan, ENPP El Nido, ENPP El Nido, TGY Tagaytay City, TGY Tagaytay City, LUBANG Lubang, LUBANG Lubang, PCPH Pagan, PCPH Pagan, BATP Bataraza, BATP Bataraza

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations: BER 01 07:13:30.8, NAO 01 07:13:30.4, KDS Kingsbay, SPA0 Spitsbergen Ar, SPA0 comp=Z, 252, slow=22, IDC 01 07:14:09.1, IDC 01 07:14:07.2, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, KAKA Kakadu, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ASAR 0.1nm, 0.3s, mb3.3, MKAR Makanchi Array, IDC 01 07:15:45.0, IDC 01 07:15:42.9, IDC 01 07:15:42.9, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, VVDA Vanda, IDC 01 07:24:15.2

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations: IDC 01 07:57:24.9, WRA Warramunga Arr, ASAR Alice Springs, ASAR 0.4nm, 0.6s, STKA Stephens Creek, STKA Stephens Creek, MKAR Makanchi Array, ARCES ARCESS Array B, NEIC 01 07:58:18.4, WEL 01 07:58:18.4, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations: TGRZ Tauranga, TGRZ Tauranga, URZ Urewera, URZ Urewera, KUZ Kuaotunu, KUZ Kuaotunu, MWZ Matawai, MWZ Matawai, MWZ Matawai, MXZ Matakaoa Point, MXZ Matakaoa Point, MXZ Matakaoa Point, PUK Puketiti, PUK Puketiti, BKZ Black Stump Fm, BKZ Black Stump Fm, TWZ Taureua, TWZ Taureua, NGZ Ngauruhoe, NGZ Ngauruhoe, CNZ Chateau, CNZ Chateau, TUZ Tukino, TUZ Tukino, TUZ Tukino, FVWZ Far West T-bar, FVWZ Far West T-bar, DRZ Dome Shelter

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations: IDC 01 08:01:17.4, IDC 01 08:01:17.4, NEIC 01 08:01:23.3, NEIC 01 08:01:23.3, IDC 01 08:01:22.6, IDC 01 08:01:22.6, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations: SAPN Saipan, WRAB Tennant Creek, WRA Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, SONM Sogingo Array, MKAR Makanchi Array, KURK Kurchatov, ILAR Eielson Array, BVAR Boromoye Arr, DBIC Dimbokro





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Table with columns for station call letters, station name, frequency, power, distance, and other technical details. Includes stations like SOC, PDAR, DAWY, etc.

2004 JUL

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

1d 8h

Table with columns for station call letters, station name, frequency, power, distance, and other technical details. Includes stations like FX1, WMO, PET, etc.





2004 JUL

1d 9h

Table of station data for stations 15 through 430, including columns for call letters, name, frequency, time, and other parameters.

Table of station data for stations 431 through 860, including columns for call letters, name, frequency, time, and other parameters.

Table of station data for stations 861 through 1300, including columns for call letters, name, frequency, time, and other parameters.

1d 9h

2004 JUL

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HLID Hailey, PV10 Paradox Valley, MCK McKinley, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CHKZ Chkalovo, ASAR Alita Springs, KMBQ Kilima Bogob, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ELAN Lanostosa, DAG Danmarks Havn, DAG Danmarks Havn, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BER 01 09:00:21.9,2.2,61.58N-13.85E,ML2,1(NAO), NAO 01 09:00:20.8,2.0,61.61N-13.82E,ML2,1,Sweden

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BORJ Borgarnes, ADH Angra Heroismo, DCN Croghan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PBEJ Beja, PBEJ Guadarrama, SJPF Ste Jean, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like FUNV 01 09:11:24.2,9.0,16N-73.16W,h0km,MW2.7, UAV 01 09:11:25.4,9.32N,73.16W,h99km,2C-1D,Northern Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BORG Borgarnes, ADH Angra Heroismo, DCN Croghan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PBEJ Beja, PBEJ Guadarrama, SJPF Ste Jean, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 01 09:19:38.9,0.8,6.33N-92.17E,mb4.2/8,mb1 4.4/9, Error ellipse: s-maj=33.9km s-min=17.2km az=54.0, NEIC 01 09:19:40.6,0.5,6.34N-92.12E,h10km,mb4.6/12, Error ellipse: s-maj=13.1km s-min=8.6km az=65.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BORG Borgarnes, ADH Angra Heroismo, DCN Croghan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PBEJ Beja, PBEJ Guadarrama, SJPF Ste Jean, etc.



Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like VOR, SJG, KSUI, IALK, INK, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like DPW, HWUT, RW3, ILAR, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like SKLM, SPU, AB31, TNA, etc.

Table of astronomical data for 2004 JUL, listing various celestial objects (KSH, ZAK, BDFB, etc.) with their coordinates, magnitudes, and other parameters.

Table of astronomical data for 2004 JUL, listing various celestial objects (MAJO, KIP, ENH, etc.) with their coordinates, magnitudes, and other parameters.

Table of astronomical data for 2004 JUL, listing various celestial objects (VRT, BINT, GUMT, etc.) with their coordinates, magnitudes, and other parameters.



Table with columns: MOX, Moxa, 152.09 351, i P, PKPdf, 09 51 46.1 +5.5, etc.

BJI 01 09:36:42.2, 54.20N, 35.20W, h10km, mb4.5, Ms4.1, Ms2.4

IDC 01 09:36:44.5, 1.0, 54.07N-35.16W, mb3.8/12, mb1 4.1/15, mb1mx4.0/27, ML3.2/3, MS4.3/1, Ms1 4.2/1, ms1mx3.3/30, Error ellipse: s-maj=33.1km s-min=13.7km az=0.0

NEIC 01 09:36:46.3, 0.5, 54.16N-35.15W, h10km, mb4.1/5, Error ellipse: s-maj=13.7km s-min=6.3km az=173.0

ISC 01 09:36:44.0, 0.5, 54.2N, 0.1, 35.15W, 0.09, h10km, n33, 0586/31, mb4.0/19, MS4.1/2, Reykjanes Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, etc.

IDC 01 09:45:08.1, 3.3, 53.95N, 35.28W, mb3.3/3, mb1 3.8/4, mb1mx3.5/24, ML2.5/1, Error ellipse: s-maj=108.0km s-min=25.0km az=15.0, Reykjanes Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, etc.

IDC 01 09:51:40.2, 0.2, 23.45S, 175.38W, mb4.2/9, mb1 4.5/10, mb1mx4.3/18, ML4.6/1, Error ellipse: s-maj=111.0km s-min=19.7km

ISC 01 09:51:42.8, 0.8, 23.9S, 0.1, 175.2W, 0.2, h33km, n15, 0560/13, mb4.1/9, 2C, Tonga Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, etc.

Table with columns: ILAR, Eielson Array, 91.09 12 P, P, 10 04 44.0 -0.9, etc.

THE 01 10:02:04.6, 4.1, 15N-25.07E, h1km, ML3.1

ATH 01 10:02:04.4, 4.1, 31N-25.10E, h4km

ISC 01 10:02:04.0, 0.7, 4.118N, 0.06, 25.06E, 0.03, h1km, n9, 0558/16, Greece-Bulgaria border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, etc.

MAN 01 10:05:35.5, 15.65N, 119.16E, h4km, mb4.7, ML3.6, MS3.6

NEIC 01 10:05:45.7, 2.0, 15.46N, 119.39E, h89km, mb4.4/3, Error ellipse: s-maj=37.7km s-min=12.0km az=67.0

IDC 01 10:05:46.5, 0.7, 15.55N, 119.64E, h91km, mb3.6/8, mb1 3.8/8, mb1mx3.6/18, Error ellipse: s-maj=43.3km s-min=11.5km az=67.0

ISC 01 10:05:35.6, 0.5, 15.61N, 0.04, 119.16E, 0.05, h10km, (h72km, 5.7km, pp-P), n35, 0542/38, mb4.0/11, 3C-1D, Luzon

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, etc.

BALP Baler, 2.33 86 eP, Pn, 10 06 15.1 +0.4

ASAR Alice Springs, 41.61 159 eP, P, 10 13 23.8 -1.9

ASAR Alice Springs, 41.61 159 eP, P, 10 13 23.8 -1.9

ASAR Alice Springs, 41.61 159 eP, P, 10 13 23.8 -1.9

ASAR Alice Springs, 41.61 159 eP, P, 10 13 23.8 -1.9

ASAR Alice Springs, 41.61 159 eP, P, 10 13 23.8 -1.9

ASAR Alice Springs, 41.61 159 eP, P, 10 13 23.8 -1.9

ASAR Alice Springs, 41.61 159 eP, P, 10 13 23.8 -1.9

ASAR Alice Springs, 41.61 159 eP, P, 10 13 23.8 -1.9

ASAR Alice Springs, 41.61 159 eP, P, 10 13 23.8 -1.9

ASAR Alice Springs, 41.61 159 eP, P, 10 13 23.8 -1.9

ASAR Alice Springs, 41.61 159 eP, P, 10 13 23.8 -1.9

ASAR Alice Springs, 41.61 159 eP, P, 10 13 23.8 -1.9

ASAR Alice Springs, 41.61 159 eP, P, 10 13 23.8 -1.9

ASAR Alice Springs, 41.61 159 eP, P, 10 13 23.8 -1.9

ASAR Alice Springs, 41.61 159 eP, P, 10 13 23.8 -1.9

ASAR Alice Springs, 41.61 159 eP, P, 10 13 23.8 -1.9

ASAR Alice Springs, 41.61 159 eP, P, 10 13 23.8 -1.9

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, etc.

Table with columns: TKR, Karakay, 171 85 ePN, Pn, 10 24 12.2 +0.2, etc.

BJI 01 10:26:10.6, 14.33S, 178.21W, h302km, mb4.7, mb4.6

NEIC 01 10:26:13.1, 0.3, 14.83S, 178.01W, h325km, mb4.2/11, Error ellipse: s-maj=14.2km s-min=7.0km az=139.0

IDC 01 10:26:17.6, 0.5, 14.95S, 178.01W, h369km, 50km, mb3.5/16, mb1 3.7/14, mb1mx3.7/19, Error ellipse: s-maj=25.0km s-min=15.6km az=149.0

ISC 01 10:26:11.9, 0.4, 14.80S, 0.10, 178.09W, 0.09, h325km, n77, 0588/38, mb4.0/26, 2C-3D, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Champ du Feu, La Druitiere, GRRR, Saint Gilles, etc.

IDC 01 10:32:05.4.2.3, 1.07S, 127.31E, mb3.5/2, mb1 3.7/3, mb1mx3.5/5, ML3.5/1, Error ellipse: s-maj=200.0km s-min=26.9km az=66.0, Halmahera

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

PRU 01 10:46:21.7.50.35N, 18.80E WAR 01 10:46:22.1.50.36N, 18.87E, h1km, Location given by Central Institute of Mining, origin time based upon OJC, Poland

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like OJC, OKK, NIE, etc.

IDC 01 10:48:08.0.8.7, 29.55N, 141.44E, h343km, 90km, mb2.9/5, mb1 3.2/6, mb1mx3.0/2.1, Error ellipse: s-maj=49.7km s-min=16.7km az=81.0

ISC 01 10:47:29.3.5.9, 29.7N, 0.1x141.9E, 0.3, h1km, 37km, n8, o=60/9, mb3.7/5, Southeast of Honshu

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

SOF 01 10:49:57.2, 40.79N, 26.05E, h2km, MD3.5 ISK 01 10:49:59.8, 40.88N, 26.04E, h5km, MD3.8, ML3.9 ATH 01 10:49:59.8, 40.89N, 26.03E, h5km, MD3.7/3

NEIC 01 10:50:00.3, 40.89N, 26.07E, h6km, MD3.7(ATH), ML3.7(TH), After ISC

THE 01 10:50:00.9, 40.81N, 25.97E, h5km, ML3.7 ISC 01 10:49:59.2, 40.89N, 26.02, 25.98E, 0.02, h1km, 4km, n87, o=88/110, 7C, 3D, Aegean Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ALN, RDO, LPK, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SOH, PLG, PAIG, etc.

DJA 01 10:58:01.8-0.9, 8.60S, -116.76E, h15km, MD5.2/4, ML3.8/2, 7D, Error ellipse: s-maj=31.2km s-min=18.6km az=5.0, Sumbawa region

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

RSRPR 01 11:01:09.4, 19.23N, 68.61W, h50km, 31km, M3.6, 9C-5D, North Atlantic Ocean

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

CASC 01 11:18:06.3.2.7, 12.65N, 89.98W, h6km, 12km, MD4.1, mb4.5(NEIC)

NEIC 01 11:18:06.0.9, 13.05N, 89.47W, h80km, mb4.5/1, Error ellipse: s-maj=27.3km s-min=13.2km az=57.0

IDC 01 11:18:16.4.3.0, 13.18N, 89.39W, h85km, 31km, mb3.5/7, mb1 3.8/9, mb1mx3.6/2.1, Error ellipse: s-maj=41.2km s-min=16.1km az=57.0

ISC 01 11:18:06.7.1.5, 12.65N, 0.03, 90.05W, 0.4, h23km, 14km, n35, o=128/50, mb4.0/7, 9C-2D, Off coast of central America

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

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

NEIC 01 11:28:58.0.4, 23.06S, 175.60W, h35km, mb4.6/7, Error ellipse: s-maj=15.7km s-min=9.1km az=160.0, IDC 01 11:28:58.2.1.2, 23.28S, 175.47W, h41km, 4km, mb4.0/12, mb1 4.2/13, mb1mx4.1/19, ML4.7/1, MS3.9/2, Ms1 3.9/2, ms1mx3.5/2.1, Error ellipse: s-maj=63.3km s-min=13.1km az=156.0

ISC 01 11:28:57.3.0.5, 23.05S, 0.1x175.69W, 0.10, h41km, h41km, h41km, p-P, n41, o=83/31, mb4.0/12, MS3.9/2, 6C-6D, Tonga Islands region

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



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

NEIC 01 11:46:21.1, 31.485:69.49W, h150km, MD3.5(GUC), After GUC.

GUC 01 11:46:21.1, 0.7, 31.48S:69.49W, h150km, MD3.5, ML3.6, 1C-2D, San Juan Province

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CMCH Combarbala, ILCH Illapel, PTCH Petorca, etc.

DJA 01 11:47:15.5, 1.3, 8.65S:115.44E, h74km, MD3.3/4, 1C-5D, Error ellipse: s-maj=33.7km s-min=9.4km

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

CASC 01 11:48:08.5, 1.7, 12.85N:88.70W, h43km, MD3.8, ML3.5, mb4.1(NEIC)

NEIC 01 11:48:10.4, 0.7, 13.14N:87.86W, h85km, mb4.1/6, Error ellipse: s-maj=29.5km s-min=8.8km az=48.0

IDC 01 11:48:12.6, 3.0, 13.21N:88.23W, h86km, MD3.4/7, mb1.3/7.8, mb1mx3.5/2.1, Error ellipse: s-maj=53.7km s-min=22.2km az=47.0

ISC 01 11:48:08.0, 5.2, 12.90N:0.06:88.66W, 0.04, h70km, MD3.8, n45, o886/63, mb3.8/11, 7C-8D, Off coast of central

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like VSM San Miguel, BLLM Bellamira, LFRS El Faro, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like NVAR Mina Array Bea, NVAR Mckenzie Canyo, MCMT Bozeman, etc.

IDC 01 11:51:08.5, 2.7, 24.86S:174.78W, mb4.3/4, mb1.4/6.5, mb1mx4.1/16, ML4.5/1, MS4.0/2, Ms1.4.0/2, ms1mx3.4/2.1

Error ellipse: s-maj=167.0km s-min=27.1km az=164.0

NEIC 01 11:51:15.7, 0.9, 24.57S:175.10W, h40km, mb4.6/4, Error ellipse: s-maj=32.1km s-min=19.5km az=161.0

ISC 01 11:51:12.9, 0.8, 24.65S:0.2:175.1W, 0.2, h33km, n19, o889/12, mb4.5/7, MS4.0/2, 3C-1D, South of Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RAR Rarotonga, CTA Charters Tower, AS12 Alice Springs, etc.

IDC 01 11:52:27.4, 1.1, 3.43S:153.95E, h93km, MD3.6/3, mb1.3/8.4, mb1mx3.4/15, ML3.6/1, Error ellipse: s-maj=131.0km s-min=99.6km az=109.0, New Ireland region

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

WAR 01 11:57:27.7, 50.26N: 18.85E, h1km, Location given by Central Institute of Mining, origin time based upon OJC

PRU 01 11:57:28.1, 50.26N: 18.85E

ISC 01 11:57:26.0, 6.5, 50.19N:0.05:18.78E, 0.04, n12, o122/19, Poland

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like OKC Ostrava-Krasne, OJC Ojcow, NIE Niedzica, etc.

mb1mx4.5/18, ML4.3/1, MS4.1/9, Ms1.4/2.9, ms1mx4.1/16, Error ellipse: s-maj=31.2km s-min=18.4km az=141.0

BUJ 01 12:19:11.5, 23.00S:175.60W, h42km, mb5.0, MSz3.8, NEIC 01 12:19:11.6, 0.3, 22.95S:175.58W, mb4.8/22, MS4.3/1, Error ellipse: s-maj=15.1km s-min=9.2km az=140.0

ISC 01 12:19:10.1, 0.3, 23.08S:0.09:175.45W, 0.09, h42km, h42km, mb5.0, MSz3.8, n74, o139/56, mb4.7/33, MS4.1/10, 5C-2D, Tonga Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RAR Rarotonga, CTA Charters Tower, ASAR Alice Springs, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like Keskin Array B, Cervenica-Dubn, Colim, Berggiesshubel, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like HWUT, AHUD, REDW, MNV, BMN, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like KEBM, DFW, PFC, Filin, etc.

NNC 01 12:23:02.3, 10.0, 39.16N, 70.46E, h167km, 161km, mpv3.2, Error ellipse: s-maj=131.3km s-min=68.2km az=19.0

ISC 01 12:23:00.3, 4.2, 39.0N, 0.2, 70.2E, 0.3, h119km, 60km, n11, 0.5, 44.13, 1C-2D, Tajikistan

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like Karatay Array, Almayashu, Erkin-Say, etc.

ISC 01 12:23:04.3, 1.0, 39.16N, 70.46E, h167km, 161km, mpv3.2, Error ellipse: s-maj=131.3km s-min=68.2km az=19.0

ISC 01 12:23:00.3, 4.2, 39.0N, 0.2, 70.2E, 0.3, h119km, 60km, n11, 0.5, 44.13, 1C-2D, Tajikistan

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like YKA, DLBC, ILAR, COLA, etc.

IDC 01 12:30:57.1, 2.2, 7.26N, 73.50W, h123km, 92km, mb2.9/2, mb1.3/3.4, mb1mx3.1, 2ZD, ML3.0/2, Error ellipse: s-maj=148.0km s-min=8.4km az=132.0, Northern Colombia

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like ROSE, ROSC, SDV, etc.

BUI 01 12:24:19.6, 9.30N, 87.40W, h10km, Ms5.1, Msz4.6

NEIC 01 12:24:20.2, 0.2, 9.35N, 87.43W, h10km, mb4.6/19, Error ellipse: s-maj=41.0km s-min=12.8km az=188.0

IDC 01 12:24:32.8, 0.9, 10.79N, 86.44W, mb4.3/10, mb1.5/4.1, mb1mx4.2/22, ML3.6/1, Error ellipse: s-maj=31.6km s-min=14.5km az=48.0

CASC 01 12:24:33.8, 2.1, 10.18N, 86.61W, h22km, 16km, MD4.1, ML3.9, MW4.4, mb4.6/NEIC

ISC 01 12:24:20.6, 0.6, 9.35N, 0.0, 87.39W, 0.04, h10km, n89, 0.1338/87, mb4.4/27, MS4.6/2, 14C-8D, Off coast of Costa Rica

NEIC 01 12:25:04.3, 1.0, 13.45N, 90.51W, h10km, mb4.7/8, MD4.5(MEX), Error ellipse: s-maj=19.9km s-min=10.0km az=200.0

CASC 01 12:25:08.2, 9.1, 13.49N, 90.98W, h10km, MD4.1, ML5.0, mb4.7(NEIC)

MEX 01 12:25:16.3, 0.7, 13.78N, 91.16W, h19km, 27km, MD4.6

IDC 01 12:25:17.6, 0.5, 14.13N, 91.46W, h108km, 41km, mb4.0/8, mb1.4/2.10, mb1mx3.9/24, MS4.3/1, Mst 4.3/1, m1mx3.2/27, Error ellipse: s-maj=51.8km s-min=19.6km az=26.0

ISC 01 12:25:10.3, 1.1, 13.57N, 0.0, 90.96W, 0.05, h75km, 7km, n53, 0.1339/65, mb4.5/15, 4D, Near coast of Guatemala

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like Vista de Mar, La Cruz, Jicaral, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like FUG, PCG, JAT, NBG, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like VCR, CRZC, JCR, JCR, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like JTS, JTS, JTS, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like TPX, TPX, TPX, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like JTS, JTS, JTS, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like FORC, PYN, WILN, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like SCX, SCX, CMIG, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like JTS, JTS, JTS, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like WILN, COFNA, CGAZ, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like OXX, OXX, OXX, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like JTS, JTS, JTS, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like QUIN, TRTC, SOMN, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like TEIG, SDV, LRAL, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like JTS, JTS, JTS, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like OXF, OXF, OXF, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like TEIG, TEIG, TEIG, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like JTS, JTS, JTS, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like UALR, MYNC, CPCT, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like TEIG, TEIG, TEIG, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like JTS, JTS, JTS, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like BBSR, TUC, SDCO, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like TEIG, TEIG, TEIG, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like JTS, JTS, JTS, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like LDFO, SRU, NEIN, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like TEIG, TEIG, TEIG, etc.

Table listing stations and their coordinates (Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC). Includes stations like JTS, JTS, JTS, etc.

Table with 4 columns: Station Name, Time, Res, and other data. Includes stations like Otavalo, El Rosal, El Cayaco, Santo Domingo, Isla Caja Muer, etc.

Table with 4 columns: Station Name, Time, Res, and other data. Includes stations like Lac du Bonnet, Columbia Colle, Hailey, McKenzie Canyon, Bozeman (W), etc.

Table with 4 columns: Station Name, Time, Res, and other data. Includes stations like Attu Island-F, Geres, Fines, VAE, VNA3, AKASG, QSPA, MDJ, etc.





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Table with columns for station name, frequency, and other details. Includes stations like BOYAT, Warsaw, Gorka Klasztor, etc.

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

Table with columns for station name, frequency, and other details. Includes stations like EDC, PND, BLT, etc.

NEIC 01 15:06:16.3, 40.89N-26.07E, h5km, MD3.6(ATH), After ATH. SOF 01 15:06:17.5, 40.88N-26.05E, h8km, MD2.7...

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ALN, ALD, RDO, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries like ALN, RDN, ALP, KAZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes entries like RUP, WLF, WLF, LANF, BGG, etc.

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

ISK 01 15:50:08.1±0.4, 49.44N±7.00E, h1km, MD2.0/2, Error ellipse: s-maj=13.3km s-min=4.4km az=47.0 LDG 01 15:50:08.0±0.1, 49.37N±6.83E, h1km, Md2.8/1, Md2.8/8,



Table with columns: Code, Station Name, Az, El, Slope, Azimuth, Elevation, SNR, and other technical details for various stations like PDAR, ILAR, INK, YKA, etc.

CSEM 01 16:20:15.9, 25.53S: 179.93W, h33km, mb5.8
BUJ 01 16:20:58.1, 24.85S: 179.11W, h390km, mb5.4, mb5.4
MOS 01 16:20:58.9, 1.1, 25.39S: 179.32W, h402km, mb5.5/4

HRVD 01 16:20:59.4, 0.3, 25.29S: 179.25W, h408km, 1km
MW5:6.58, Centroid moment Tensor Solution, LP body
waves: s58,c108; Half duration: 196 Moment tensor:
Scale: 10^17Nm; Mw:4.7;06; Mw:2.03;10; Mw:1.56;10;

SYO 01 16:20:59.4, 25.54S: 179.38W, h406km, MB5.4
NEIC 01 16:20:59.4, 0.1, 25.54S: 179.38W, mb5.4/28, mb5.4/28
IDC 01 16:21:00.6, 0.4, 25.29S: 179.46W, h408km, 3km, mb5.0/28, mb5.0/31, mb1mx5.0/35, Error ellipse: s-maj=11.2km

BGS 01 16:21:04.9, 4.2, 25.58S: 179.43W, h405km
ISC 01 16:20:58.7, 0.1, 25.60S: 0.02-179.40W, 0.03, h405km, h405km, 1.2km; p-P: P, N16/16/405, mb5.3/115, 134C-33D, South of Fiji Islands

Main station list table with columns: Code, Station Name, Az, El, Slope, Azimuth, Elevation, SNR, and other technical details for stations like OUZ, KAU, KUZ, etc.

Main station list table with columns: Code, Station Name, Az, El, Slope, Azimuth, Elevation, SNR, and other technical details for stations like DSZ, KHZ, RAR, etc.

Main station list table with columns: Code, Station Name, Az, El, Slope, Azimuth, Elevation, SNR, and other technical details for stations like CNP, CUYO, GTRP, etc.









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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MGR, PTQR, BACM, CODM, TRAV, MAM, MNS, GRR, SSF, MSC, GRI, CERT, HYF, LSD, RSL, LPL, LPG, OG05, PCP, SMF, AVF, RSP, SGMF, ROSF, FENE, BNI, BGF, FIN, RRL, GDM, ROB, BORO, GRN, MBDF, QUIF, PZZ, PLDF, MONE, ENR, AGO, STV, SUFR, ORIF, IMI, TCF, SAOF, AUTN, NEGI, TOUF, SBF, COLF, AURF, PYM, MVIF, OG25, MFF, LCH, VVVF, OCF, OCAN, PGB, LBL, FRF, SMRF, VILF, VAE, USI, LMR, RJF, PRAF, BERF, LASF, LFF, MTLF, LRDF, LPF, FILF, MSL, EPF, VALF, LABF, RESF, VJF, SJPF, LARF, ETSF, ESDC, ESDC, ESDC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes NEIC 01, MOS 01, YSS, NEM2, JNK, JTRK, JMP, JAK, ASAJ, JAR, JOB, JCH, JCH, JNBK, JNBK.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes JEM, JSH, JKB, JYM2, JSR, JTR, JTM, JANG, MAJ, MAJ, MAJ, MAJ, MDJ, FX1, JUNU, ILAR, ILAR, ILAR, MKAR, MKAR, LSA, YKA, NVA, PDAR, WRA, WRA, WRA, MOX.

STR 01 17:27:13.8-0.1, 45.58N-2.87E, h5km, 1km, M12.3, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0 LDG 01 17:27:14.3-0.1, 45.59N-2.89E, h4km, M2.0/2, M12.1/10, Error ellipse: s-maj=1.0km s-min=0.9km az=57.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes STR 01, LDG 01, ISC 01, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes PYM, VERF, LBL, AGO, COLF, PLDF, TCF, BGF, RJF, AVF, SMF, SMF, VVVF, SSF, LFF, LASF, LOR, MFF.

NEIC 01 17:34:15.9, 19.79N-65.32W, h25km, MD3.5(RSPR), After RSPR, RSPR 01 17:46:55.9, 19.79N-65.32W, h25km, 31km, MD3.5, 8C, Puerto Rico region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes BCBP, CSB, CSB, MTP, MTP, SJJG, AOPR, AOPR, CELP, MGP, MGP.

MOS 01 17:43:36.1±1.5, 43.03N, 46.81E, h14km, mb4.2/1, 1C-1D, Error ellipse: s-maj=55.5km s-min=29.7km az=115.3, Eastern Caucasus

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes DBC, KRNR, KRNR, BUJR, BUJR, XNZR, XNZR, XNZR, MAK, MAK.

BER 01 17:46:57.4±1.7, 60.39N, 14.24E, M2.0(NAO), NAO 01 17:46:55.9±1.7, 60.40N, 14.33E, M2.0, Sweden

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes HFS, HFS, NB2, FIAO, FIAO.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes NEIC 01, ISC 01, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes PMG, PMG, CTA, CTAO, KAKA, WRAB, WRB2, WRA, WRA, WRA, DZM, AS12, AS12, ASAR, ASAR, FITZ, FITZ, FITZ, STKA, STKA, STKA, FORT, URZ, RPZ, SONM, VYDA, MKAR, ILAR, GSPA.

TAP 01 18:09:03.0, 24.80N-122.39E, h109km, 1km, ML4.2, JMA 01 18:09:03.0, 24.82N-122.45E, h106km, M3.2, ISC 01 18:09:02.1±1.8, 24.92N, 122.42E, 0.1, h105km, 28km, n10, 0891/17, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes YOJ, YOJ, IRIF, IRIF, JKRS, JKRS, JIU, JIU, JIJ, JIJ, JKE, JKE, JGH, JGH, JIH, JIH, JOW, JOW.

NEIC 01 18:15:37.3, 32.52S-71.47W, h24km, ML3.0(GUC), After GUC, GUC 01 18:15:37.3±0.9, 32.52S-71.47W, h24km, 3km, MD3.5, ML3.0, 9C-1D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes PACH, PACH, PTCH, PTCH, PTCH, ROCH, ROCH, JACH, JACH, JACH, PEL, PEL, LCHC, LCHC, LCHC, FCH, FCH, PCH, PCH, CMCH, CMCH, LNV, LNV, CHCH, CHCH, LMEL, LMEL, CACH, CACH, SFDO, SFDO.

IDC 01 18:41:05.2,6.9, 19.90S:177.08E, mb3.5/3, mb1 3.8/3, mb1mx3.6/14, Error ellipse: s-maj=299.0km, s-min=39.3km, Az=147.0, South of Fiji 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, ILAR Eielson Array.

MAN 01 18:43:53.5, 5.43N:127.64E, h1km, mb4.7, ML3.6, MS3.5 MOS 01 18:43:59.0, 0.8, 5.77N:127.32E, h45km, mb4.3/7, Error ellipse: s-maj=36.9km s-min=14.4km az=120.3

IDC 01 18:44:00.6, 3.7, 5.74N:127.44E, h40km, mb3.1km, mb3.9/12, mb1 4.1/12, mb1mx3.9/19, MS3.4/1, Ms1 3.6/1, ms1mx2.9/27, Error ellipse: s-maj=41.7km s-min=14.0km az=71.0

NEIC 01 18:44:01.9, 0.3, 5.74N:127.38E, h55km, mb4.5/10, Error ellipse: s-maj=16.0km s-min=6.5km az=69.0

ISC 18:43:59.0, 0.4, 5.75N:127.56E, 0.08, h55km, n45, c1501/48, mb4.3/25, MS3.3/1, 1C-2D, Philippine Islands region

Main table for the first section with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Includes stations like MATI Mati, GSPH General Santos, CMAR Chiang Mai Arr, etc.

IDC 01 19:01:35.0, 7.0, 29.91N:87.77E, mb3.4/2, mb1 3.4/3, mb1mx3.3/18, ML3.0/11, MS3.3/1, Ms1 3.3/1, ms1mx2.7/22, Error ellipse: s-maj=129.0km s-min=49.0km az=164.0, Xizang

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Includes stations like SHL Shilong, MKAR Makanchi Array, SONMG Songo Array, etc.

IDC 01 19:14:34.5, 0.9, 29.86N:88.01E, mb3.6/7, mb1 3.8/8, mb1mx3.6/18, ML3.3/11, MS2.9/1, Ms1 3.3/11, ms1mx2.6/28, Error ellipse: s-maj=38.1km s-min=20.6km az=52.0

NEIC 01 19:14:39.7, 0.6, 29.88N:87.92E, h35km, mb4.2/2, Error ellipse: s-maj=15.5km s-min=9.6km az=218.0

ISC 01 19:14:39.2, 2.1, 29.9N, 0.1, 87.9E, 0.2, h45km, 21km, n17, c061/15, mb3.7/9, Xizang

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Includes stations like LSA Lhasa, SHL Shilong, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Includes stations like AKASG Malin Array, FINES FINES Array B, GERES FINES Array B, etc.

IDC 01 19:24:14.2, 2.6, 9.99S:118.16E, mb3.3/3, mb1 3.5/5, mb1mx3.4/14, ML3.0/2, Error ellipse: s-maj=156.0km s-min=22.4km az=53.0

DJA 01 19:24:22.6, 0.9, 8.89S:119.06E, h160km, MD4.7/4, ML4.7/3, Error ellipse: s-maj=85.0km s-min=19.0km az=4.0

ISC 01 19:24:23.0, 1.6, 10.0S, 0.3, 118.9E, 0.2, h100km, 26km, n9, c181/15, mb3.6/2, 1C-6D, Sumbawa region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Includes stations like KEDI Kedondong, KEDI Rata, RATI Rata, etc.

IDC 01 19:28:44.8, 0.4, 5.90S:148.62E, h53km, mb3km, mb4.6/16, mb1 4.7/17, mb1mx4.7/18, MS4.7/18, Ms1 4.7/18, ms1mx4.7/21, Error ellipse: s-maj=13.7km s-min=9.1km az=110.0

HRVD 01 19:28:45.3, 0.1, 6.21S:148.81E, h62km, MW5.5/62, Centroid moment tensor solution. LP body waves: s61, c118, mantle waves: s62, c134; Half duration: 155

Moment tensor: Scale 1017Nm; Mn:2.27; M2:0.4; M3:0.27; Ms:0.27; M4:0.27; M5:0.27; M6:0.27; M7:0.27; M8:0.27; M9:0.27; M10:0.27; M11:0.27; M12:0.27; M13:0.27; M14:0.27; M15:0.27; M16:0.27; M17:0.27; M18:0.27; M19:0.27; M20:0.27; M21:0.27; M22:0.27; M23:0.27; M24:0.27; M25:0.27; M26:0.27; M27:0.27; M28:0.27; M29:0.27; M30:0.27; M31:0.27; M32:0.27; M33:0.27; M34:0.27; M35:0.27; M36:0.27; M37:0.27; M38:0.27; M39:0.27; M40:0.27; M41:0.27; M42:0.27; M43:0.27; M44:0.27; M45:0.27; M46:0.27; M47:0.27; M48:0.27; M49:0.27; M50:0.27; M51:0.27; M52:0.27; M53:0.27; M54:0.27; M55:0.27; M56:0.27; M57:0.27; M58:0.27; M59:0.27; M60:0.27; M61:0.27; M62:0.27; M63:0.27; M64:0.27; M65:0.27; M66:0.27; M67:0.27; M68:0.27; M69:0.27; M70:0.27; M71:0.27; M72:0.27; M73:0.27; M74:0.27; M75:0.27; M76:0.27; M77:0.27; M78:0.27; M79:0.27; M80:0.27; M81:0.27; M82:0.27; M83:0.27; M84:0.27; M85:0.27; M86:0.27; M87:0.27; M88:0.27; M89:0.27; M90:0.27; M91:0.27; M92:0.27; M93:0.27; M94:0.27; M95:0.27; M96:0.27; M97:0.27; M98:0.27; M99:0.27; M100:0.27

SYO 01 19:28:45.2, 5.91S:148.66E, h57km, MB5.3 NEIC 01 19:28:45.3, 0.2, 5.91S:148.66E, mb3.3/4, MW5.6, Error ellipse: s-maj=8.2km s-min=4.7km az=101.0, Moment tensor solution. s18 Moment tensor: Scale 1017Nm; Mn:3.06; M2:0.42; M3:0.263; M4:0.03; M5:0.98; M6:0.12; Best double couple: M3:3.017 NP1:38.38; M4:4.44; M8:1.88; NP2:160; M46:1.92; Principal axes: T 3.06, Plg88, Azm122; N-06, Plg17, Azm339; P-3.01, Plg17, Azm249;

MOS 01 19:28:46.7, 0.9, 5.92S:148.39E, h84km, mb5.4/14 Error ellipse: s-maj=22.5km s-min=9.9km az=90.3

ISC 01 19:28:46.1, 1.1, 5.91S, 0.03, 148.68E, 0.04, h46km, 9km, h56km, 9km, pP-P, n271, c108/165, mb5.2/62, MS4.9/114, 16C-8D, New Britain region

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Includes stations like NWAOG Narrogin (SR), NWAOG Narrogin (SR), NWAOG Narrogin (SR), etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s, ISC. Includes stations like MUN Mundaring, URZ Urewhera, URZ Urewhera, etc.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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





Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like Neumayer-Watz, Tucson, Boulder Array, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like Newcomb, JuntasAbangare, HAU Haudompre, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like Vanda, Vanda, Sonm, etc.

Table with columns: Code, Station Name, Frequency, Power, Phase ID, Time, Res. Includes stations like Maasin, Surigao, Pormo, etc.

Table with columns: Code, Station Name, Frequency, Power, Phase ID, Time, Res. Includes stations like Koster, Silverton, Senekal, etc.

Table with columns: Code, Station Name, Frequency, Power, Phase ID, Time, Res. Includes stations like Akhalkalaki, Dusheti, etc.

NEIC 01 21:30:08.1, 63.27N-144.97W, h1km, ML3.3(PMR), ML3.3(AEIC), After AEIC.

PGC 01 21:30:11.2, 63.21N-144.75W, h10km, ML3.4/2, Eastern Alaska.

ISC 01 21:30:07.0-4.6, 63.30N-0.03-144.84W, 0.05, h1km, n39, 1500/44, Central Alaska.

Table with columns: Code, Station Name, Frequency, Power, Phase ID, Time, Res. Includes stations like Trims Highway, Paxon, etc.

WEL 01 21:32:16.0-0.3, 45.22S-166.98E, h12km, ML3.8/5, 1C-1D, Error ellipse: s-maj=2.8km s-min=1.1km az=90.0, Off west coast of South Island.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MLZ Mavora Lakes, MSZ Milford Sound, WHZ Wether Hill Ro, etc.

IDC 01 21:39:24.8±2.1, 7.09S, 128.35E, mb3.4/1, mb1 4.0/4, mb1mx3.7/13, ML3.7/3, Error ellipse: s-maj=104.0km s-min=27.3km az=74.0

ISC 01 21:39:42.2±0.8, 0.80S±0.1, 128.3E±0.1, h198km±23km, n8, c055/15, mb3.0/1, Banda Sea

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

IDC 01 21:56:41.3±2.8, 4.45AS, 103.06E, mb3.6/5, mb1 3.7/5, mb1mx3.5/16, Error ellipse: s-maj=126.0km s-min=21.2km az=52.0, Southern Sumatra

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

IDC 01 22:14:43.4±0.4, 17.06N, 121.60E, mb4.7/25, mb1 4.8/28, mb1mx4.8/30, ML4.5/3, MS4.4/6, Ms1 4.4/6, ms1mx3.9/29, Error ellipse: s-maj=17.5km s-min=11.5km az=71.0

MAN 01 22:14:47.7, 17.24N, 121.52E, h133km, mb5.1, ML4.1, MS4.1

MAN F TABUK KALINGA INTENSITY IV CAUAYAN ISABELA TUGUEGARAO CAGAYAN INTENSITY III

HRVD 01 22:14:50.3±0.3, 17.42N, 121.59E, h12km, MW5.2/46, Centroid moment Tensor Solution. LP body waves:

s10,c12,Manlle waves: s46,c71; Half duration: 0 Moment tensor: Scale 10^19Nm; Mrr,0.72; -19; Mtt,1.02; -17; Mss,3.34; -43; Best double couple: M7.71x10^16 NP1,az=208°, δ33°, λ149°; NP2,az=325°, δ74°, λ61°; Principal axes: T,8.93, Plg52°, Azm200°; N,-2.44, Plg28°, Azm334°; P,-6.49, Plg23°, Azm77°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

BUI 01 22:14:50.0, 16.94N, 121.59E, h74km, mb5.2, mb4.9, Ms5.0, Msz4.8

SYO 01 22:14:50.3, 17.12N, 121.55E, h50km, MB5.1/60, NEIC 01 22:14:50.3±0.3, 17.12N, 121.55E, h50km±6km, mb5.1/60, Error ellipse: s-maj=5.4km s-min=4.6km az=73.0

NEIC Fast [IV FHS] at Tabuk and [III FVS] at Cagayan and Tuguegarao City

MOS 01 22:14:50.5±0.7, 17.22N, 120.73E, h33km, mb5.3/11, Error ellipse: s-maj=19.2km s-min=7.4km az=114.8

ISC 01 22:14:49.3±0.3, 17.24N±0.02, 121.58E±0.03, h47km±3km, h47km±8.6km; P-P, n295, s1906/309, mb5.0/100, MS4.7/15, 21C-13D, Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CAUP Cauayan, CALP Caliao Caves, PALP Palanan, ABRA Dolores, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like QIZ comp=N,2um,15.8s, QIZ comp=E,3um,17.0s, QIZ comp=Z,4um,17.0s, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KLR comp=N,1um,12.0s, SONM Songino Array, SONM Kakan, YSS Yuzh-Sakhalin, etc.



Table with columns for flight codes (e.g., CEYT, CTCK, BOYT), destinations (e.g., Ceyhan, Corum, Boyabat), times, and status indicators (e.g., ePN, Pn, P).

Table with columns for flight codes (e.g., SRS, PAIG, PAIG), destinations (e.g., Serrai, Paliouri, Mizel), times, and status indicators (e.g., eP, P, Pmax).

Table with columns for flight codes (e.g., SMOL, TIP, TIP), destinations (e.g., Smolenice, Timpagrande, Timpagrande), times, and status indicators (e.g., iP, P, eP).

Table of astronomical observations with columns for object name, coordinates, magnitude, and observation details. Includes objects like CHMS, GMNA, KBA, GERES, etc.

Table of astronomical observations with columns for object name, coordinates, magnitude, and observation details. Includes objects like ERMB, SARO, VLC, BRMO, etc.

Table of astronomical observations with columns for object name, coordinates, magnitude, and observation details. Includes objects like HGN, HGN, HGN, etc.



Table with columns: Station Name, Time, Res, ISC, and various codes. Includes stations like FX1 Attu Island-F, SML Sawmill, PMR Palmer, etc.

Table with columns: Station Name, Time, Res, ISC, and various codes. Includes stations like DWPF Hardware Ranch, WRA Warramunga Arr, etc.

Table with columns: Station Name, Time, Res, ISC, and various codes. Includes stations like PMG Port Moresby, WRA Warramunga Arr, etc.

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

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like VNA Vanda, MKAR Makanchi Array, CHKZ Chkalovo, etc.

ATH 01 23:42:37.3, 41.92N-23.36E, h5km
THE 01 23:42:39.0, 41.82N-23.25E, h3km, ML3.0
ISC 01 23:42:36.4, 1.5, 41.91N-0.06, 23.24E, 0.08, h3km, 8km, n14, c08120, Greece-Bulgaria border region

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like KNT Kendrikon, SRS Serrai, SOH Sokhos, etc.

NAO 01 23:53:48.2, 0.2, 67.15N-20.84E, ML2.1
HEL 01 23:53:48.4, 0.1, 67.18N-20.71E, ML2.0, ML2.4(UPP), ML1.8(BEF), Explosion
IDC 01 23:53:48.1, 0.9, 67.15N-20.80E, mb1 3.0/4, mb1mx2.9/2.0, ML2.9/5, Error ellipse: s-maj=14.6km s-min=7.7km az=114.0

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like DUNU Dundret, MASU Masugnbyn, KUA Kurvaara, etc.

BER 01 23:53:49.3, 4.0, 67.20N-20.59E, ML1.8, ML2.1(NAO), Suspected explosion
ISC 01 23:53:48.8, 0.4, 67.09N-0.03, 20.36E, 0.06, n29, c1546/48, Sweden

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like MORB Moi Rana, TRO Tromso, LOF Lofoten, etc.

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like FIAO FINESS Array S, FIAO FINESS Array B, FINES, etc.

NEIC 01 23:56:02.8, 2.2, 6.43S: 146.04E, h140km, 25km, mb3.7/1, Error ellipse: s-maj=32.7km s-min=16.2km az=120.0
IDC 01 23:56:02.2, 3.4, 6.32S: 146.14E, h137km, 36km, mb3.4/4, mb1 3.5/6, mb1mx3.4/13.0, Error ellipse: s-maj=43.8km s-min=25.8km az=113.0
ISC 01 23:56:01.6, 2.8, 6.5S-0.2, 145.9E-0.2, h140km, 31km, n10, c081113, mb3.6/4, New Guinea

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like PMG Port Moresby, PMG Port Moresby, WRAB Tennant Creek, etc.

NEIC 02 00:05:44.8, 39.38S:-173.84E, h18km, ML3.9(WEL), After WEL.

NEIC 02 00:05:44.8, 0.2, 39.36S:-173.81E, h17km, 1km, ML4.0/6, 3C-5D, Error ellipse: s-maj=2.2km s-min=1.3km az=90.0, 01 west coast of North Island

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like NRZ Ngariki Road, NRZ Ngariki Road, PRZ Pukeiti, etc.

IDC 02 00:20:46.0, 7.2, 2.98S: 138.00E, h31km, 5km, mb4.6/8, mb1 4.8/12, mb1mx4.8/13, ML4.4-4.4, MS4.0, M5.1 4.1/8, ms1mx4.0/15, Error ellipse: s-maj=23.3km s-min=11.1km az=84.0
ISC 02 00:20:43.8, 2.9, 2.97S: 0.04, -137.94E, 0.08, h22km, 21km, h30km, 1.6km, pP-P, n70, c0579/62, mb4.8/27, MS4.2/9, 4C-3D, Irian Jaya

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res. Includes stations like KAKA Kakadu, PMG Port Moresby, WRAB Tennant Creek, etc.



Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes entries like ILAR, ARU, QSPA, QSPA, DAWY, DAWY, YKA, YKA, NVAR, NVAR, NVAZ, NVAZ, NVA3, NVA3, MNTX, MNTX, TXAR, TXAR, CPUP, CPUP, ROSC, ROSC, LPAZ, LPAZ, LPZ, LPZ.

ISC 02 00:27:01.9-0.9, 46.29N, 0.04-12.57E, 0.07, h10km, n7, 0.95/11, 1C-2D, Northern Italy

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes entries like MLNI, MLNI, CSM, CSM, CAE, CAE, BOO, BOO, ROBS, ROBS, CADS, CADS, VISS, VISS.

ISC 02 00:35:17.9-1.0, 2.81S, 138.23E, mb4.0/5, mb1 4.3/8, mb1mx4.2/12, ML3.4/3, MS3.5/2, Ms1 3.5/2, ms1mx3.0/15, Error ellipse: s-maj=45, 1km s-min=22.3km az=87.0, NEIC 02 00:35:19.7-0.6, 2.90S, 138.01E, h10km, mb4.1/5, Error ellipse: s-maj=15.6km s-min=10.4km az=90.0, ISC 02 00:35:19.9-3.1, 3.01S, 0.08-138.0E, 1.1, h22km, 22km, n22, 1909/26, mb4.0/5, MS3.2/1, 2D, Irian Jaya

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes entries like PMG, PMG, KAKA, KAKA, KAKA, KAKA, WRAB, WRAB, WB2, WB2, WRA, WRA, WRA, WRA, CTA, CTA, CTA, CTA, FITZ, FITZ, FITZ, FITZ, AS12, AS12, ASAR, ASAR, ASAR, ASAR, STKA, STKA, STKA, STKA, MKAR, MKAR, MKAR, MKAR, KURK, KURK, VANDA, VANDA, VANDA, VANDA, SBA, SBA, ILAR, ILAR, QSPA, QSPA, CPUP, CPUP, LPAZ, LPAZ.

LDG 02 00:56:04.4-0.5, 43.07N, 1.62W, h2km, Md1.9/2, M11.9/1, Error ellipse: s-maj=9.7km s-min=7.2km az=179.0, MDD 02 00:56:05.0-0.7, 43.07N, 1.58W, mbLg1.4/4, Error ellipse: s-maj=5.5km s-min=2.3km az=40.0, ARTIFICIAL POSSIBLE STR 02 00:56:05.0-0.1, 43.14N, 1.58W, h2km, 1km, M12.3, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0, ISC 02 00:56:04.1-1.8, 43.03N, 0.09-1.58W, 0.09, n10, 0.69/15, Pyrenees

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes entries like EALK, EALK, EALK, EALK, SJPF, SJPF, OSSF, OSSF, LARF, LARF, LARF, LARF, ORDF, ORDF, ORDF, ORDF, ATE, ATE, ETSF, ETSF, ETSF, ETSF, EPF, EPF, EPF, EPF.

ISC 02 01:26:25.8-1.9, 17.54S, 178.02W, mb3.9/5, mb1 4.1/5, mb1mx3.9/15, MS3.9/2, Ms1 3.8/2, ms1mx3.3/21, Error ellipse: s-maj=113.0km s-min=26.9km az=149.0

2002 JUL

ISC 02 01:26:29.2-1.6, 17.75S, 0.6-178.0W, 0.4, h33km, n7, 0.15/10, mb3.9/5, MS3.9/2, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes entries like PMG, PMG, STKA, STKA, WRA, WRA, ASAR, ASAR, TXAR, TXAR, ILAR, ILAR, YKA, YKA.

NIED 02 01:27:00.34, MS0.8, 139.30E, h5km, Mw3.7, Best double couple: M3.3, 36x1014 NP1, 90.6, 5.78, 1.19. NP2, 90.100, 8.77, 1.168

JMA 02 01:27:05.6, 34.75N, 139.31E, M3.1, JMA Feil III J1

ISC 02 01:27:05.6-0.4, 34.76N, 0.05-139.35E, 0.05, h8km, 5km, n9, 0.66/16, 2C-3D, Near south coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes entries like Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes entries like JIM2, JIM2, KJTJ, KJTJ, JIZS, JIZS, JODJ, JODJ, JKO, JKO, BSO3, BSO3, SHZ3, SHZ3, JYVJ, JYVJ, JYN, JYN, MAT, MAT, MAT.

KRSC 02 01:33:09.5-1.3, 54.99N, 162.94E, h10km, 3km, ML3.9, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes entries like MKZ, MKZ, KBTJ, KBTJ, KKB, KKB, ZLN, ZLN, TUMR, TUMR, CIRR, CIRR, LGNR, LGNR, KMN, KMN, BKI, BKI, KRSR, KRSR, KLY, KLY, KIL, KIL, SRDR, SRDR, SPN, SPN, ESO, ESO, NLC, NLC, SLDL, SLDL, SMAR, SMAR, AVH, AVH, KOK, KOK, GNL, GNL, GNL, GNL, PET, PET, KRMR, KRMR, RUS, RUS, GRL, GRL.

SOF 02 01:38:04.7, 45.64N, 26.62E, h2km, MD3.1, NEIC 02 01:38:07.4-0.7, 45.73N, 26.82E, h123km, 6km, Error ellipse: s-maj=7.8km s-min=7.2km az=86.0, BUC 02 01:38:08.5, 1.6, 45.69N, 26.80E, h109km, 13km, MD4.1/3, Error ellipse: s-maj=8.8km s-min=7.0km az=321.0, ISC 02 01:38:06.7-0.8, 45.72N, 0.06-26.78E, 0.09, h123km, 5km, n35, 0.70/43, 7C-2D, Romania

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes entries like VRI, VRI, BRD, BRD, ISR, ISR, ISR, ISR, MLR, MLR, MLR, MLR, HARR, HARR, HARR, HARR, BUC, BUC, PSN, PSN, PRD, PRD, PVL, PVL, JMB, JMB, WTS, WTS, KDZ, KDZ, RZN, RZN, MMB, MMB, KKP, KKP, ALN, ALN, SRS, SRS, KNT, KNT, SOH, SOH, GRG, GRG, OUR, OUR, THF, THF, PAIG, PAIG, XOR, XOR, AGG, AGG, MALT, MALT.

IDC 02 01:46:32.6-5.6, 0.08S, 123.10E, h132km, 53km, mb3.6/7, mb1 3.8/8, mb1mx3.6/16, MS3.9/1, Ms1 3.9/1, ms1mx2.8/18, Error ellipse: s-maj=66.3km s-min=13.2km az=62.0, NEIC 02 01:46:36.3-3.3, 0.04S, 123.22E, h169km, 35km, mb4.4/6, Error ellipse: s-maj=24.2km s-min=9.5km az=71.0, ISC 02 01:46:34.1-3.8, 0.05S, 10.10-123.1E, 0.2, h166km, 39km, n20, 0.68/19, mb4.0/11, 1D, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes entries like KAKA, KAKA, FITZ, FITZ, WRAB, WRAB, WRA, WRA, WB2, WB2, AS12, AS12, ASAR, ASAR, ASAR, ASAR, CMAR, CMAR, ENH, ENH, STKA, STKA, MAJO, MAJO, MAT, MAT, MAT, MAT, MKAR, MKAR, MKAR, MKAR, KURK, KURK, VANDA, VANDA.

NEIC 02 02:10:23.8, 28.30S, 70.11W, h85km, MD3.5(GUC), After GUC

GUC 02 02:10:23.8-0.9, 28.30S, 70.11W, h85km, MD3.5, ML3.8, 2C-2D, Central Chile

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes entries like VACH, VACH, VACH, VACH, CPCH, CPCH, CPCH, CPCH, LSCH, LSCH, LSCH, LSCH, TLL, TLL, TLL, TLL, CMCH, CMCH, CMCH, CMCH.

IDC 02 02:16:01.0-0.9, 5.01S, 11.54W, mb4.4/16, mb1 4.4/17, mb1mx4.3/24, ML3.6/1, MS3.9/1, Ms1 3.9/16, ms1mx3.6/29, Error ellipse: s-maj=32.5km s-min=18.3km az=142.0, NEIC 02 02:16:03.2-0.2, 4.94S, 11.68W, h10km, mb4.7/35, MS4.0/7, Error ellipse: s-maj=9.2km s-min=5.2km az=121.0, ISC 02 02:16:01.6-0.4, 4.88S, 0.06-11.69W, 0.07, h10km, n101, 0.67/93, mb4.6/52, MS4.0/21, 7C-2D, North of Ascension Island

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, h, m, s, ISC. Includes entries like DBIC, DBIC, TSUM, TSUM, BDBF, BDBF, BDBF, BDBF, ESDC, ESDC, ESDC, ESDC, ESLS, ESLS, CPUP, CPUP, ETSF, ETSF, SJPF, SJPF, EPF, EPF, KMBO, KMBO, MTLF, MTLF, LMR, LMR, LMR, LMR, LFR, LFR, RJF, RJF, RJF, RJF, VIVF, VIVF, VIVF, VIVF, MBDF, MBDF, TCF, TCF, LPL, LPL, BGF, BGF, SMF, SMF, AVF, AVF, SBF, SBF, SF, SF, LOR, LOR, LOR, LOR, HINF, HINF, HAU, HAU, HAU, HAU, MEZF, MEZF, DAVA, DAVA, CDF, CDF, SQTA, SQTA.

Table of station data for 2d 4h, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and various frequency and power values.

CASC 02:02:44:27.0-1.9, 11.40N:88.03W, h80km, 40km, MD4.0, ML3.6

Table of station data for CASC 02:02:44:27.0-1.9, 11.40N:88.03W, h80km, 40km, MD4.0, ML3.6.

Table of station data for 2004 JUL, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and various frequency and power values.

CASC 02:02:53:33.3-2.9, 10.88N:86.63W, h13km, 15km, MD4.0, ML3.1, BD, Off coast of Costa Rica

Table of station data for CASC 02:02:53:33.3-2.9, 10.88N:86.63W, h13km, 15km, MD4.0, ML3.1, BD, Off coast of Costa Rica.

IDC 02:02:57:28.4-16.0, 5.04S:148.58E, h215km, 169km, mb3.2/4, mb1.3, 4.4mb1mx3.2/13, Error ellipse: s-maj=101.0km s-min=57.8km az=138.0, New Britain

Table of station data for IDC 02:02:57:28.4-16.0, 5.04S:148.58E, h215km, 169km, mb3.2/4, mb1.3, 4.4mb1mx3.2/13, Error ellipse: s-maj=101.0km s-min=57.8km az=138.0, New Britain.

SVSA 02:03:23:02.0-0.8, 39.44N:29.85W, h15km, MD3.9, ML3.4, Error ellipse: s-maj=5.7km s-min=4.2km az=37.0, Azores Islands

Table of station data for SVSA 02:03:23:02.0-0.8, 39.44N:29.85W, h15km, MD3.9, ML3.4, Error ellipse: s-maj=5.7km s-min=4.2km az=37.0, Azores Islands.

IDC 02:03:43:00.8-0.7, 28.13N:140.08E, h372km, 11km, mb3.0/6, mb1.3/1.8, mb1mx3.0/22, Error ellipse: s-maj=35.6km s-min=14.5km az=69.0

Table of station data for IDC 02:03:43:00.8-0.7, 28.13N:140.08E, h372km, 11km, mb3.0/6, mb1.3/1.8, mb1mx3.0/22, Error ellipse: s-maj=35.6km s-min=14.5km az=69.0.

Table of station data for 48, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res, and various frequency and power values.

DJA 02:03:51:43.6-1.0, 11.57S:117.90E, h134km, 76km, MD4.5/3, ML4.9/3, 6C-1D, Error ellipse: s-maj=92.1km s-min=41.0km az=2.0, South of Sumbawa

Table of station data for DJA 02:03:51:43.6-1.0, 11.57S:117.90E, h134km, 76km, MD4.5/3, ML4.9/3, 6C-1D, Error ellipse: s-maj=92.1km s-min=41.0km az=2.0, South of Sumbawa.

IDC 02:03:56:23.1-0.8, 63.77N:19.09W, mb3.7/10, mb1.4/0.11, mb1mx3.2/22, ML3.5/1, MS3.5/6, Ms1.3/5.6, ms1mx3.2/32, Error ellipse: s-maj=27.2km s-min=8.6km az=34.0

NEIC 02:03:56:24.0-0.6, 63.84N:19.10W, h10km, mb4.1/2, Error ellipse: s-maj=22.5km s-min=8.6km az=31.0

ISC 02:03:56:22.7-0.6, 63.77N:0.19W, 0.2, h10km, n23, r13120.0, mb3.7/10, MS3.3/3, Iceland

Table of station data for various stations including BORG, SCO, JMIC, EKA, NOA, ARCES, FINES, CLL, GR1, FRB, KHC, GERES, SCHQ, ESCD, BRTR, ILAR, PDAR, BPBC, MKAR, TXAR, and others.

MAN 02:04:00:07.5, 12.71N:123.12E, h50km, mb4.3, ML3.2, MS3.0, 1C-2D, Luzon

Table of station data for MAN 02:04:00:07.5, 12.71N:123.12E, h50km, mb4.3, ML3.2, MS3.0, 1C-2D, Luzon.

BUI 02:04:05:30.9, 56.30N:156.60W, h37km, mb5.1, mb4.9, Ms4.0, Ms2.4

Table of station data for BUI 02:04:05:30.9, 56.30N:156.60W, h37km, mb5.1, mb4.9, Ms4.0, Ms2.4.

MS4.2/4 Error ellipse: s-maj=23.2km s-min=7.0km az=92.2

ISC 02:04:05:33.2,0.2,56.43N,0.02-156.74W,0.03,h53km,2km, h50km,7km;pp-P,pn369,r118/373,mb4.7/114,MS4.1/30, 8C-15D,Alaska Peninsula

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

Table with columns: YKA, Yellowknife Ar, 21.92 57 P, P, 04 10 22.2 -0.9. Lists seismic events with station codes and magnitudes.

Table with columns: MDJ, comp=N,105nm,26.7s,MS3.8, LR, LR. Lists seismic events with station codes and magnitudes.

Table of astronomical observations for 2d 5h, listing station names, coordinates, and observation details.

Table of astronomical observations for TCF, listing station names, coordinates, and observation details.

Table of astronomical observations for NIED 02:04:20.02, JMA 02:04:20.32, NEIC 02:04:20.37, and other stations, listing station names, coordinates, and observation details.



mb1 4.3/9, mb1mx4.1/14, Error ellipse: s-maj=27.3km s-min=12.8km az=54.0

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

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

s-maj=40.5km s-min=17.0km az=69.0

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

MAN 02 10:00:58.0, 17.23N-121.54E, h23km, mb4.3, ML3.1, MS2.9

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

BER 02 10:04:43.9, 0.8, 59.41N, 10.74E, ML2.1(NAO), Suspected explosion

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

IDC 02 10:21:40.1, 3.4, 20.33S-179.11W, h669km, 47km, mb2.75, mb1 2.9/5, mb1mx2.7/15, Error ellipse: s-maj=111.0km s-min=34.2km az=158.0, Fiji Islands region

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

MAN 02 10:26:37.1, 17.21N-121.56E, h26km, mb4.4, ML3.3, MS3.1, Luzon

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

IDC 02 11:14:49.6, 2.0, 6.26S, 130.11E, mb4.3/1, mb4 4.3/4, mb1mx3.9/13, ML4.0/3, Error ellipse: s-maj=77.8km s-min=26.7km az=77.0

NEIC 02 11:15:04.7, 3.4, 6.80S, 129.71E, h133km, 33km, Error ellipse: s-maj=40.6km s-min=27.1km az=62.0

ISC 02 11:15:08.7, 3.7, 25.0, 1.129, 8E, 0.1, h200km, 26km, n8, 0.0594/13, mb3.9/1, Banda Sea

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

MEX 02 11:35:47.1, 0.5, 16.05N-98.02W, h8km, 379km, MD3.7, Near coast of Guerrero

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

NAO 02 11:56:40.4, 2.4, 59.45N, 10.18E, ML2.1, BER 02 11:56:45.3, 3.0, 59.55N, 10.44E, MD2.4, ML1.7, ML2.1(NAO), Suspected explosion

ISC 02 11:56:42.7, 0.6, 59.58N, 10.06E, 10.39E, 0.07, n15, 0.0192/22, Southern Norway

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

MAN 02 08:38:57.4, 18.98N-121.24E, h1km, mb4.7, ML3.6, MS3.6

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

IDC 02 09:00:19.1, 0.9, 7.46S, 155.46E, mb4.1/11, mb1 4.3/12, mb1mx4.2/16, ML3.6/1, MS3.3/1, Ms1 3.3/1, ms1mx3.0/15, Error ellipse: s-maj=34.6km s-min=18.2km az=126.0

NEIC 02 09:00:26.9, 2.2, 7.50S, 155.39E, h59km, 20km, mb4.2/8, Error ellipse: s-maj=18.3km s-min=12.3km az=111.0

ISC 02 09:00:24.5, 0.6, 7.55S, 0.1, 155.4E, h10km, 31km, n26, 0.0920/25, mb4.0/17, 1.0, Bougainville - Solomon Islands region

IDC 02 09:05:47.9, 2.1, 6.01S, 129.97E, mb4.0/1, mb1 4.4/4, mb1mx3.9/13, ML4.2/3, Error ellipse: s-maj=90.9km s-min=26.8km az=76.0

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

IDC 02 09:55:47.9, 2.1, 6.01S, 129.97E, mb4.0/1, mb1 4.4/4, mb1mx3.9/13, ML4.2/3, Error ellipse: s-maj=90.9km s-min=26.8km az=76.0

NEIC 02 09:56:00.3, 1.4, 6.44S, 130.06E, h120km, Error ellipse:

Table with columns: Station Name, Az, El, Pn, Pn, Time, Res. Includes stations like NORSAR Subarra, HFS Hagfors, ODD1 Odda, etc.

Table with columns: Station Name, Az, El, Pn, Pn, Time, Res. Includes stations like TSUM Tsumeb, QIZ Qiongzong, QIZ Qiongzong, etc.

Table with columns: Station Name, Az, El, Pn, Pn, Time, Res. Includes stations like KURK Kurchatov, VOST Vostochnaya, BVAR Borovoye Array, etc.

IDC 02 11:57:08.5:0.5, 8.69S:67.84E, mb4.4/17, mb1 4.5/17, mb1mx4.5/17, MS4.7/21, Ms1 4.7/21, ms1mx4.6/27, Error ellipse: s-maj=19.7km s-min=15.7km az=42.0

HRVD 02 11:57:08.0:2.8, 8.94S:67.50E, h10km, MW5.6/76, Centroid moment Tensor Solution. LP body waves: s63.c112:Mantle waves: s76.c177: Half duration: 1s7 Moment tensor: Scale 1017Nm: M-0.23t.04; M0-0.31t.04; M0-3.54t.04; M0-0.58t.12; M0-0.40t.04; M0-0.32t.12: Best double couple: Ms3.51x1017 NP1:phi=48, delta=9, lambda=4: NP2:phi=139, delta=6, lambda=169: Principal axes: T 3.58, P1g4, Azm273; N -1.4, P1g79, Azm161; P -3.44, P1g11, Azm4; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. BUI 02 11:57:09.6, 9.00S:67.60E, h10km, mb5.2, mb5.0, Ms5.2, Ms4.9

SYO 02 11:57:09.6, 8.98S:67.61E, h10km, MB5.1, MS4.8 NEIC 02 11:57:09.6:0.3, 8.98S:67.61E, h10km, mb5.1/34, MS4.8/21, Error ellipse: s-maj=10.6km s-min=9.4km az=21.0 MOS 02 11:57:16.4:2.1, 7.45S:67.45E, h10km, mb5.2/17, MS4.8/11, Error ellipse: s-maj=27.0km s-min=9.6km az=90.6

ISC 02 11:57:09.2:0.3, 8.78S:0.05:67.70E:0.05, h10km, (h17km, 2.1km: pP-P), n227, r1942/175, mb5.0/71, MS4.8/64, 7C-7D, Mid-Indian Ridge

Main station data table for stations starting with DGAR, BOM, HYB, etc. Columns include Code, Station Name, Az, El, Pn, Pn, Time, Res.

Main station data table for stations starting with FRU, CD2, AAA, GNI, MALT, WMQ, etc. Columns include Station Name, Az, El, Pn, Pn, Time, Res.

Main station data table for stations starting with KAKA, RZN, UMB, NVS, etc. Columns include Station Name, Az, El, Pn, Pn, Time, Res.







Table listing astronomical observations for stations in Ecuador and Peru, including station names, coordinates, and observation details.

Table listing astronomical observations for stations in Chile, Argentina, and Bolivia, including station names, coordinates, and observation details.

Table listing astronomical observations for stations in Finland, Peru, and Mexico, including station names, coordinates, and observation details.







Table of astronomical observations for 2d 20h, listing station names, coordinates, and observation times.

Table of astronomical observations for 2004 JUL, listing station names, coordinates, and observation times.

Table of astronomical observations for SVSA 02 19:12:13.0, listing station names, coordinates, and observation times.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like MORC Moravhy Berou, BRG Berggiesshubel, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like SCPH Surigao, PVCP Virac, SNPH Sibulan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like JTK Tokunoshima, JAM Amami Oshima, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like MAN 02:23:15.3, 11.55N, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like IDC 02:22:48:21.0, etc.

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



Table with columns: ASAR, Alice Springs, 26.04 164 P, P, 23 13 04.2 -0.7, etc. Lists various stations and their coordinates.

Table with columns: JOF, Joensuu, 91.05 333 ep, P, 23 20 39.1 +4.3, etc. Lists stations in the Joensuu region.

Table with columns: IDC 02 23:16:15.4-6.7, 4.42S:125.33E, h439km, mb3.4/3, etc. Includes station codes like KAKA, FITZ, WRA, etc.

Table with columns: MOS 02 23:31:27.8-0.5, 3.03N-97.24E, h33km, mb4.8/10, etc. Includes station codes like IPM, KGM, CM31, etc.

Table with columns: BUI 02 23:31:35.1, 2.68N:96.87E, h116km, mb4.4, etc. Includes station codes like WRA, WRA, UHLH, etc.

Table with columns: STKA, Stephens Creek, 54.47 133 P, P, 23 40 54.2 -0.7, etc. Lists stations in the Stephens Creek region.

Table with columns: IDC 02 23:59:30.8-2.2, 17.29S-176.80W, mb3.7/4, mb1 4.1/4, etc. Includes station codes like WRA, ASAR, TXAR, etc.

Table with columns: IDC 03 00:07:36.6-0.9, 2.30S-175.43W, mb4.2/12, mb1 4.5/13, etc. Includes station codes like RAR, TBI, PPT, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LIA, ALN, LOS, etc.

NEIC 03 01:38:44.0, 33.08S:72.14W, h10km, ML3.1(GUC), After GUC

GUC 03 01:38:44.0, 33.08S:72.14W, h10km, 2km, MD3.7, ML3.1, 5C-6D, Off coast of central Chile

Main table for NEIC 03 01:38:44.0, 33.08S:72.14W, h10km, 2km, MD3.7, ML3.1, 5C-6D, Off coast of central Chile. Lists stations like IHA, LCH, etc.

ROM 03 01:47:25.7, 0.7, 36.75N:14.12E, h10km, MD2.9/3, ML2.9/3, Error ellipse: s-maj=12.0km s-min=5.1km az=90.0

NEIC 03 01:47:26.9, 0.41, 46N:20.02E, h5km, ML2.9(PDG), ML2.6(SKO), After PDG

PDG 03 01:47:26.9, 0.41, 46N:20.02E, h5km

TIR 03 01:47:27.7, 41.60N:20.05E, h19km, ML2.5

THE 03 01:47:28.2, 41.52N:20.31E, h2km, ML3.1

ISC 03 01:47:27.8, 0.2, 41.48N:0.03:20.15E:0.02, h19km, n46, c1506/82, 4C-4D, Albania

Main table for NEIC 03 01:47:26.9, 0.41, 46N:20.02E, h5km, ML2.9(PDG), ML2.6(SKO), After PDG. Lists stations like QSH, TIR, Lac, etc.

Table for NEIC 03 01:51:21.7, 0.9, 33.08S:72.18W, h15km, 3km, MD4.1, ML4.0, 12C-6D, Off coast of central Chile. Lists stations like AOS, SGO, etc.

NEIC 03 01:51:21.7, 0.9, 33.08S:72.18W, h15km, 3km, MD4.1, ML4.0, 12C-6D, Off coast of central Chile

Main table for NEIC 03 01:51:21.7, 0.9, 33.08S:72.18W, h15km, 3km, MD4.1, ML4.0, 12C-6D, Off coast of central Chile. Lists stations like IHA, LCH, etc.

IDC 03 02:02:39.9, 1.2, 23.82N:120.94E, mb3.8/6, mb1 3.9/7, mb1mx3.6/21, ML3.6/1, Error ellipse: s-maj=44.6km s-min=24.1km az=60.0

TAP 03 02:02:43.1, 24.00N:121.06E, h12km, 1km, ML4.2

NEIC 03 02:02:45.0, 0.9, 23.93N:121.10E, h35km, Error ellipse: s-maj=17.2km s-min=16.8km az=195.0

ISC 03 02:02:39.8, 6.2, 23.83N:109.121.0E:0.2, h11km, 40km, n9, c0935/10, mb3.7/6, Taiwan

Table for IDC 03 02:02:39.9, 1.2, 23.82N:120.94E, mb3.8/6, mb1 3.9/7, mb1mx3.6/21, ML3.6/1, Error ellipse: s-maj=44.6km s-min=24.1km az=60.0. Lists stations like Code, Station Name, etc.

JMA 03 02:03:40.5, 0.4, 32.47N:142.78E, h63km, M3.8, Southeast of Honshu

Main table for JMA 03 02:03:40.5, 0.4, 32.47N:142.78E, h63km, M3.8, Southeast of Honshu. Lists stations like Code, Station Name, etc.

Table for NEIC 03 02:26:43.7, 0.8, 33.07S:72.13W, h10km, 3km, MD3.5. Lists stations like NIKO, OKER, etc.

GUC 03 02:26:43.7, 0.8, 33.07S:72.13W, h10km, 3km, MD3.5

Main table for NEIC 03 02:26:43.7, 0.8, 33.07S:72.13W, h10km, 3km, MD3.5. Lists stations like IHA, LCH, etc.

NEIC 03 02:26:43.7, 0.8, 33.07S:72.13W, h10km, ML2.9(GUC), After GUC

ISC 03 02:26:42.1, 1.3, 33.05S:0.04:72.21W:0.07, h9km, 6km, n15, c037/28, 4C-5D, Off coast of central Chile

Main table for NEIC 03 02:26:43.7, 0.8, 33.07S:72.13W, h10km, ML2.9(GUC), After GUC. Lists stations like Code, Station Name, etc.

IDC 03 02:02:39.9, 1.2, 23.82N:120.94E, mb3.8/6, mb1 3.9/7, mb1mx3.6/21, ML3.6/1, Error ellipse: s-maj=44.6km s-min=24.1km az=60.0

TAP 03 02:02:43.1, 24.00N:121.06E, h12km, 1km, ML4.2

NEIC 03 02:02:45.0, 0.9, 23.93N:121.10E, h35km, Error ellipse: s-maj=17.2km s-min=16.8km az=195.0

ISC 03 02:02:39.8, 6.2, 23.83N:109.121.0E:0.2, h11km, 40km, n9, c0935/10, mb3.7/6, Taiwan

Main table for IDC 03 02:02:39.9, 1.2, 23.82N:120.94E, mb3.8/6, mb1 3.9/7, mb1mx3.6/21, ML3.6/1, Error ellipse: s-maj=44.6km s-min=24.1km az=60.0. Lists stations like Code, Station Name, etc.

Table with columns: TXAR, Lajitas Array, 49.38 325 P, 03 10 42.6 -0.9, etc.

NEIC 03 03:35:34.7, 30.87N, 7.37W, MG.9(MDD), After MDD, INMG 03 03:35:36.5, 2.1, 30.91N, 7.17W, h16km, 57km, ML2.7, Error ellipse: s-maj=41.7km s-min=18.5km az=7.0, Morocco

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

BJI 03 04:06:55.6, 32.11N, 94.61E, h10km, mb4.3, ML3.3, IDC 03 04:06:56.7, 0.8, 32.41N, 94.73E, mb3.9/10, mb1 4.0/12, mb1mx4.0/19, ML3.4/2, Error ellipse: s-maj=36.9km s-min=16.6km az=53.0

NEIC 03 04:06:58.0, 6.32, 32.53N, 94.84E, h10km, Error ellipse: s-maj=14.2km s-min=10.6km az=76.0

ISC 03 04:06:58.8, 0.5, 32.32N, 0.05, 94.58E, 0.09, h10km, n21, r108/24, mb3.9/10, 1.2, Xizang

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

THE 03 04:13:33.9, 40.84N, 26.18E, h3km, ML3.2, ATH 03 04:13:38.2, 40.84N, 25.67E, h5km, ISC 03 04:13:35.0, 0.8, 40.89N, 0.06, 25.96E, 0.05, h5km, 8km, n11, r0963/15, Aegean Sea

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

NEIC 03 04:23:52.6, 38.69S, 177.85E, h17km, ML3.9(WEL), After WEL, WEL 03 04:23:52.6, 0.1, 38.67S, 177.84E, h13km, 2km, ML4.0/10, 6C-3D, Error ellipse: s-maj=1.7km s-min=1.2km az=90.0, North Island

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

Table with columns: EDRZ, Edgecumbe, 1.04 303 P, 04 24 12.1 +0.2, etc.

BJI 03 04:52:48.7, 26.35N, 103.15E, h17km, ML3.4, Ms3.7, Yunnan

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

LDG 03 04:53:05.8, 0.1, 45.96N, 2.81E, h4km, Md2.2/2, Ml2.5/11, Error ellipse: s-maj=1.1km s-min=0.8km az=102.0, STR 03 04:53:05.4, 0.2, 45.96N, 2.81E, h5km, 1km, Ml2.5, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

NEIC 03 04:53:05.8, 45.96N, 2.81E, h4km, Ml2.5(LDG), Ml2.5(STR), After LDG, ISC 03 04:53:04.0, 0.3, 45.95N, 0.02, 2.81E, 0.03, h12km, 5km, n20, r0093/43, France

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

DDC 03 06:04:48.0, 4.3, 42.30N, 2.22E, h7km, 3km, mbLg1.3/10, Error ellipse: s-maj=2.2km s-min=2.1km az=90.0, PRXIMO, LDG 03 06:04:48.0, 1.4, 42.29N, 2.20E, h9km, Ml1.8/4, Error ellipse: s-maj=1.7km s-min=1.3km az=73.0, STR 03 06:04:48.0, 1.4, 42.29N, 2.20E, h9km, 1km, Ml2.2, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

ISC 03 06:04:47.5, 0.6, 42.32N, 0.03, 2.17E, 0.04, h7km, n15, r1821/20, 1C, Pyrenees

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

ISC 03 05:09:58.0, 4.4, 20.06S, 178.68W, h657km, 74km, mb3.1/5, mb1 3.3/6, mb1mx3.0/17, Error ellipse: s-maj=95.1km s-min=19.5km az=169.0

NEIC 03 05:09:58.2, 4.0, 20.13S, 178.69W, h656km, 68km, mb4.0/4, Error ellipse: s-maj=74.1km s-min=11.9km az=170.0

ISC 03 05:09:56.2, 0.9, 20.2S, 0.4, 178.7W, 0.1, h650km, n15, r0311/14, mb3.6/7, 4C, Fiji Islands region

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

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

IDC 03 05:16:29.8, 33.0, 9.12N, 125.43E, mb3.8/4, mb1 4.0/4, mb1mx3.6/15, Error ellipse: s-maj=576.0km s-min=126.8km az=159.0

ISC 03 05:16:56.4, 0.8, 6.72N, 0.07, 127.01E, 0.07, h33km, n10, r129/14, mb3.6/4, 1C-1D, Philippine Islands region

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

IDC 03 05:42:10.2, 1.3, 3.0, 61N, 126.08E, mb3.6/4, mb1 3.8/4, mb1mx3.8/15, Error ellipse: s-maj=135.0km s-min=20.5km az=68.0, Northern Molucca Sea

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

IDC 03 05:50:52.7, 1.1, 0.24, 75S, 179.83E, h435km, 139km, mb3.3/5, mb1 3.6/6, mb1mx3.3/14, Error ellipse: s-maj=77.6km s-min=26.4km az=4.0

NEIC 03 05:50:60.0, 0.7, 25.22S, 179.78E, h530km, mb3.9/2, Error ellipse: s-maj=20.4km s-min=14.6km az=162.0

ISC 03 05:50:57.1, 0.9, 25.05S, 0.1, 179.7E, 0.2, h500km, n9, r047/10, mb3.7/7, South of Fiji Islands

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

MDD 03 06:04:48.0, 4.3, 42.30N, 2.22E, h7km, 3km, mbLg1.3/10, Error ellipse: s-maj=2.2km s-min=2.1km az=90.0, PRXIMO, LDG 03 06:04:48.0, 1.4, 42.29N, 2.20E, h9km, Ml1.8/4, Error ellipse: s-maj=1.7km s-min=1.3km az=73.0, STR 03 06:04:48.0, 1.4, 42.29N, 2.20E, h9km, 1km, Ml2.2, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

ISC 03 06:04:47.5, 0.6, 42.32N, 0.03, 2.17E, 0.04, h7km, n15, r1821/20, 1C, Pyrenees

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

ATH 03 06:23:50.3, 38.38N, 21.72E, h30km, THE 03 06:23:52.7, 39.68N, 22.24E, h6km, ML2.2, ISC 03 06:23:50.6, 1.1, 38.58N, 0.1, 21.7E, 0.2, h21km, 16km, n7, r032/8, Greece

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



3d 11h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, ISC. Includes stations like GRAT, KHC, BRTR, GEC2, GERES.

WEL 03 08:45:34.7, 0.3, 34.98S, -178.20E, h320km, 4km, ML4.0/1, Error ellipse: s-maj=14.1km s-min=5.6km az=90.0, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, ISC. Includes stations like URZ, MWZ, BKZ, MRZ, MWZ, TUWZ, NNZ.

IDC 03 09:14:42.6; 1.6, 6.44S, 130.54E, mb4.2/3, mb1 4.5/6, mb1mx4.2/13, ML4.4/3, Error ellipse: s-maj=66.7km s-min=20.8km az=67.0

NEIC 03 09:14:43.6; 0.7, 6.41S, 130.65E, h10km, mb4.8/2, Error ellipse: s-maj=20.9km s-min=8.0km az=68.0

ISC 03 09:14:56.4; 2.7, 7.00S; 10.130.3E; 0.1, h154km, 23km, n14, r144/21, mb4.2/4, 1C-1D, Banda Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, ISC. Includes stations like KAKA, FITZ, WRA, WRA, WRA, WB2, WB2, AS12, AS12, ASAR, ASAR, CTAO, CTAO, FORT, FORT, STKA, STKA, CMAR, CMAR, MKAR, MKAR, KURK, KURK.

CASC 03 09:27:01.9; 2.0, 10.64N, -87.21W, h35km, 19km, MD3.7, ML3.1

ISC 03 09:27:00.1; 1.3, 10.59N, 0.05; -87.32W; 0.08, h35km, n16, r059/22, 4C-6D, Off coast of Costa Rica

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, ISC. Includes stations like CRZC, CRZC, COPN, COPN, TICN, TICN, APON, APON, PYN, PYN, XAVN, XAVN, LEON, LEON, MGAN, MGAN, MGAN, MGAN, MOMJ, MOMJ, TEL3, TEL3, JCR, JCR, CGA2, CGA2, PRS1, PRS1, LAJ, LAJ, LCR2, LCR2, TRTC, TRTC.

IDC 03 10:17:00.7; 2.7, 17.08S; 179.20W, h559km, 33km, mb3.2/8, mb1 3.6/8, mb1mx3.4/15, Error ellipse: s-maj=65.9km s-min=10.9km az=152.0

NEIC 03 10:17:01.2; 0.7, 17.36S; 179.08W, h570km, mb4.3/3, Error ellipse: s-maj=43.9km s-min=10.2km az=149.0

ISC 03 10:16:59.4; 2.8, 17.25S; 0.4; -179.1W; 0.2, h563km, 37km, n31, r057/17, mb3.8/12, 5C-1D, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, ISC. Includes stations like TOO, STKA, STKA, WRB2, WRB2, WRA, WRA, WRA, WRA, AS12, AS12, ASAR, ASAR, ASAR, ASAR, KAKA, KAKA, FITZ, FITZ, NVAR, NVAR, ILAR, ILAR, TXAR, TXAR, PDAR, PDAR, YKA, YKA, MKAR, MKAR, MKAR, MKAR, BVAR, BVAR, ARCES, ARCES, ARCES, ARCES, FINES, FINES.

2004 JUL

Table with columns: BRTR, OKC, DPC, BRG, PRU, KHC, GERES, DAVOX, ESDC. Includes station names and coordinates.

IDC 03 10:46:03.1; 7.3, 3.01N, 127.73E, mb3.6/4, mb1 3.8/4, mb1mx3.6/18, Error ellipse: s-maj=119.0km s-min=96.1km az=135.0

ISC 03 10:45:42.9; 1.4, 5.8N; 0.1; -126.4E; 0.1, h67km, 25km, n11, r077/14, mb3.5/4, 1C-1D, Mindanao

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, ISC. Includes stations like MATI, MATI, GSHP, GSHP, KCP, KCP, BUKP, BUKP, PAGZ, PAGZ, FITZ, FITZ, FITZ, FITZ, WRA, WRA, ASAR, ASAR, STKA, STKA.

IDC 03 10:46:45.5; 1.1, 56.07N; 162.90E, mb3.6/6, mb1 3.9/7, mb1mx3.6/22, ML3.9/1, Error ellipse: s-maj=34.9km s-min=14.9km az=22.0

KRSC 03 10:46:48.4; 1.1, 56.03N; 163.25E, h13km, 2km, ML4.3

MOS 03 10:46:48.2; 0.5, 56.08N; 163.39E, h2km, mb4.3/2, Error ellipse: s-maj=19.8km s-min=11.1km az=66.0

NEIC 03 10:46:52.0; 0.6, 56.18N; 162.97E, h45km, Error ellipse: s-maj=16.7km s-min=11.8km az=173.0

ISC 03 10:46:48.0; 0.7, 56.03N; 0.03; -163.90E; 0.4, h22km, 5km, n52, r1905/88, mb3.6/6, Near east coast of Kamchatka

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, ISC. Includes stations like KBTR, KBTR, KBT, KBT, KCR, KCR, KCR, KCR, SVLR, SVLR, ZLN, ZLN, CIRR, CIRR, CIRR, CIRR, LGNR, LGNR, KLY, KLY, KLY, KLY, KRSR, KRSR, BKI, BKI, BKI, BKI, MKZ, MKZ, MKZ, MKZ, KMN, KMN, KMN, KMN, KOZR, KOZR, KOZR, KOZR, KOZ, KOZ, KOZ, KOZ, KUZ, KUZ, TUMR, TUMR, TUMR, TUMR, SRD, SRD, SRD, SRD, ESO, ESO, ESO, ESO.

KII Karymskiy 3.02 230 P Pn 10 47 36.9 +0.7

KSS Karymskiy 3.02 230 I P Pn 10 47 37.0 +0.8

OSSR Ossora 3.23 357 I P Pn 10 47 38.5 +0.6

SPN Mys Shipunski 3.53 215 P Pn 10 47 42.6 -0.8

NLC Nalytchevo 3.71 221 P Pn 10 47 46.2 +0.3

SDLR Sedlovina 3.80 225 I P Pn 10 47 47.6 +0.4

SMAR Somma 3.85 226 E P Pn 10 47 48.4 +0.5

AVH Avacha 3.87 226 E P Pn 10 47 49.2 +0.0

KOK Koryaka 3.90 227 E P Pn 10 47 49.4 +0.5

GNL Ganaly 3.92 236 E P Pn 10 47 51.5 +0.2

PET Petropavlovsk 4.09 224 I P Pn 10 47 54.0 +1.6

PET Petropavlovsk 4.09 224 I P Pn 10 47 51.6 +0.3

PET Petropavlovsk 4.09 224 E P Pn 10 47 51.7 +0.4

KRM R Karymskiy 4.44 226 P Pn 10 47 57.4 +1.1

RUS Russkaya 4.60 220 P Pn 10 47 58.2 -0.2

RUS Russkaya 4.60 220 E P Pn 10 47 57.8 -0.8

GRL Gorelyy 4.68 224 E P Pn 10 48 00.2 +0.6

68

Table with columns: FINES, FINES, FINES, FINES, TXAR. Includes station names and coordinates.

IDC 03 10:59:36.9; 1.1, 23.86S; 66.71W, h198km, 9km, mb3.6/6, mb1 3.8/1, mb1mx3.7/17, Error ellipse: s-maj=19.5km s-min=13.5km az=22.0

NEIC 03 10:59:37.0; 3.0, 23.85S; 66.69W, h201km, 7km, mb3.9/2, Error ellipse: s-maj=11.9km s-min=8.9km az=53.0

ISC 03 10:59:36.2; 0.8, 23.92S; 0.07; 66.70W; 0.1, h205km, 9km, n25, r090/24, mb3.8/7, 2C-1D, Fiji Province

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, ISC. Includes stations like LVC, LVC, LPAZ, LPAZ, LPAZ, LPAZ, CPUP, CPUP, PLCA, PLCA, PLCA, PLCA, VNA3, VNA3, VNA2, VNA2, TXAR, TXAR, GSPA, GSPA, DBIC, DBIC, PDAR, PDAR, ULM, ULM, NVAR, NVAR, YKA, YKA, YKA, YKA, ASAR, ASAR, WB2, WB2, WRA, WRA, MKAR, MKAR, MKAR, MKAR.

IDC 03 11:23:09.2; 2.2, 8.15S; 130.41E, mb3.2/1, mb1 3.4/3, mb1mx3.3/1, ML2.5/2, Error ellipse: s-maj=120.0km s-min=70.2km az=69.0

ISC 03 11:23:17.9; 2.3, 8.43S; 0.09; 130.4E; 0.1, h97km, 27km, n9, r094/16, mb3.0/1, Tanimar Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, ISC. Includes stations like KAKA, KAKA, KAKA, KAKA, FITZ, FITZ, FITZ, FITZ, WRA, WRA, WRA, WRA, WB2, WB2, WB2, WB2, ASAR, ASAR, ASAR, ASAR, MKAR, MKAR, MKAR, MKAR.

IDC 03 11:35:29.5; 6.5, 16.64S; 179.13W, h483km, 42km, mb3.5/5, mb1 3.7/5, mb1mx3.2/17, Error ellipse: s-maj=103.0km s-min=61.2km az=141.0

NEIC 03 11:35:22.6; 1.6, 16.47S; 178.79W, h430km, mb4.0/7, 5C-2D, Error ellipse: s-maj=37.8km s-min=28.5km az=131.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s, ISC. Includes stations like CTA, CTA, CTA, CTA, CTA, CTA, CNB, CNB, TOO, TOO, STKA, STKA, STKA, STKA, STKA, STKA, WRA, WRA, WRA, WRA, ASAR, ASAR, KAKA, KAKA, KAKA, KAKA, FORT, FORT, FORT, FORT, FITZ, FITZ, FITZ, FITZ, FITZ, FITZ, KLB, KLB.







Table with columns: Code, Station Name, Azimuth, Altitude, Phase ID, Time Res, Res ISC. Includes stations like Pioggiola, Givet, Imperia, Baive, etc.

Table with columns: Code, Station Name, Azimuth, Altitude, Phase ID, Time Res, Res ISC. Includes stations like Elelson Array, Horhachuelos, Manteigas, etc.

Table with columns: Code, Station Name, Azimuth, Altitude, Phase ID, Time Res, Res ISC. Includes stations like LSA Lhasa, KKK Kakan, GKN Gorkha, etc.

IDC 03 14:36:04.0, 0.7, 34.04N-89.32E, mb4.0/12, mb1 4.2/15, mb1mx4.1/21, ML3.7/3, MS3.4/1, Ms1 3.6/1, ms1mx3.1/25, Error ellipse: s-maj=29.3km s-min=15.3km az=47.0

LDG 03 14:36:05.3, 0.4, 34.22N-89.31E, h10km, mb4.7/10, Error ellipse: s-maj=17.8km s-min=7.2km az=110.0

NEIC 03 14:36:06.5, 0.3, 34.13N-89.50E, h10km, mb4.7/7, Error ellipse: s-maj=6.8km s-min=5.6km az=82.0

ISC 03 14:36:04.6, 0.3, 34.14N-104.8941E, 0.07, h10km, n58, r1912/53, mb4.2/20, 3C-1D, Xizang

IDC 03 14:46:40.9, 2.4, 0.72S, 132.72E, mb3.7/2, mb1 3.9/4, mb1mx3.6/16, ML3.7/2, Error ellipse: s-maj=95.3km s-min=25.5km az=77.0

NEIC 03 14:46:42.1, 2.0, 6.7S, 132.97E, h10km, mb3.6/2, Error ellipse: s-maj=32.8km s-min=15.0km az=75.0

ISC 03 14:46:45.0, 0.3, 0.86S, 108.132.7E, 0.2, h42km, 31km, n11, c098/15, mb3.8/2, Irian Jaya, region

DJA 03 14:57:29.1, 0.9, 8.93S, 114.93E, h110km, 6km, MD4.8/4, 7C, Error ellipse: s-maj=29.0km s-min=10.2km az=15.0, Bali region

BUI 03 14:36:02.7, 33.99N-89.27E, h12km, mb4.5

Table with columns: KEDI, Kedomdong, 1.25, 70, ePn, P, 14 57 52.6, -0.8, 14 58 09.8, -1.9

GUC 03 14:59:33.1±0.7, 33.08S, 72.12W, h19km, MD3.8, ML3.4, 4C-6D, Off coast of central Chile

Main table for GUC station data with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC

IDD 03 15:09:05.6±0.8, 3.50N, 126.69E, mb4.1/9, mb1 4.3/9, mb1mx4.2/18, MS3.6/2, Ms1 3.6/2, ms1mx2.9/26, Error ellipse: s-maj=49.9km s-min=15.1km az=70.0

NEIC 03 15:09:13.3±3.4, 3.48N, 126.71E, h59km, 33km, mb4.7/7, Error ellipse: s-maj=23.7km s-min=8.8km az=71.0

ISC 03 15:03:13.7±1.7, 3.44N, 0.08±126.6E, 0.2, h79km, 17km, n2, c080/22, mb4.3/14, 1C-4D, Talau Islands

Main table for ISC station data with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC

IDD 03 15:54:49.8±0.9, 27.45N, 142.86E, mb3.8/5, mb1 4.1/5, mb1mx3.7/19, Error ellipse: s-maj=37.1km s-min=13.5km az=139.0

ISC 03 15:54:52.7±0.9, 27.44N, 0.0±143.0E, 0.1, h33km, n6, c089/7, mb3.8/5, Bonin Islands region

Main table for ISC station data with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC

NIED 03 16:27:00, 42.40N, 144.70E, h32km, Mw4.3 Best double couple: M2, 97.4°1015 NP19°, δ73°, λ64°. NP2:α258°, β31°, γ145°

JMA 03 16:27:25.7, 42.39N, 144.68E, h39km, 1km, M4.1 JMA Fajit 1/1

BUI 03 16:27:27.0, 42.49N, 144.61E, h51km, mb5.0, mb4.6, Ms4.1

NEIC 03 16:27:27.5±1.4, 42.51N, 144.48E, h40km±14km, mb4.5/7, Mw4.3(NIED), Error ellipse: s-maj=14.4km s-min=10.2km az=114.0

NEIC Recorded [1 JMA] in the Kushiro area. MOS 03 16:27:30.5±1.7, 42.79N, 144.53E, h77km, mb4.6/5, Error ellipse: s-maj=17.6km s-min=10.9km az=100.2

IDD 03 16:27:31.9±2.8, 42.69N, 144.47E, h76km, 24km, mb3.6/16, mb1 3.8/16, mb1mx3.7/24, MS3.4/5, Ms1 3.5/5, ms1mx3.1/23, Error ellipse: s-maj=17.1km s-min=14.4km az=140.0

ISC 03 16:27:1.0±6.2, 42.52N, 0.05±144.53E, 0.06, h54km, 4km, h34km, 2.6km, pP, n6, c111/66, mb4.1/26, MS3.7/8, 5C-6D, Hokkaido region

Main table for station data with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC

Table with columns: PDAR, Sinedale Array, 72.16, 48, P, P, 16 38 47.9, +0.2

Table with columns: RAR, Rarotonga, 81.57, 129, P, P, 16 39 42.7, +2.0

VNA2 Neumayer-1, 2s, baz=224, slow=6.5, SNR=3.1 PKPdf 16 47 11.4 ±9.0

VNA3 Neumayer-01, 148.48, 196.1/1 PKPdf 16 47 10.3 ±7.6

VNA1 Neumayer-Stat, 148.65, 197.1/1 PKPdf 16 47 13.3 ±10

IDD 03 16:33:35.9±1.7, 38.67N, 20.29E, mb3.8/8, mb1 3.8/13, mb1mx3.7/26, ML3.4/5, MS2.8/1, Ms1 2.9/1, ms1mx2.3/23, Error ellipse: s-maj=30.5km s-min=16.0km az=36.0

NEIC 03 16:33:37.6, 38.63N, 20.58E, h55km, MD3.6(PDG), ML3.3(9AT1), Afta AT1

ATH 03 16:33:37.8, 38.63N, 20.58E, h55km, MD3.9/14, ML3.9

THE 03 16:33:38.2, 38.61N, 20.47E, h10km, ML3.9

PDG 03 16:33:39.0±0.1, 38.54N, 19.84E, h28km, 51km

ISC 03 16:33:30.3±0.3, 38.66N, 0.03±20.44E, 0.02, h5km, n88, c159/121, mb3.7/9, MS2.6/1, 12C, Greece

Main table for station data with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC

Table with columns: MKAR, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, SNR, and other parameters.

IDC 03 16:44:38.7-0.9, 11.00N:125.17E, mb3.8/8, mb1 4.0/8, mb1mx3.8/19, Error ellipse: s-maj=44.2km s-min=16.3km az=70.0

MAN 03 16:44:39.6, 10.98N:124.74E, h1km, mb4.7, ML3.6, MS3.5, NEIC 03 16:44:40.6, 0.5, 11.00N:125.14E, h10km, mb4.6/3, Error ellipse: s-maj=27.0km s-min=8.1km az=67.0

MOS 03 16:44:41.5, 1.4, 10.89N:125.02E, h33km, mb4.6/4, Error ellipse: s-maj=44.8km s-min=21.4km az=111.8

ISC 03 16:44:40.6, 0.5, 11.01N:125.03E, h13km, mb4.1, n41, c1923/53, mb4.0/13, 5C-3D, Leyte

Main table for Leyte region with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters.

Table for Luzon region with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters.

MAN 03 17:06:14.2, 10.96N:124.78E, h2km, mb4.0, ML2.7, MS2.4, 1D, Leyte

Table for Luzon region with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters.

NEIC 03 17:43:10.2, 37.83N:19.97E, h10km, MD3.4(A)TH, After ATH

ATH 03 17:43:10.2, 37.83N:19.97E, h10km, MD3.4/5

THE 03 17:43:15.2, 37.97N:19.97E, h21km

ISC 03 17:43:10.9, 1.6, 37.96N:0.07E, 19.95E, 0.09, h3km, mb7km, n14, c1915/20, Ionian Sea

Main table for Ionian Sea region with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters.

IDC 03 17:45:37.6, 1.2, 19.59N:145.43E, mb3.8/5, mb1 4.0/5, mb1mx3.7/21, Error ellipse: s-maj=94.7km s-min=23.4km az=107.0

ISC 03 17:45:40.7, 1.2, 19.59N:145.7E, 0.7, h33km, n5, c0475/7, mb3.8/5, Mariana Islands

Main table for Mariana Islands region with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters.

IDC 03 17:59:04.2, 7.3, 44.98S:167.05E, h50km, 55km, mb3.4/4, mb1 3.7/5, mb1mx3.7/10, ML3.9/1, MS3.4/1, Mst1 3.3/1, ms1mx2.9/9, Error ellipse: s-maj=105.0km s-min=23.0km az=2.0

WEL 03 17:59:04.2, 0.5, 45.10S:167.06E, h20km, ML4.4/13, Error ellipse: s-maj=4.5km s-min=2.0km az=90.0

WEL Feil in the Southland region, maximum reported intensity MM

NEIC 03 17:59:05.4, 45.16S:167.08E, h50km, mb4.2/3, ML4.0(WEL), After WEL

ISC 03 17:59:01.8, 0.7, 45.01S:0.04E, 166.94E, 0.05, h31km, mb4km, n53, c1915/39, mb3.9/6, MS3.2/1, 5C-5D, Off west coast of South Island

Main table for South Island region with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters.

Table for Waipu Caves region with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters.

GII 03 18:15:22.2, 0.7, 28.58N:34.79E, h5km, mb3.30km, ML3.3/5, Mw2.8/4

SNSN 03 18:15:26.1, 28.76N:34.71E, h20km, MI3.1

ISC 03 18:15:24.8, 1.5, 28.74N:0.06, 34.6E, 0.1, h10km, n15, c1909/18, Egypt

Main table for Egypt region with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters.

IDC 03 18:16:27.1, 0.7, 33.92N:89.23E, mb4.0/11, mb1 4.2/14, mb1mx4.1/20, ML3.7/3, MS3.7/4, Ms1 3.7/4, ms1mx3.3/34, Error ellipse: s-maj=30.5km s-min=14.7km az=49.0

BUI 03 18:16:28.2, 34.01N:89.32E, h10km, mb4.6, mb4.3, Ms4.5, n24.1

NEIC 03 18:16:29.0, 4.0, 34.03N:89.32E, h10km, mb4.3/3, Error ellipse: s-maj=8km s-min=5.9km az=88.0

ISC 03 18:16:27.5, 0.3, 34.04N:0.04, 89.28E, 0.06, h10km, n51, c1905/47, mb4.0/12, MS3.9/2, 3C-3D, Xizang

Main table for Xizang region with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, YSS, comp, N, 80nm, 1.1s, pmax, pmax. Includes stations like DZM, URZ, RPZ, etc.

NIED 03 18:43:00, 40.00N, 141.50E, h86km, Mw4.7 Best double couple: Mo: 1.1x10^16 NP1: 194.878, 1.61. NP2: 83, 83.1, 156.
BUJ 03 18:43:53.0, 40.57N, 141.48E, h119km, mb4.8, mb4.8
JMA 03 18:43:54.7, 0.1, 40.53N, 141.48E, h105km, 1km, M4.5
JMA Felt III J1
IDC 03 18:43:54.7, 0.6, 40.55N, 141.27E, h100km, 5km, mb4.2/29, mb1.4/3/2, mb1mx4.3/3/6, MS3.3/6, Ms1.3/3/6, ms1mx3.0/3/0, Error ellipse: s-maj=12.4km s-min=8.1km az=110.0
MOS 03 18:43:54.2, 0.9, 40.71N, 141.22E, h98km, mb4.8/14, Error ellipse: s-maj=11.4km s-min=6.7km az=106.9
NEIC 03 18:43:55.1, 0.2, 40.54N, 141.27E, mb4.6/54, MW4.7(NIED), Error ellipse: s-maj=4.8km s-min=3.7km az=146.0
NEIC Felt at Misawa. Recorded [2 JMA] in Amori and Iwate; [1 JMA] in Akita and Miyagi Prefectures. Also recorded [1 JMA] in the Toi area, Hokkaido.
ISC 03 18:43:54.5, 0.3, 40.55N, 0.03, 141.30E, 0.03, h108km, 2km, h100km, 3.7km, pP, n236, r1509/232, mb4.6/98, 30C-25D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, YSS, comp, N, 20nm, 1.1s, pmax, pmax. Includes stations like JANG, JTM, JAH, etc.

Main table with columns: YSS, comp, N, 80nm, 1.1s, pmax, pmax. Includes stations like YSS, KUR, VLA, etc.

Table with columns: WMQ, S, S, 18 57 07.0 +0.6, 18 59 55.0 -2.5. Includes stations like WMQ, CHRT, NANT, etc.

Table of station data for Sochi, including columns for station name, coordinates, and various parameters like elevation and signal strength.

Table of station data for Kamchatka Peninsula, including columns for station name, coordinates, and various parameters like elevation and signal strength.

Table of station data for Kamchatka Peninsula, including columns for station name, coordinates, and various parameters like elevation and signal strength.

Table of station data for Kamchatka Peninsula, including columns for station name, coordinates, and various parameters like elevation and signal strength.

Station information for Kamchatka Peninsula, including coordinates and station names like MYD, KRSK, and NEIC.

Main table of station data for Kamchatka Peninsula, including columns for Code, Station Name, coordinates, Phase ID, Time, Res, and various parameters.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PDAR Pinedale Array, JOF Joensuu, FINES FINES Array B, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TCF Toulx Ste Croix, PLDF La Plantade, BGF Bois d'Angland, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MBDF Montbardon, LPDF La Plagne, LPL L'Plage, etc.

IDC 03 19:30:14.0.2.4, 11.965x166.06E, mb4.0/5, mb1 4/1.5, mb1mx3.9/15, MS3.2/3, MS1 3.2/3, ms1mx3.0/19, Error ellipse: s-maj=80.0km s-min=33.2km az=127.0, Santa Cruz Islands

ISK 03 20:29:05.2, 38.49N-31.33E, h5km, MD4.1, ML4.3. NEIC 03 20:29:05.2, 38.49N-31.33E, h5km, mb4.3/1, After ISK. NEIC Fell in the Afyon-Akeshir-Sultandagi area. IDC 03 20:16:7.2.3.38, 75N 31.13E, mb3.4/5, mb1 3.7/12, mb1mx3.6/26, ML3.6/7, MS3.3/5, Ms1 3.3/5, ms1mx3.0/16, Error ellipse: s-maj=33.5km s-min=28.3km az=135.0, putative timing error at EIL. THE 03 20:29:19.9, 38.66N-31.27E, h7km, ML4.4. ISC 03 20:29:06.0.3.38.50N.0.03-31.32E.0.03, h5km, m106, c074/84, mb3.9/10, MS3.3/3, 2C-3D, Turkey

IDC 03 20:36:45.6.1.4, 24.81N-128.28E, mb3.7/4, mb1 3.9/5, mb1mx3.6/21, ML3.6/1, MS3.5/1, Ms1 3.5/1, ms1mx2.6/25, Error ellipse: s-maj=70.6km s-min=18.9km az=74.0. NEIC 03 20:36:46.7.0.9, 24.82N-128.41E, h10km, Error ellipse: s-maj=60.5km s-min=13.4km az=77.0. JMA 03 20:36:48.8.0.4, 24.89N-127.99E, h7km, M3.6. ISC 03 20:36:50.1.0.6, 24.98N-127.90E, h7km, m21, c113/32, mb3.5/4, Southeast of Ryukyu Islands

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KIZT Kizilcal, TKPT Tekektepe, ISP Isparta, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JTT2 Tamagusuku 2, JNT2 Naha, NAH1 Kume jima 2, etc.

NEIC 03 19:37:16.1, 28.88S-69.74W, h109km, After GUC. GUC 03 19:37:16.1, 0.9, 28.88S-69.74W, h108km, 59km, ML3.8, Chile-Argentina border region

ULDT Ulduz, 2.36 315 P Sx 20 29 48.7 +0.2

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like VACH Vallenar, TLL Tololo Astrono, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VACH Vallenar, TLL Tololo Astrono, CPOCH Copiapo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ULDT Ulduz, DST Dursunbey, ORLV Orhaneli, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JMW Miyako jima 2, JTM Tokunoshima, etc.

CASC 03 20:05:49.9.2.3, 11.33N-88.12W, h62km, 172km, MD3.9, ML3.4

ISC 03 20:05:49.4.0.9, 11.29N-0.07-88.14W-0.05, h57km, 51km, n19, c090/32, 5C-4D, Off coast of central America

IDC 03 20:48:11.8.1.6, 24.04S-179.95E, h151km, 15km, mb3.7/10, mb1 3.9/11, mb1mx3.7/16, Error ellipse: s-maj=25.8km s-min=15.0km az=159.0. NEIC 03 20:48:12.6.1.4, 24.15S-179.91E, h526km, 15km, mb4.3/8, Error ellipse: s-maj=13.0km s-min=10.3km az=178.0. ISC 03 20:48:11.7.2.5, 24.1S-0.1x179.9E-0.1, h520km, 29km, n42, c084/29, mb4.1/17, 4C-4D, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PVN Poveloya, LEON Leon, COPN Copaltepe, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ALN Edirne, LOS Limnos, MALT Malatya, etc.

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

LDG 03 20:20:13.0.0.4, 45.97N-2.80E, h6km, Md 1.9/1, Ml2.0/9, Error ellipse: s-maj=1.0km s-min=0.6km az=108.0. STR 03 20:20:13.3.0.8, 45.94N-2.85E, h5km, 1km, Ml2.1, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0. ISC 03 20:20:11.4.0.4, 45.95N-0.02-2.81E-0.03, h10km, 6km, n17, c093/34, France

AKASG Malin Array Be 12.29 354 P P 20 32 08.4 +3.3

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like PYM Petit Puy Mans, AGO Saint Agoulin, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PYM Petit Puy Mans, AGO Saint Agoulin, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AKASG Malin Array Be, VRAC Vranovo, GERES GERES Array B, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, etc.

3d 22h

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like San Rafael, Lajitas Array, Eielson Array, etc.

NIED 03 21:25:02.28, 60N, 129.60E, h33km, Mw4.1. Best double couple: Mo 1.52x10^15 NP1:phi=140, delta=1, lambda=10. NP2: phi=43, delta=2, lambda=12.

JMA 03 21:25:19.6:1.7, 28.49N, 129.77E, h57km, 15km, mb3.5/6, mb1 3.7/9, mb1mx3.5/24, Error ellipse: s-maj=36.9km s-min=8.8km az=119.0

NEIC 03 21:25:20.5:1.3, 28.44N, 129.81E, h67km, 11km, mb4.0/1, Error ellipse: s-maj=29.0km s-min=11.3km az=124.0

NEIC R202 (2 JMA) on Amami-Oshima. ISC 03 21:25:19.1:0.5, 28.55N, 129.65E, 0.09, h64km, 5km, n12, phi=68/31, mb3.6/7, Ryukyu Islands

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

IDC 03 21:36:56.2:13.0, 10.23N, 86.24W, mb3.4/3, mb1 3.9/3, mb1mx3.6/19, Error ellipse: s-maj=410.0km s-min=138.4km az=28.0

CASC 03 21:37:06.7:2.3, 10.63N, 87.16W, h32km, 13km, MD3.9, ML3.5

ISC 03 21:37:05.8:0.7, 10.58N, 0.04, 87.20W, 0.03, h35km, 12km, n32, phi=65/46, mb3.3/3, 4C-4D, Off coast of Costa Rica

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

2004 JUL

INMG 03 21:55:25.3:1.2, 38.07N, 8.53W, h4km, 4km, ML1.1, Error ellipse: s-maj=3.3km s-min=2.1km az=86.0

MDD 03 21:55:25.1:0.5, 38.07N, 8.55W, h6km, 7km, mbLg1.3/7, Error ellipse: s-maj=4.5km s-min=2.8km az=105.0, PRXIMO

ISC 03 21:55:24.3:0.7, 38.05N, 0.03, 8.51W, 0.06, h12km, 5km, n13, phi=57/19, Portugal

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

PGC 03 22:01:58.7, 58.11N, 133.75W, h1km, ML3.3/2, Near Mt. Ogden, British Columbia - Alaska border., Southeastern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Dease Lake, Whitehorse, Fort Nelson, etc.

JMA 03 22:07:58.4:0.3, 32.82N, 140.39E, h52km, M3.7

ISC 03 22:07:58.2:1.7, 32.91N, 0.09, 140.58E, 0.09, h52km, n11, phi=68/17, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Mitsue, Miyake jima 2, Kozu shima, etc.

NIED 03 22:21:00.39, 10N, 144.30E, h5km, Mw3.4 Best double couple: Mo 1.66x10^14 NP1:phi=128, delta=8, lambda=14. NP2: phi=14, delta=2, lambda=27.

JMA 03 22:21:38.3:0.2, 39.11N, 144.30E, h48km, M3.6

ISC 03 22:21:36.5:1.1, 39.17N, 0.09, 144.45E, 0.10, h60km, 61km, n12, phi=73/18, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Miyako 2, Tanohata, Ofunato, etc.

THR 03 22:22:08.1:1.4, 26.94N, 55.24E, h18km, 27km, ML3.4

IDC 03 22:22:12.4:1.9, 28.37N, 56.63E, mb3.7/11, mb1 3.8/12, mb1mx3.8/21, ML3.7/1, MS3.0/2, Ms1 3.0/2, ms1mx2.6/27, Error ellipse: s-maj=42.1km s-min=21.4km az=16.0

NEIC 03 22:22:22.4:1.2, 28.38N, 56.50E, h91km, 38km, mb4.2/10, Error ellipse: s-maj=25.6km s-min=10.3km az=177.0

ISC 03 22:22:08.9:0.6, 27.98N, 0.06, 56.51E, 0.06, h10km, n40, phi=69/46, mb3.9/21, MS2.9/2, Southern Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Bandar-Abbas, Na'in, Mat, etc.

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

IDC 03 23:03:04.0:2.4, 49.49S, 125.37E, mb3.7/3, mb1 4.0/3, mb1mx3.8/10, MS3.8/5, Ms1 3.8/5, ms1mx3.4/16, Error ellipse: s-maj=240.0km s-min=27.7km az=91.0, Western Indian-Andrian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Narrogin (SRO), Stephens Creek, Alice Springs, etc.

INMG 03 22:51:23.1:0.9, 35.72N, 6.86W, h1km, 13km, ML1.8

MDD 03 22:51:21.9:1.4, 35.85N, 6.82W, mbLg1.9/6, 1D, Error ellipse: s-maj=13.3km s-min=6.6km az=12.0, 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 Espera, Alcouthim, Alcouthim, etc.







PDAR Pinedale Array 31.58 334 P P 00 35 03.4 +2.1
MNV Mina 33.11 319 eP P 00 35 16.7 +2.0
NVAR Nina Array B 33.21 319 P P 00 35 20.1 +4.6

NEIC 04 00:40:49.7z 1.7, 17.53S; 69.98W, h134km, 15km, mb3.9/1,
Error ellipse: s-maj=32.0km s-min=14.4km az=109.0

Code Station Name Az AZZ Phase ID Time Res
LPAZ La Paz 2.14 51 Op ISC h m s ISC
LPAZ 16nm, 0.3s, baz=248, slow=8.6, SNR=462
LPAZ 2.0nm, 0.3s, baz=355, slow=22, SNR=10

IDC 04 00:44:37.9z 26.0, 29.77S, 174.63W, mb4.0/4, mb1 4.1/4,
mb1mx3.8/15, Error ellipse: s-maj=470.0km
s-min=137.6km az=87.0, Kermadec Islands region

Code Station Name Az AZZ Phase ID Time Res
CTA Charters Tower 36.61 276 Op ISC h m s ISC
STKA Stephens Creek 37.46 255 P P 00 51 53.6 -1.4

IDC 04 00:54:29.3z 2.2, 34.72N; 23.88E, mb3.9/6, mb1 3.8/9,
mb1mx3.6/23, ML3.4/3, Error ellipse: s-maj=40.4km
s-min=10.4km az=160.0

Code Station Name Az AZZ Phase ID Time Res
GVD Gavidhos 0.17 38 ePb P 00 54 39.0 +1.8
VAM Vamora 0.72 16 Pn P 00 54 46.1 -2.2
IDI Anoyia 0.96 53 Pp P 00 54 49.3 -1.0

IDC 04 01:03:39.5z 1.6, 37.82N; 106.20E, mb3.5/2, mb1 3.6/4,
mb1mx3.3/20, ML3.4/2, Error ellipse: s-maj=47.8km
s-min=22.9km az=80.0

XAN Xian 4.26 149 PG S P 01 05 01.6 +2.0
XAN Xi'an 01 05 47.0 -9.4
XAN 01 05 54.0 -2.4

IDC 04 01:30:42.5z 7.9, 7.77S, 117.03E, h49km, 93km, mb3.4/3,
mb1 3.8/4, mb1mx3.5/16, ML3.4/1, Error ellipse:
s-maj=241.0km s-min=39.0km az=56.0

Code Station Name Az AZZ Phase ID Time Res
KEDI Kedomdong 2.32 271f ePn P 01 32 12.5 +0.2
RATI Rata 2.90 266f ePn P 01 31 50.4 +0.2

IDC 04 02:05:18.2z 20.0, 8.93S; 157.78E, h115km, 200km,
mb3.4/5, mb1 3.7/5, mb1mx3.5/13, MS3.0/2, MS1 3.0/2,
ms1mx2.9/6, Error ellipse: s-maj=71.7km s-min=57.3km
az=136.0, Bougainville - Solomon Islands region

Code Station Name Az AZZ Phase ID Time Res
PMG Port Moresby 10.50 267 LR LR 02 31 49.3
CTA Charters Tower 15.72 224 LR LR 02 33 52.5
WRA Warramunga Arr 25.17 242 P P 02 31 10.8 -2.7

IDC 04 03:08:12.4z 20.0, 18.97N; 145.51E, h273km, 203km,
mb2.9/5, mb1 3.2/5, mb1mx2.9/19, Error ellipse:
s-maj=41.2km s-min=32.0km az=60.0

Code Station Name Az AZZ Phase ID Time Res
MXZ Matakaoa Point 1.32 272 Pn P 03 05 39.8 -1.0
PUZ Putukititi 1.43 251 ePn Pn 03 05 41.2 -1.0
MWZ Matawai 2.06 249 Pn Pn 03 05 49.4 -1.8

IDC 04 03:12:20.0z 0.9, 8.75S; 118.01E, h142km, 14km, MD4.8/3,
ML5.0/4, 4C-4D, Error ellipse: s-maj=63.1km
s-min=25.6km az=20.0, Sumbawa region

LLCH Pirque 0.62 16f iP P 02 06 22.0 +0.3
LNW Longovilo 0.63 294f iP P 02 06 33.7 +0.5
LNV Antupapu 0.65 61f iP P 02 06 31.7 -0.1

IDC 04 02:25:48.1z 22.0, 8.93S; 157.78E, h115km, 200km,
mb3.4/5, mb1 3.7/5, mb1mx3.5/13, MS3.0/2, MS1 3.0/2,
ms1mx2.9/6, Error ellipse: s-maj=71.7km s-min=57.3km
az=136.0, Bougainville - Solomon Islands region

Code Station Name Az AZZ Phase ID Time Res
ILCH Illapel 2.60 351 eS P 02 06 47.0 -0.2
CCHI Chillan 2.62 205 iS P 02 07 18.1 -0.2
CMCH Combarbala 3.05 355f iP P 02 06 52.6 -0.8

IDC 04 03:05:18.2z 0.7, 37.61N; 179.96E, h33km, ML3.6/2, Error
ellipse: s-maj=6.2km s-min=5.9km az=90.0, Off east
coast of North Island

Code Station Name Az AZZ Phase ID Time Res
WRA Warramunga Arr 40.21 196 P P 03 15 22.5 -0.3
MKAR Makanchi Array 58.05 314 P P 03 17 38.6 +0.9
ILAR Eielson Array 63.45 26 P P 03 18 12.4 -1.5

IDC 04 03:08:12.4z 20.0, 18.97N; 145.51E, h273km, 203km,
mb2.9/5, mb1 3.2/5, mb1mx2.9/19, Error ellipse:
s-maj=41.2km s-min=32.0km az=60.0

Code Station Name Az AZZ Phase ID Time Res
WRA Warramunga Arr 23.18 164 P P 03 34 36.9 -1.4
SONM Songino Array 48.81 341 P P 03 38 16.0 -1.8
MKAR Makanchi Array 59.15 325 P P 03 39 31.9 -1.8

IDC 04 03:29:28.8z 1.6, 2.44N, 127.66E, mb3.8/4, mb1 3.9/4,
mb1mx3.8/16, Error ellipse: s-maj=133.0km
s-min=25.6km az=69.0, Northern Molucca Sea

NEIC 04 03:32:24.6, 19.66N-66.13W, h25km, MD3.6(RSPR), After RSPR.

RSPR 04 03:32:24.6, 19.66N-66.13W, h25km, 31km, M3.6, 11C-3D, Puerto Rico region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists station data for Puerto Rico region including CSB, AOPR, HUMP, etc.

MEX 04 03:38:50.7, 0.8, 16.73N-95.02W, h98km, 7km, MD4.1 NEIC 04 03:38:50.8, 16.78N-95.05W, h100km, MD4.0(MEX), After MEX.

ISC 04 03:38:49.1, 1.0, 16.77N-0.06, 95.02W, 0.04, h97km, 9km, n10, c058719, 1C-1D, Oaxaca

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists station data for Oaxaca region including CMIC, TUIG, HUIG, etc.

IDC 04 04:18:43.3, 1.3, 17.61N-147.93E, mb3.7, mb1 4.0/6, mb1mx3/8/19, Error ellipse: s-maj=37.8km s-min=27.6km az=123.0

NEIC 04 04:18:44.7, 1.0, 17.43N-147.99E, h10km, mb3.9/1, Error ellipse: s-maj=26.5km s-min=12.8km az=105.0

ISC 04 04:18:44.5, 7.8, 17.55N, 0.1, 147.9E, 0.2, h21km, 56km, n11, c091911, mb3.7/6, Mariana Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists station data for Mariana Islands region including GUMO, MAJO, MAT, etc.

IDC 04 04:19:49.1, 0.7, 27.27N-140.36E, h421km, 10km, mb3.0/8, mb1 3.3/8, mb1mx3/120, Error ellipse: s-maj=29.3km s-min=19.2km az=94.0

ISC 04 04:19:48.4, 0.9, 27.22N-140.4E, 0.3, h430km, 12km, n11, c050172, mb3.3/9, Bonin Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists station data for Bonin Islands region including CBUJ, WRA, MKAR, etc.

NEIC 04 04:21:31.9, 0.6, 10.89N-86.43W, h10km, mb4.1/10, Error ellipse: s-maj=23.0km s-min=8.3km az=42.0

CASC 04 04:21:31.6, 2.1, 10.59N-86.70W, h24km, 10km, MD4.1, M3.9, MV4.8, mb4.1(NEIC)

IDC 04 04:21:36.7, 4.2, 11.16N-86.14W, h36km, 36km, mb3.9/7, mb1 4.1/9, mb1mx3/8/22, M3.0/2, M3.0/2, M3.1/3, 2, ms1mx2.0/2, Error ellipse: s-maj=42.1km s-min=17.7km az=50.0

ISC 04 04:21:31.6, 1.3, 10.59N-0.04, 86.70W, 0.03, h27km, 10km, n66, c101714, mb4.0/17, M3.3/6, 2, 18C-7D, Off coast of Costa Rica

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists station data for Costa Rica region including CRZC, VCR, CONN, etc.

Table with columns: PNY, MOMJ, LEON, MIRN, etc. Lists station data for the top half of the second section.

Table with columns: SDV, HKT, NATX, JCT, etc. Lists station data for the middle half of the second section.

Table with columns: TXAR, TXAR, MNTX, ANMO, etc. Lists station data for the bottom half of the second section.

NEIC 04 04:43:03.0, 1.0, 18.75S-168.86E, h10km, mb4.5/6, Error ellipse: s-maj=20.4km s-min=17.3km az=86.0

IDC 04 04:43:34.0, 18.0, 19.07S-168.15E, h262km, 158km, mb3.6/7, mb1 3.7/7, mb1mx3/6/15, M3.3/8/8, M3.1/3, 8, ms1mx3/7/6, Error ellipse: s-maj=83.1km s-min=29.7km az=62.0

ISC 04 04:43:03.8, 3.7, 18.83S-0.07, 168.9E, 0.1, h2km, 25km, n38, c10928, mb4.3/11, M3.3/8, 1C-2D, Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists station data for Vanuatu Islands region including BKM, DZM, etc.

NEIC 04 04:43:03.8, 3.7, 18.83S-0.07, 168.9E, 0.1, h2km, 25km, n38, c10928, mb4.3/11, M3.3/8, 1C-2D, Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists station data for the bottom half of the second section.

Table with columns: TXAR, GERES, GERES, GRA1, CDF, HAU, CAUF, LOR, SSF, AVF, BGF, ORIF, LASF. Lists station data for the top half of the third section.

NEIC 04 04:44:49.5, 39.76N-24.15E, h32km, MD3.1(ATH), After ATH

ATH 04 04:44:49.4, 39.76N-24.15E, h30km, 1km, MD3.1/5

THE 04 04:44:50.4, 39.74N-24.18E, h10km, MD2.2

ISC 04 04:44:50.1, 0.5, 39.76N-0.03, 24.17E, 0.04, h28km, 6km, n18, c06725, 1C, Aegean Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists station data for Aegean Sea region including PAIG, OUR, AOS, etc.

BUJ 04 05:03:05.5, 41.50S-73.70W, h43km, mb4.6, Msz4.9 GUC 04 05:03:05.0, 4.0, 41.48S-73.76W, h32km, 4km, ML4.9

NEIC 04 05:03:05.6, 0.3, 41.47S-73.70W, mb4.7/17, Error ellipse: s-maj=8.9km s-min=6.8km az=77.0

NEIC FEL [V] at Puerto Montt; [III] at Ancud and Castro; [II] at Osorno

IDC 04 05:03:05.2, 0.7, 41.54S-73.66W, h46km, 4km, mb4.4/11, mb1 4.6/14, mb1mx4/4/19, M3.3/9, M4.1, 3, 8, 9, ms1mx3/6/17, Error ellipse: s-maj=19.6km s-min=17.2km az=145.0

ISC 04 05:03:05.0, 0.3, 41.55S-0.04, 73.70W, 0.08, h44km, h44km, 4km, pp-P, n80, c191772, mb4.7/26, M3.3/8, 6, 3C-8D, Southern Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists station data for Southern Chile region including PMCH, OSCH, VVCH, etc.

PLCA Paso Flores 2.52 72 P P 05 04 45.1 +1.7

PLCA comp=N, 90nm, 0.3s, baz=245, slow=13, SNR=1013 S L R 05 04 19.6 +6.5

PLCA comp=N, 96nm, 0.3s, baz=210, slow=21, SNR=4.4 L R 05 04 54.4

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

PLCA comp=N, 2um, 20.2s, baz=340, slow=44 P P 05 03 45.4 +1.9

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like TXAR, WRA, WRAB, WBS2, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like WRA, WRAB, WBS2, AS12, etc.

Table with columns: GUN, KKN, GKN, PKI, DMN, KOLN, SHL, WMQ, etc. Includes station names and their respective data.

ISK 04 05:25:37.6, 0.49N-26.04E, h9km, MD3.0
NEIC 04 05:25:39.4, 0.41N-26.00E, h34km, MD3.1(ATH), After ATH.

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

Table with columns: GUN, KKN, GKN, PKI, DMN, KOLN, SHL, WMQ, etc. Includes station names and their respective data.

WEL 04 05:53:05.6, 0.3, 45.30Sx167.27E, h66km, 3km, ML3.5/5, Island

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

Table with columns: SMF, SSS, WVF, AVK, EFA, LASF, TCF, LDF, CAF, FLN, etc. Includes station names and their respective data.

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

IDC 04 05:01:20.5, 0.6, 34.12N-89.43E, mb4.2/19, ms1 4.4/22, mb1mx4.3/26, ML3.8/3, MS3.7/8, Ms1 3.7/8, ms1mx3.5/23, Error ellipse: s-maj=30.0km s-min=12.4km az=45.0, LDG 04 05:01:21.0, 0.2, 34.20N-89.10E, h10km, Mb5.0/18, Ms3.4/7, Error ellipse: s-maj=10.8km s-min=4.7km az=110.0, BUJ 04 05:01:23.1, 34.20N-89.36E, h29km, mb4.6, mb4.4, Ms4.3, Ms4.0, NEIC 04 05:01:25.4, 1.9, 34.15N-89.32E, h30km, 14km, mb4.6/7, MS3.8/2, Error ellipse: s-maj=5.0km s-min=5.4km az=61.0, ISC 04 06:01:20.6, 1.6, 34.14N, 0.4-89.05E, h15km, 12km, n78, -067773, mb4.5/34, MS3.8/3, 2D, Xizang

Code Station Name Azimuth Phase ID Time Residual
LSA Lhasa 4.68 160 Op ISC h m s ISC
LSA Lhasa 4.68 160 eSg Sb 06 03 37.9 -0.9



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like INK Inuvik, BRTR Keskin Array B, NEIC 04 07:34:18.6, MOS 04 07:34:20.6, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IDC 04 07:38:52.9, ASAR Alice Springs, CMAR Chiang Mai Arr, etc.

BUJ 04 07:53:13.6, 10.90N-86.40W, h10km
NEIC 04 07:53:13.6, 10.92N-86.38W, h10km, mb4.1/16, Error ellipse: s-maj=16.5km s-min=9.4km az=224.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CASO 04 07:53:13.6, IDC 04 07:53:13.5, IDC 04 07:53:10.4, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WILN Americas 2, JCR Jicaral, COFN Cofrada, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ROSC El Rosal, SDV Santo Domingo, HKT Hooyee, etc.

IDC 04 08:26:59.1, 12.0.64S, 125.08E, mb3.8/5, mb1 4.0/6, mb1mx3.9/16, ML2.3/5/1, Error ellipse: s-maj=102.0km, s-min=19.2km az=68.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IDIC 04 08:27:02.6, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

KRSC 04 08:28:35.3, 0.6.500N x 156.64E, h92km, 15km, ML4.0, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SKR Severo-Kuril's, ALID Alaid, PAU Puzhetka, etc.

THE 04 08:32:20.9, 38.44N-21.60E, h11km, ML2.3
NEIC 04 08:32:21.7, 38.52N-21.55E, h4km, MD2.8/4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like EVR Erytria, RLS Riolos of Patr, LKD Levkas, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IDC 04 08:46:29.0, KMBO Kilima Mbogo, KMBO 30nm, 0.3s, etc.

NAO 04 08:47:09.1, 3.0.59.90N, 25.44E, ML2.3
BER 04 08:47:10.5, 3.6.59.93N, 25.48E, ML2.3(NAO)
HEL 04 08:47:12.6, 0.2.60.13N, 25.26E, ML1.9, ML2.1(UPP), ML2.3(NAO), Explosive

IDC 04 08:47:12.9, 1.6.60.18N, 25.39E, mb1 3.2/2, mb1mx2.9/18, ML2.9/2, Error ellipse: s-maj=17.3km s-min=9.2km az=144.0

IDC 04 08:47:11.2, 0.7.60.18N, 0.05, 25.24E, 0.07, n27, r136/46, Finland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PVAF Pernaia, VJF Virojoki, FIAO FINESS Array S, etc.







Table with columns for call sign, name, frequency, and other parameters. Includes stations like NACHES, MOR8, VLL, TDH, etc.

Table with columns for call sign, name, frequency, and other parameters. Includes stations like SIM, SIMferopol', HVID, HVID, etc.

Table with columns for call sign, name, frequency, and other parameters. Includes stations like MOX, MOX, MOX, MOX, etc.



4d 15h

2004 JUL

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KMI Kunming, GYA Guiyang, CMAR Chiang Mai Arr, etc.

IDC 04 14:54:40.5-1.7, 9.42S-122.08E, mb3.7/1, mb1 3.5/4, mb1mx3.4/14, ML2.9/3, Error ellipse: s-maj=153.0km s-min=26.2km az=58.0, Savu Sea

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

IDC 04 14:58:25.9-9.7, 24.54N-142.18E, mb4.1/4, mb1 3.5/4, mb1mx3.7/21, Error ellipse: s-maj=313.0km s-min=105.8km az=13.0, Volcano Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SONM Songino Array, BVAR Borovoye Array, etc.

NIED 04 15:00:34.80N-139.10E, h145km, Mw4.0 Best double couple: Mo:1.26x10^15 NP1:358, d73, lambda:37. NP2: 6s/100, d55, lambda:159

JMA 04 15:00:07.0-1.0, 34.83N-139.06E, h158km, Mw3.6 JMA Felt J1 Error ellipse: s-maj=18.8km s-min=13.4km az=76.0 IDC 04 15:00:08.0-0.4, 34.86N-139.09E, h163km, Mw3.6 n37, o:085/45, mb3.8/13, Near south coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KTTJ Kamata 2, JIM2 Oshima 3, etc.

NEIC 04 15:00:42.8, 37.14N-9.50W, MN2.6(MDD), After MDD. MDD 04 15:00:43.1-2.2, 37.17N-9.47W, mbLg2.6/7, Error ellipse: s-maj=21.1km s-min=8.4km az=53.0, PRXIMO, Portugal

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

Table with columns: EGRO EI Granado, EGRO EI Granado, EMIN Mina Concepcio, etc. Includes station codes and coordinates.

IGIL 04 15:07:51.8, 36.00N-9.02W, h2km, ML3.6 MDD 04 15:07:53.4-1.1, 36.17N-8.82W, mbLg3.4/23, Error ellipse: s-maj=1.3km s-min=5.6km az=42.0, PRXIMO NEIC 04 15:07:53.6, 36.00N-9.02W, h39km, MN3.4(MDD), After MDD

INMG 04 15:07:54.2-1.2, 36.14N-8.86W, h4km, 15km, ML3.1, Error ellipse: s-maj=1.6km s-min=2.7km az=42.0 LDG 04 15:07:58.4-1.1, 38.09N-10.99W, h25km, Md3.5/1, M3.6/5, Error ellipse: s-maj=24.0km s-min=14.0km az=14.0 ISC 04 15:07:54.7-0.7, 36.37N-9.03E, 8.63W, 0.04, h10km, n71, o:119/129, West of Gibraltar

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PTEO Sao Teotonio, PTEO Sao Teotonio, etc.

Table with columns: PCBR Castelo Branco, PCBR Castelo Branco, ELOJ Sierra Loja, etc. Includes station codes and coordinates.

IDC 04 15:36:47.8-0.9, 22.94S-175.42W, mb4.3/11, mb1 4.6/13, mb1mx4.4/19, ML4.2/22, MS3.8/5, Ms1 3.8/5, sm1mx3.4/22, Error ellipse: s-maj=37.0km s-min=18.4km az=146.0 NEIC 04 15:36:51.0-0.4, 22.94S-175.44W, h25km, mb4.7/7, Error ellipse: s-maj=15.1km s-min=9.9km az=145.0 ISC 04 15:36:51.7-0.5, 23.0S-0.1x175.5W, 0.1, h33km, n40, o:098/29, mb4.4/16, MS3.9/4, 3C-1D, Tonga Islands region

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

Table with columns: CTA, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like Charters Tower, Stephens Creek, Alice Springs, etc.

IDC 04 16:03:30.15.8.5.88S:147.45E, h76km, 78km, mb3.1/3, mb1.3.3/5, mb1mx3.1/14, ML2.9/2, Error ellipse: s-maj=89.2km s-min=32.6km az=114.0

ISC 04 16:03:29.8.2.3.5.93S:0.10.147.6E:0.3, h100km, m8, 0.82/9, mb3.3/3, Eastern New Guinea region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like Port Moresby, WB2 Warramunga Arr, AS12 Alice Springs, etc.

MAN 04 16:09:26.4.8.83N:123.10E, h10km, mb4.4, ML3.3, MS3.2, Mindanao

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like SNPH Sibulan, PAGZ Pagadian, IPIL Ipil, etc.

NEIC 04 16:30:15.6.2.4.5.57S:147.46E, h178km, 30km, mb3.7/2, Error ellipse: s-maj=53.9km s-min=19.4km az=126.0

IDC 04 16:30:17.5.1.5.84S:147.70E, h204km, 77km, mb3.1/4, mb1.3.4/7, mb1mx3.3/15, Error ellipse: s-maj=42.8km s-min=11.9km az=114.0

ISC 04 16:30:13.0.2.0.5.55S:0.2.147.4E:0.3, h163km, 25km, n12, 0.097/16, mb3.5/4, Eastern New Guinea region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like Port Moresby, Charters Tower, WB2 Warramunga Arr, etc.

NEIC 04 16:41:12.6.4.45.18N:6.77E, h0km, ML2.6(GEN), ML2.4(LDG), ML2.1(STR), After GEN.

LDG 04 16:41:13.2.0.1.45.17N:6.70E, h5km, Md2.6/2, Ml2.4/7, Error ellipse: s-maj=4.1km s-min=2.1km az=88.0

STR 04 16:41:13.1.0.4.45.19N:6.80E, h5km, 1km, Ml2.1, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like Cesana Torines, Fenestrelle, La Plagne, etc.

IDC 04 16:45:36.5.0.8.25.95N:141.99E, h187km, 21km, mb3.2/4, mb1.3.4/4, mb1mx3.0/21, Error ellipse: s-maj=165.0km s-min=20.6km az=82.0, Volcano Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like CBIJ Chichi jima, WB2 Warramunga Arr, WRA Warramunga Arr, etc.

WEL 04 17:06:02.7.0.6.45.14S:166.96E, h12km, ML3.9/7, 2D, west coast of South Island

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like DCZ Deep Cove, DCZ DCZ, MLZ Mavora Lakes, etc.

HRVD 04 17:07:15.9.0.1.4.79N:82.59W, h12km, MW5.3/6S, Centroid moment tensor Solution. Lp body waves:

CASC 04 17:07:17.5.1.8.5.03N:82.63W, h10km, MD4.8, ML4.4, mb5.3(NEIC)

IDC 04 17:07:19.5.4.2.4.82N:82.57W, h37km, 35km, mb4.7/21, mb1.4.9/24, mb1mx4.8/27, ML4.5/4, MS4.4/26, Ms1.4.4/26, ms1mx3.3/33, Error ellipse: s-maj=21.4km s-min=10.1km az=59.0

MOS 04 17:07:20.8.0.7.5.34N:82.45W, h33km, mb5.3/8, MS4.6/6, Error ellipse: s-maj=35.6km s-min=19.6km az=62.8

ISC 04 17:07:16.2.0.9.4.98N:0.02.82.6W:0.02, h15km, 5km, h11km, 1.6km, p-P, m533, 0.099/466, mb5.2/160, MS4.5/108, 65C-14D, South of Panama

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like Petroterminal, David, Azuero, Cerro Adams, etc.

IDC 04 17:06:02.7.0.6.45.14S:166.96E, h12km, ML3.9/7, 2D, west coast of South Island

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like CBIJ Chichi jima, WB2 Warramunga Arr, WRA Warramunga Arr, etc.

WEL 04 17:06:02.7.0.6.45.14S:166.96E, h12km, ML3.9/7, 2D, west coast of South Island

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like DCZ Deep Cove, DCZ DCZ, MLZ Mavora Lakes, etc.

HRVD 04 17:07:15.9.0.1.4.79N:82.59W, h12km, MW5.3/6S, Centroid moment tensor Solution. Lp body waves:

CASC 04 17:07:17.5.1.8.5.03N:82.63W, h10km, MD4.8, ML4.4, mb5.3(NEIC)

IDC 04 17:07:19.5.4.2.4.82N:82.57W, h37km, 35km, mb4.7/21, mb1.4.9/24, mb1mx4.8/27, ML4.5/4, MS4.4/26, Ms1.4.4/26, ms1mx3.3/33, Error ellipse: s-maj=21.4km s-min=10.1km az=59.0

MOS 04 17:07:20.8.0.7.5.34N:82.45W, h33km, mb5.3/8, MS4.6/6, Error ellipse: s-maj=35.6km s-min=19.6km az=62.8

ISC 04 17:07:16.2.0.9.4.98N:0.02.82.6W:0.02, h15km, 5km, h11km, 1.6km, p-P, m533, 0.099/466, mb5.2/160, MS4.5/108, 65C-14D, South of Panama



Table with columns: DBIC, Dimbokro, 77.30, 84, P, P, 17 19 11.4 -1.1, etc. Lists various locations and their corresponding numerical values and status indicators.

Table with columns: SURF, Saint Ours, 86.14, 46, eP, P, 17 19 58.6 +0.4, etc. Lists various locations and their corresponding numerical values and status indicators.

Table with columns: OBN, Obninsk, 102.04, 31, eP, Pdf, 17 21 12.1 +0.8, etc. Lists various locations and their corresponding numerical values and status indicators.

CMAR Chiang Mai Arr 156.66 356 PKP PKPdf 17 27 11.2 -3.9
comp=2.2,9nm,0.9s,baz=302,slow=2.4,SNR=12
CMAR comp=2.4,8nm,1.0s,baz=347,slow=5.0,SNR=12

MAN 04 17:09:41.4, 12.99N:123.02E, h1km, mb3.8, ML2.6, MS2.2, Luzon
Code Station Name A° AZ° Phase ID Time Res
AUQP San Andres 0.47 105 eP Pn 17 09.50 -0.5

IDC 04 17:38:11.9, 2.6, 4.17S:129.68E, mb3.4/1, mb1 3.5/3,
m1mx3.3/14, ML2.9/2, Error ellipse: s-maj=183.0km,
s-min=29.5km az=69.0, Banda Sea
Code Station Name A° AZ° Phase ID Time Res

IDC 04 17:46:09.2, 9.2, 15.97N:121.77E, mb4.0/3, mb1 4.4/3,
mb1mx3.6/18, ML5.3/1, Error ellipse: s-maj=61.8km
s-min=29.5km az=33.0
MAN 04 17:46:24.2, 13.81N:119.72E, h30km, mb4.6, ML3.5, MS3.4

ISC 04 17:46:25.6, 1.6, 13.77N:10.07-119.8E, 0.1, h46km, 18km,
n12, e072/18, mb4.3/2, 1C-3D, Philippine Islands region
Code Station Name A° AZ° Phase ID Time Res

OTT 04 17:47:09.5, 0.3, 74.46N:94.25W, h18km, MN3.7, 5, 33km
southeast from Resolute, Nu Boothia Ungava Seismic
Zone, Queen Elizabeth Islands
Code Station Name A° AZ° Phase ID Time Res

RES Resolute Bay 0.28 323 PG Pn 17 47 15.1 -0.7
RES RES 17 47 20.0 -0.1
PINU Pond Inlet 4.94 103 PN Pn 17 48 19.9 -4.8

ACKN Achilles Lake 11.05 219 PN P 17 49 44.2 -5.4
ACKN 17 51 40.8 -13
ACKN 17 52 54.7
ACKN 17 52 59.8

CASC 04 17:47:24.6, 1.9, 13.70N:90.87W, h20km, 5km, MD4.0,
ML3.9
ISC 04 17:47:23.6, 1.4, 13.62N:0.06-90.95W, 0.07, h25km, 11km,
n15, e039/29, 3C-7B, Near coast of Guatemala
Code Station Name A° AZ° Phase ID Time Res

SNJE eS Sn 17 48 03.3 -0.5
BOQS Boqueron 1.63 86f eP Pn 17 47 51.0 0.0
BOQS 17 48 10.5 -0.9
MTOZ Montecristo 2 1.73 63f eP Pn 17 47 52.1 -0.4

MAN 04 17:57:11.8, 19.20N:122.24E, h20km, mb4.8, ML3.7,
MS3.7
IDC 04 17:57:14.9, 2.9, 19.12N:122.42E, h50km, 27km, mb3.7/13,
mb1 3.9/14, m1mx3.8/23, ML4.1/2, MS3.5/4, Ms1 3.5/4,
m1mx3.0/35, Error ellipse: s-maj=27.0km s-min=13.1km
az=69.0

NEIC 04 17:57:15.4, 1.1, 19.16N:122.45E, h55km, 10km, mb4.0/2,
Error ellipse: s-maj=12.4km s-min=7.5km az=81.0
ISC 04 17:57:12.0, 0.6, 19.20N:122.40E, 0.05, h39km, 6km,
n50, e114/63, mb3.9/14, MS3.7/2, 3C-3D, Philippine
Islands region

SGOP Mt. Cagua 1.01 199 eP Pn 17 57 51.5 -1.6
BBP Basco 1.30 342 eP S 17 57 33.6 -0.2
BBP 17 57 48.6 -1.8
CVP Callao Caves 1.59 200 fP Pn 17 57 38.0 -0.1

GQP Guinayangan 5.27 179 eP P 17 58 30.8 +0.5
GQP 17 59 27.5 -3.0
BOAC 5.74 185 eP S 17 59 37.7 +0.9
BOAC 17 59 43.7 +1.3

LSA Lhasa 30.22 296 eP P 18 03 23.2 +2.0
SONM Songoing Array 31.39 339 P P 18 03 31.4 0.0
FITZ Fitzroy Crossi 37.21 175 eP P 18 04 21.3 -0.3

BRV Borovoye 52.34 323 eP P 18 06 21.6 -0.4
CHKZ Chkalovo 52.37 324 eP P 18 06 21.9 -0.3
STKA Stephens Creek 54.02 160 eP P 18 06 33.8 -1.0

JMA 04 18:05:30.1, 0.2, 33.27N:138.21E, h355km, M3.0
NEIC 04 18:05:33.5, 1.0, 33.46N:138.29E, h330km, 20km, Error
ellipse: s-maj=70.6km s-min=16.3km az=68.0
ISC 04 18:05:34.7, 0.8, 33.40N:138.10E, h355km, 18km, mb3.0/6,
mb1 3.1/6, mb1mx2.9/23, Error ellipse: s-maj=58.4km
s-min=16.2km az=68.0
ISC 04 18:05:32.7, 0.6, 33.44N:138.14E, 0.09, h336km, 5km,
n23, e080/30, mb3.1/6, Southeast of Honshu
Code Station Name A° AZ° Phase ID Time Res

JWT Wachi 2.92 310 P P 18 06 30.3 -0.3
MAJO Matsushiro 3.10 1 ePn P 18 06 32.0 -0.2
MAT Matushiro 3.10 1 P P 18 06 32.1 -0.1
MAT 18 07 19.0 +0.1
MAT Matushiro 3.10 1 eP P 18 06 32.0 -0.2

WEL 04 18:35:11.5, 0.6, 36.97S:179.91E, h33km, ML3.5/2, Error
ellipse: s-maj=9.0km s-min=7.2km az=0.0, Off east
coast of North Island
Code Station Name A° AZ° Phase ID Time Res

GUC 04 18:58:23.1, 0.7, 31.40S:67.51W, h150km, ML5.1
NEIC 04 18:58:26.6, 0.6, 31.42S:67.62W, h36km, 6km, mb3.9/2,
Error ellipse: s-maj=7.5km s-min=5.8km az=101.0
ISC 04 18:58:26.0, 4.6, 31.47S:67.64W, h32km, 34km, mb4.0/10,
mb1 4.1/14, m1mx4.1/18, ML4.2/4, MS3.0/4, Ms1 3.0/4,
m1mx2.9/21, Error ellipse: s-maj=23.8km s-min=15.2km
az=90.0

JACH Jahuel 2.93 243 fP P 18 59 10.1 +0.3
JACH 18 59 45.9 +1.7
CMCH Combarbala 3.02 273 fP P 18 59 47.1 +0.5

ROCH El Roble 3.38 241 eP P 18 59 15.2 -0.8
PCH Pirque 3.39 228 eP P 18 59 16.1 -0.1
ANTU Antumapu 3.43 230 eP P 18 59 16.7 -0.2

PLCA Paso Flores 9.64 194 Pn P 19 00 42.5 -1.4
PLCA 19 03 23.2
PLCA 19 04 45.6
PLCA 19 05 33.0 +1.0

USHA Ushuaia 23.43 181 P P 19 03 30.0 -1.2
BDFB Brasilia 23.70 53 P P 19 03 35.2 +0.9
BDFB 19 14 51.6
VNA3 Neumayer Olymp 50.37 159 fP P 19 07 22.6 +2.7





2004 JUL

4d 21h

Table with columns: CMAR, Chiang Mai Arr, 31.96 118 P, 20 07 23.6 -0.5, etc.

GRAL 04 20:10:24.2-4.1, 37.57N-36.08E, h0km, 999km, MD4.2, etc.

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

IDD 04 20:25:22.6-0.7, 14.07N-145.44E, mb3.9/9, mb1 4/1.9, etc.

Table with columns: GUMO, Guam, 0.54 236, 20 25 53.7 +0.5, etc.

Table with columns: ILAR, Eielson Array, 68.10 25 P, 20 26 23.4 -0.7, etc.

IDD 04 20:27:21.6-1.3, 25.96N-100.54E, mb3.3/4, mb1 3.5/4, etc.

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

MDD 04 20:29:04.8-0.7, 41.84N-127.78E, h1km, mblg1.8/10, Error ellipse: s-maj=5.7km s-min=2.7km az=126.0, etc.

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

IDD 04 20:34:12.7-1.2, 25.98N-100.89E, mb3.6/4, mb1 3.8/4, etc.

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

IDD 04 20:41:2.1-5.0, 20.52S-102.54E, mb4.0/9, mb1 4/1.9, etc.

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

JMA 04 20:57:59.6-0.2, 34.18N-136.55E, h372km, 2km, M3.2, etc.

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

IDD 04 21:17:57.9-0.8, 24.51N-126.97E, mb3.8/13, mb1 4.0/15, etc.

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



Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MKAR, KURK, SDN, etc.

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MIB, RDF, NAY, etc.

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like ILM, ILM, MCNL, etc.

PGC 04 23:17:18.0, 54.96N-134.66W, h20km, ML4/78, Northwest of Graham Island, British Columbia...

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NDB, NDB, NDB, etc.

Table with columns: Name, Date, Time, Location, and other details. Includes entries like HOLB, PCA, FSB, PHC, WRG, etc.

Table with columns: Name, Date, Time, Location, and other details. Includes entries like SVW, BENA, YKA, YKA, YKA, etc.

Table with columns: Name, Date, Time, Location, and other details. Includes entries like SEY, SEY, SEY, SEY, SEY, etc.

5d 1h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KHC Kasperske Hory, NJ2 Nanjing, GERES GERESS Array B, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TPX Tapachula, San Cristobal, Matias Romero, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like URZ Urewera, STKA Stephens Creek, WBA Warramunga Arr, etc.

2004 JUL

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KAKA Kakadu, FITZ Fitzroy Crossi, JMA 04 23:42:18.3, etc.

IDC 05:00:40.0:0.0, 7.39Sx117.54E, h304km, 119km, mb2.9/4, mb1 3.1/5, mb1mx3.0/16, Error ellipse: s-maj=117.0km s-min=30.7km az=56.0

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

NEIC 05:00:41:23.4:1.0, 15.63Sx71.79W, h152km, 14km, mb3.7/2, Error ellipse: s-maj=27.7km s-min=12.2km az=218.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like LPAZ La Paz, LPAZ Limon Verde, LPAZ Villa Florida, etc.

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

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

100

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PTEO Sao Teotonio, EMIN Mina Concepcio, PTOM Tomar, etc.

NIED 05:01:14:00, 44.00N, 148.10E, h59km, Mw3.7, Best double couple: M4.13x10^14 NP1.2x245, 868, lambda=130, NP2: 6x130, 845, lambda=33

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

IDC 05:01:22:13.5:8.9, 12.48Sx167.02E, h221km, 80km, mb3.6/10, mb1 3.9/10, mb1mx3.8/15, Error ellipse: s-maj=32.6km s-min=27.4km az=76.0

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

IDC 05:00:41:22.6:1.1, 15.66Sx0.09N, 71.78W, 0.09, h153km, 14km, n11, 0.097E/14, mb3.7/2, 3D, Southern Peru Yellowknife Ar 84.81 342 P

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GRR Gorron, SSF Saint Salses, LPGA La Plage, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like LMR La Moure, RJF Les Rejaudoux, CAF Calviac, etc.

ILAR Eielson Array 57.52 29 P P 01 39 53.0 0.0
FINES FINES Array B 77.50 334 P P 01 41 58.3 +0.1

IDC 05 01:34:03.2:30.0, 16.49S:-175.81W, mb4.1/4, mb1 4.3/4,
mb1mx3.9/16, Error ellipse: s-maj=578.0km
s-min=153.8km az=84.0, Tonga Islands

NEIC 05 01:35:00.0, 36.91N:-27.72E, h28km, MD3.1 (ATH), After
ATH.
ATH 05 01:35:00.0, 36.90N:-27.72E, h29km, 3km, MD3.1/4

Code Station Name Az AZZ Phase ID Time Res
BDRM Kayabasi 0.26 315 iP ISC 01 35 05.6 +1.0

IDC 05 01:39:47.4:4.8, 0.48S:-147.33E, mb3.8/4, mb1 4.1/4,
mb1mx3.7/14, 1D, Error ellipse: s-maj=104.0km
s-min=36.6km az=82.0, Admiralty Islands region

IDC 05 01:47:28.3:1.6, 8.16S:-123.28E, mb3.4/1, mb1 3.6/4,
mb1mx3.5/14, ML3.3/4/3, Error ellipse: s-maj=138.0km
s-min=25.7km az=62.0

NEIC 05 02:22:00.0, 45.30N:150.10E, h50km, Mw4.1 Best double
couple: Mo1.48x10^15 NP1a231°, d75°, l-130°. NP2:
o=123°, d43°, l-23°

Code Station Name Az AZZ Phase ID Time Res
FITZ Fitzroy Crossi 9.98 167 eP ISC 01 49 56.0 +0.6

Code Station Name Az AZZ Phase ID Time Res
YUK Yuzh-Kuril'sk 3.24 247 eP ISC 02 23 20.9 -1.4

Code Station Name Az AZZ Phase ID Time Res
ILAR Eielson Array 38.97 37 P P 02 29 53.0 +0.1

MKAR Makanchi Array 45.64 297 P P 02 30 47.9 +0.6
MKAR comp=2.0, 7nm, 0.8s, mb3.5, baz=75, slow=2.2, SNR=4.9

Code Station Name Az AZZ Phase ID Time Res
PLCA Paso Flores 152.26 96 PKPbC PKPdf 02 42 16.9 +7.2

IDC 05 02:23:15.8:12.0, 6.47S:-130.08E, h108km, 114km,
mb3.5/2, mb1 3.5/5, MB3.3/12, ML3.3/3, Error ellipse:
s-maj=119.0km s-min=37.7km az=53.0

Code Station Name Az AZZ Phase ID Time Res
KAKA Kakadu 6.36 157 eP ISC 02 24 54.7 +1.0

CASC 05 02:35:06.1:1.4, 11.82N:87.41W, h36km, 4km, MD3.7,
ML3.2

Code Station Name Az AZZ Phase ID Time Res
PYN Peneloya 0.69 34 iP P 02 35 19.4 +0.3

Code Station Name Az AZZ Phase ID Time Res
WILN Americas 2 1.25 74 eS P 02 35 27.4 +0.4

Code Station Name Az AZZ Phase ID Time Res
JOW Kunigami 9.63 39 P P 03 01 48.8 +3.4

CMAR Chiang Mai Arr 21.30 271 P P 03 04 09.3 -1.9
CMAR comp=2.0, 3s, baz=255, slow=12, SNR=4.6

DJA 05 03:15:09.9:0.9, 8.91S:-114.25E, h336km, 8km, MD4.9/3,
ML3.6/3, 2C-1D, Error ellipse: s-maj=70.3km
s-min=25.9km az=13.0, Bali region

Code Station Name Az AZZ Phase ID Time Res
KELI Kelatagan 0.73 191 eP ISC 03 15 53.7 +0.3

NEIC 05 03:29:17.9:0.5, 2.204S:-174.72W, mb4.6/6, Error ellipse:
s-maj=15.5km s-min=12.6km az=123.0

Code Station Name Az AZZ Phase ID Time Res
RAR Rarotonga 13.99 89 P P 03 32 19.0 -1.5

Code Station Name Az AZZ Phase ID Time Res
VNA2 Neumayer-Watz 86.83 175 iP P 03 41 57.9 +1.2

Code Station Name Az AZZ Phase ID Time Res
CMAR Chiang Mai Arr 93.46 288 P P 03 42 30.3 +1.9

Code Station Name Az AZZ Phase ID Time Res
AKMC Akamas 0.95 157 P P 03 46 07.1 +0.5

Code Station Name Az AZZ Phase ID Time Res
ALFC Alevga 0.91 141 iP P 03 46 06.5 -0.1

Table with columns: SZAC, CSS, CSS, CSS, IKL, IKL, PHNC, KONT, ISP, KIZT, YER, CEYT, HTAY, ESKT. Includes station names, coordinates, and various codes.

IDC 05 03:55:28.6:2.2, 42.54Sx120.28E, mb3.8/4, mb1 4.1/6, mb1mx3.8/13, ML3.6/1, Error ellipse: s-maj=44.3km

NEIC 05 03:55:31.2:0.5, 42.54Sx120.22E, h10km, Error ellipse: s-maj=17.6km s-min=8.7km az=106.0

ISC 05 03:55:29.0:0.7, 42.40S, 0.09-120.2E, 0.2, h10km, n14, c=078/12, mb3.8/4, 1C-2D, South of Australia

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, h m s ISC. Lists stations like Narrogin (SRO), Fitzroy Crossi, Stephens Creek, etc.

NEIC 05 04:29:47.1, 32.01S:68.99W, h1km, ML3.2(GUC), After GUC

GUC 05 04:29:47.1, 32.01S:68.99W, h1km, ML3.2(GUC), After GUC

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, h m s ISC. Lists stations like Jahuel, Petorca, Farellones, Cerro Calan, Combarbala, etc.

MAN 05 04:33:51.1, 14.90N:120.23E, h17km, mb4.0, ML2.8, MS2.5, 1C-2D, Luzon

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, h m s ISC. Lists stations like Santa Cruz, Tagaytay City, Palayan, etc.

MEX 05 04:35:05.3:1.1, 16.02N:97.49W, h16km, 21km, MD3.6, Oaxaca

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, h m s ISC. Lists stations like Pinotepa, Vista Hermosa, Oaxaca, etc.

KRSC 05 04:43:59.3, 54.90N:162.27E, h31km, ML3.9, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, h m s ISC. Lists stations like Muz, Tumrok, Krutoberegovo, etc.

Table with columns: SPN, ESO, ESO, NLC, NLC, SDDL, SDDL, SDR, SDR, SMAR, SMAR, AVH, AVH, KOK, KOK, KOK, GNL, GNL, RUS, RUS, GRL, GRL. Includes station names and coordinates.

IDC 05 05:18:52.1:1.6, 5.88S:103.71E, h31km, 5km, mb3.6/8, mb1 3.8/8, mb1mx3.6/16, Error ellipse: s-maj=68.2km

ISC 05 05:18:50.3:1.3, 5.85S, 0.3, 103.9E, 0.3, h31km, h31km, 4km: p-P, n10, c=088/9, mb3.7/8, Southern Sumatara

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, h m s ISC. Lists stations like Fitzroy Crossi, Chiang Mai Arr, Warramunga Arr, etc.

IDC 05 05:25:26.2:1.1, 4.73N:126.58E, mb3.6/3, mb1 3.8/3, mb1mx3.5/17, Error ellipse: s-maj=156.0km s-min=26.4km az=60.0

ISC 05 05:25:27.6:2.1, 5.2N, 0.3, 127.5E, 0.8, h33km, n5, c=070/5, mb3.5/4, Philippine Islands region

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, h m s ISC. Lists stations like Fitzroy Crossi, Warramunga Arr, Warramunga Arr, etc.

IDC 05 05:32:56.2:1.0, 23.08S:179.69E, h613km, 148km, mb3.2/6, mb1 3.4/6, mb1mx3.2/16, Error ellipse: s-maj=98km s-min=54.8km az=161.0

ISC 05 05:32:57.4:1.7, 23.45S, 0.8, 179.6E, 0.3, h650km, n9, c=034/9, mb3.8/6, 2D, South of Fiji Islands

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, h m s ISC. Lists stations like Charters Tower, Warramunga Arr, Stephens Creek, etc.

CASC 05 05:41:13.2:1.1, 10.71N:87.23W, h5km, 15km, MD3.5, ML2.9, 1C-1D, Off coast of Costa Rica

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, h m s ISC. Lists stations like Copaltepe, La Cruz, Poneloya, etc.

NEIC 05 05:42:08.8:0.4, 42.20N:120.27W, h5km, ML3.2, Error ellipse: s-maj=5.7km s-min=5.1km az=169.0

NEIC 05 05:42:13.3:2.2, 42.02N:120.47W, h27km, 17km, mb3.1/1, mb1 3.3/3, mb1mx3.1/20, ML3.0/2, MS2.6/1, Ms1 2.6/1, ms1mx2.2/10, Error ellipse: s-maj=20.7km s-min=6.3km az=22.0

ISC 05 05:42:10.0:0.3, 42.09N, 0.03, 120.28W, 0.4, h5km, n48, c=138/51, mb2.8/1, 3C, Oregon

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, h m s ISC. Lists stations like Modoc, Hamaker Mounta, Wild Horse Val, etc.

Table with columns: PAHR, KRSB, WCN, EUG, BMM, KHMM, KBO, KEBM, SKOR, COR, NVAR, NVAR, MNV, HAW, HILD, OMM, TPH, MTUM, BDU, HVU, SPUT, DUG, MCMT, HWC, NEW, NEW. Includes station names and coordinates.

Table with columns: NEW, NEW, NEW, DAI, REDW, MVU, PSU, PDAR, BBB, ILAR. Includes station names and coordinates.

NEIC 05 05:48:28.3, 31.87S:69.83W, h139km, MD3.5(GUC), After GUC

GUC 05 05:48:28.3, 31.87S:69.83W, h139km, 6km, MD3.5, ML3.4, 4C-2D, San Juan Province

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, h m s ISC. Lists stations like Petorca, Jahuel, Illapel, Combarbala, Peldehue, etc.

NEIC 05 06:18:45.1, 32.53S:71.32W, h49km, MD3.6(GUC), After GUC

GUC 05 06:18:45.1, 32.53S:71.32W, h49km, 4km, MD3.6, ML2.4, 2C-3D, Near coast of central Chile

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, h m s ISC. Lists stations like Papudo, Penalolen, Antumapu, etc.

IDC 05 06:41:37.8:2.6, 42.75S:18.38W, mb4.0/4, mb1 4.2/4, mb1mx4.0/11, MS3.6/3, Ms1 3.5/3, ms1mx3.2/12, Error ellipse: s-maj=75.0km s-min=29.8km az=55.0

NEIC 05 06:41:38.6:1.5, 42.61S:18.35W, h10km, mb3.7/3, Error ellipse: s-maj=45.1km s-min=14.2km az=52.0

ISC 05 06:41:38.6:1.5, 42.85S:0.3, 18.7W, 0.4, h10km, n14, c=078/12, mb3.8/4, 1C-2D, South of Australia



Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like VNA1 Neumayer-Stat, VNA2 Neumayer-Watz, VNA3 Neumayer Olymp, etc.

TIR 05 06:45:12.7, 41.49N; 19.94E, h12km, M12.5
PDG 05 06:45:18.9, 0.2, 41.67N; 19.69E, h9km, 1km
ISC 05 06:45:13.2, 0.8, 41.50N; 0.04, 19.84E; 0.04, h14km, 5km, n15, f102/29, 1C-2D, Albania

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like QSH Qafae Shtames, QSH Qafae Shtames, TIR Tirane, etc.

IDC 05 07:09:20.1, 3.5, 36.17S; 100.73W, mb3.7/4, mb1.4/0.4, mb1mx3.8/15, MS3.6/5, M1, 3.6/5, ms1mx3.4/14, Error ellipse: s-maj=106.0km, s-min=34.5km az=34.0
ISC 05 07:09:20.8, 2.7, 36.1S; 0.5, 100.7W; 0.4, h10km, n7, f125/4, mb3.6/4, MS3.5/5, Southeast of Easter Island

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

INMG 05 07:16:28.6, 1.2, 42.24N; 8.35W, h13km, 4km, ML2.5, Error ellipse: s-maj=2.6km s-min=2.0km az=98.0
MDD 05 07:16:28.7, 0.3, 42.26N; 8.37W, h18km, 4km, mbLg2.5/15, Error ellipse: s-maj=2.7km s-min=1.8km az=34.0, PXPXIMO
NEIC 05 07:16:28.7, 42.26N; 8.37W, h19km, MN2.5(MDD), After MDD.

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

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

THE 05 07:24:40.0, 39.13N; 23.76E, h12km, ML2.8
ATH 05 07:24:40.6, 39.17N; 23.63E, h32km, 4km, MD2.8/3
ISC 05 07:24:38.0, 8.39, 09.0N; 0.05, 23.76E; 0.06, h14km, 4km, n11, f055/18, Aegean Sea

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

IDC 05 07:25:59.0, 8.5, 33S; 122.50E, mb4.2/8, mb1.4/3.1/0, mb1mx4.2/18, ML3.9/2, MS3.8/11, M1, 3.8/11, ms1mx3.6/28, Error ellipse: s-maj=44.6km s-min=15.6km az=56.0
HRVD 05 07:26:00.7, 0.7, 5.06S; 122.70E, h18km, 2km, MWA 8/33, Centroid moment Tensor Solution. LP body waves: s6; e6; Mantle waves: s33, c48; Half duration: 0.0, Moment tensor: Scale 1016Nm; M1: 9.7; 32; M2: 0.56; 16; M3: 1.4; 21; M4: 0.22; 50; M5: 0.83; 09; M6: 0.28; 49; Best double couple: M1: 98x10^16 NP1: 30; 84; 0; A88; NP2: 21; 3; 35; 0; A91; Principal axes: T2, Plg85; Azm134; N-06, Plg1; Azm32; P-1.95, Plg5; Azm302; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

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

NEIC 05 07:26:00.7, 0.3, 5.38S; 122.43E, h10km, mb4.9/7 Error ellipse: s-maj=20.9km s-min=6.1km az=54.0
ISC 05 07:26:01.9, 0.4, 5.45S; 0.1, 122.5E; 0.1, h33km, n33, f18/26, mb4.6/15, MS3.8/9, Sulawesi

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, AS12 Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MKAR comp=2.56nm, 21.9s, MS3.7, baze=147, slow=37, KURK Kurchatov, etc.

IDC 05 07:43:49.3, 1.0, 32.03N; 137.99E, h356km, 5km, mb3.1/8, mb1.3/2.3, mb1mx3.1/24, Error ellipse: s-maj=22.9km s-min=16.6km az=51.0

JMA 05 07:43:51.6, 0.3, 32.50N; 138.14E, h357km, M3.5
NEIC 05 07:43:51.8, 4.6, 32.64N; 137.94E, h370km, 21km, Error ellipse: s-maj=83.5km s-min=18.1km az=0.1, h363km, 5km, n24, f122/29, mb3.3/8, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like JHJ Hachioji jima, JHJ Hachioji jima, JHJ2 Mitsune, etc.

IDC 05 07:47:10.0, 1.8, 6.00S; 130.75E, mb3.8/3, mb1.4/2.6, mb1mx4.0/13, ML4.2/3, Error ellipse: s-maj=68.2km s-min=24.0km az=77.0

NEIC 05 07:47:14.2, 1.1, 6.03S; 130.48E, h20km, Error ellipse: s-maj=39.7km s-min=11.6km az=74.0
ISC 05 07:47:23.0, 1.9, 6.53S; 0.08, 130.6E; 0.1, h150km, 21km, n10, f082/17, mb3.6/3, 1C-1D, Banda Sea

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

IDC 05 07:47:50.1, 5.5, 5.54S; 147.23E, h224km, 61km, mb3.1/2, mb1.3/3.4, mb1mx3.1/13, Error ellipse: s-maj=109.0km s-min=27.2km az=131.0

ISC 05 07:49:11.5, 5.55S; 0.1, 147.1E; 0.3, h224km, n4, f123/5, mb3.4/2, Eastern New Guinea region

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

NNC 05 07:50:59.1, 6.2, 38.06N; 72.41E, h268km, 106km, mpv3.6, Error ellipse: s-maj=268.5km s-min=56.6km az=62.0
ISC 05 07:50:54.6, 4.0, 37.5N; 0.3, 71.8E; 0.4, h193km, 52km, n7, f036/9, 1C, Afghanistan-Tajikistan border region



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like La Foliniere, La Druitiere, Gorrion, Signal de Mont, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LDF, CABB, LOR, GRR, SSF, SGMF, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MEX 05:08:07:42.1, 1.4, 21.77N-99.95W, etc.

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

NIED 05:09:22:07.37.90N:141.90E, h41km, Mw4.7 Best double couple: Mo:1.06x10^16 NP1:24°, 872°, 9.0°. NP2:24°, 818°, 9.0°. BUJ 05:09:22:45.6, 37.72N:141.99E, h61km, mb4.9, mb4.8, Ms4.5, Ms4.3. JMA 05:09:22:47.0-0.1, 37.91N:141.87E, h42km±1km, M4.7. IDC 05:09:22:47.6, 0.5, 37.92N:141.83E, h41km±4km, mb4.2/15, mb1.4/24, mb1mx4.4/27, ML3.9/4, MS3.8/15, Ms1.3.8/15, ms1mx3.6/29, Error ellipse: s-maj=14.7km s-min=8.3km az=106.0. NEIC 05:09:22:47.6, 0.2, 37.94N:141.87E, mb4.7/47, MW4.7(NIED), Error ellipse: s-maj=5.4km s-min=4.0km az=146.0. NEIC Recorded [2 JMA] in Fukushima and Miyagi; [1 JMA] in Iwate Prefectures. MOS 05:09:22:48.2, 0.8, 38.27N:141.64E, h42km, mb5.2/15, Error ellipse: s-maj=15.3km s-min=7.3km az=103.9. ISC 05:09:22:46.6, 0.5, 37.91N:141.87E, h42km±3km, h42km±8km; pP, n197, <0.98/215, mb4.7/81, MS3.9/23, 15C-17D, Near east coast of eastern Honshu

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WBA, WBA, WBA, WRA, AS12, etc.

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TOO, WB2, WB2, WB2, WRA, etc.

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

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

HEL 05:09:06:06.3, 0.1, 59.23N:27.81E, ML1.4, ML2.0(NAO), Explosion NAO 05:09:06:09.6, 3.6, 59.43N:27.57E, ML2.0 BER 05:09:06:10.9, 2.2, 59.45N:27.66E, ML2.0(NAO), Suspected explosion ISC 05:09:06:04.3, 1.2, 59.22N:0.40, 27.8E, 0.2, n9, 0.945/10, Baltic States - Belarus - Northwestern Russia





5d 13h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like NNS, BVAR, BVAR, KIV, KURK, TLY, etc.

2004 JUL

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC.

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC.

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

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

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PBA, CM31, CMAR, VIS, MDRS, etc.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Table with columns: UCH, Uchtor, SNR, 3.81 35 P, Pn, 16 18 18.2 +0.4, etc. Lists various stations and their parameters.

Table with columns: WRA, 0.3nm, 0.3s, baz=16, slow=13, SNR=16, etc. Lists stations and their parameters.

Table with columns: ANCK, Angle Creek, 2.16 218 P, S, 18 26 42.6 0.0, etc. Lists stations and their parameters.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Lists station codes and names.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Lists station codes and names.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Lists station codes and names.

ICD 05 16:55:37.7, 1.2, 3.36S, 178.89W, h494km, g1km, mb3.1/5, mb1 3.3/5, mb1mx3.0/17, Error ellipse: s-maj=52.1km, s-min=30.6km, az=9.0

ICD 05 18:21:01.6, 1.1, 2.11N: 122.28E, mb3.6/3, mb1 3.8/3, mb1mx3.4/19, Error ellipse: s-maj=23.3km, s-min=15.1km, az=178.0

JMA 05 18:27:13.6: 0.2, 44.66N: 144.45E, h244km, M2.7, ICD 05 18:27:13.2: 3.3, 44.5N: 0.1, 144.5E: 0.2, h247km, 23km, n13, 05/47/17, Hokkaido region

ICD 05 17:46:06.7: 1.2, 3.36S, 100.74E, mb4.1/10, mb1 4.2/10, mb1mx4.0/17, M53.3/2, M1 3.4/2, ms1mx2.9/19, Error ellipse: s-maj=59.2km, s-min=14.8km, az=53.0

ICD 05 18:26:08.2, 59.91N: 153.09W, h126km, After AIC, ICD 05 18:26:09.5: 5.6, 60.30N: 153.40W, h123km, 5.0km, mb3.6/4, mb1 3.7/8, mb1mx3.4/23, Error ellipse: s-maj=44.1km, s-min=29.1km, az=36.0

ICD 05 18:26:06.1: 0.3, 59.93N: 0.02, 153.01W: 0.05, h134km, 2km, n85, 05/86/123, mb3.8/4, Southern Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Lists station codes and names.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Lists station codes and names.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Lists station codes and names.





5d 22h

Table with columns: RATI, INGI, Ingas, 1.83 2831, ePn, S, P, 20 57 40.2, -1.2, 20 57 26.4, -0.5, 20 57 46.7, -2.5

NEIC 05 21:06:50.7, 0.5, 19.22N-145.59E, h155km, mb4.0/5, Error ellipse: s-maj=16.7km s-min=10.3km az=95.0
IDC 05 21:06:52.8, 1.0, 19.20N-145.58E, h174km, 104km, mb3.5/9, mb1.3, 7.09, mb1mx3.5/2.1, Error ellipse: s-maj=27.5km s-min=17.8km az=87.0
ISC 05 21:06:46.4, 5.3, 19.26N, 0.09, 145.6E, 0.2, h129km, 49km, n21, c0591/21, mb3.8/13, Mariana Islands

Main table for station data, columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC, Res, h, m, s, ISC

BUJ 05 21:45:57.3, 3.4, 14N-89.21E, h4km, mb4.8, mb4.5, Ms4.2, Msz4.0
LDG 05 21:45:59.4, 0.2, 34.28N-88.96E, h10km, Mb4.6/17, Ms3.4/6, Error ellipse: s-maj=7.7km s-min=3.6km az=105.0
IDC 05 21:45:59.5, 0.7, 34.16N-89.25E, mb4.0/11, mb1.4/2.14, mb1mx4.1/2.0, ML2.9/2, MS3.5/3, Ms1.3.5/3, ms1mx3.1/2.4, Error ellipse: s-maj=30.4km s-min=15.2km az=48.0
NEIC 05 21:46:01.3, 0.3, 34.31N-89.21E, h10km, mb4.5/19, Error ellipse: s-maj=6.6km s-min=7.7km az=75.0
ISC 05 21:45:59.1, 0.3, 34.24N, 0.04, 89.19E, 0.05, h10km, n68, c110/67, mb4.3/31, MS3.7/4, 3C, Xizang

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

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

2004 JUL

Table with columns: CN2, eXP, sP, 21 52 11.0, +0.9, 21 56 54.7, -4.6, comp=Z, 1.0nm, 0.5s, mb4.8, AMB, AMB, comp=Z, 2.00nm, 1.0s, MS4.3, LR, LR, comp=E, 400nm, 11.0s, MS4.3, LR, LR, comp=Z, 4.00nm, 12.0s, MS4.3, LR, LR, ARU, Arti, 4.2nm, 1.0s, mb4.2, eP, P, 21 52 14.0, +0.7, MDJ, Mudanjiang, 32.59 59, P, AMB, AMB, 21 52 28.8, -3.8, MDJ, comp=Z, 1.2nm, 2.3s, mb4.4, AMB, AMB, MDJ, comp=Z, 3.53nm, 4.4s, LR, LR, MDJ, comp=N, 85nm, 23.0s, MS4.3, LR, LR, comp=E, 1.4nm, 23.0s, MS4.3, LR, LR, BRTR, Keskin Array B, 44.12 294, P, 21 54 10.8, +1.6, AKASO, Main Array B, 45.90 310, P, 21 54 23.8, +0.4, FINES, FINESS Array B, 47.84 325, P, 21 54 39.2, +0.7, ARCER, ARCESS Array B, 49.20 335, LR, 21 57 27.1, NB2, NORSAR Subarra, 55.02 324, P, 21 55 32.5, -0.2, NO3, NORSAR Array B, 55.02 324, P, 21 55 32.9, +0.2, GERES, GERESS Array B, 56.11 310, P, 21 55 41.8, +1.0, CDF, Champ du Feu, 60.31 311, eP, 21 56 09.3, -0.8, PGF, Pioggia, 61.21 304, eP, 21 56 15.6, -0.7, BAI, Sanae, 61.65 313, eP, 21 56 18.8, -0.4, LPL, La Plagne, 61.66 308, eP, 21 56 19.2, -0.1, CABLE, La Chapelle, 61.69 309, eP, 21 56 19.4, +0.1, SBF, Sospel, 61.80 306, eP, 21 56 19.7, -0.6, MBDF, Montbardon, 61.92 307, P, 21 56 21.0, -0.1, FRF, La Foret Royal, 62.44 306, eP, 21 56 23.4, -1.2, ORIF, Oris-en-Rattie, 62.44 307, eP, 21 56 24.1, -0.5, SMF, Signal de Mont, 63.12 310, eP, 21 56 27.9, -1.1, SSF, Saint Julien, 63.17 310, eP, 21 56 28.1, -1.2, VWF, VWF, 63.17 310, eP, 21 56 28.4, -0.6, AVF, Avril sur Loir, 63.37 310, eP, 21 56 29.8, -0.9, LASF, Ste Croix, 64.10 307, eP, 21 56 35.6, +0.1, TCF, Toulx Ste Croix, 64.29 310, eP, 21 56 36.2, -0.5, LDF, La Druitiere, 64.83 313, eP, 21 56 38.9, -1.2, CAF, Calvac, 64.94 308, eP, 21 56 40.5, -0.4, RJJ, Les Rejaudoux, 65.19 307, eP, 21 56 41.9, -0.3, GRR, Gorron, 67.86 313, eP, 21 56 42.6, -0.9, LFF, La Frestaie, 65.79 309, eP, 21 56 46.1, -0.2, ETSF, Etsaut, 67.51 307, eP, 21 56 56.7, -0.7, WRA, Warramunga Arr, 68.91 134, P, 21 57 06.7, +0.3, ESDC, Sonseca Array, 71.28 306, P, 21 57 21.0, +0.4, ASAR, Alice Springs, 71.56 137, P, 21 57 21.3, -1.2, COLA, College, 71.70 22, eP, 21 57 23.0, +0.3, ILAR, Eielson Array, 72.07 22, P, 21 57 24.5, -0.4, INK, Inuvik, 72.93 15, eP, 21 57 30.2, +0.4, PMR, Palmer, 73.51 25, eP, 21 57 32.0, -1.3, SKA, Sawmill, 73.64 25, eP, 21 57 34.8, +0.8, STKA, Stephens Creek, 62.20 137, P, 21 58 22.6, +0.9, OSCH, Schefferville, 88.92 346, eP, 21 58 53.8, -0.7, GSHA, South Pole, 124.02 180, eP, PKPpdf, 22 04 57.6, -2.3, VNA2, Neumayer-Watz, 124.07 203, PKPpdf, 22 05 00.1, -0.1, VNA1, Neumayer-Stat, 124.32 203, PKPpdf, 22 05 01.4, +0.7, VNA3, Neumayer Olymp, 124.83 203, PKPpdf, 22 05 01.3, -0.2, CPUP, Villa Florida, 150.14 276, PKPpdf, 22 05 51.1, +2.9

RSPR 05 22:08:43.7, 19.67N-64.45W, h61km, 15km, MD3.8/7, MD3.8/7, 7C-3D, Virgin Islands

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

IDC 05 21:51:21.6, 1.1, 2.54N-125.64E, mb3.7/6, mb1.3/9, mb1mx3.7/17, Error ellipse: s-maj=97.4km s-min=17.4km az=70.0
ISC 05 21:51:45.8, 0.9, 2.3N, 0.2, 125.5E, 0.5, h250km, n9, c052/9, mb3.6/6, Talaud Islands

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

IDC 05 21:56:23.3, 0.9, 8.62S, 124.24E, mb4.0/4, mb1.4/2.7, mb1mx4.1/15, ML4.6/2, MS3.3/4, Ms1.3.3/4, ms1mx3.1/18, Error ellipse: s-maj=62.4km s-min=18.2km az=59.0
NEIC 05 21:56:24.9, 0.4, 8.63S, 124.25E, h15km, mb4.6/12, Error ellipse: s-maj=25.7km s-min=7.0km az=55.0
ISC 05 21:56:21.9, 3.1, 8.72S, 0.09, 124.1E, 0.1, h8km, 19km, n32, c131/35, mb4.5/15, MS3.5/2, 2C, Timor region

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

Table with columns: FORT, Korresta, 22.25 171, eP, P, 22 01 23.2, +2.3, KLBR, Kellerberrin, 23.52 194, eP, P, 22 01 41.8, +8.4, CTA, Charters Tower, 24.18 120, P, 22 01 41.9, +2.0, CTA, Charters Tower, 24.18 120, P, 22 09 54.5, CTA, Charters Tower, 24.18 120, P, 22 01 41.9, +2.0, CTA, Charters Tower, 24.18 120, P, 22 09 54.8, CTAO, Charters Tower, 24.18 120, P, 22 01 41.8, +8.1, STKA, Stephens Creek, 28.18 147, eP, P, 22 02 19.8, +2.7, CMAR, Chiang Mai Arr, 36.70 317, eP, P, 22 03 32.7, +1.2, LSA, Lhasa, 49.66 322, eP, P, 22 05 16.8, +0.4, PKI, Pulchoki, 52.03 315, eP, P, 22 05 33.9, -0.5, KKN, Kakan, 52.25 315, eP, P, 22 05 35.8, -0.3, DMN, Daman, 52.26 315, eP, P, 22 05 35.6, -0.6, GKN, Gorkha, 52.83 315, eP, P, 22 05 39.7, -0.7, KOLN, Koldanda, 53.42 314, eP, P, 22 05 44.2, -0.6, SONM, Sogingo Array, 58.46 346, P, 22 06 20.5, -0.2, MKAR, Makanchi Array, 58.64 330, P, 22 07 14.7, -0.5, VNDA, Vanda, 71.51 172, LR, 22 38 00.4, VNDA, Vanda, 71.51 172, P, 22 07 45.9, +1.0, CHKZ, Chkalovo, 76.78 331, eP, P, 22 08 14.6, -1.1, QGSA, Qutha Pute Qui, 81.27 180, eP, P, 22 08 41.6, +2.1, ARU, Arti, 84.15 329, eP, P, 22 08 53.9, -0.9, SNAI, Sanae, 92.60 195, eP, P, 22 09 36.8, +2.0, CPUP, Villa Florida, 145.13 178, PKPbc, PKPbc, 22 16 03.2, +2.1, CPUP, Villa Florida, 145.13 178, PKPbc, PKPbc, 22 16 03.2, +2.1, LPAZ, La Paz, 152.35 154, PKPab, PKPab, 22 16 33.9, +2.1

RSPR 05 22:08:43.7, 19.67N-64.45W, h61km, 15km, MD3.8/7, MD3.8/7, 7C-3D, Virgin Islands

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

NEIC 05 22:15:10.7, 0.7, 0.97N-98.16E, h45km, mb4.4/1, Error ellipse: s-maj=31.6km s-min=11.3km az=87.0
IDC 05 22:15:19.5, 14.0, 1.36N-98.71E, h11km, 129km, mb3.4/4, mb1.3.5/5, mb1mx3.2/18, ML3.8/1, Error ellipse: s-maj=102.0km s-min=20.0km az=57.0
ISC 05 22:15:09.0, 3.6, 1.0N, 0.1, 98.1E, 0.3, h51km, 41km, n7, c0596/7, mb3.9/5, Northern Sumatara

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

LDG 05 22:17:30.2, 0.2, 53.90N-0.58W, h10km, MS3.0/17, Error ellipse: s-maj=4.5km s-min=3.3km az=7.0
NEIC 05 22:17:31.0, 53.94N, 0.60W, h10km, ML3.0(LDG), ML2.6(BGS), After BGS.
BGS 05 22:17:31.0, 0.5, 53.94N, 0.60W, h10km, 10km, ML2.6, 3C-2D, United Kingdom

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

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BAIF Baives, GIVF Givet, FLN La Foliniere, etc.

IDC 05 22:18:25.9.1, 9.73Sx125.08E, h120km, 105km, mb3.1/1, mb1 3.3/4, mb1mx3.1/13, ML3.4/3, MS2 3/1, Ms1 2.3/1, ms1mx2.3/7, Error ellipse: s-maj=71.7km, s-min=45.2km, az=25.0

ISC 05 22:18:26.1.2.2, 9.76S, 0.10x125.02E, 0.10, h144km, 25km, n8, 05/99/13, mb3.1/1, Timor region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KAKA Kakadu, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

IDC 05 22:30:13.0.2.7, 19.56Sx168.71E, h27km, 6km, mb4.1/4, mb1 4.2/4, mb1mx3.8/14, MS3.5/3, Ms1 3.5/3, ms1mx3.1/23, Error ellipse: s-maj=79.8km, s-min=44.3km, az=150.0

NEIC 05 22:30:19.2.1.9, 19.52Sx168.51E, h10km, mb4.4/3, Error ellipse: s-maj=39.7km, s-min=31.1km, az=159.0

ISC 05 22:30:20.2.2.9, 20.1.0.2x167.8E, 0.4, h33km, n13, r127/12, mb4.3/5, MS3.4/3, Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BKM Butte a Klehm, CTA Charters Tower, WRA Warramunga Arr, etc.

NEIC 05 22:36:49.1.0.5, 22.35Sx176.40W, h100km, mb4.4/5, Error ellipse: s-maj=18.1km, s-min=10.7km, az=149.0

IDC 05 22:36:51.0.9.2, 22.35Sx176.46W, h114km, 85km, mb3.7/7, mb1 3.9/8, mb1mx3.7/16, ML4.4/1, Error ellipse: s-maj=43.9km, s-min=30.2km, az=175.0

ISC 05 22:36:48.1.0.7, 22.35S, 0.1x176.5W, 0.1, h100km, n25, r083/20, mb4.2/9, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like URZ Urewera, URZ Quartz Range, CTA Charters Tower, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like WB2 Warramunga Arr, WRA Warramunga Arr, KAKA Kakadu, etc.

NEIC 05 22:48:47.4, 52.21N, 170.99W, h15km, ML3.5(AEIC), After AEIC, Fox Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like NIKO Nikolski, ATKA Atka Island, OKER East Rim, etc.

MAN 05 22:55:56.5, 14.80N, 120.15E, h1km, mb4.4, ML3.2, MS3.0

ISC 05 22:55:55.4, 14.79N, 0.05x120.05E, 0.09, h1km, n7, r1508/11, 4C-1D, Luzon

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TGY Tagaytay City, PCPH Palayan, PGP Puerto Galera, etc.

NIED 05 23:09:00, 44.60N-150.20E, h14km, Mw3.7 Best double couple: M3.36x1014 NP130x31, 857, x100, NP2: 0x193, 034, 175, East of Kuril Islands

NEIC 05 23:23:58.4, 1.2, 83N, 128.26E, h285km, mb4.0/2, Error ellipse: s-maj=32.3km, s-min=13.4km, az=58.0

IDC 05 23:24:13.8, 25.0, 2.43N, 127.80E, h461km, 338km, mb3.1/5, mb1 3.2/5, mb1mx3.0/16, Error ellipse: s-maj=110.0km, s-min=43.1km, az=39.0

ISC 05 23:25:57.1, 5.2, 9.2N, 0.2x128.3E, 0.3, h300km, n10, r064/10, mb3.5/5, Halmahera

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KAKA Kakadu, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

NIED 05 23:27:00, 24.10N, 122.60E, h29km, Mw3.9 Best double couple: M6.76x1014 NP130x75, 878, 189, NP2: 2x258, 612, 193

TAP 05 23:27:14.5, 23.88N, 122.69E, h20km, 1km, ML4.1 JMA 05 23:27:16.0, 27.06N, 122.60E, h37km, M3.1

NEIC 05 23:27:18.1, 24.24N, 122.78E, h55km, 13km, Error ellipse: s-maj=21.9km, s-min=13.6km, az=199.0

IDC 05 23:27:18.4, 7.1, 24.20N, 122.70E, h50km, 77km, mb3.4/4, mb1 3.5/5, mb1mx3.3/21, ML3.5/1, Error ellipse: s-maj=55.0km, s-min=24.2km, az=64.0

ISC 05 23:27:15.6, 0.8, 24.08N, 0.08x122.57E, 0.04, h37km, n16, r112/24, mb3.6/5, Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like YOJ Yonaguni jima, IRIF Iriomote-Funau, HATJ Hateruma jima, etc.

BER 05 23:30:1.3, 2.9, 67.83N-20.33E, ML1.7, Suspected explosion HEL 05 23:30:51.0, 1.0, 67.81N-20.14E, ML1.8, ML1.7(BER), Explosion

ISC 05 23:30:49.3, 0.7, 67.79N, 0.04x20.2E, 0.1, n11, r09/97/18, Sweden

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KIF Kilpisjarvi, KTK1 Kautokeino, TRO Tromso, etc.

IDC 05 23:48:54.4, 1.3, 19.54Sx167.85E, h32km, 4km, mb4.0/9, mb1 4.2/9, mb1mx4.1/15, MS3.5/3, Ms1 3.5/3, ms1mx3.2/21, Error ellipse: s-maj=53.8km, s-min=16.3km, az=154.0

NEIC 05 23:48:56.0, 6.19, 51.81S, 167.85E, mb4.3/8, Error ellipse: s-maj=18.3km, s-min=12.8km, az=136.0

ISC 05 23:48:52.6, 0.7, 19.38S, 0.06x167.8E, 0.1, h32km, h32km, 8km, pP, n46, r125/24, mb4.1/9, MS3.4/3, 2C, Vanuatu Islands region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BKM Butte a Klehm, DZM Mont Dzumac, CTA Charters Tower, etc.

IDC 05 23:50:07.4, 2.0, 1.29N, 127.79E, mb3.9/3, mb1 4.0/3,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, WB2 Warramunga Arr, STKA Stephens Creek, MKAR Makanchi Array.

NAO 05 23:51:04.5:3.8, 67.78N:20.12E, ML2.2
HEL 05 23:51:05.6:0.1, 67.83N:20.34E, ML2.0, ML1.7(BER),
ML2.2(NAO), Explosion
BER 05 23:51:06.7:3.2, 67.85N:20.08E, ML1.7, ML2.2(NAO),
Suspected explosion
ISC 05 23:51:02.2:0.6, 67.74N:0.03:20.13E:0.09, n17, e1903/23,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KIF Kilpisjärvi, KTK1 Kautokeino, TRO Tromsø, SGF Sodankylä, ARAO ARCESS Array S, ARAO ARCESS Array S, ARAO ARCESS Array S, MOR8 Moi Rana, KEV Kevo, OUL Oulu, MSF Maaseika, NSS Namsoos, FIAO FINESS Array S, FIAO FINESS Array S, FIAO FINESS Array S, HFS Hagfors, HFS Hagfors, HFS Hagfors.

BUI 06 00:09:38.1, 39.59N:77.10E, h12km, ML4.3
ISC 06 00:09:36.2:4.8, 39.2N:0.3:77.1E:0.2, h15km, 26km, n12,
e084/14, 1C, Southern Xinjiang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KSH Kashi, ULHL Ulahol, KZA Kyzart, UCH Uchter, KBK Karagaybulak, TKM2 Tokmak 2, AML Almayashu, AAK Ala-Archa, CHMS Chumysh, EKS2 Erkin-Say, USP Osenovka, KK31 Karatay Array, KK31 Karatay Array, KK31 Karatay Array.

NIED 06 00:21:00.24, 50N:123.30E, h107km, Mw4.0 Best double couple.
Mo: 1.2x10^15 NP1:320°, d75°, l-96°. NP2:
phi 162°, delta 16°, l-68°.
IDC 06 00:21:10.1:3.1, 24.58N:123.34E, h83km, 30km, mb3.5/12,
mb1 3.7/13, mb1mx3.6/23, MS3.3/1, Ms1 3/31,
ms1mx2.6/19, Error ellipse: s-maj=20.8km s-min=12.9km
az=74.0

JMA 06 00:21:11.7:0.1, 24.49N:123.31E, h83km, 1km, Ms3.9
JMA Feat 1 J1.
NEIC 06 00:21:11.3:1.0, 24.60N:123.37E, h96km, 10km, mb4.0/2,
Error ellipse: s-maj=12.5km s-min=9.7km az=59.0
NEIC Recorded [1 JMA] on Iriomote-jima.
ISC 06 00:21:09.8:0.4, 24.56N:0.06:123.30E:0.04, h97km, 3km,
n33, e1919/45, mb3.7/13, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like YOJ Yonaguni jima, IRIF Iriomote-Funau, HATJ Hateruma jima, JKRS Kuro-shima, JIJ Ishigaki jima, JIJ Tarama, TATO Taipei, JIJ Miyako jima, JOGS Gusukube, JOGS Kume jima, JOGS Kume jima, JAGN Aguni-jima, JAGN Aguni-jima, JOW Kunigami, JOW Kunigami, JOW Kunigami, JTK Tokunoshima, JAM Amami Oshima.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MDJ Mudanjiang, CMAR Chiang Mai Arr, SONM Songoi Array, MKAR Makanchi Array, PMG Port Moresby, FITZ Fitzroy Crossi, WRA Warramunga Arr, WB2 Warramunga Arr, BVAR Borovoye Array, CHKZ Chkalovo, AS12 Alice Springs, ASAR Alice Springs, STKA Stephens Creek, STKA Stephens Creek, FINES FINESS Array B, NOA NORSA Array B, YKA Yellowknife A.

NEIC 06 00:29:17.0, 32.08N:115.33W, h6km, ML3.4(PAS), After PAS
ECX 06 00:29:19.1:0.6, 32.20N:115.32W, h4km, MD3.3, ML3.5,
5C-4D, California-Baja California border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like EMX El Mayor, CPBX Cerro Prieto, SGL Mount Signal, RDX Rancho Dowling, COA Coahuila, PLT Pilot Knob, YMD Yuma Desert, RCXB El Chino, EMX La Rumorosa, CPBX Piedras Gordas, CBX Cerro Bola, San Pedro Mart, ENX Ensenada, ECNX Esteban Cantu, BAR Barrett, PBX Punta Banda, LDFO Landfair, MWFC Mount Wilson, NELN Nelson, TUC Tucson, WUZ Wupatki, PV10 Paradox Valley.

IDC 06 00:40:34.2:9.3, 5.55S:147.75E, mb3.7/2, mb1 3.8/4,
mb1mx3.9/13, ML3.2/2, Error ellipse: s-maj=126.0km
s-min=78.6km az=30.0, Eastern New Guinea region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, IDC 06 00:55:16.9:1.1, 19.95S:167.85E, mb4.1/7, mb1 4.4/8, mb1mx3.3/15, ML3.2/1, MS3.5/2, Ms1 3.5/2, ms1mx3.1/16, Error ellipse: s-maj=36.8km s-min=25.5km az=151.0, NEIC 06 00:55:21.1:0.8, 20.44S:168.10E, h35km, mb4.5/9, Error ellipse: s-maj=22.9km s-min=13.5km az=146.0, ISC 06 00:55:20.3:0.8, 20.35S:0.1:167.9E:0.1, h35km, n27, e1907/16, mb4.3/9, MS3.4/2, 2C, Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, URZ Urewera, CTA Charters Tower, CTAO Charters Tower, STKA Stephens Creek, STKA Stephens Creek, WB2 Warramunga Arr, WRA Warramunga Arr, AS12 Alice Springs, ASAR Alice Springs, FITZ Fitzroy Crossi, SBA Scott Base, GSPA Songoi Pole Guy, SONM Songoi Array, NVAR Mina Array Bea, ILER Eileison Array, GERES GRESS Array B, LOR Lormes, SFL Saint Saulte, LPA La Plagne, LPA La Plagne, MBD Montbardon, ORIF Oris-et-Rattie, SBP Sospel, PGF Ploggiola, VIVF Saint-Julien-I, SMRF Simiane la Rot.

INMG 06 01:12:38.6:0.9, 42.27N:8.34W, h3km, 4km, ML1.6, Error ellipse: s-maj=2.3km s-min=1.5km az=85.0
MDD 06 01:12:38.5:0.3, 42.27N:8.37W, h1km, 2km, mbLg1.9/9, Error ellipse: s-maj=3.6km s-min=2.4km az=45.0, PRXIMO

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ISC 06 01:12:37.3:0.8, 42.28N:0.05:8.34W:0.07, h7km, 8km, n15, e058/19, 1D, Spain, EZAM Zamans, EZAM Lobios, ELOB Lobios, STS Santiago, STS Santiago, EINC Incio, EINC Incio, ERUA La Rua, ERUA La Rua, PVRL Vila Real, PVRL Vila Real, PVRL Vila Real, ECAL Calabor, ECAL Calabor, PBRG Braganca, PBRG Braganca, EPON Pontonova, EPON Pontonova, PVIS Viseu, PVIS Viseu, PVIS Viseu, MTE Mantegais, MTE Mantegais.

DJA 06 01:18:34.6:1.0, 9.49S:114.04E, h15km, MD5.7/2, ML3.7/2, 5C-1D, Error ellipse: s-maj=23.7km s-min=16.3km az=34.0, South of Bali

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like INGI Ingas, INGI Kelatatan, KALI Kelatatan, RATI Rata, RATI Rata, INGI Ingas, INGI Kelatatan, KALI Kelatatan, RATI Rata, RATI Rata.

NEIC 06 01:47:47.7, 8.57S:115.51E, h96km, After DJA
DJA 06 01:47:47.7:0.9, 8.57S:115.51E, h96km, 7km, MD5.3/3, 2C-5D, Error ellipse: s-maj=25.0km s-min=9.2km az=179.0, Bali region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like RATI Rata, RATI Ingas, INGI Kelatatan, KEDI Kedondong, KEDI Kelatatan, KALI Kelatatan, KALI Kelatatan.

NDI 06 02:07:02.4:6.6, 18.92N:80.85E, h18km, 22km, ML3.6
ISC 06 02:06:59.8:2.5, 19.65N:0.09:81.33E:0.07, h4km, 22km, n17, e087/18, Southern India

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BLSP Bilaspur, NGP Nagpur, NGP Corikha, VIS Vishakhapatnam, LVR Vishakhapatnam, BHPL Bhopal, BHPL Bhopal, POO Poona, POO Poona, POO Poona, BOM Bombay, BOM Goa, GOA Goa, KOLN Koldanda, DMN Dumchik, PKI Pulchoki, GKN Gokarna, KKN Kakani, SONA Sohna, SONA Sohna, KUDL Kundal, KUDL Kundal, NDI New Delhi, NDI Khetri, KHET Khetri.

IDC 06 02:11:43.2:3.5, 18.16S:173.42W, mb3.8/5, mb1 4.1/5, mb1mx3.7/17, MS3.5/1, Ms1 3.5/1, ms1mx2.9/20, Error ellipse: s-maj=221.0km s-min=26.0km az=151.0, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, NVAR Mina Array Bea, PDAR Pinedale Array, INK Inuvik.

KRSC 06 02:31:06.1, 49.50N:156.68E, h31km, ML3.8, Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KRSC Kuril Islands.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SKR Severo-Kuril's, ALID Alaid, PAUZ Pauzhetka, etc.

KRSC 06 02:56:46.4, 54.83N, 160.53E, h121km, ML3.7, Near east coast of Kamchatka Peninsula

CASC 06 03:07:34.8, 2.1, 71.70N, 87.41W, h114km, MD4.3, ML3.7

IDC 06 03:07:39.5, 4.5, 12.03N, 86.89W, h39km, 51km, mb3.5/3, mb1.3/8.4, mb1mx3.4/20, ML2.6/1, MS2.9/1, Ms1.2/9.1, ms1mx2.5/22, Error ellipse: s-maj=288.0km s-min=21.5km az=45.0

ISC 06 03:07:37.6, 1.2, 11.57N, 0.06:87.37W, 0.09, h43km, n14, n28, e095/37, mb3.7/3, 7C-AD, Near coast of Nicaragua

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PYN Poneloya, LEON Leon, COPN Copaltepe, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like WILN Americas 2, COFN Cofrada, PYTN Playitas, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like JCR Jicaral, CGA2 Cerro Gallo 2, CGA2 Cerro Gallo 2, etc.

NEIC 06 03:50:47.2, 45.13N, 9.36E, h10km, MD2.5(ROM), ML2.2(LDG), After ROM

ROM 06 03:50:47.2, 0.4, 45.13N, 9.36E, h10km, MD2.5/2, ML1.6/2, Error ellipse: s-maj=4.6km s-min=2.2km az=90.0

LDG 06 03:50:48.2, 0.2, 45.11N, 9.49E, h10km, MD2.5/5, Error ellipse: s-maj=9.4km s-min=2.7km az=53.0

ISC 06 03:50:47.0, 7.8, 45.07N, 0.03:9.18E, 0.07, h2km, 5km, n14, e095/27, Northern Italy

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like BOB Bobbio (Coli), VAI Varese, VAI Varese, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like MBDF Montbard, LGP La Plagne, LPL La Plagne, etc.

CASC 06 04:14:36.9, 2.0, 11.56N, 86.14W, h169km, 7km, MD3.9, ML3.2

ISC 06 04:14:37.1, 0.9, 11.58N, 0.10:86.2W, 0.11, h169km, 7km, n25, e077/45, 5C-7D, Near coast of Nicaragua

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CRUN El Crucero, TICN Ticutape, CONN Concepcion, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like WILN Americas 2, WILN Americas 2, XAVN Gruta Xavier, etc.

BUI 06 04:22:35.4, 29.45N, 101.00E, h13km, mb4.6, ML3.9, MS3.9, MS2.9

IDC 06 04:22:35.4, 0.8, 29.48N, 101.09E, mb4.0/8, mb1.4/10, mb1mx3.9/18, ML4.3/1, MS3.3/3, Ms1.3/4.3, ms1mx2.8/28, Error ellipse: s-maj=51.5km s-min=17.1km az=54.0

NEIC 06 04:22:36.0, 3.5, 29.33N, 100.86E, h5km, 23km, mb4.3/1, Error ellipse: s-maj=11.3km s-min=7.6km az=213.0

ISC 06 04:22:33.9, 0.4, 29.32N, 0.04:100.86E, 0.05, h5km, n29, e113/31, mb4.0/9, MS3.3/2, 1D, Sichuan

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CD2 Chengdu, KMI Kunming, KMI Kunming, etc.

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

CMAR Chiang Mai Arr 19.05 190 Pn P 04 25 22.0 +7.6

CMAR Chiang Mai Arr 19.05 190 Pn P 04 25 22.0 +7.6

CMAR Chiang Mai Arr 19.05 190 Pn P 04 25 22.0 +7.6

CMAR Chiang Mai Arr 19.05 190 Pn P 04 25 22.0 +7.6

CMAR Chiang Mai Arr 19.05 190 Pn P 04 25 22.0 +7.6

CMAR Chiang Mai Arr 19.05 190 Pn P 04 25 22.0 +7.6

CMAR Chiang Mai Arr 19.05 190 Pn P 04 25 22.0 +7.6

CMAR Chiang Mai Arr 19.05 190 Pn P 04 25 22.0 +7.6

CMAR Chiang Mai Arr 19.05 190 Pn P 04 25 22.0 +7.6

CMAR Chiang Mai Arr 19.05 190 Pn P 04 25 22.0 +7.6

CMAR Chiang Mai Arr 19.05 190 Pn P 04 25 22.0 +7.6

CMAR Chiang Mai Arr 19.05 190 Pn P 04 25 22.0 +7.6

CMAR Chiang Mai Arr 19.05 190 Pn P 04 25 22.0 +7.6

CMAR Chiang Mai Arr 19.05 190 Pn P 04 25 22.0 +7.6

CMAR Chiang Mai Arr 19.05 190 Pn P 04 25 22.0 +7.6

CMAR Chiang Mai Arr 19.05 190 Pn P 04 25 22.0 +7.6

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PVRL Vila Real, ECAL Calabar, ECAL Calabar, etc.

IDC 06 04:45:02.8, 1.5, 50.40S, 112.74E, mb4.0/5, mb1.4/3.5, mb1mx4.1/11, MS3.6/5, Ms1.3/6.5, ms1mx3.4/12, Error ellipse: s-maj=52.7km s-min=24.2km az=91.0

NEIC 06 04:45:05.0, 0.9, 50.41S, 113.10E, h10km, mb4.5/2, Error ellipse: s-maj=54.3km s-min=18.3km az=106.0

ISC 06 04:45:03.0, 0.8, 50.45S, 0.1x113.1E, 0.4, h10km, n18, e078/11, mb4.2/7, MS3.5/4, 2C-1D, Southeast India

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like NWAON Narrogin (SRO), ASAR Alice Springs, ASAR Alice Springs, etc.

IDC 06 04:49:18.0, 1.9, 1.84N, 126.82E, mb3.7/3, mb1.3/9.4, mb1mx3.6/16, ML3.3/1, Error ellipse: s-maj=108.0km s-min=24.9km az=69.0

ISC 06 04:49:20.6, 1.7, 1.9N, 0.3:126.9E, 0.6, h33km, n5, e084/5, mb3.6/3, Northern Molucca Sea

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

CASC 06 05:29:06.3, 2.4, 8.56N, 83.12W, h20km, 5km, MD3.6, ML3.2

ISC 06 05:29:05.3, 1.1, 8.45N, 0.07:83.15W, 0.05, h23km, 6km, n18, e097/29, 6C-5D, Costa Rica

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ACR Cerro Adams, BRU2 Volcan, DVD David, etc.

NEIC 06 05:49:05.3, 31.68S, 71.97W, h29km, ML3.2(GUC), After GUC

GUC 06 05:49:05.3, 0.8, 31.68S, 71.97W, h29km, 4km, MD3.8, ML3.2, 1C-1D, Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ILCH Illapel, PACH Papudo, CMCH Combarbala, etc.



Table with 4 columns: Station Name, Time, Res, and Code. Includes stations like OBNS, OBNS, OBNS, OBNS, etc.

IDC 06:07:31.1.6.1.8.7.32.605X179.94E,h232km,90km,Mw3.7/2, mb1 4.0/3,mb1mx3/6.1, Error ellipse: s-maj=9.2,7km s-min=43.5km az=3.0

ISC 06:07:20.1.1.2.33.143.0.07X179.9E,-0.2,h300km,n21, r=112/29,mb3.7/2,South of Kermadec Islands

Table with 4 columns: Code, Station Name, Time, Res. Includes stations like MXZ, MXZ, PUK, PUK, etc.

NIED 06:07:00.07.37.40N,138.60E,h20km,Mw3.3 Best double couple: M1.08x1014 NP1φ205°,δ71°,λ63°. NP2φ82°,δ33°,λ143°

JMA 06:07:00:45.4.0.1.37.37N:138.62E,h25km,Mw3.3 Broadband fault plane solution: P waves. NP1φ85°,δ26°,λ162°. NP2φ192°,δ82°,λ65°. Principal axes: T P1g47°,Az m76°; N P1g24°,Az m195°; P P1g33°,Az m302°

JMA Felt I J1. ISC 06:07:00:45.0.5,37.38N:0.03:138.60E,0.04,h29km,Mw3.5,n11,c0949/22,2C-5D, Near west coast of eastern Honshu

Table with 4 columns: Code, Station Name, Time, Res. Includes stations like JIZZ, JIZZ, JHK, JHK, etc.

NEIC 06:07:09:23.4.2.3.20.60Sx178.56W,h610km,26km,mb4.7/11, Error ellipse: s-maj=14.6km s-min=13.7km az=203.0

IDC 06:07:09:25.1.2.4.20.89Sx178.52W,h633km,30km,mb3.6/9, mb1 3.9/10,mb1mx3/7/16, Error ellipse: s-maj=23.8km s-min=12.3km az=152.0

ISC 06:07:22:5.2.3.20.71S:0.09:178.6W,0.1,h609km,30km,n51,c159/35,mb4.3/19,7C-5D,Fiji Islands region

Table with 4 columns: Code, Station Name, Time, Res. Includes stations like URZ, URZ, CNB, CNB, etc.

Table with 4 columns: Station Name, Time, Res, and Code. Includes stations like QSPA, QSPA, UNV, UNV, etc.

CMAR Cheng Mai Arr 89.63 290 P 07 21 19.7+1.4

ISC 06:07:32:00.24.80N,122.00E,h8km,Mw5.3 Best double couple: M2.69x1016 NP1φ69°,δ49°,λ-82°. NP2φ236°,δ42°,λ-99°

IDC 06:07:32:00:6.0.5.24.92N:122.18E,mb4.4/20,mb1 4.5/21,mb1mx4.5/25,MS4.5/20,MS1 4.5/20,ms1mx4.4/26, Error ellipse: s-maj=19.0km s-min=12.2km az=65.0

JMA 06:07:32:01:4.0.3.24.80N:122.04E,h43km,Mw5.2,HRV02 06:07:32:02:1.0.2.24.95N:122.08E,h12km,MW5.2/57, Centroid moment tensor solution. LP body waves: s45,c76, Mantle waves: s57,c112; Half duration: 1s0

Moment tensor: Scale 10^17Nm; M1:0.74x0.2z; M2:0.68x0.2z; M3:0.10x0.5z. Best double couple: M1.81x1017 NP1φ70°,δ40°,λ-84°. NP2φ242°,δ50°,λ-95°. Principal axes: T -86, P1g45°,Az m335°; N -1, P1g4°,Az m245°; P -76, P1g83°. Az m19°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

TAP 06:07:32:02.8.24.90N:122.27E,h6km,ML5.2 TAP Felt III J, II J at Ilan, II J at Neicheng, II J at Mucha, III J at Nanau, II J at Nioudou, II J at Taipei, II J at Kuangyinshan, I J at Sanguang, I J at Nanshan, II J at Jungli (National Central University), I J at Huailien, I J at Nanjunj, II J at Hsinchu

NEIC 06:07:32:02:1.0.2.24.86N:122.24E,h10km,mb4.8/27,MS4.7/4, Error ellipse: s-maj=7.0km s-min=5.2km az=61.0 NEIC Felt throughout Taiwan. Recorded [3 TAP] in I-lan and Taipei; [2 TAP] in Hsin-chu, Hua-lien and Tao-yuan; [1 TAP] in Miaoli Counties.

BUI 06:07:32:02.3.24.97N:122.10E,h4km,mb5.2,mb4.6,ML5.2,Ms5.1,Ms25.2

MOS 06:07:32:03:4.1.2.24.82N:122.01E,h33km,mb5.0/20,MS4.9/15, Error ellipse: s-maj=20.8km s-min=9.0km az=115.4

MAN 06:07:32:52.7.21.34N:122.21E,h18km ISC 06:07:32:00:7.0.2.25.01N:0.02:122.33E,0.02,h6km,n219,c139/246,mb4.7/58,MS4.8/41,11C-16D,Taiwan region

Table with 4 columns: Code, Station Name, Time, Res. Includes stations like NWF, NWF, ILA, ILA, etc.

Table with 4 columns: Code, Station Name, Time, Res. Includes stations like NWF, NWF, ILA, ILA, etc.

Table with 4 columns: Station Name, Time, Res, and Code. Includes stations like TTN, TTN, SGST, SGST, etc.

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

JNU comp=E,3um,18.9s,baz=230,slow=41

Table with columns for station name, frequency, power, and other technical details. Includes stations like MDJ, CHG, CMAR, BDT, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like SEY, WRA, WB2, etc.

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

TAP 06:07:33:18.3, 24.92N-122.12E, h3km<sub>1</sub>=1km, ML4.0, Taiwan region

NEIC 06:07:33:30.9, 31.84S:71.16W, h77km, MD3.4(GUC), After GUC.

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like ILCH, PTCH, CMCH, etc.



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FCH, Farellones, FCH, Las Cruces, LCH, Tololo Astrono, etc.

IDC 06 08:10:16.5:8.9, 17.71S:178.99W, h603km, 104km, mb2.6/4, mb1.3, 0.4, mb1mx2.8/15, Error ellipse: s-maj=107.0km s-min=39.7km az=152.0

ISC 06 08:10:15.5:2.1, 17.3S:0.8:179.2W, 0.5, h600km, n5, c0502/4, mb3.1/4, Fiji Islands region

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

JMA 06 08:24:26.1:0.2, 24.21N:123.82E, h19km, 2km, M1.0 TAP 06 08:25:01.5, 24.96N:122.17E, h14km, 1km, ML2.7

ISC 06 08:24:26.4:2.0, 24.21N:0.06:123.81E, 0.07, h15km, 16km, n5, c048/10, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IRIF, Iriomote-Funau, IRIF, HATERUMA JIMA, etc.

IDC 06 08:32:34.8:1.9, 4.12S:130.04E, mb4.0/1, mb1.4/1, mb1mx3.8/14, ML3.7/3, Error ellipse: s-maj=85.8km s-min=26.2km az=74.0, Banda Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KAKA, Kakadu, KAKA, FITZ, Fitzroy Crossi, etc.

NEIC 06 08:32:40.7, 37.20N:28.04E, h2km, MD2.9(ATH), After ATH. ATH 06 08:32:40.7, 37.20N:28.04E, h2km, MD2.9/4

ISK 06 08:32:47.0, 37.31N:27.94E, h6km, MD3.0 ISC 06 08:32:43.3:0.7, 36.96N:0.04:27.58E, 0.06, h8km, 6km, n12, c1507/19, Dodecanese Islands

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

TAP 06 08:33:20.9, 24.92N:122.10E, h5km, ML3.4 JMA 06 08:33:20.3:0.1, 24.71N:122.10E, h4km, 1km, M2.8

ISC 06 08:33:20.2:2.4, 24.8N:0.4:122.2E, 0.2, h2km, 12km, n5, c0514/10, Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YOJ, Yanaguni jima, YOJ, IRIF, etc.

NEIC 06 08:35:34.8, 31.46S:69.64W, h145km, MD3.6(GUC), After GUC. GUC 06 08:35:34.8:0.8, 31.46S:69.64W, h145km, 6km, MD3.6, ML3.9, 9C-7D, San Juan Province

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

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

IDC 06 08:45:50.3:1.9, 21.01S:170.72E, mb3.9/5, mb1.4/1, 6, mb1mx4.0/15, ML4.1/1, Error ellipse: s-maj=40.0km s-min=39.7km az=172.0

NEIC 06 08:46:11.1:2.4, 21.67S:170.62E, h182km, 17km, mb3.8/2, Error ellipse: s-maj=31.8km s-min=15.4km az=223.0

ISC 06 08:46:10.7:3.2, 21.8S:0.2:170.6E, 0.2, h188km, 20km, n12, c0552/13, mb3.7/7, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NOUC, Port Laguerre, NOUC, Urewera, etc.

MAN 06 09:42:18.2, 10.94N:124.81E, mb3.7, ML2.4, MS1.9, Leyte

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

NEIC 06 09:50:30.3:0.8, 21.52S:66.97W, h221km, 8km, Error ellipse: s-maj=19.0km s-min=13.6km az=56.0

IDC 06 09:50:30.1:1.4, 21.53S:66.99W, h219km, 12km, mb2.7/1, mb1.3/2, mb1mx3.1/15, Error ellipse: s-maj=26.9km s-min=14.5km az=93.0

ISC 06 09:50:29.8:1.0, 21.60S:0.08:67.0W, 0.1, h231km, 14km, n9, c042/10, mb2.7/1, Chile-Bolivia border region

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

JMA 06 10:11:40.1:0.4, 24.90N:122.13E, h32km, M3.0 TAP 06 10:11:41.6, 24.99N:122.16E, h11km, ML3.4, Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YOJ, Yanaguni jima, YOJ, IRIF, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IJ, Ishigaki jima, IJ, IJ.

NAO 06 10:13:54.0:1.2, 59.92N:25.41E, ML2.3 BER 06 10:13:55.5:3.3, 59.94N:25.49E, ML2.3(NAO), Suspected explosion

HEL 06 10:13:57.8:0.1, 60.19N:25.21E, ML1.5, ML1.8(UPP), ML2.3(NAO), Explosion ISC 06 10:13:56.4:0.5, 60.25N:0.03:25.20E, 0.06, n19, c0993/29, Finland

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

NEIC 06 10:16:12.9, 20.44N:102.76W, h7km, MD3.8(MEX), After MEX. MEX 06 10:16:13.3:0.7, 20.47N:102.80W, h20km, 27km, MD3.8, Jalisco

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SFJM, Santa Fe, SFJM, COLIMA, etc.

ISC 06 10:21:43.1:0.9, 18.53S:0.08:167.2E, 0.1, h33km, n5, c0978/8, mb4.2/2, 3C, Vanuatu Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BKM, Butte a Klehm, BKM, DZM, etc.

IDC 06 10:50:16.1:1.9, 6.58S:130.06E, mb3.8/1, mb1.3/8/4, mb1mx3.6/13, ML3.6/3, MS3.4/1, Ms1.3/3/1, ms1mx2.6/22, Error ellipse: s-maj=68.2km s-min=27.5km az=78.0

ISC 06 10:50:32.8:2.1, 7.45S:0.1:129.9E, 0.1, h187km, 22km, n9, c065/14, mb3.6/1, Banda Sea

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

IDC 06 10:56:10.1:0.8, 28.40N:139.53E, h457km, 11km, mb2.9/7, mb1.3/1/8, mb1mx2.9/22, Error ellipse: s-maj=21.6km s-min=13.6km az=86.0

ISC 06 10:56:09.3:0.9, 28.4N:0.1:139.5E, 0.2, h464km, 12km, n10, c064/11, mb3.2/7, Bonin Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CBJJ, Chichi jima, CBJJ, BOROVYE ARAY, etc.

HEL 06 10:58:06.8:0.2, 59.11N:28.06E, ML1.6, Explosion

6d 11h

IDC 06 10:58:12.7, 2.7, 59.57N-28.05E, mb1 3.2/2, mb1mx3.0/18, ML2.8/2, Error ellipse: s-maj=29.3km s-min=17.2km az=88.0

ISC 06 10:58:02.6, 2.3, 59.17N-10.10, 28.8E, 0.2, n7, r173/10, Baltic States - Belarus - Northwestern Russia

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Includes stations like VJF Verojoki, PNF Pohnpei, FIAO FINESS Array S, etc.

BJI 06 11:04:53.8, 14.56N, 147.81E, h62km, mb4.7, Msz4.4 NEIC 06 11:04:53.3, 1.2, 14.56N, 147.26E, h40km, mb4.6/8, Error ellipse: s-maj=10.0km s-min=6.2km az=95.0

IDC 06 11:04:57.0, 0.6, 14.61N-147.33E, h49km, mb4.1/16, mb1 4.2/16, mb1mx4.1/24, MS3.4/6, Ms1 3.5/6, ms1mx3.2/29, Error ellipse: s-maj=17.5km s-min=11.0km az=83.0

ISC 06 11:04:55.4, 0.3, 14.58N-147.23E, 0.06, h45km, h45km, 1.4, km, pp-P, n54, r090/49, mb4.4/25, MS3.4/7, 1C-1D, Mariana Islands region

Main table for station data, including stations like SAPN Saipan, ANAZ Anatahan, GUMO Guam, JOW Jiwon, etc., with columns for Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC.

2004 JUL

Table with columns: LIC, Lamto, 145.59 305 ePKP1 PKPbc, 11 24 31.9 +1.4, LPAZ La Paz, 145.89 98 PKPbc PKPbc, 11 24 33.1 +1.9, LPAZ La Paz, 145.89 98 ePKP PKPdf, 11 24 33.4 +3.2

NIED 06 11:37:00, 22.90N, 121.30E, h35km, Mw4.5, Best double couple: M5.55x10^15 NP1, 183, 183, 183, -155, NP2: 0.90, 0.66, 1.7, 7

IDC 06 11:37:57.0, 0.5, 22.95N-121.27E, mb4.1/18, mb1 4.2/18, mb1mx4.2/24, MS3.6/5, Ms1 3.7/5, ms1mx3.1/32, Error ellipse: s-maj=22.0km s-min=13.0km az=68.0

JMA 06 11:37:59.0, 0.4, 22.89N-121.26E, ML4.0 TAP 06 11:38:00.1, 22.93N-120.95E, h7km, ML4.8 TAP Fell II J at Pinlang, I J at Taitung, II J at Lidau, III J at Taitung, II J at Sandimen, I J at Chengung, I J at Datpu, I J at Jiouou.

MOS 06 11:38:00.8, 0.8, 22.97N-121.34E, h33km, mb4.4/2, Error ellipse: s-maj=27.7km s-min=19.3km az=110.0

NEIC 06 11:38:04.7, 1.6, 22.96N-121.28E, h52km, 15km, mb4.4/8, Error ellipse: s-maj=15.0km s-min=8.8km az=65.0

ISC 06 11:38:01.0, 2.2, 26.8N-102.121, 04E, 0.02, h22km, 2km, n115, r139/156, mb4.2/23, MS3.6/8, 12D, Taiwan region

Main table for station data, including stations like TWG Pinlang, TTN Taitung, ECL Taimali, etc., with columns for Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC.

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Table with columns: CD2 Chengdu, 17.37 301 P AMB P AMB, 11 42 07.7 +4.9, CD2 comp=Z, 220nm, 1.1s, AMB, CD2 comp=Z, 110nm, 4.4s, AMB, CD2 comp=N, 680nm, 9.1s, LR LR

BJI Beijing, 17.62 348 eP AMB P AMB, 11 42 09.3 +3.4

BJI comp=Z, 10nm, 0.8s, LR LR, BJI comp=N, 362nm, 13.3s, LR LR, BJI comp=Z, 195nm, 10.7s, LR LR

BJI comp=Z, 106nm, 29.4s, 17.62 348 eP P, 11 42 09.3 +3.4, BJI comp=Z, 10nm, 0.8s, S S, 11 44 46.0 -33

JGF Huro-hao-te, 19.05 45 P P, 11 42 35.4 +2.0, HHC Kuro-hao-te, 19.64 338 eP P, 11 42 35.3 +5.1, HHC HHC, 11 42 40.1, HHC HHC, 11 42 43.8, HHC HHC, 11 42 51.1 +2.7, HHC HHC, 11 46 31.2 -0.9

HHC comp=Z, 17m, 0.5s, LR LR, HHC comp=N, 293nm, 8.7s, LR LR, HHC comp=E, 91nm, 6.9s, LR LR

HHC comp=Z, 182nm, 9.0s, LR LR, LZH Lanzhou, 19.91 315 eP P, 11 42 38.5 +5.3, LZH LZH, 11 42 40.0, LZH LZH, 11 42 45.0

LZH Lanzhou, 19.91 315 eP P, 11 42 38.5 +5.3, LZH comp=Z, 20nm, 1.0s, pP P, 11 42 42.0, LZH comp=Z, 20nm, 1.0s, pP P, 11 42 45.0

MAJO Matsushiro, 20.16 44 eP P, 11 42 35.7 -0.2, MAT Matsushiro, 20.16 44 eP P, 11 42 38.0 +2.1, MAT Matsushiro, 20.16 44 eP P, 11 42 37.9 +2.0, MAT Matsushiro, 20.16 44 eP P, 11 42 38.0 +2.1

MAT Matsushiro, 20.16 44 eP P, 11 42 38.0 +2.1, CMAR Chiang Mai Arr, 21.13 262 S P, 11 42 48.6 +2.7, CMAR comp=Z, 3.3nm, 0.8s, mb3.7, baz=63, slow=8.7, SNR=19, pP pP, 11 46 52.0 +0.2

CMAR comp=Z, 1.4nm, 0.9s, baz=30, slow=6.0, SNR=7.2, LR LR, CMAR comp=Z, 4.7nm, 19.2s, MS2.9, baz=73, SNR=37, LR LR, JMM Marumori, 22.61 44 P P, 11 42 59.0 -1.6

JOM Ohasama, 23.89 41 P P, 11 43 12.7 -0.3, GTA Gaotai, 24.51 317 P P, 11 43 22.3 +3.8, GTA GTA, 11 43 26.0, GTA GTA, 11 43 28.2

GTA comp=N, 128nm, 9.9s, LR LR, GTA comp=E, 99nm, 11.8s, LR LR, SONM Songoing Array, 27.54 338 P P, 11 43 46.2 -1.0, LSA Lhasa, 27.61 291 P P, 11 43 51.6 +3.6, ASAJ Borokawa, 27.65 35 P P, 11 43 45.6 -2.5

ASAJ Borokawa, 27.65 35 P P, 11 43 45.6 -2.5, ASAJ comp=Z, 161nm, 20.2s, MS3.6, baz=183, slow=38, LR LR, MKAR Makanchi Array, 29.21 317 P P, 11 45 28.6 +0.3

MKAR comp=Z, 1.5nm, 0.7s, mb3.9, baz=119, slow=12, SNR=12, pP pP, 11 47 37.5 -0.3, MKAR comp=Z, 2.1nm, 0.7s, baz=104, slow=5.0, SNR=6.9, LR LR, FITZ Fitzroy Crossi, 40.95 173 eP P, 11 45 41.8 -1.2

FITZ Fitzroy Crossi, 40.95 173 eP P, 11 45 41.8 -1.2, WRA Warramunga Arr, 44.47 162 P P, 11 46 10.6 -1.2, WB2 Warramunga Arr, 44.48 162 eP P, 11 46 08.0 -3.8

AS12 Alice Springs, 47.90 164 eP P, 11 46 38.6 -0.3, ASAR Alice Springs, 47.90 164 P P, 11 46 39.1 +0.2, BVAR Borovoye Array, 48.62 321 P P, 11 46 44.0 -0.1

BRVK Borovoye Array, 48.62 321 eP P, 11 46 44.9 +0.3, BRVK comp=Z, 2.7nm, 0.8s, mb4.8, P P, 11 46 47.9 -0.3, CHK Chkalovo, 48.70 322 eP P, 11 46 40.7 0.0

CHK comp=Z, 1.3nm, 1.0s, mb4.9, P P, 11 46 40.9 -1.1, TIXI Tikisi, 49.02 3 P P, 11 48 44.6 -2.3, TIXI comp=Z, 1.0nm, 0.1s, mb3.8, MLR MLR, 11 48 56.7 +3.0

TIXI comp=Z, 4.8nm, 16.0s, MS3.6, P P, 11 46 48.2 -1.2, ARU Aru, 56.09 324 eP P, 11 47 38.8 -1.0, ARU comp=Z, 1.5nm, 0.6s, mb4.2, baz=355, slow=15, SNR=3.4, pP pP, 11 47 38.5 -1.3

STKA Stephens Creek, 57.87 159 P P, 11 47 51.0 -1.8, KIV Kislovodsk, 66.32 307 eP P, 11 48 49.6 +0.5, KIV comp=Z, 6.0nm, 0.7s, mb4.7, pmax pmax, 11 48 49.6 +0.5

KIV comp=E, 32nm, 17.0s, MLR MLR, KIV comp=Z, 3.9nm, 17.0s, MS3.6, MLR MLR, 11 49 12.3 -2.1

ILAR Eielson Array, 70.45 27 P P, 11 49 12.3 -2.1, ARCS ARCES Array B, 70.72 338 P P, 11 49 15.1 -0.9

FINES FINESS Array B, 72.52 330 P P, 11 49 26.5 -0.4, AKASA Malin Array B, 73.78 319 P P, 11 49 33.4 -1.0

BRTR Keskin Array B, 73.86 307 P P, 11 49 33.7 -1.4, MLR Muntele Rosu, 77.48 314 LR LR, 12 29 09.9

NOA NORARS Array B, 79.33 332 P P, 11 50 04.9 -0.6, NOA NORARS Array B, 79.33 332 P P, 11 50 04.9 -0.6, NOA comp=Z, 5.0nm, 1.0s, mb4.4, baz=61, slow=5.3, P P, 11 50 04.0 -1.4

NOA comp=Z, 2.3nm, 0.8s, mb4.2, baz=62, slow=5.3, SNR=4.7, LR LR, NOA comp=Z, 6.4nm, 18.9s, MS4.0, baz=60, slow=38, LR LR, OJC Ojoc, 79.61 320 eP P, 11 50 07.7 +0.7

NIE Niedzica, 79.61 319 eP P, 11 50 09.0 +1.9, GERES GERES Array B, 83.78 321 P P, 11 50 29.5 +0.6

GYA Yellowknife Arr, 84.24 23 P P, 11 50 30.0 -0.8, DBIC Dimbokro, 119.52 297 PKP PKPdf, 11 56 50.5 -2.8

SDV Santo Domingo, 146.45 21 PKPbc PKPbc, 11 57 41.4 +1.1, SDV comp=Z, 8.3nm, 0.3s, baz=337, slow=2.6, SNR=36, LR LR, 11 41 00.3 -2.0

JOW comp=E, 2.1nm, 0.3s, baz=282, slow=19, SNR=2.5, P P, 11 39 49.7 -3.7, QIZ Qiongzong, 11.13 257 LR LR, 11 40 40.8 -0.5

QIZ comp=N, 451nm, 16.0s, LR LR, QIZ comp=E, 569nm, 15.2s, LR LR, QIZ comp=Z, 632nm, 15.4s, LR LR

GYA Guiyang, 13.56 288 P P, 11 41 12.0 -1.7, GYA comp=N, 170nm, 10.0s, LR LR, GYA comp=E, 440nm, 9.9s, LR LR

GYA comp=Z, 440nm, 8.9s, LR LR, NIED 06 11:39:00, 24.90N, 122.20E, h5km, Mw4.3, Best double couple: M2.8x10^15 NP1, 183, 183, 183, 183, 183, -155, NP2: 0.90, 0.66, 1.7, 7

IDC 06 11:39:24.4, 1.0, 25.02N-122.55E, mb4.0/9, mb1 4.1/9, mb1mx3.9/21, Error ellipse: s-maj=46.6km s-min=17.9km az=65.0

JMA 06 11:39:26.3, 0.5, 24.95N-122.18E, h2km, Mw4.3, TAP 06 11:39:27.9, 24.98N-122.18E, h15km, 1km, ML4.2

ISC 06 11:39:25.4, 1.8, 24.82N-101.122, 08E, 0.09, h15km, 13km, n16, r061/20, mb3.9/9, Taiwan region

Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Includes stations like YOJ Yonaguni jima, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IRIF Iriomote-Funau, HATJ Hateruma jima, KURO Kuro-shima, etc.

NEIC 06 11:43:10.7, 0.9, 15.37S:69.24W, h294km, 9km, mb4.2/3, Error ellipse: s-maj=18.6km s-min=13.3km az=57.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LAZ La Paz, LVC Limon Verde, CPUP Villa Florida, etc.

NIED 06 11:43:00.29, 80N, 140.60E, h320km, Mw4.7 Best double couple: Mb1.29x10^16 NP1a332E, 352E, 121E. NP2: 3.108E 347E, 1.567E

JMA 06 11:43:49.7, 0.1, 29.83N:140.57E, h207km, M3.7, Southeast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CBIJ Chichi jima, BS03 Boso 3, BS04 Boso 4, etc.

ICD 06 12:11:18.4, 5.1, 8.06S:159.60E, mb3.9/5, mb1 4.1/5, mb1mx3.9/14, Error ellipse: s-maj=135.0km s-min=33.6km az=112.0, Bougainville - Solomon Islands region

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

HLW 06 12:13:51.6, 29.50N:132.53E, h25km, Mb3.4, GII 06 12:13:52.1, 0.4, 29.49N:132.52E, h25km, 30km, ML3.6/7, Mw3.3/4

SNSN 06 12:14:05.2, 29.07N:133.70E, h19km, M1.0, ISC 06 12:13:50.0, 3.29, 29.50N:0.03, 32.59E:0.03, h25km, n40, 0.63/43, 19C-1D, Egypt

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ZAF Zafar, ZNM ZNM, SUZ Suz, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KMTI Karmit, MBH Mount Berech, EIL Eilat, etc.

NEIC 06 12:19:13.4, 38.38N:13.67E, h5km, mb4.3/1, MD3.6(ROM), ML3.6(LDG), After ROM

ROM 06 12:19:13.3, 0.1, 38.38N:13.67E, h5km, MD3.6/18, ML3.3, Error ellipse: s-maj=1.4km s-min=1.3km az=90.0

ICD 06 12:19:14.0, 1.4, 38.38N:13.94E, mb3.5/7, mb1 3.8/11, mb1mx3.7/25, ML4.0/3, Error ellipse: s-maj=43.2km s-min=12.9km az=78.0

LDG 06 12:19:14.8, 0.2, 38.29N:13.60E, h10km, M3.6/4, ms2.6/6, Error ellipse: s-maj=7.7km s-min=5.0km az=33.0

ISC 06 12:19:12.6, 0.5, 38.44N:0.03, 13.64E:0.04, h10km, 4km, n76, c126/87, mb3.6/7, Sicily

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like USI Ustica, UST Ustica, GIB Gibilmanna, etc.

FAYR Favara, ECTS Castiglione, ACTA Castiglione, ESPC Serra Pizzuta, MMEG Mongiuffi-Meli, ATN Antonamare

ATN Antonamare, MSRU Motta San Giovanni, MTG Motta San Giovanni, SSS Sortino, SSS Sortino, SSS Sortino

PZI Palazzolo, PZI Palazzolo, PZI Palazzolo, PZI Palazzolo, PZI Palazzolo

GOI Morigerati, MGR Morigerati, MGR Morigerati, MGR Morigerati, MGR Morigerati

TDS Terranova Siba, SGO Sicignano, SGO Sicignano, SGO Sicignano, SGO Sicignano

SLCN Sala Consiliina, SLCN Sala Consiliina, SLCN Sala Consiliina, SLCN Sala Consiliina, SLCN Sala Consiliina

MRLO Muro Lucano, MRLO Muro Lucano, MRLO Muro Lucano, MRLO Muro Lucano, MRLO Muro Lucano

SGG Gregorio Mates, SGG Gregorio Mates, SGG Gregorio Mates, SGG Gregorio Mates, SGG Gregorio Mates

PGF Pioggia, PGF Pioggia, PGF Pioggia, PGF Pioggia, PGF Pioggia

SBF Sospel, SBF Sospel, SBF Sospel, SBF Sospel, SBF Sospel

LMR La Moutre, LMR La Moutre, LMR La Moutre, LMR La Moutre, LMR La Moutre

DAVOX Davos, DAVOX Davos, DAVOX Davos, DAVOX Davos, DAVOX Davos

GERES GERES Array B, GERES GERES Array B, GERES GERES Array B, GERES GERES Array B, GERES GERES Array B

STU Stuttgart, STU Stuttgart, STU Stuttgart, STU Stuttgart, STU Stuttgart

MLR Muntele Rosu, MLR Muntele Rosu, MLR Muntele Rosu, MLR Muntele Rosu, MLR Muntele Rosu

EKA Eskdalemuir Arr, EKA Eskdalemuir Arr, EKA Eskdalemuir Arr, EKA Eskdalemuir Arr, EKA Eskdalemuir Arr

HFS Hefo, HFS Hefo, HFS Hefo, HFS Hefo, HFS Hefo

NOA NORPAR Array B, NOA NORPAR Array B, NOA NORPAR Array B, NOA NORPAR Array B, NOA NORPAR Array B

FINES FINES Array B, FINES FINES Array B, FINES FINES Array B, FINES FINES Array B, FINES FINES Array B

ICD 06 12:19:59.0, 0.8, 18.78S:169.60E, h270km, 7km, mb4.5/19, mb1 4.7/19, mb1mx4.7/20, Error ellipse: s-maj=11.1km s-min=9.8km az=173.0

NEIC 06 12:20:00.1, 0.1, 18.76S:169.53E, mb4.8/41, Error ellipse: s-maj=6.5km s-min=3.7km az=139.0

SYO 06 12:20:00.1, 18.76S:169.53E, h271km, MB4.8, ISC 06 12:20:00.1, 0.5, 18.74S:0.04, 169.44E:0.05, h281km, 5km, h265km, 4, 0km, p-P, N201, c084/179, mb4.8/56, 11C-13D, Vanuatu Islands

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

CTA Charters Tower, CTA Charters Tower, CTA Charters Tower, CTA Charters Tower, CTA Charters Tower

CTA Charters Tower, CTA Charters Tower, CTA Charters Tower, CTA Charters Tower, CTA Charters Tower

CTAO Charters Tower, CTAO Charters Tower, CTAO Charters Tower, CTAO Charters Tower, CTAO Charters Tower

PWZ Pawanui, PWZ Pawanui, PWZ Pawanui, PWZ Pawanui, PWZ Pawanui

THZ Tophouse, THZ Tophouse, THZ Tophouse, THZ Tophouse, THZ Tophouse

PMG Port Moresby, PMG Port Moresby, PMG Port Moresby, PMG Port Moresby, PMG Port Moresby

CNB Canberra Magne, CNB Canberra Magne, CNB Canberra Magne, CNB Canberra Magne, CNB Canberra Magne

RPZ Rapa, RPZ Rapa, RPZ Rapa, RPZ Rapa, RPZ Rapa

TOO Toolangi, TOO Toolangi, TOO Toolangi, TOO Toolangi, TOO Toolangi

STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek

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6d 12h

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like OMM Old Mammoth, WCN Washoe City, HBO Huckleberry Mo, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like KHC Kasperke Hory, GRES GRESS Array B, GRA1 Grafenberg Arr, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like JOF Joensuu, INK Inuvik, SOMN Songo Array, etc.



6d 15h

Table containing station names, codes, coordinates, and other data for stations in the 6d 15h region. Includes stations like ZAK, ZAK, ZAK, ZAK, etc.

2004 JUL

Main table of station data for July 2004, listing station names, codes, coordinates, and various parameters. Includes stations like ILAR, ILAR, ILAR, KIV, etc.

Table of station data for the Indonesian region, listing station names, codes, coordinates, and various parameters. Includes stations like mb2 8/3, mb1 3 0/4, mb1mx2 9/16, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like DBIC, TSUM, BDFB, SUR, LBTB, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like PVCC, SYO, MOC, DPC, MLR, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like VNA2, NVAR, FINES, LIC, etc.

Additional text and data for the 16 15h section, including station names and coordinates.

6d 15h

2004 JUL

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Rows include stations like DLMR Dylm, DBC Dubki, KRNK Karany, BUJR Buynaks, MAK Makhachkala, GNBR Gunib, DUS Dusheti, MNSR Manas, TIZ Plekhanov, TBGL Delisi, MTA Mitsmina, KIV Kislovodsk, GOF Gofitskoye, AKT Akhty, STE Stepanavan, VAD Vardenisi, GNI Garni, SOC Sochi, ANN Anapa, MALT Malaty, BRTR Keskin Array B, AB31 Akbulak array, OBN Obninsk, AKASG Malin Array Be, AKASG Malin Array Be, MRL Muntele Rosu, ARU Arti, ARU Kwarria, SUW Suwalki, KK31 Karatay Array, BRVK Borovoye, BVAO Borovoye Array B, BVAO Borovoye Array B, VOK Borovoye Array B, BSK Borovoye Array B, VOSK Voschnayay, CHKZ Chkalovo, CHKZ Chkalovo, CHKZ Chkalovo, FINESS FINESS Array B, FINESS FINESS Array B, GERES GERES Array B, GERES GERES Array B, MOX Moxa, MOX Moxa, HFS Hagfros, HFS Hagfros, TBGL TBGL, MTA MTA, KIV KIV, GOF GOF, AKT AKT, STE STE, VAD VAD, GNI GNI, SOC SOC, ANN ANN, MALT MALT, BRTR BRTR, AB31 AB31, OBN OBN, AKASG AKASG, MRL MRL, ARU ARU, ARU ARU, SUW SUW, KK31 KK31, BRVK BRVK, BVAO BVAO, BVAO BVAO, VOK VOK, BSK BSK, VOSK VOSK, CHKZ CHKZ, CHKZ CHKZ, CHKZ CHKZ, FINESS FINESS, FINESS FINESS, GERES GERES, GERES GERES, MOX MOX, MOX MOX, HFS HFS, HFS HFS.

Table with columns: MKAR, ARCES, CMAR, DBIC, LIC, KIC, TIC, DBIC, DBIC, TSUM, BDFB, SDRF, LBTB, LSZ, CPUP, CPUP, LPA, TROA, KMBO, KMBO, ESDC, ESDC, LPAZ, LPAZ, LVC, PCRV, ETSF, SJP, MTLF, PLCA, PLCA, LASF, LFF, FRF, SMRF, CAF, RJF, RJF, SBF, VIVF, LBL, ORIF, VNA1, VNA1, BNI, AGO, TCF, VNA3, VNA3, LPGA. Rows include stations like Makanchi Array, ARCESS Array B, Chiang Mai Arr, Dimbokro, Lamto, Kosar Bokla, Toumudi, Dimbokro, Tsumeb, Brasilia, Sutherland, Lobatse, Lusaka, Villa Florida, Villa Florida, La Plata, Torquist, Kilima Mbojo, Kilima Mbojo, Sonseca Array, La Paz, La Paz, Limon Verde, Puerto La Cruz, Etsaut, Montolioe, Paso Flores, Paso Flores, Ste Croix, La Frestale, La Foret Royal, Simiane la Rot, Catic, Les Rejaudoux, Anoyia, Saint Martin, Neumayer-Stat, Neumayer-Stat, Petit Puy Mans, Montbardon, Anoyia, Saint Martin, Neumayer-Watz, Neumayer-Watz, Barancch, Saint Agoulin, Toulix Ste Croix, Neumayer Olymp, Neumayer Olymp, La Plagne.

Table with columns: LPL, BGF, SMF, AVF, SNA, SSF, ROSE, SGFM, CABF, USHA, LOR, LOR, GRR, MAIT, LDF, LOMF, BBS, DAVOX, HAU, HAU, MOF, MTR, MEZF, LANGEN, FELF, ECH, LIBD, WLSB, ROSC, BFO, BFO, LANF, BAIF, GIVF, KTD, RUP, TOD, GRF, GRA1, GRF, GRF, WET, WET, WET, GE2, GE2, GE2, GERES, GERES, ASF, KHC, KHC, KHC, OTAV, NK, NK, NK, NK, MOX, MOX, MOX, PRU, SYO, CLZ, PVCC, MORC, DPC, DPC, OKC, OKC, BRTR, NIE, OJC, KWP, MALT, AKASG, MAW, MAW, MAW, HFS, HFS, NOA, NOA, NOA, NOA, KIV, KIV, GOF, GOF, GOF, GOF, ARCES, ARCES.



Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for SUMG Summit, MIR Mirny, VDA Vanda, etc.

WEL 06 15:32:42.5-0.6, 45.24S-166.72E, h12km, ML3.5/7, 1D. Error ellipse: s-maj=5.0km s-min=2.0km az=90.0, Off west coast of South Island

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for DCZ Deep Cove, MSZ Milford Sound, etc.

IDC 06 16:10:16.1-1.1, 49.56S-117.36E, mb3.9/5, mb1 4.2/6, mb1mx4.0/11, ML2.5/1, Error ellipse: s-maj=45.7km s-min=21.8km az=107.0

ISC 06 16:10:15.7-0.9, 49.75S-117.5E, 0.4, h10km, n9, c0594/8, mb3.9/6, 1D, Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for NWAO Naroongi, ASAR Alice Springs, etc.

IDC 06 16:32:00.3-1.6, 3.23N-129.10E, mb3.9/6, mb1 4.1/6, mb1mx3.9/16, Error ellipse: s-maj=69.5km s-min=17.1km az=65.0

ISC 06 16:32:24.8-6.3, 2.8N-0.3, 128.7E-0.5, h238km, g2km, n10, c0550/10, mb3.8/5, 1C-1D, Halmahera

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for KAKA Kakadu, FITZ Fitzroy Crossi, etc.

JMA 06 16:57:00.3-0.2, 43.69N-147.79E, h8km, M3.8, Kuril Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for NEM2 Nemuro 2, JRA Rausu, JNK Nakash, etc.

IDC 06 17:04:28.2-0.9, 59.31S-158.79E, mb4.2/6, mb1 4.3/8, mb1mx4.3/12, ML3.5/2, MS4.3/8, Ms1 4.3/8, ms1mx4.0/16, Error ellipse: s-maj=33.1km s-min=21.7km az=95.0

NEIC 06 17:04:29.0-0.5, 29.0S-149.76E, h10km, Error ellipse: s-maj=19.6km s-min=10.3km az=97.0

ISC 06 17:04:27.6-7.6, 59.25S-107.158E-0.4, h2km, 51km, n26, c0598/17, mb4.1/6, MS4.3/6, 3C, Macquarie Island region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for AXZ Alexandra, RPZ Rata Peaks, etc.

NEIC 06 17:25:59.7-1.1, 19.02S-69.36W, h120km, g9km, Error ellipse: s-maj=22.3km s-min=10.0km az=100.0

IDC 06 17:25:59.6-1.9, 19.07S-69.31W, h117km, 17km, mb3.8/4, mb1 3.9/6, mb1mx3.6/17, Error ellipse: s-maj=33.9km s-min=14.5km az=101.0

ISC 06 17:25:59.1-1.4, 19.06S-0.08, 69.3W-0.2, h126km, 12km, n10, c1915/8, mb4.0/3, Northern Chile

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for LPAZ La Paz, LVC Limon Verde, etc.

WEL 06 17:57:05.7-0.4, 36.22S-179.03E, h144km, g3km, ML3.8/2, Error ellipse: s-maj=4.4km s-min=4.4km az=90.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for MXZ Matakaoa Point, PUZ Puketiti, etc.

IDC 06 17:57:07.1-1.4, 36.04N-29.18E, mb3.7/4, mb1 3.8/9, mb1mx3.7/21, ML3.7/5, Error ellipse: s-maj=30.3km s-min=19.6km az=21.0, Putative timing error at ELL

NEIC 06 17:57:10.9-1.2, 36.09N-29.01E, h14km, 10km, MD3.8(A), ML3.9(NIC), ML3.9(ISK), Error ellipse: s-maj=5.7km s-min=3.6km az=208.0

ATH 06 17:57:10.8, 36.17N-29.05E, h30km, 3km, MD3.8/12, NIC 06 17:57:12.7-0.3, 36.27N-29.13E, h61km, mb4.3, ML3.9, MWV3.5

ISK 06 17:57:13.9, 36.46N-28.99E, h15km, MD3.7

ISC 06 17:57:10.7-0.2, 36.06N-0.02, 29.06E-0.02, h30km, n94, c1923/11, mb4.1/7, 5C-8D, Turkey

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for KSL Kastellorizo, ARG Arkhangelos, etc.

ISC 06 17:57:12.9, 36.46N-28.99E, h15km, MD3.7

ISC 06 17:57:10.7-0.2, 36.06N-0.02, 29.06E-0.02, h30km, n94, c1923/11, mb4.1/7, 5C-8D, Turkey

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for ALFC Alevega, ALFC Alevega, etc.

ISC 06 17:57:12.9, 36.46N-28.99E, h15km, MD3.7

ISC 06 17:57:10.7-0.2, 36.06N-0.02, 29.06E-0.02, h30km, n94, c1923/11, mb4.1/7, 5C-8D, Turkey

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for YLV Yalova, ANTO Ankara, etc.

ISC 06 17:57:12.9, 36.46N-28.99E, h15km, MD3.7

ISC 06 17:57:10.7-0.2, 36.06N-0.02, 29.06E-0.02, h30km, n94, c1923/11, mb4.1/7, 5C-8D, Turkey

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for JFNS Fines Finestrass, MKAR Makanchi Array, etc.

LDG 06 18:04:20.5-0.0, 45.96N-2.80E, h7km, Md1.8/2, Mi2.1/9, Error ellipse: s-maj=0.9km s-min=0.6km az=104.0

STR 06 18:04:20.6-0.3, 45.95N-2.83E, h5km, 1km, Mi2.0, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

ISC 06 18:04:19.0-0.4, 45.96N-0.02, 2.80E-0.03, h7km, n16, c1501/29, France

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes entries for AGO Saint Agoulin, PYM Petit Puy Mars, etc.

6D 19h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BGF, LBL, LBL, AVF, SMF, RJF, RJF, CAF, CAF, SSF, HYF, LOR, LOR, VIVF, LASF, MFF.

CASC 06 18:08.10.7, 11.12N-86.96W, h27km, 18km, MD3.9, 1D, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like COPN, TIGN, XAVN, PYN, LEON, MIRN, MOMJ, MCMJ, CRZC, CONN, CNNG, TEL3, VCR, JCR, LAJ, LCR2.

LDG 06 18:24.57.10.4, 14.59Sx167.62E, h10km, Error ellipse: s-maj=68.4km s-min=10.3km az=91.0

ISC 06 18:25:07.3, 2.9, 15.52Sx167.61E, h110km, 23km, mb4.1/12, mb1.4, 3/12, mb1mx4.2/17, Error ellipse: s-maj=25.5km s-min=17.3km az=127.0

NEIC 06 18:25:09.1, 1.9, 15.43Sx167.49E, h125km, 17km, mb4.5/10, Error ellipse: s-maj=16.2km s-min=12.6km az=172.0

ISC 06 18:25:09.6, 1.4, 15.56Sx09.167.4E, 0.1, h141km, 13km, n63, f102/34, mb4.4, 16, 5C-1D, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BKM, DZM, NOUC, NOUC, NOUC, CTA, CTA, CTA, CNB, STKA, STKA, WB2, WRA, WRA, WRA, AS12, ASAR, ASAR, KAKA, FORT, FITZ, FITZ, KLBZ, VDA, VDA, SBA, ASAJ, QSPA, CMAR, YAK, SONM, ILAR, NVAR, MKAR, ARCES, JOF, FINES, FINES, HAU, CABF, CLN, LDF, LOR, SSF, GRR, LPL, LPL, SMF, SMF, BGFM, MBDF, QUIF.

2004 JUL

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ORIF, TCF, SBF, PGF, MFF, FRF, SMRF, LMR, RJF, CAF, LASF, LTF, MFF.

CASC 06 18:49:58.2, 2.1, 10.48Nx85.94W, h4km, 9km, MD3.6, ML3.6

ISC 06 18:49:57.5, 1.2, 10.48N, 0.04, 86.00W, 0.06, h3km, 7km, n14, f097/20, 3C-1D, Costa Rica

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VCR, CRZC, CRZC, JCR, JCR, CONN, APON, CRZC, CGA2, WILN, WILN, PRS1, VPS2, VOPN, LAJ, LCR2, TRTC.

NEIC 06 19:05:52.3, 1.2, 16.59Sx73.29W, h81km, 13km, Error ellipse: s-maj=20.1km s-min=12.2km az=53.0

ISC 06 19:05:54.1, 1.7, 16.85Sx73.10W, h93km, 41km, mb3.9/3, mb1.9, 9/5, mb1mx3.6/18, Mb3.0/2, Mb1.3, 0/2, ms1mx2.7/24, Error ellipse: s-maj=19.0km s-min=12.5km az=92.0

ISC 06 19:05:50.2, 1.5, 16.66S, 0.10, 73.3W, 0.1, h64km, 20km, n10, f120/10, mb4.0/3, Near coast of Peru

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LPAZ, NNA, NNA, LVC, LVC, LVC, LVC, PLCA, BDFB, SDV, ASAR, WRA.

ISC 06 19:21:52.9, 9.39N, 39.17E, h9km, MD3.6

ISC 06 19:21:53.0, 9.39N, 39.19E, 0.09, h15km, 14km, n15, f080/19, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KELT, GUMT, GUMT, EZC, BINI, ELZG, ELZG, SVSK, SVST, SVST, MYA, MAI, TOKT, BTMT, BNN, GZT, NIQ, KAMT.

NEIC 06 19:24:40.8, 38.39S, 178.28E, h29km, ML3.9(WEL), After WEL

WEL 06 19:24:40.6, 0.2, 38.38Sx178.27E, h25km, 1km, ML1.6, 5C-7D, Error ellipse: s-maj=1.8km s-min=1.2km az=90.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KUZ, KUZ, BFZ, WAFZ, MRZ, MTW, MTW, KIWI, KIWI, CANNON, MRW, TUWZ, NNZ, NNZ, ORZ, LTZ, MQZ.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KUZ, KUZ, BFZ, WAFZ, MRZ, MTW, MTW, KIWI, KIWI, CANNON, MRW, TUWZ, NNZ, NNZ, ORZ, LTZ, MQZ.

ISK 06 19:24:41.9, 38.59N, 31.34E, h5km, MD3.5

ISC 06 19:24:42.1, 3.7, 38.53N, 31.19E, mb3.4/1, mb1.3, 5/4, mb1mx3.2/20, ML3.3/3, Error ellipse: s-maj=53.3km

ISC 06 19:24:42.0, 4.3, 38.59N, 0.03, 31.34E, 0.04, h5km, n27, f102/34, mb3.2/1, 1C, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KIZT, ISF, ESKT, ESKT, KONT, ALT, KHL, ANTO, LOD, ANTB, HDMB, MDUM, KAMT, KAMT, DNZL, DNZL, SGKT, SGKT, BRTR, BRTR, ELL, MANT, MANT, ULDT, ULDT, ORHL, ORHL, VLV, VLV, NIG, YER, MLR, AKAS, MKAR.

INMG 06 19:25:14.5, 1.5, 38.55N, 7.36W, h12km, 5km, ML1.8, Error ellipse: s-maj=3.1km s-min=2.3km az=98.0

MDD 06 19:25:14.3, 0.3, 38.57N, 7.36W, h12km, 2km, mbLg2.0/13, Error ellipse: s-maj=3.7km s-min=2.1km az=141.0, PRXIMO

ISC 06 19:25:12.2, 0.6, 38.57N, 0.03, 7.32W, 0.04, h4km, 6km, n21, f089/24, 1C, Portugal

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EBAD, EBAD, PBEJ, PBEJ, PBEJ, MOE, MOE, EMIN, EGRO, EGRO, PALC, PALC, PALC, PCBR, PCBR, PCBR, PTOM, PTOM, PTOM, PTEO, PTEO, ECAB, ECAB, ECAB, EHOR, EHOR, EHOR, MTE, MTE, EADA, EADA, EADA, EQES.

DJA 06 19:38:18.1, 1.1, 11.70Sx120.31E, h115km, 208km, MD4.7/3, ML5.0/2, Error ellipse: s-maj=288.6km s-min=42.1km az=29.0

ISC 06 19:38:19.1, 1.6, 10.36Sx120.52E, mb4.1/3, mb1.4, 2/6, mb1mx3.9/14, ML3.3/3, Error ellipse: s-maj=117.0km s-min=21.5km az=55.0

NEIC 06 19:38:23.6, 4.0, 10.42S, 120.51E, h28km, 34km, Error ellipse: s-maj=30.5km s-min=7.6km az=212.0

ISC 06 19:38:23.0, 1.2, 10.8S, 0.1, 120.3E, 0.10, h63km, 18km, n16, f093/29, mb4.1/3, 1D, Suba region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DJA, EQES.



6d 22h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Limon Verde, Paso Flores, NNA Nana, TRQA Torquato, etc.

IDC 06 20:32:59.0, 1.5, 50.025x119.87E, mb3.8/4, mb1 4.0/4, mb1mx3.9/10, MS3.4/5, M1 3.4/5, ms1mx3.9/15, Error ellipse: s-maj=54.1km s-min=27.4km az=91.0, ISC 06 20:32:58.2, 1.4, 50.151x120.219.7E, 0.5, h10km, n7, az=159.4, mb3.7/4, MS3.3/4, Western Indian-Antarctic Ridge

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

IDC 06 20:36:12.9, 1.5, 2.30S, 127.90E, mb4.3/4, mb1 4.5/6, mb1mx4.1/17, ML4.3/2, Error ellipse: s-maj=69.5km s-min=23.3km az=64.0, ISC 06 20:36:12.6, 3.0, 2.35S, 0.1, 127.9E, 0.2, h12km, 20km, n12, az=84/15, mb4.5/6, Ceram Sea

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

IDC 06 20:47:44.8, 2.2, 32.99Sx179.18W, mb3.6/2, mb1 3.9/3, mb1mx3.7/14, ML3.9/1, Error ellipse: s-maj=61.2km s-min=41.3km az=129.0, ISC 06 20:47:48.6, 2.3, 32.26S, 0.08, 179.3W, 0.4, h3km, n10, az=87/10, mb3.4/2, South of Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PUZ Puketiti, MATAWAI Matawai, URZ Urewera, etc.

RSPR 06 21:13:41.2, 18.45N, 67.89W, h76km±19km, MD4.1/11, MD4.1/11, 8C-4D, Mona Passage

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDE Isla Descecho, LSP Las Mesas, MGP Maguayo, etc.

IDC 06 21:23:56.9, 2.8, 50.50Sx119.21E, mb3.8/4, mb1 4.0/4, mb1mx3.8/10, MS4.0/2, M1 4.0/2, ms1mx3.9/6, Error ellipse: s-maj=63.2km s-min=50.8km az=166.0, Western Indian-Antarctic Ridge

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

2004 JUL

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PDAR Pinedale Array, BJI Beijing, etc.

IDC 06 21:25:07.8, 50.00Sx119.80E, h10km, mb5.2, mb4.9, MS7, MS4.4, IDC 06 21:25:08.3, 0.7, 50.07Sx119.73E, mb4.4/10, mb1 4.5/10, mb1mx4.5/13, MS4.5/7, M1 4.5/7, ms1mx4.4/8, Error ellipse: s-maj=28.2km s-min=18.9km az=117.0, HRVD 06 21:25:09.0, 0.4, 50.15Sx119.97E, h12km, MW5.1/51, Centroid moment tensor solution. LP body waves: s27, c37, Mantle waves: s51, c89; Half duration: 0 Moment tensor: Scale 1016Nm; M1: 4.4, 1.6; M2: 4.2, 1.2; M3: 0.17, 1.7; M4: 0.68, 3.8; M5: 1.29, 1.2; M6: 1.45, 5.3; Best double couple: M4: 79x1016 Np1: 272, 840, 7, 112; NP2: 20, 855, 7, 72; Principal axes: T: 4.74, 16m, 14zm, 199; N: 1, 1; P: 1474; Azm290; P: 4.84, P1g74; Azm83; nst1 refers to body waves, cutoff=50s, nst2 refers to surface waves, cutoff=50s.

NEIC 06 21:25:09.0, 0.2, 50.05Sx119.76E, h10km, mb5.0/12, MS4.6/3, Error ellipse: s-maj=10.4km s-min=6.5km az=107.0, ISC 06 21:25:08.1, 0.4, 50.09Sx107.119.9E, 0.2, h10km, (h28km, 4, 2km; pP-P), n82, c087/51, mb4.9/27, MS4.4/13, 4C-7D, Western Indian-Antarctic Ridge

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

IDC 06 21:29:19.4, 1.0, 50.03Sx119.66E, mb4.2/8, mb1 4.3/8, mb1mx4.2/12, Error ellipse: s-maj=35.1km s-min=22.7km az=101.0, NEIC 06 21:29:20.2, 0.4, 50.08Sx119.64E, h10km, mb4.5/4, Error ellipse: s-maj=22.5km s-min=10.4km az=105.0, ISC 06 21:29:19.3, 0.6, 50.03S, 0.09, 119.6E, 0.3, h10km, n36, az=139/22, mb4.2/10, 8C, Western Indian-Antarctic Ridge

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

IDC 06 21:30:11.6, 1.5, 50.03Sx119.66E, mb4.2/8, mb1 4.3/8, mb1mx4.2/12, Error ellipse: s-maj=35.1km s-min=22.7km az=101.0, NEIC 06 21:30:11.6, 1.5, 50.03Sx119.66E, h10km, mb4.5/4, Error ellipse: s-maj=22.5km s-min=10.4km az=105.0, ISC 06 21:30:11.6, 1.5, 50.03S, 0.09, 119.6E, 0.3, h10km, n36, az=139/22, mb4.2/10, 8C, Western Indian-Antarctic Ridge

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

IDC 06 21:30:11.6, 1.5, 50.03Sx119.66E, mb4.2/8, mb1 4.3/8, mb1mx4.2/12, Error ellipse: s-maj=35.1km s-min=22.7km az=101.0, NEIC 06 21:30:11.6, 1.5, 50.03Sx119.66E, h10km, mb4.5/4, Error ellipse: s-maj=22.5km s-min=10.4km az=105.0, ISC 06 21:30:11.6, 1.5, 50.03S, 0.09, 119.6E, 0.3, h10km, n36, az=139/22, mb4.2/10, 8C, Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CD2 Chengdu, TSM Tsumeb, PKI Pulchoki, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LZH Paso Flores, BJI Beijing, etc.

IDC 06 21:29:19.4, 1.0, 50.03Sx119.66E, mb4.2/8, mb1 4.3/8, mb1mx4.2/12, Error ellipse: s-maj=35.1km s-min=22.7km az=101.0, NEIC 06 21:29:20.2, 0.4, 50.08Sx119.64E, h10km, mb4.5/4, Error ellipse: s-maj=22.5km s-min=10.4km az=105.0, ISC 06 21:29:19.3, 0.6, 50.03S, 0.09, 119.6E, 0.3, h10km, n36, az=139/22, mb4.2/10, 8C, Western Indian-Antarctic Ridge

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

IDC 06 21:30:11.6, 1.5, 50.03Sx119.66E, mb4.2/8, mb1 4.3/8, mb1mx4.2/12, Error ellipse: s-maj=35.1km s-min=22.7km az=101.0, NEIC 06 21:30:11.6, 1.5, 50.03Sx119.66E, h10km, mb4.5/4, Error ellipse: s-maj=22.5km s-min=10.4km az=105.0, ISC 06 21:30:11.6, 1.5, 50.03S, 0.09, 119.6E, 0.3, h10km, n36, az=139/22, mb4.2/10, 8C, Western Indian-Antarctic Ridge

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

IDC 06 21:30:11.6, 1.5, 50.03Sx119.66E, mb4.2/8, mb1 4.3/8, mb1mx4.2/12, Error ellipse: s-maj=35.1km s-min=22.7km az=101.0, NEIC 06 21:30:11.6, 1.5, 50.03Sx119.66E, h10km, mb4.5/4, Error ellipse: s-maj=22.5km s-min=10.4km az=105.0, ISC 06 21:30:11.6, 1.5, 50.03S, 0.09, 119.6E, 0.3, h10km, n36, az=139/22, mb4.2/10, 8C, Western Indian-Antarctic Ridge

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

Table with columns: AGG, VLS, GRG, AGG, VLS, GRG, AGG, VLS, GRG. Rows include Agios Georgios, Valsamata, Griva.

NEIC 06 22:58:21.9,0.5, 5.15S, 154.00E, mb4.4/8, Error ellipse: s-maj=14.2km s-min=7.8km az=103.0

ISC 06 22:58:21.9, 1.2, 5.18S, 154.08E, h12km, mb3.9/9, mb1 4.0/11, mb1mx2.0/15, MS2.8/1, Ms1 2.8/1, ms1mx2.7/18, Error ellipse: s-maj=26.1km s-min=15.2km az=102.0

ISC 06 22:58:22.7, 3.6, 5.2S, 0.1, 154.0E, h131km, n24m, n45, n65/25, mb4.3/17, New Ireland region

Main table for NEIC and ISC events, listing station names, times, and residuals.

Main table for 2004 JUL events, listing station names, times, and residuals.

BUI 07 00:19:25.7, 37.93N, 73.94E, h125km, mb4.0

NEIC 07 00:19:28.6, 1.4, 38.17N, 73.85E, h120km, mb4.5/9, Error ellipse: s-maj=12.5km s-min=8.5km az=55.0

MOS 07 00:19:32.0, 1.3, 38.56N, 73.75E, h151km, mb4.0/13, Error ellipse: s-maj=17.3km s-min=8.1km az=105.1

ISC 07 00:19:29.5, 0.3, 38.27N, 0.2, 73.87E, h148km, mb5km, n92, c1915/104, mb3.8/17, 4C-4D, Tajikistan-Xinjiang border region

Main table for BUI, NEIC, MOS, and ISC events, listing station names, times, and residuals.

Main table for 7d 0h events, listing station names, times, and residuals.

JMA 07 00:35:35.9, 0.4, 24.91N, 122.07E, h32km, M3.1 TAP 07 00:35:36.9, 24.94N, 122.02E, h1km, ML3.5, Taiwan regio

WEL 07 00:39:12.2±1.1, 38.275±176.09E, h187km, 11km, ML3.5/1, 3C-1D, Error ellipse: s-maj=32.1km s-min=15.3km az=90.0, North Island

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Includes stations like Urewera, Black Stump Fm, Malawai, Takapari Road, Mangatainaka R, Tuamarina, Nelson, Quartz Range, Kahutara.

IDC 07 00:46:49.2±2.5, 54.19N±57.65E, mb3.6/3, mb1 3.6/6, mb1mx3.4/2.1, ML3.6/3, Error ellipse: s-maj=70.0km s-min=33.4km az=21.0

NNC 07 00:46:58.8±2.5, 54.45N±58.92E, mpv3.3, Error ellipse: s-maj=22.7km s-min=8.4km az=133.0

MOS 07 00:46:58.0±3.1, 55.19N±58.79E, h22km, mb3.7/3, Error ellipse: s-maj=23.7km s-min=9.0km az=106.8

ISC 07 00:46:51.3±0.6, 54.76N±0.06±58.44E±0.08, h10km, n15, n1840/19, mb3.3/2, 4C-3D, Ural Mountains region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Includes stations like Arti, Solikamsk, Akbulak array, Malin Array B, Malin Array A, Fines, Arces, Hofs, NORSAR Array B.

THE 07 01:14:22.3, 40.16N±20.29E, h7km ATH 07 01:14:25.4, 40.10N±20.38E, h4km MD2.7/3

ISC 07 01:14:22.7±0.8, 40.15N±20.04±20.37E±0.05, h13km, 5km, n11, n15/20, 1C, Greece-Albania border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Includes stations like Leskovik, Sarande, Igoumenitsa, Kerkira, Janina, Metsovon, Florina, Levkas, Grgiva.

IDC 07 01:18:05.2±0.7, 6.72N±73.00W, h151km, 8km, mb3.4/5, mb1 3.8/10, mb1mx3.5/2.5, Error ellipse: s-maj=20.3km s-min=6.9km az=131.0

NEIC 07 01:18:06.2±0.6, 6.70N±72.97W, h162km, 7km, mb3.8/4, Error ellipse: s-maj=12.4km s-min=7.2km az=127.0

MUNV 07 01:18:06.9±0.6, 6.88N±73.04W, h167km, MW3.2

ISC 07 01:18:04.9±0.5, 6.79N±0.06±73.01W±0.06, h156km, 5km, n29, n1902/36, mb3.7/7, 5D, Northern Colombia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Includes stations like Capacho, El Vigia, El Rosal, Socops, Santo Domingo, Elorza, Villa del Rosa, Curarigua, Dabajuro, Siquisique, Otavalo, Puerto La Cruz, JuntasAbangare, San Juan.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Includes stations like LPAZ, TXAR, MNTX, SDCO, SCHO, PDAR, BGU, MCMT, YKA, ASAR, WRA, WRA, WRA, WRA.

IDC 07 02:09:59.6±1.5, 35.58N±140.20E, mb3.6/3, mb1 3.9/3, mb1mx3.5/2.1, Error ellipse: s-maj=48.9km s-min=33.4km az=102.0

NIED 07 02:10:00.36±20N±140.90E, h35km, Mw3.6 Best double couple: Mb3.09x10^14 Np1±358°, δ74°, λ82°. NP2±204°, δ18°, λ115°

JMA 07 02:10:00.2±0.1, 36.19N±140.93E, h44km, 1km, M3.6 Broadband fault plane solution: P waves, Np1±201°, δ13°, λ122°. NP2±348°, δ79°, λ83°. Principal axes: T P1g55°, Azm250°; N P1g7°, Azm350°; P P1g34°, Azm84°

JMA Felt J1. ISC 07 02:09:59.7±0.9, 36.23N±140.10E±0.08, h29km, 6km, n12, n67/19, mb3.6/3, 2C-4D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Includes stations like Hitachi, Choshi, Yasato, Iwakimizuishi, Kawachi, Ashikaga, Otama, Boso, Matsushiro, Malakanchi Array, Eielson Array, Warramunga Arr.

IDC 07 02:12:48.8±5.4, 6.63S±149.92E, mb3.3/3, mb1 3.6/3, mb1mx3.5/1.2, Error ellipse: s-maj=158.0km s-min=36.6km az=107.0, New Britain region

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

AUST 07 02:20:22.4, 31.53S±138.50E, h10km, ML2.6

IDC 07 02:20:23.0±5.9, 31.19S±138.95E, mb1 3.3/3, mb1mx3.2/1.0, ML2.8/3, Error ellipse: s-maj=131.0km s-min=17.8km az=32.0, South Australia

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

CASC 07 02:38:52.9±2.0, 13.66N±90.70W, h33km, gkm, MD3.6, ML3.4, 6C, Near coast of Guatemala

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Includes stations like Pacaya, Fuego 3, Las Nubes, El Retiro, Serv Nac Est T, El Faro, La Ceiba, Marmol, Conchagua.

NEIC 07 03:05:58.3, 37.96S±175.73E, h254km, After WEL. WEL 07 03:05:57.6±0.5, 37.93S±175.70E, h259km, 5km, ML4.1/5, 1C, Error ellipse: s-maj=7.8km s-min=7.5km az=0.0, North Island

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Includes stations like Urewera, Urewera, Ngauruhoe, Chateau, Chateau, Far West T-bar, Far West T-bar, Tukino, Tukino, Black Stump Fm, Black Stump Fm, Black Stump Fm, Waihanoa.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Includes stations like MOVZ, Maowhango, Matawai, Kokohu, Takapari Road, Wanganui, Wanganui, Puketiti, Puketiti, Takapari Road, Takapari Road, Pawanui, Mangatainaka R, Birch Farm, Birch Farm, Kapiti Island, Kapiti Island, Cannon Point, Cannon Point, Mount Morrison, Mount Morrison, Makara Radio, Makara Radio, South Karori, South Karori, Moikau Station, Baring Head, Baring Head, Nelson, Nelson, Quartz Range, Quartz Range, Blackbirch Sta, Blackbirch Sta, Topohue, Topohue, Topohue, Kahutara, Kahutara, Lake Taylor, Lake Taylor, McQueen's Vall, McQueen's Vall, McQueen's Vall, Waitaha Valley, Waitaha Valley.

NEIC 07 03:05:56.0±1.0, 27.48S±69.46W, h116km, 31km, mb4.1/2, Error ellipse: s-maj=27.8km s-min=13.4km az=85.0

NEIC Felt [V] at Copiapo. GUC 07 03:05:57.8±0.8, 27.41S±69.88W, h115km, ML4.4

ISC 07 03:05:55.2±0.7, 27.50S±0.05±69.4W±0.2, h104km, 25km, n7, n96/61/1, 2D, Northern Chile

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Includes stations like Copiapo, Vallenar, Vallenar, Cerro Paranal, Cerro Paranal, Farellones, Villa Florida, La Paz, Toruquai.

MAN 07 03:57:13.2, 7.35N±126.56E, h108km, mb4.5, ML3.4, M3.3

IDC 07 03:57:20.0±4.2, 7.52N±126.66E, h206km, 42km, mb3.4/9, mb1 3.5/10, mb1mx3.4/2.0, Error ellipse: s-maj=29.7km s-min=12.3km az=83.0

ISC 07 03:57:11.8±0.6, 7.40N±0.05±126.53E±0.14, h142km, 5km, n23, n1900/31, mb3.8/10, 2C-3D, Mindanao

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Includes stations like Mati, Bislig, Davao City, Kidapawan, Muisan, Butp, General Santos, Cagayan de Oro, Cotabato-PC H, Surigao, Pagadian, Palo, Nigami, Chichi jima, Fitzroy Crossi, Warramunga Arr, Gongo Arr, Malakanchi Array, Serv Nac Est T, El Faro, La Ceiba, Marmol, Conchagua, Keskin Array B, Keskin Array B, Fines Fines Array B.

BUI 07 04:17:59.7, 7.22S±150.57E, h45km, mb5.1, mb4.6, Ms4.9, Ms2.7

IDC 07 04:18:05.6±0.7, 6.55S±150.28E, h27km, 4km, mb4.5/14, mb1 4.7/16, mb1mx4.6/17, ML3.7/2, Ms3.6/9, Ms1 3.6/9, mb1mx3.4/2.5, Error ellipse: s-maj=20.8km s-min=11.7km az=124.0

NEIC 07 04:18:07.1±2.1, 6.51S±150.35E, h45km, 18km, mb4.6/10, Error ellipse: s-maj=15.2km s-min=11.8km az=111.0

SYO 07 04:18:07.1, 6.51S±150.35E, h45km, MB4.6

ISC 07 04:18:03.6±0.4, 6.48S±0.07±150.35E±0.08, h31km, h31km±1, 2km±p-P, n52, n1907/48, mb4.6/23, Ms3.6/9, 3C-2D, New Britain region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Includes stations like Port Moresby, Port Moresby.



Table with columns: AOPR, CELP, MGR, LSP, PO, PCRV, SDV, ROSC, TXAR, CPUP, YKA, ELAR. Contains station names, coordinates, and various data points.

WEL 07 06:15:17.1-0.8, 47.09Sx164.80E, h33km, ML3.8/5, 2D. Error ellipse: s-maj=8.1km s-min=7.3km az=90.0, Off west coast of South Island

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like WHZ, MLZ, MSZ, TUZ, etc.

LDG 07 06:16:11.8-0.2, 19.71Sx168.65E, h10km, Mb4.6/1, Error ellipse: s-maj=23.3km s-min=3.1km az=122.2

NEIC 07 06:16:12.0-0.0, 20.12Sx169.89E, h35km, mb4.3/1, Error ellipse: s-maj=13.4km s-min=11.1km az=149.0

IDC 07 06:16:24.10.0, 20.47S, 168.95E, h124km, g1km, mb3.6/8, mb1 3.8/9, mb1mx3.7/16, ML4.1/1, MS3.4/3, Ms1.3/4, ms1mx3.1/16, Error ellipse: s-maj=49.7km s-min=23.4km az=13.0

ISC 07 06:16:13.7-1.4, 20.21S-0.05S, 168.9E-0.1, h33kmx12km, n47, c12/24, mb4.0/9, MS2.9/3, 2C-1D, Loyalty Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like BKM, DZM, NOUC, URZ, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like CT, CT, STK, W2, WRA, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like ASAR, FITZ, VWA, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like PMS, FINESS, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like GVF, BAIF, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like SSF, GOR, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like NIED, JMA, etc.

Table with columns: CBJJ, CBJH, JHHJ, etc. Lists stations and their associated data.

Table with columns: BSO1, BSO3, BSO4, etc. Lists stations and their associated data.

Table with columns: MKAR, MKAR, WRA, etc. Lists stations and their associated data.

Table with columns: ARU, ARCS, ARCS, etc. Lists stations and their associated data.

Table with columns: FINESS, FINESS, etc. Lists stations and their associated data.

Table with columns: PDAR, PDAR, etc. Lists stations and their associated data.

Table with columns: BRTR, BRTR, etc. Lists stations and their associated data.

Table with columns: NOA, NOA, etc. Lists stations and their associated data.

Table with columns: PDAR, PDAR, etc. Lists stations and their associated data.

Table with columns: BRTR, BRTR, etc. Lists stations and their associated data.

Table with columns: NOA, NOA, etc. Lists stations and their associated data.

Table with columns: STKA, STKA, etc. Lists stations and their associated data.

Table with columns: W2, W2, etc. Lists stations and their associated data.

Table with columns: ASAR, ASAR, etc. Lists stations and their associated data.

Table with columns: TB1, TB1, etc. Lists stations and their associated data.

Table with columns: PPT, PPT, etc. Lists stations and their associated data.

Table with columns: VWA, VWA, etc. Lists stations and their associated data.

Table with columns: ASAR, ASAR, etc. Lists stations and their associated data.

Table with columns: ASAR, ASAR, etc. Lists stations and their associated data.

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Table with columns: ASAR, ASAR, etc. Lists stations and their associated data.

Table with columns: ASAR, ASAR, etc. Lists stations and their associated data.

LDG 07 07:15:34.5-0.2, 43.09N-0.13E, h15km, Md1.5/2, M11.6/2, Error ellipse: s-maj=8.6km s-min=3.4km az=172.0

STR 07 07:15:35.6-0.1, 43.05N, 0.07W, h5km, 1km, M12.2, Error ellipse: s-maj=0.0km s-min=0.0km az=15E

ISC 07 07:15:33.0-0.9, 43.19N-0.06, 0.15E-0.04, h15km, n6, c08/6/12, France

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like LABF, LABF, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like VIEF, VIEF, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like SJPF, SJPF, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like MTLF, MTLF, etc.

NEIC 07 07:27:23.2, 2.4, 19.20Sx169.50E, h46kmx20km, mb4.6/4, Error ellipse: s-maj=19.1km s-min=7.0km az=198.0

IDC 07 07:27:38.5, 7.0, 19.15Sx169.00E, h172km, 64km, mb3.9/12, mb1 4.0/12, mb1mx4.0/16, MS4.2/14, Ms1.4 2/14, ms1mx4.1/16, Error ellipse: s-maj=28.8km s-min=19.1km az=40.0

ISC 07 07:27:19.9-0.7, 18.89S-0.07, 169.5E-0.1, h33km, n45, c147/32, mb4.4/15, MS4.1/16, 1C, Vanuatu Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like BKM, DZM, etc.

THE 07 08:19:35.9, 38.72N-22.81E, h10km, ML3.0, NEIC 07 08:19:36.9, 38.70N-23.06E, h20km, ML3.1 (ATH), After

ATH 07 08:19:37.9, 38.61N-22.69E, h10km, MD3.2/3, ISC 07 08:19:34.9-0.6, 38.68N-0.03, 22.82E-0.05, h2km, g1km, n16, c09/20, Greece

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like AGG, AGG, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like MKIT, MKIT, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like MEV, MEV, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like ITR, ITR, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like VLL, VLL, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like WOH, WOH, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like RAC, RAC, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like RAC, RAC, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like RAC, RAC, etc.



Table of seismic data for stations VRAC, PSZC, PSZ, PSZK, KWP, KPW, KWP, KWP, KWP, PVCC, PRU, BRG, BRG, KHC, KHC, GERES, GERES, GERES, GERES, CLLA, COLM, MOA, MOA, MOA, HFS, HFS, FINES, FINES, FINES, ARCES, ARCES, ARCES.

Table for event DJA 07 08:42:19.6-0.9, 8.95S-117.02E, h33km, MD5.1/4, ML4.0/3, Sumbawa region.

Table for event IDC 07 08:43:14.4-4.7, 0.15, 14S-178.19E, mb3.7/3, mb1 3.9/3, s-min=145.6km az=74.0.

Table for event IDC 07 09:01:03.6-46.0, 15.32S-178.16E, mb3.8/3, mb1 4.0/3, s-min=143.6km az=74.0.

Table for event IDC 07 09:02:29.2-11.0, 18.9S-0.4x16.9E, h33km, n4, s0552/4, mb3.7/3, Vanuatu Islands.

Table for event IDC 07 09:04:54.6-2.0, 19.05S-169.00E, h52km, 16km, mb4.4/5, Error ellipse: s-maj=17.2km s-min=15.4km az=168.0.

Table for event IDC 07 09:05:14.4-6.9, 18.96S-168.52E, h223km, 70km, mb3.6/9, mb1 3.8/9, mb1mx3.7/16, MS4.0/7, Ms1 4.0/7, ms1mx3.9/9, Error ellipse: s-maj=35.5km s-min=17.1km az=19.0.

Table for event TXAR Lajitas Array 96.86 61 LR, YKA Yellowknife Arr 100.57 27 P, IDC 07 09:53:57.5-2.9, 21.95S-179.88E, mb3.6/3, mb1 4.0/3, s-min=34.3km az=163.0, South of Fiji Islands.

Table for event DJA 07 10:18:05.3-0.8, 9.55S-115.27E, h33km, MD5.3/4, ML4.0/3, 5C-5D, Error ellipse: s-maj=17.9km s-min=9.0km az=7.0, South of Bali.

Table for event IDC 07 10:21:42.8-1.4, 7.36N-73.61W, h133km, 16km, mb3.0/2, mb1 3.2/4, mb1mx3.0/22, Error ellipse: s-maj=33.2km s-min=5.6km az=123.3.

Table for event IDC 07 10:26:29.6-0.8, 6.74N-72.92W, h166km, 12km, mb2.8/2, mb1 3.2/4, mb1mx3.0/21, MS3.1/1, Ms1 3.2/1, ms1mx2.4/15, Error ellipse: s-maj=41.0km s-min=7.8km az=132.0.

Table for event IDC 07 10:45:22.3-0.2, 8.50S-114.91E, h160km, MD4.9/4, 1C-10D, Error ellipse: s-maj=15.1km s-min=6.6km az=20.0, Bail region.

Table for event IDC 07 11:20:01.0-2.7, 12.96N-123.96E, mb3.4/3, mb1 3.6/3, mb1mx3.3/18, Error ellipse: s-maj=175.0km s-min=27.0km az=66.0.

Table for event NAO 07 11:36:30.7-3.8, 60.74N-28.86E, ML2.8 HEL 07 11:36:31.9-0.3, 60.95N-29.07E, ML1.2, ML2.8(NAO), Explosion.

Table for event SUF comp=2.1, 3nm, 0.1s, JOF Joensuu 2.19 30 ePB, JOF Joensuu 2.19 30 eSB, JOF Joensuu 2.19 30 ePB, JOF Joensuu 2.19 30 eSB, JOF Joensuu 2.19 30 ePB, JOF Joensuu 2.19 30 eSB.

Table for event IDC 07 12:06:39.5-0.6, 18.29N-146.85E, mb4.2/15, mb1 4.4/16, mb1mx4.3/23, ML4.2/1, MS2.8/2, Ms1 2.8/2, ms1mx2.6/30, Error ellipse: s-maj=21.0km s-min=14.1km az=98.0.

Table for event IDC 07 12:06:46.5-1.5, 18.19N-146.87E, h50km, 14km, mb4.0/3, Error ellipse: s-maj=17.5km s-min=8.5km az=90.0.

Table for event IDC 07 12:14:39.5-0.6, 18.29N-146.85E, mb4.2/15, mb1 4.4/16, mb1mx4.3/23, ML4.2/1, MS2.8/2, Ms1 2.8/2, ms1mx2.6/30, Error ellipse: s-maj=21.0km s-min=14.1km az=98.0.

Table for event IDC 07 12:14:39.5-0.6, 18.29N-146.85E, mb4.2/15, mb1 4.4/16, mb1mx4.3/23, ML4.2/1, MS2.8/2, Ms1 2.8/2, ms1mx2.6/30, Error ellipse: s-maj=21.0km s-min=14.1km az=98.0.

Table for event IDC 07 12:14:39.5-0.6, 18.29N-146.85E, mb4.2/15, mb1 4.4/16, mb1mx4.3/23, ML4.2/1, MS2.8/2, Ms1 2.8/2, ms1mx2.6/30, Error ellipse: s-maj=21.0km s-min=14.1km az=98.0.

Table for event IDC 07 12:14:39.5-0.6, 18.29N-146.85E, mb4.2/15, mb1 4.4/16, mb1mx4.3/23, ML4.2/1, MS2.8/2, Ms1 2.8/2, ms1mx2.6/30, Error ellipse: s-maj=21.0km s-min=14.1km az=98.0.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PMR Palmer, MCK McKinley, TXAR Lajitas Array, COLA College, ILAR Eielson Array, VNA3 Neumayer Olymp, etc.

IDC 07 12:50:13.8.8.7. 7. 20S. 129.47E, h93km, 96km, mb3.3/3, mb1 3.8/6, mb1mx3.6/13, ML3.4/3, Error ellipse: s-maj=61.6km s-min=39.3km az=410.0

NEIC 07 12:50:16.0.3.2. 7. 23S. 129.07E, h101km, 38km, Error ellipse: s-maj=34.1km s-min=25.0km az=66.0

ISC 07 12:50:21.1.1. 9. 7. 41S. 109.25.09E, h120km, 22km, n12, c0986/20, mb3.3/3, Banda Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KAKA Kakadu, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, etc.

DJA 07 12:54:54.6.0. 9. 8. 44S. 116.41E, h33km, MD4.9/3, ML4.3/2, 2C-6D, Error ellipse: s-maj=60.1km s-min=20.5km az=161.0, Sumbawa region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KEDI Kedondong, KEDI Rata, RATI Rata, INGI Ingas, etc.

NEIC 07 13:11:20.6. 13. 61N. 90.24W, h62km, MD3.5(SNET), After SNET.

NEIC Felt [I] at San Salvador, El Salvador.

CASC 07 13:11:20.2. 2. 0. 13. 48N. 90.29W, h32km, 4km, MD3.8, ML4.1

IDC 07 13:11:22.5. 4. 9. 13. 53N. 90.05W, h78km, 51km, mb3.3/3, mb1 3.8/5, mb1mx3.5/21, ML3.9/2, Error ellipse: s-maj=75.1km s-min=18.6km az=56.0

ISC 07 13:11:19.8. 0. 7. 13. 45N. 07.90.28W, 0.04, h63km, 28km, n43, c0996/69, mb3.8/2, 1C-12D, Near coast of Guatemala

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CUSS Cusmapa, SBL San Blas, RTR El Retiro, SNJE San Jose, BOQS Boquero, PICP Picacho, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LBRS Las Brisas, LBRS La Ceiba, LBRS La Ceiba, etc.

TEIG Tepich, TXAR Lajitas Array, NVAR Mina Array, YKA Yellowknife Arr, WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi

WEL 07 13:34:31.9. 0. 2. 39. 05S. 175.05E, h143km, 1km, ML3.5/4, 2C. Error ellipse: s-maj=2.3km s-min=1.2km az=90.0, North Island

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VRZ Vera Road, TWZ Taurewa, FWZ Far West T-bar, WNVZ Wahianoa, WAZ Wanganui, TUWZ West Tongariro, etc.

IDC 07 13:38:23.6. 5. 2. 47. 85S. 126.76E, mb3.9/3, mb1 4.1/4, mb1mx3.9/10, ML4.1.1, Error ellipse: s-maj=130.0km s-min=65.3km az=140.0, Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like STKA Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr, CMAR Chiang Mai Arr, YKA Yellowknife Arr, etc.

NEIC 07 13:56:51.9. 17. 10N. 95.41W, h116km, MD4.0(MEX), After MEX.

MEX 07 13:56:52.3. 0. 9. 17. 10N. 95.42W, h112km, 11km, MD3.9, Oaxaca

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CMIG Matias Romero, OXX Oaxaca, VHO Vista Hermosa, etc.

NIED 07 14:13:00. 42. 40N. 145. 40E, h29km, Mw4.9, Best double couple: M2.33x10^16 NP1: 26, 864, 172. NP2: 243, 832, 123. SKHL 07 14:13:47. 8. 3. 1. 42. 40N. 145. 20E, h35km, 5km, mb4.8/7, mb5.5/1, ms4.5/5. JMA Felt II J1. IDC 07 14:13:48. 8. 0. 4. 42. 49N. 145. 20E, h30km, 2km, mb4.5/25, mb1 4.6/27, mb1mx4.6/29, ML4.2, MS4.3/17, ms1mx4.0/34, Error ellipse: s-maj=13.5km s-min=9.7km az=151.0. HRVD 07 14:13:49. 4. 0. 6. 42. 38N. 145. 38E, h37km, 2km, MW4.9/41, Centroid moment Tensor Solution. LF body waves: s14.c18, Mantle waves: s41.c60. Half duration: 0 Moment tensor: Scale 10^16Nm; Mrr1.95z.24; Mss1.15z.14; Mss1.08z.15; Mss1.19z.08; Mss1.30z.12; Best double couple: M2.76x10^16 NP1: 233, 824, 197. NP2: 26, 866, 187. Principal axes: T 2.64, Plg69, Azm310; N 2.2, Plg3; Azm47; P 2.87, Plg21; Azm138; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 07 14:13:49. 4. 0. 2. 42. 35E. 145. 14E, mb5.1/72, MW4.9(NIED) Error ellipse: s-maj=5.0km s-min=3.0km az=156.0

NEIC Recorded [2 JMA] in the Kushiro area and [1 JMA] in eastern and south-central Hokkaido.

MOS 07 14:13:50. 0. 9. 42. 64N. 145. 09E, h48km, mb5.1/33, MS4.3/20, Error ellipse: s-maj=10.6km s-min=5.6km az=106.3

ISC 07 14:13:47. 4. 0. 2. 42. 38N. 150.02. 145. 27E. 0. 03, h34km, h34km, 1. 6km, pp-P, n358, t03/364, mb5.0/122, MS4.5/42, 49C-22D, Hokkaido region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JAK Akkeshi, JAK Nemuro 2, JEM Onbets, JNK Nakash, JNK Churui, JAR Ashorobuto, JAR Rausu, JEM Erimo, YUK Yuzh-Kuril'sk, etc.

Table with columns for station code, name, frequency, power, modulation, SNR, and signal quality. Includes stations like Yuzh-Sakhalins, Shirataka, Saasagawa, Ternei, etc.

Table with columns for station code, name, frequency, power, modulation, SNR, and signal quality. Includes stations like MA2, Magadan, Dalian, Hailar, Chui'man, etc.

Table with columns for station code, name, frequency, power, modulation, SNR, and signal quality. Includes stations like BTO, WHN, Sonmo, Xian, Lanzhou, etc.



Table listing station names, coordinates, and various parameters. Includes stations like MNTX, MOTA, SOTA, BFO, BFD, etc.

Table listing station names, coordinates, and various parameters. Includes stations like Chengdu, Kunming, Chiang Mai, etc.

Table listing station names, coordinates, and various parameters. Includes stations like Jabal al Moall, Haql, etc.

Table of astronomical observations for the first 7 days of July 2004. Columns include station name, object name, magnitude, position, and other parameters.

Table of astronomical observations for the second 7 days of July 2004. Columns include station name, object name, magnitude, position, and other parameters.

Table of astronomical observations for the third 7 days of July 2004. Columns include station name, object name, magnitude, position, and other parameters.

IDC 07 16:59:30.0,9.67, 11N-21.09E,mb1 3.0/4, mb1mx3.0/20,ML2.5/4, Error ellipse: s-maj=17.5km s-min=6.8km az=117.0

BER 07 16:59:33.5,4.3,67.15N-20.93E,ML1.8,ML2.3(NAO), Suspected explosion

ISC 07 16:59:29.2,0.3,67.00N-20.89E,0.06,n36,e1937/49, Sweden

Table with columns: Code, Station Name, A° AZ, Phase ID, Time Res, h m s, Res ISC. Lists stations such as DUNU, MASU, ERTO, PAJU, etc.

IDC 07 17:01:20.9,2.7, 22.45S-175.08W, h44km,24km, mb4.7/20, mb1 4.8/22, mb1mx4.7/26,ML4.8/2,MS4.4/7,MS1 4.4/7, ms1mx4.0/26, Error ellipse: s-maj=21.5km s-min=11.2km az=152.0, Putative timing error at EIL

HRVD 07 17:01:22.0,0.5, 22.84S-174.23W, h19km,1km, MW5.0/48, Centroid moment Tensor Solution. LP body waves.

NYC 07 17:01:22.0,0.5, 22.57S-175.01W, h55km, MB5.2/35, Error ellipse: s-maj=9.2km s-min=5.8km az=140.0

MOS 07 17:01:22.2,2.0,54S-174.79W, h33km, mb5.5/5, Error ellipse: s-maj=59.7km s-min=19.5km az=104.0

ISC 07 17:01:17.8,2.6, 22.58S-0.06E,174.99W/0.05, n35,17km, n262, c1906/126, mb5.1/56,MS4.7/85, 15C-16D, Tonga Islands region

Table with columns: Code, Station Name, A° AZ, Phase ID, Time Res, h m s, Res ISC. Lists stations such as RAR, PUZ, URZ, DZM, etc.

Table with columns: CTA, Charters Tower, 36.12 267, P, P, 17 08 18.3 -0.9. Lists various stations and their associated data.

Table with columns: WVVOR, Nanjing, 83.36 309, eP, P, 17 13 44.0 +0.5. Lists various stations and their associated data.





Table with columns for station name, coordinates, and various data points. Includes stations like FORT Tagaytay City, STKA Stephens Creek, MUN Munding, etc.

Table with columns for station name, coordinates, and various data points. Includes stations like GTA comp=E,47nm,15.2s,MS3.9, YSS Yuzh-Sakhalins, etc.

Table with columns for station name, coordinates, and various data points. Includes stations like ARU Arti, RAYN Ar Rayn, KAMBO Kilima Bogoro, etc.





7d 20h

Table with columns: ID, Name, Azimuth, Elevation, SNR, Frequency, etc. Lists various radio station entries like DUG, PDAR, MOS, etc.

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Table with columns: PSZ, MOX, MOX, MOX, MOX, etc. Lists radio station entries with call signs and coordinates like PSZ, MOX, KHK, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res. Lists various radio station entries like MXZ, Urewera, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include Matias Romero, Ciudad Serdan, El Vigia, Veracruz, Platanillo, Tuzandepet, Popocatepetl, Laguna Verde, Universidad Na.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include TCF, CAF, CAF, HYF, CDF, MEZF, MEZF, MEZF, RFFYF, RFFYF, MTLF, MTLF.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include FCC Fort Churchill, IDC 07 21:07:26.2, ISC 07 21:07:29.0, TGY Tagaytay City, PGP Puerto Galera, LQP Lukban, CMAR Chiang Mai Arr, JNU Nakatsue, SONM Songino Array, WRA Warramunga Arr, ASAR Alice Springs.

STR 07 20:59:44.4±0.1, 45.55N±6.13E, h5km, 1km, M2.5, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

NEIC 07 21:03:08.0±0.4, 54.94N-158.36W, mb3.7/2, ML3.8(AEIC), Error ellipse: s-maj=9.7km s-min=3.8km az=165.0

HRVD 07 21:29:23.0±0.1, 17.47S±168.08E, h13km, MW5.8/65, Centroid moment Tensor Solution. LP body waves: s60 c128

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include GDM Grand'Maison, GDM Grenoble, GDM Roselend, RSL La Plagne, LPL La Plagne, LPL 17nm,0.3s,SNR=1.0, LPGA La Plagne, LPGA 22nm,0.2s,SNR=1.0, OG05 Jujurieux, OG05 Oris-en-Rattie, ORIF Oris-en-Rattie, ORIF 20nm,0.2s,SNR=1.0, OG22 Abries, MBDF Montbardon, MBDF Montbardon, MBDF SNR=1.0, MBDF SNR=1.0, MBDF 8.4nm,0.4s,SNR=1.0, MBDF SNR=1.0, CABF La Chapelle, CABF SNR=1.0, CABF SNR=1.0, CABF 22nm,0.2s,SNR=1.0, VIVF Saint-Julien-I, VIVF SNR=1.0, VIVF SNR=1.0, SMRF Simiane la Rot, SMRF 0.8nm,0.3s,SNR=1.0, PLDF La Plantade, LOMF Lomont, SMF Signal de Mont, SMF SNR=1.0, SMF SNR=1.0, SMF SNR=1.0, SBF Sospel, SBF SNR=1.0, LBL Lubilhac, FRF La Foret Royal, FRF SNR=1.0, FRF SNR=1.0, FRF SNR=1.0, AGO Saint-Agouin, BBS BBS, BBS SNR=1.0, PYM Petit Puy Mans, LASF Ste Croix, LASF SNR=1.0, LASF SNR=1.0, AVF Avril sur Loir, AVF SNR=1.0, AVF SNR=1.0, LOR Lormes, LOR SNR=1.0, LOR SNR=1.0, LOR SNR=1.0, LMR La Moure, LMR SNR=1.0, LMR SNR=1.0, HINF Hinterfall, HINF SNR=1.0, HINF SNR=1.0, SSF Saint Saugel, SSF SNR=1.0, SSF SNR=1.0, SSF SNR=1.0, HAU Hautdopre, HAU SNR=1.0, HAU SNR=1.0, HAU SNR=1.0, BGF Bois d'Agland, BGF SNR=1.0, BGF SNR=1.0, BGF SNR=1.0, FELD Feldberg, SFTF Sextfontaines, SFTF SNR=1.0, SFTF SNR=1.0, Toulx Ste Croi.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include SDN Sand Point, PSIA Pavlov South-1, PVV Pavlov Volcano, DOL Dolgoi Island, HAG Hagia Sophia, PN6 Pavlov North-6, PN7A Pavlov North-7, DRIA Deer Island, DRIA Dutton South F, BLHA Black Hill, DT1 Dutton Round H, DT1 Baldy Mountain, WFRAR False Peak, WFRAR Cahill, ANCK Angle Creek, WESE West Dahl East, KABR Katmai Barrier, WESE West Dahl Sout, WFRAR Paris Peak, KABC Katmai Kagui, AHB Akutan Harbor, AKLV Akutan Long Va, AKGG Akutan Green G, UNV Unalaska Valle, MTBL Mt. Katmai Table, MSW Makushin Switc, ILAR Eielson Array, ILAR SNR=1.0, ILAR SNR=1.0, ILAR SNR=1.0, DLBC Dease Lake, UNUC Attu Island-F, INK Inuvik, INK SNR=1.0, YKA Yellowknife Arr, YKA SNR=1.0, YKA SNR=1.0, HLID Hailey, HLID SNR=1.0, NVAR Minna Array Bea, PDAR Pinedale Array, MNTX Cornudas Mount, ARCES ARCES Array B, FINES FINES Array B, FINES FINES Array B, FINES FINES Array B, NOA NORSAR Array B, NOA NORSAR Array B, BVAR Borovoye Array, MKAR Machochi Array, MKAR Machochi Array, AKASG Malin Array Be, OTT 07 21:04:36.1±0.1, 60.13N-69.60W, h18km, MN2.37, 27km northeast from Kangirsuk, Qc Boothia Ungava Seismic Zone, Northern Quebec.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include BKM Butte a Klehm, BKM Mont Dzumac, DZM Mont Dzumac, NOUC Port Laguerre, NOUC Port Laguerre, NOUC Port Laguerre, WCZ Waipu Caves, CTA Charters Tower, CTA Charters Tower, CTA Charters Tower, PMG Port Moresby, PMG Port Moresby, PMG Port Moresby, URZ Urewera, URZ Urewera, RIV Riverview, MWZ Matawai, PUZ Puketiti, TSZ Takatari Road, QUAR Quartz Range, NNZ Nelson, MRW Makara Rangio, CNB Canberra Magne, SNZO South Karori, THZ Tophouse, KHZ Kahutara, LTZ Lake Taylor, RPZ Rat Peaks, RPZ Rat Peaks, MOZ Queen's Hall, STKA Stephens Creek, STKA Stephens Creek, TOO Toolangi, TOO Toolangi, RAR Rarotonga, RAR Rarotonga, ADE Adelaide, WB2 Warramunga Arr, WB2 Warramunga Arr, WRA Warramunga Arr, AS12 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, KAKA Kakadu, TBI Tubuai, TBI Tubuai, PPT Papeete, PPT Papeete, FITZ Fitzroy Crossi.

7d 21h

Table with columns for station code, name, coordinates, and various performance metrics (eS, S, P, M, etc.) for stations like FITZ, TIAR, TVO, MBWA, NWAO, etc.

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Table with columns for station code, name, coordinates, and various performance metrics for stations like YSS, Nanjing, Severo-Kuril's, Vladivostok, etc.

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Table with columns for station code, name, coordinates, and various performance metrics for stations like ENH, KLR, UNV, NST, BJT, Beijing, etc.



Table of astronomical observations for 7 days in July 2004, including stations like SKO, WTSB, WET, ARSA, GRA1, etc., and various celestial objects.

Table of astronomical observations for 7 days in July 2004, including stations like ORIF, AGO, ALTN, TCF, etc., and various celestial objects.

Table of astronomical observations for 7 days in July 2004, including stations like FRB, SCHO, LG4Q, etc., and various celestial objects.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include MTE Manteigas, PVIS Visu, EHOR Hornachuelos, EMIJ Mijas, etc.

PGC 07:23:51:49.0, 50.62N:130.44W, h10km, MLSn3.81, West of Vancouver Island, British Columbia

NEIC 07:23:51:49.0, 50.62N:130.44W, h10km, mb3.5/1, ML3.0(PGC), After PGC

IDC 07:23:51:52:44.1, 9.50.76N:129.99W, mb3.6/2, mb1 4.0/7, mb1mx3.7/23, ML3.7/5, MS3.3/2, Ms1 3.3/2, ms1mx2.8/25, Error ellipse: s-maj=24.6km s-min=13.5km az=68.0

ISC 07:23:51:48.3-0.5, 50.78N-0.03:130.23W-0.06, h10km, n65, alpha11/92, mb3.5/3, MS3.2/1, 1C-2D, Vancouver Island region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include HOLB Holberg, BPBC Brooks Peninsula, PHBC Port Hardy, BBB Bella Bella, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include BNBAB Bonilla, ETB Estevan Point, VIB Van Inlet, GDR Gold River, etc.

TWV Teanaway, LTY Liberty, NAC Naches, DLBC Dease Lake, NEW Newport

DJA 08:00:05:05.2-0.8, 9.23S:115.67E, h80km, MD5.0/4, ML4.2/1, 6C-2D, Error ellipse: s-maj=26.6km s-min=10.3km az=173.0, South of Bali

Code Station Name Az Az' Phase ID Time Res. Rows include RATI Rata, INGI Ings, KEDI Kedondong, etc.

Code Station Name Az Az' Phase ID Time Res. Rows include RATI Rata, INGI Ings, KEDI Kedondong, etc.

Code Station Name Az Az' Phase ID Time Res. Rows include RATI Rata, INGI Ings, KEDI Kedondong, etc.

Code Station Name Az Az' Phase ID Time Res. Rows include RATI Rata, INGI Ings, KEDI Kedondong, etc.

Code Station Name Az Az' Phase ID Time Res. Rows include RATI Rata, INGI Ings, KEDI Kedondong, etc.

Code Station Name Az Az' Phase ID Time Res. Rows include RATI Rata, INGI Ings, KEDI Kedondong, etc.

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Code Station Name Az Az' Phase ID Time Res. Rows include RATI Rata, INGI Ings, KEDI Kedondong, etc.

Code Station Name Az Az' Phase ID Time Res. Rows include RATI Rata, INGI Ings, KEDI Kedondong, etc.

BER 08:00:06:15.9-2.3, 72.66N-4.17E, MD3.3, ML2.4, MOS 08:00:06:17.3, 1.6, 71.91N-4.61E, h10km, mb4.4/6, Error ellipse: s-maj=42.7km s-min=8.5km az=97.9

ISC 08:00:06:09.6-0.3, 72.52N-0.03:72.2E-0.1, h10km, n90, alpha144/94, mb4.1/34, MS3.6/12, 6C-2D, Norwegian Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include JMJC Jan Mayen, HSP Hornsund, LOF Lofoten, etc.

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8d 3h

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

NEIC 08 00:36:23.6:0.6, 51.89N, 179.91E, mb4.1/2, Error ellipse: s-maj=16.5km s-min=5.1km az=194.0

ISC 08 00:36:24.2:1.2, 51.93N, 179.77E, h112km, mb3.6/1.4, mb1.3/7.15, mb1mx3.6/26, Error ellipse: s-maj=32.0km s-min=9.7km az=7.0

ISC 08 00:36:22.5:0.7, 51.9N, 172.2-179.88E, 0.06, h115km, 5km, h110km, 3.2km, pP-P, n36, 0881/41, mb3.8/17, RT Islands

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

ISC 08 00:45:25.9:3.1, 17.47S, 70.27W, h116km, 30km, mb3.2/2, mb1.3/5.4, mb1mx3.3/17, Error ellipse: s-maj=44.4km s-min=12.3km az=107.0

ISC 08 00:45:26.0:2.5, 17.51S, 0.09:70.3W, 0.3, h126km, 21km, n4, 0137/6, mb3.4/2, Near coast of Peru

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

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations LPAZ, LVC, BDFB, YKA, etc.

DJA 08 00:50:44.7:0.9, 6.91S, 115.82E, h201km, 18km, MD4.7/4, ML3.8/4, 4C-4D, Error ellipse: s-maj=53.9km s-min=19.1km az=9.0, Bali Sea

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

ISC 08 01:36:49.1:1.8, 8.72S, 124.02E, mb3.7/1, mb1.4/0.4, mb1mx3.7/14, ML3.8/3, Error ellipse: s-maj=121.0km s-min=27.5km az=63.0, Timor region

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

ISC 08 02:08:38.2:1.8, 8.98S, 108.35E, mb4.4/6, mb1.4/4.7, mb1mx4.1/17, ML3.9/1, MS3.2/1, Ms1.3/4.1, ms1mx2.7/18, Error ellipse: s-maj=94.7km s-min=16.7km az=50.0

ISC 08 02:08:40.7:0.9, 10.84S, 108.69E, h30km, 3km, MD5.0/4, ML5.7/4, Error ellipse: s-maj=64.2km s-min=16.9km az=161.0

MOS 08 02:08:42.7:0.4, 8.47S, 108.90E, h33km, mb4.3/6, Error ellipse: s-maj=45.6km s-min=20.3km az=113.4

NEIC 08 02:08:49.0:0.7, 8.78S, 108.78E, h80km, mb4.3/2, Error ellipse: s-maj=22.2km s-min=8.6km az=213.0

ISC 08 02:08:48.2:2.7, 8.75S, 0.1, 108.9E, 0.1, h88km, 23km, n32, 0567/32, mb4.1/12, 6C-5D, Java

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations CHKZ, CHKZ, AB31, etc.

TIF 08 02:40:53.7, 39.21N, 44.30E, h20km, Mpw4.0, ISC 08 02:41:02.1, 39.67N, 44.02E, h2km, MD3.5

ISC 08 02:41:04.0:0.6, 39.70N, 0.06:43.90E, 0.06, h2km, n14, 0137/20, 3C, Turkey

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

ISC 08 02:41:46.5:1.1, 20.79S, 67.48W, h194km, 15km, mb3.0/2, mb1.3/3.5, mb1mx3.1/18, Error ellipse: s-maj=35.2km s-min=10.7km az=98.0

ISC 08 02:41:46.3:0.9, 20.82S, 0.07:67.5W, 0.2, h202km, 15km, n6, 0152/7, mb2.9/1, Southern Bolivia

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

CASC 08 03:04:34.9:2.0, 11.28N, 87.97W, h18km, 54km, MD3.7, 5C-10, Near coast of Nicaragua

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

ISC 08 03:08:25.4:0.6, 23.84S, 69.62E, MB4.2/11, mb1.4/3/11, mb1mx4.2/18, MS3.9/13, Ms1.3/9/13, ms1mx3.7/24, Error ellipse: s-maj=23.4km s-min=17.9km az=61.0

NEIC 08 03:08:26.4:0.2, 23.83S, 69.62E, h10km, mb4.5/10, Error ellipse: s-maj=15.3km s-min=4.8km az=93.0

ISC 08 03:08:24.8:0.5, 23.84S, 0.08:69.7E, 0.1, h10km, n38, 0885/26, mb4.4/20, MS4.0/13, Mid-Indian Ridge

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CTA Charters Tower, MKAR Makanchi Array, BRTR Keskin Array B, etc.

ATH 08 03:16:34.0, 40.04N-20.50E, h5km, MD2.8/3
THE 08 03:16:36.5, 39.74N-20.34E, h10km, ML2.7

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

ATH 08 03:44:23.3, 39.40N-21.32E, h10km, MD3.0/3
THE 08 03:44:32.1, 39.70N-20.87E, h10km, ML2.7

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JAN Janina, MEV Metsovon, IGT Igoumenitsa, etc.

IGQ 08 04:12:46.0, 2.73S-78.38W, h12km, 4km, mb4.0, 8C-3D, Error ellipse: s-maj=9.4km s-min=2.3km az=1.5,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ARR Arrayan, PATA Patacocho, IGUA Iguatula, etc.

IDC 08 04:16:44.3, 6.1, 4.40S, 128.74E, h221km, 60km, mb3.5/2, mb1 3.5/5, mb1mx3.3/16, MS3.2/1, Ms1 3.2/1, ms1mx2.6/18, Error ellipse: s-maj=62.2km s-min=22.4km az=67.0,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KAKA Kakadu, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

IDC 08 04:44:14.3, 4.1, 19.83S-174.00W, mb4.1/4, mb1 4.2/4, mb1mx3.8/16, Error ellipse: s-maj=170.0km s-min=53.3km az=146.0, Tonga Islands

IDC 08 04:44:46.3, 1.6, 8.89S, 123.88E, mb1 3.6/3, mb1mx3.4/12, ML3.2/3, Error ellipse: s-maj=97.3km s-min=23.4km az=69.0,

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

IDC 08 05:17:51.0, 2.1, 20.99S-170.51W, mb4.2/5, mb1 4.4/6, mb1mx4.0/20, ML3.5/1, Error ellipse: s-maj=64.4km s-min=34.4km az=180.0,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RAR Rarotonga, URZ Urewera, CNA Charters Tower, etc.

MAN 08 05:25:47.4, 12.85N-125.38E, h4km, mb4.4, ML3.2, MS3.0, Samar

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CBN Catarman, BNS Borongan, BESP Bessie, etc.

IDC 08 05:41:04.1, 2.7, 49.91N-179.63E, mb3.7/4, mb1 4.0/5, mb1mx3.4/23, ML3.5/1, Error ellipse: s-maj=70.2km s-min=34.4km az=18.0,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GMY Great Sitkin M, SSM Shemya, ATKA Atka Island, etc.

BUI 08 06:12:10.4, 11.49N-144.83E, h39km, mb5.0, mb4.8, Ms4.2, Ms3.8

IDC 08 06:12:14.1, 0.7, 12.03N-144.04E, mb4.3/12, mb1 4.5/12, mb1mx4.4/20, MS3.5/8, Ms1 3.5/8, ms1mx3.3/24, Error ellipse: s-maj=24.0km s-min=19.1km az=93.0,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GUIMO Guam, SAPN Saipan, CBJI Chichi jima, etc.

SSE Sheshan 28.32 316, Nanjing 30.50 315, WRA Warramunga Arr 33.05 197, WB2 Warramunga Arr 33.09 197, WRA Warramunga Arr 33.09 197

CN2 Changchun 35.48 337, CN2 Changchun 35.48 337, CN2 Changchun 35.48 337

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FITZ Fitzroy Crossi, KAKA Kakadu, WRA Warramunga Arr, etc.

IDC 08 05:17:53.3, 1.0, 21.2S-0.3, 170.30W-0.07, h33km, n7, 0.87S/8, mb4.1/4, Tonga Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RAR Rarotonga, URZ Urewera, CNA Charters Tower, etc.

MAN 08 05:25:47.4, 12.85N-125.38E, h4km, mb4.4, ML3.2, MS3.0, Samar

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CBN Catarman, BNS Borongan, BESP Bessie, etc.

IDC 08 05:41:04.1, 2.7, 49.91N-179.63E, mb3.7/4, mb1 4.0/5, mb1mx3.4/23, ML3.5/1, Error ellipse: s-maj=70.2km s-min=34.4km az=18.0,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GMY Great Sitkin M, SSM Shemya, ATKA Atka Island, etc.

BUI 08 06:12:10.4, 11.49N-144.83E, h39km, mb5.0, mb4.8, Ms4.2, Ms3.8

IDC 08 06:12:14.1, 0.7, 12.03N-144.04E, mb4.3/12, mb1 4.5/12, mb1mx4.4/20, MS3.5/8, Ms1 3.5/8, ms1mx3.3/24, Error ellipse: s-maj=24.0km s-min=19.1km az=93.0,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GUIMO Guam, SAPN Saipan, CBJI Chichi jima, etc.



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like KUZ Kuaotunu, MWZ Matawai, and various other locations.

INMG 08:07:49:05.6:1.2, 42.25N-8.37W, h11km, h53km, ML2.2, Error ellipse: s-maj=2.9km s-min=1.8km az=54.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like PRXIMO Spain, EZAM Zamans, and various other locations.

BUI 08:07:53:12.7, 28.90S:177.02W, h53km, mb4.9, Ms4.6, NEIC 08:07:53:13.7:0.6, 28.85S:177.43W, h45km, mb4.4/8, Error ellipse: s-maj=17.0km s-min=13.1km az=157.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like MWZ Matawai, URZ Urewera, and various other locations.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like PLCA Paso Flores, NJ2 Nanjing, and various other locations.

IDC 08:09:20:47.5:4.51, 42N:179.54E, h49km, 39km, mb3.2/5, mb1.3/4.6, mb1mx3.2/23, ML3.2/1, Error ellipse: s-maj=104.0km s-min=23.6km az=179.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like KIMD Kanaga Island, KIWB Kanaga Island, and various other locations.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like PERP Pernice, GROS Grobnik, and various other locations.

IDC 08:09:36:25.8-4.0, 21.51S:176.08W, mb4.5/3, mb1.4/7/3, Error ellipse: s-maj=279.0km s-min=44.4km az=159.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like CTA Charters Tower, PMG Port Moresby, and various other locations.

BUI 08:09:48:01.7, 19.20S:112.30W, h10km, mb5.1, Ms5.7, NEIC 08:09:48:01.8:0.6, 19.18S:112.34W, h10km, mb4.7/21, Error ellipse: s-maj=20.9km s-min=13.6km az=85.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like JTS JuntasAbangare, PLCA Paso Flores, and various other locations.

8d 10h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time Res, Res ISC. Includes stations like BAR, Barrett, LAZ, Ladoron, ANMO, Albuquerque, etc.

NIED 08 10:30:00, 46.10N, 151.90E, h107km, Mw6.3 Best double couple: M3.54x10^18 NP1:phi=47, delta=5, lambda=66. NP2:phi=148, delta=1, lambda=168.
IGIL 08 10:30:47.2, 47.20N, 151.40E, h126km, MS5.7
SKHL 08 10:30:47.9, 5.9, 46.90N, 151.80E, h143km, 2km, mb6.6/6, mbh7.2/4, mbv6.9/8, ms5.8/3, msh7.0/8, msha7.2/2

Table with columns: Code, Station Name, Azimuth, Phase ID, Time Res, Res ISC. Includes stations like KUR, Kuril'sk, LAZ, Ladoron, ANMO, Albuquerque, etc.

2004 JUL

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time Res, Res ISC. Includes stations like KUR, Kuril'sk, Severo-Kuril's, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time Res, Res ISC. Includes stations like YSS, comp=N, 7um, 6.0s, etc.



8d 10h

Table with columns for station code, name, frequency, and signal strength. Includes stations like ILAR, TOA, THY, GTA, etc.

2004 JUL

Table with columns for station code, name, frequency, and signal strength. Includes stations like KMI, KMA, Kunming, etc.

158

Table with columns for station code, name, frequency, and signal strength. Includes stations like HUL, HKH, HKL, etc.



Table with columns: KEV, Kevo, 56.55 340 ep, P, 10 40 16.7 -1.7, etc. Includes stations like Corvallis, Mount Adams, Larch Mountain, etc.

Table with columns: HRY, PAHR, Pah Rah Range, 61.83 61 ep, P, 10 41 25.9 +2.1, etc. Includes stations like Washoe City, Washoe City, Kakadu, etc.

Table with columns: VSU, Vasula, 65.29 332 P, P, 10 41 15.8 -1.6, etc. Includes stations like Dugway, Dugway, Boulder Bay, etc.



Table with columns for station name, frequency, and various signal metrics (e.g., S/NR, SNR, etc.). Includes stations like WIM, LHO, GMM, VKA, BRTR, etc.

Table with columns for station name, frequency, and various signal metrics. Includes stations like WIM, LHO, GMM, VKA, BRTR, etc.

Table with columns for station name, frequency, and various signal metrics. Includes stations like RUP, BEO, BEO, BEO, BEO, etc.

Table with columns for station call letters, station name, frequency, and various signal strength and quality indicators. The table is organized into columns, with station names and call letters on the left and numerical data on the right.

Table with columns: LRAL, Lakeview Retre, 84.49, 46, i/p, P, 10 43 06.7 -0.4

Table with columns: EIBI, lbiza, 90.11, 337, P, P, 10 43 34.0 0.0

Table with columns: LPAZ, La Paz, 135.19, 60, PKP, PKPdf, 10 49 53.0

IDC 08 10:49:43.9-1.4, 33.46km/138.38E, mb3.5/3, mb1 3.7/3, mb1mx3.4/22, Error ellipse= s-maj=37.6km s-min=19.8km z=18.0

JMA 08 10:49:45.7-0.2, 34.35km/140.32E, h76km/2km, M2.9, ISC 08 10:49:45.0-6, 34.34km/140.310E-0.06, h83km/5km, n19,-0.89/29, mb3.6/3, Near east coast of eastern Honshu

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





8d 17h

Table listing station names, codes, and various parameters for the 8d 17h period. Includes stations like NVAR, WVOR, RMW, etc.

NEIC 08 15:19:33.3, 16.68N-95.06W, h97km, MD3.9 (MEX), After MEX.

Table listing station names, codes, and various parameters for the NEIC station group.

WEL 08 15:27:59.7-0.2, 39.13Sx175.30E, h134km, ML3.9/7, 13C-5D, Error ellipse: s-maj=1.4km s-min=1.2km az=90.0, North Island

Large table listing station names, codes, and various parameters for the WEL station group.

IDD 08 16:02:15.4-49.0, 11.87S-172.03E, mb4.1/3, mb1 4.2/3, mb1mx3.7/14, 2C-1D, Error ellipse: s-maj=846.0km

2004 JUL

Table listing station names, codes, and various parameters for the 2004 JUL period.

s-min=117.0km az=65.0, Santa Cruz Islands region

Table listing station names, codes, and various parameters for the Santa Cruz Islands region.

IDD 08 16:45:18.6-1.3, 13.07N-86.31W, mb3.5/3, mb1 3.9/4, mb1mx3.6/20, ML3.1/1, Error ellipse: s-maj=130.0km s-min=14.5km az=63.0

CASC 08 16:45:21.3-1.3, 12.02N-87.64W, h86km, MD4.0

Table listing station names, codes, and various parameters for the CASC station group.

IDD 08 17:15:40.7-1.8, 24.84S-115.92W, mb3.7/3, mb1 4.1/3, mb1mx3.8/18, Error ellipse: s-maj=79.5km s-min=56.3km az=100.0, Southern East Pacific Rise

Table listing station names, codes, and various parameters for the Southern East Pacific Rise.

IDD 08 17:19:20.4-6.21, 30Sx175.93W, mb3.9/5, mb1 4.1/5, mb1mx3.8/18, Error ellipse: s-maj=138.0km s-min=89.3km az=167.0, Tonga Islands

Table listing station names, codes, and various parameters for the Tonga Islands.

IDD 08 17:22:54.9-0.9, 24.91Sx116.23W, mb4.4/12, mb1 4.6/12, mb1mx4.4/23, MS3.8/1, MS1 3.8/1, ms1mx3.5/29, Error ellipse: s-maj=29.8km s-min=21.0km az=52.0

Table listing station names, codes, and various parameters for the IDD 17:22:54.9 station group.

IDD 08 17:22:55.3-0.5, 24.74Sx116.10W, h10.0km, h87.0, c=1919/37, mb4.5/23, MS4.6/3, 1C-3D, Southern East Pacific Rise

Large table listing station names, codes, and various parameters for the Southern East Pacific Rise.

166

Table listing station names, codes, and various parameters for the 166 period.

Table listing station names, codes, and various parameters for the 166 period.

Table listing station names, codes, and various parameters for the 166 period.

Table listing station names, codes, and various parameters for the 166 period.

Table listing station names, codes, and various parameters for the 166 period.

Table listing station names, codes, and various parameters for the 166 period.

Table listing station names, codes, and various parameters for the 166 period.

Table listing station names, codes, and various parameters for the 166 period.

Table listing station names, codes, and various parameters for the 166 period.

Table listing station names, codes, and various parameters for the 166 period.

Table listing station names, codes, and various parameters for the 166 period.

Table listing station names, codes, and various parameters for the 166 period.

Table listing station names, codes, and various parameters for the 166 period.

Table listing station names, codes, and various parameters for the 166 period.

Table listing station names, codes, and various parameters for the 166 period.

Table listing station names, codes, and various parameters for the 166 period.

Table listing station names, codes, and various parameters for the 166 period.

Table listing station names, codes, and various parameters for the 166 period.



Table with columns: Station, Frequency, Power, Class, and Offset. Includes stations like Paso Flores, Limon Verde, Limon Verde, and Scott Base.

Table with columns: Station, Frequency, Power, Class, and Offset. Includes stations like SBA, SBA, SBA, and Scott Base.

Table with columns: Station, Frequency, Power, Class, and Offset. Includes stations like BOZ, BOZ, BOZ, and Scott Base.

Table with columns: Call Sign, Station Name, Frequency, Power, and other technical details. Includes stations like CTAO Charters Tower, EYAK Cordova Ski Arr, and various other call signs.

Table with columns: Call Sign, Station Name, Frequency, Power, and other technical details. Includes stations like GRF Grafenberg Arr, Beijing, KHC Kasperke Hory, and various other call signs.

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like BVAR, KURK Kurchatov, WMO Urumqi, and various other call signs.

Table with columns: Code, Station Name, Frequency, Azimuth, Phase, ID, Time, Res. Includes stations like Warramunga Arr, Alice Springs, ASAR, AS12, etc.

GUC 08 17:42:19.0,0.28,08S:66.63W,h165km,ML5.9
NEIC 08 17:42:21.5,0.3,28.04S:66.84W,mb4.5/24, Error ellipse: s-maj=8.7km s-min=5.1km az=95.0

IDC 08 17:42:21.5,0.6,27.86S:66.44W,h172km,5km,mb4.1/11,mb1.4/2/15,mb1mx4.1/20,MS3.1/11,MS1.3/11,ms1mx2.9/16, Error ellipse: s-maj=16.3km s-min=9.9km az=70.0

SYO 08 17:42:21.5,28.04S:66.84W,h172km,MB4.5
BUJ 08 17:42:23.5,28.00S:69.60W,h172km,MB4.5
ISC 08 17:42:18.8,6.6,28.01S:63.66W,0.05,h163km,5km,h172km,1.6km;PP-P,n95,e1904/81,mb4.4/26,11C-10D, Catamarca Province

Table with columns: Code, Station Name, Frequency, Azimuth, Phase, ID, Time, Res. Includes stations like Copiapo, Vallenar, La Serena, Cerro Paranal, etc.

Table with columns: Code, Station Name, Frequency, Azimuth, Phase, ID, Time, Res. Includes stations like SDCO, Paradox, MAW, MAW, etc.

WEL 08 17:57:52.4,0.2,37.27S:177.81E,h106km,1km,ML3.5/2,1C-1D, Error ellipse: s-maj=2.0km s-min=1.6km az=90.0, Off east coast of North Island

Table with columns: Code, Station Name, Frequency, Azimuth, Phase, ID, Time, Res. Includes stations like MXZ, PUZ, MWZ, etc.

IDC 08 18:15:48.2,1.7,35.47N:70.35E,mb3.5/4,mb1.3/7.6,mb1mx3.4/20,ML3.8/2,MS3.7/1,MS1.3/8.1,ms1mx3.0/17, Error ellipse: s-maj=45.2km s-min=29.4km az=50.0
NEIC 08 18:15:53.7,1.0,35.58N:70.37E,h35km, Error ellipse: s-maj=17.7km s-min=15.4km az=94.0
NMC 08 18:16:22.1,3.2,37.02N:71.29E,h242km,17km,mpv4.0, Error ellipse: s-maj=40.5km s-min=30.7km az=57.0
ISC 08 18:16:15.4,3.6,36.6N:0.2,71.1E,0.2,h225km,29km,n17,az=077/18,mb3.0/4,3C-2D, Afghanistan-Tajikistan border

Table with columns: Code, Station Name, Frequency, Azimuth, Phase, ID, Time, Res. Includes stations like KK31, MK31, MKAR, etc.

NEIC 08 18:36:32.5,0.4,4.178N:88.09E,h10km,mb4.1/8, Error ellipse: s-maj=12.7km s-min=6.7km az=46.0
BUJ 08 18:36:33.7,1.1,4.56N:88.11E,h8km,mb4.2,mb4.3,ML4.0,MS3.0,MS3.6

IDC 08 18:36:35.4,0.9,4.174N:88.10E,h32km,5km,mb3.4/8,mb3.9/11,mb1mx3.5/22,ML3.3/9, Error ellipse: s-maj=28.2km s-min=15.5km az=48.0
NMC 08 18:36:41.7,13.0,42.31N:88.15E,h79km,143km,mpv4.0, Error ellipse: s-maj=274.2km s-min=99.2km az=46.0
ISC 08 18:36:34.2,1.7,41.84N:0.10,88.1E,0.1,h34km,15km,h33km,1.7km;PP-P,n36,e191/38,mb3.9/13,2C-4D, Southern Xinjiang

Table with columns: Code, Station Name, Frequency, Azimuth, Phase, ID, Time, Res. Includes stations like WMQ, WMO, WMQ, MK31, MKAR, etc.





8d 19h

2004 JUL

Table with columns for station call signs (e.g., DBIC, MA2, BORG), frequencies, and other parameters. Includes sub-sections like DBIC, MA2, BORG, etc.

Table with columns for station call signs (e.g., CLL, Collm, LVZ, MAJ), frequencies, and other parameters. Includes sub-sections like CLL, Collm, LVZ, MAJ, etc.

Table with columns for station call signs (e.g., LZH, LZH, KIS, KIS), frequencies, and other parameters. Includes sub-sections like LZH, LZH, KIS, KIS, etc.

Table with columns: LSA, Lhasa, PKP, PKPdf, etc. Includes station names like Lhasa, Pulchoki, Kankani, etc.

Table with columns: PLCA, Paso Flores, NNA, Nana, etc. Includes station names like Paso Flores, Nana, Brasilia, etc.

Table with columns: CN2, Changchun, CN2, Kunming, etc. Includes station names like Changchun, Kunming, etc.

JMA 08 19:57:43.0, 0.2, 24.26N-122.16E, h43km, M2.3. Includes station names like Yonaguni jima, etc.

Table with columns: QSPA, South Pole, SWET, Sewanee, etc. Includes station names like South Pole, Sewanee, etc.

Table with columns: NJ2, Nanjing, KMI, Kunming, etc. Includes station names like Nanjing, Kunming, etc.

WEL 08 20:12:27.1, 0.2, 40.18S-173.58E, h161km, ML3.7/3. Includes station names like Dawson Falls, etc.

Table with columns: CLNB, Carlsbad, GD2L, Guadalupe Moun, etc. Includes station names like Carlsbad, Guadalupe Moun, etc.

Table with columns: HRVD 08 20:36:55.6, 0.5, 33.20S-179.52W, h87km, 6km, MW5.2/46. Includes station names like Matakaoa Point, etc.

Table with columns: DFE, Dawson Falls, NEZ, North Eggmont, etc. Includes station names like Dawson Falls, North Eggmont, etc.

Table with columns: SDCO, Great Sand Dun, SDCO, Pinedale Array, etc. Includes station names like Great Sand Dun, Pinedale Array, etc.

Table with columns: Code, Station Name, etc. Includes station names like Matakaoa Point, etc.

BJJ 08 20:20:53.4, 27.29S-69.72W, h83km, mB5.3, Ms5.4, Ms25.3. Includes station names like Copiapo, etc.

Table with columns: PDAR, Pinedale Array, SPUR, South Promont, etc. Includes station names like Pinedale Array, South Promont, etc.

Table with columns: Code, Station Name, etc. Includes station names like Matakaoa Point, etc.

Table with columns: CPCH, Copiapo, CPCH, Copiapo, etc. Includes station names like Copiapo, etc.

Table with columns: ULM, Lac du Bonnet, ULM, Lac du Bonnet, etc. Includes station names like Lac du Bonnet, etc.

Table with columns: Code, Station Name, etc. Includes station names like Matakaoa Point, etc.

Table with columns: LVC, Limon Verde, LVC, Limon Verde, etc. Includes station names like Limon Verde, etc.

Table with columns: WWR, Warramunga Arr, WRA, Warramunga Arr, etc. Includes station names like Warramunga Arr, etc.

Table with columns: Code, Station Name, etc. Includes station names like Matakaoa Point, etc.

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

Table with columns: WMO, Warramunga Arr, WMO, Warramunga Arr, etc. Includes station names like Warramunga Arr, etc.

Table with columns: Code, Station Name, etc. Includes station names like Matakaoa Point, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like THZ Tophouse, KHZ Kahutara, DSZ Denniston North, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like WMQ Makanchi Array, MKAR Makanchi Array, KURK Kurchatov, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like FITZ Fitzroy Crossi, STKA Stephens Creek, STKA Stephens Creek, etc.

NEIC 08 21:01:49.0, 0.3, 4.89S, 144.21E, mb4.6/23, Error ellipse: s-maj=9.3km, s-min=6.1km, az=87.0

NEIC 08 21:06:23.3, 36.43N, 22.29E, h30km, MD3.5(ATH), After ATH

Table with columns for station name, frequency, power, and other technical details. Includes stations like VLI Veliaili, KYTH Kithira, ITM Ithomi, etc.







Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res. Includes stations like PINO, CCGP, YANA, QUILTOA, etc.

Table with columns: MCK, McKinley, 84.21 18 P P, 00 47 41.0 -1.0. Includes stations like MINA, MINA, MINA, etc.

Table with columns: EMIN, Mina Concepcion, 1.08 30 P P, 00 49 55.2 +0.6. Includes stations like EMIN, EMIN, EMIN, etc.

NEIC 09 00:18:53.5, 28.84s:71.39W, h41km, MD3.9(GUC), After GUC.

GUC 09 00:18:53.0, 6.28.84S:71.39W, h41km, 2km, MD3.9, ML3.7, 2D, Near coast of central Chile

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res. Includes stations like VACH, VACH, VACH, etc.

AKAS Malin Array Bt 129.75 326 PKP PKPdf

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res. Includes stations like AKAS, AKAS, AKAS, etc.

DJA 09 01:23:11.6+1.2, 9.89S:116.10E, h2km, ML3.6/3, 1C-5D, Error ellipse: s-maj=28.2km s-min=19.6km az=135.0, Sumbawa region

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res. Includes stations like RATA, RATA, RATA, etc.

IDC 09 00:33:42.4:43.0, 15.05S:165.82E, mb3.9/4, mb1 4.0/4, mb1mx3.8/14, Error ellipse: s-maj=743.0km s-min=95.0km az=68.0, Vanuatu Islands

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res. Includes stations like STKA, WARRAMUNGA ARR, ASAR, FITZ, etc.

ORIF Oris-en-Rattie 144.98 336 ePKP1

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res. Includes stations like ORIF, ORIF, ORIF, etc.

IDC 09 01:34:54.0:7.5, 23.39S:179.96E, h592km, 90km, mb3.3/6, mb1 3.5/6, mb1mx3.2/16, Error ellipse: s-maj=58.0km s-min=28.9km az=23.0

NEIC 09 01:34:55.6:4.9, 23.44S:179.91E, h614km, 58km, Error ellipse: s-maj=41.6km s-min=20.9km az=209.0

ISC 09 01:34:53.2:1.3, 23.45S:179.92E, 0.2, h600km, n13, 0943/10, mb4.0/6, South of Fiji Islands

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res. Includes stations like RPZ, RPZ, RPZ, etc.

LDG 09 00:35:11.7:0.3, 12.58S:167.49E, h10km, Mb4.4/2, Error ellipse: s-maj=44.7km s-min=14.0km az=90.0

IDC 09 00:35:29.8:2.3, 13.65S:167.18E, h165km, 18km, mb4.1/16, mb1 4.2/16, mb1mx4.2/18, MS3.4/1, Ms1 3.4/1, mb1mx2.9/20, Error ellipse: s-maj=20.8km s-min=13.8km az=125.0

NEIC 09 00:35:32.4:3.2, 13.63S:167.12E, h192km, 27km, mb4.7/12, Error ellipse: s-maj=15.4km s-min=9.8km az=91.0

BUI 09 00:35:35.5, 12.61S:166.15E, h161km, mb5.0, mb4.9

ISC 09 00:35:31.7:3.4, 13.67S:167.1E, 0.1, h195km, 30km, n98, 0981/38, mb4.2/24, 5C-1D, Vanuatu Islands

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res. Includes stations like PMG, PMG, PMG, etc.

ELAN Lanestosa 149.42 346 PKP PKPdf

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res. Includes stations like ELAN, ELAN, ELAN, etc.

MDD 09 01:53:51.3:0.7, 41.43N:7.91W, h8km, 10km, mbLg1.1/3, Error ellipse: s-maj=7.7km s-min=2.5km az=70.0, PRXIMO

INMG 09 01:53:52.3:0.9, 41.39N:7.89W, h8km, 5km, ML0.7, Error ellipse: s-maj=9.0km s-min=6.1km az=102.0

ISC 09 01:53:50.4:1.2, 41.42N:0.06.80W:0.1, h11km, 7km, n10, 0938/11, Portugal

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res. Includes stations like PVRL, PVRL, PVRL, etc.

IDC 09 00:39:44.4:14.0, 6.90S:129.18E, h145km, 151km, mb3.2/1, mb1 3.5/4, mb1mx3.3/12, ML3.6/3, Error ellipse: s-maj=100.0km s-min=55.5km az=34.0

ISC 09 00:39:49.2:9.7, 35.20S:129.42E, 0.1, h162km, 34km, n6, 0952/10, mb3.4/1, 2D, Banda Sea

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

INMG 09 00:49:36.0:1.4, 36.75N:7.38W, h30km, 50km, ML1.1, 7, Error ellipse: s-maj=6.9km s-min=4.1km az=30.0

MDD 09 00:49:36.2:1.1, 36.77N:7.40W, h48km, 19km, mb2.9/3, Error ellipse: s-maj=13.3km s-min=6.6km az=14.0, PRXIMO

ISC 09 00:49:35.1:1.1, 36.84N:0.07.7.36W:0.05, h65km, 10km, n16, 0976/31, 2C, Strait of Gibraltar

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res. Includes stations like ERIP, ERIP, ERIP, etc.

IGL 09 01:58:48.9, 36.30N:14.20W, h2km, ML3.2

MDD 09 01:58:48.5:1.9, 36.36N:14.29W, mb4.5/8, Error ellipse: s-maj=18.5km s-min=17.4km az=178.0, PRXIMO

INMG 09 01:58:50.1:1.7, 36.16N:14.65W, h10km, ML2.6, Error ellipse: s-maj=7.7km s-min=6.5km az=106.0

NEIC 09 01:58:50.8:7.0, 36.45N:14.13W, h10km, MG4.3(MDD), Error ellipse: s-maj=77.3km s-min=8.8km az=58.0

ISC 09 01:58:52.2:0.9, 36.67N:0.05:13.86W:0.06, h10km, n59, 09150/110, Azores-Cape St. Vincent Ridge

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res. Includes stations like PTEO, PTEO, PTEO, etc.

CMAR Chiang Mai Arr 74.34 294 comp=2.3, 2nm, 0.7s, mb4.3, baz=129, slow=4.8, SNR=23

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res. Includes stations like CMAR, HHC, HHC, etc.

Code Station Name A° AZ° Phase ID Time Res

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res. Includes stations like ERIP, ERIP, ERIP, etc.

Code Station Name A° AZ° Phase ID Time Res

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res. Includes stations like PTEO, PTEO, PTEO, etc.

Table of seismic stations and events for the 9d 3h period. Columns include station name, time, magnitude, depth, and location. Events are listed with their respective parameters like magnitude, depth, and location.

Summary table for the 9d 3h period, listing station names, times, and magnitudes for specific events.

Table of seismic stations and events for the FITZ Fitzroy Crossi 10.48 194.1P event. Includes station names, times, and magnitudes.

Table of seismic stations and events for the OTT 09:02:18:08.8-2.59.52N:60.67W,h18km,ML3.2/6 event. Includes station names, times, and magnitudes.

Table of seismic stations and events for the ISC 09:02:22:06.7-3.3, 11.43S; 118.19E, mb3.7/2, mb1 3.6/4 event. Includes station names, times, and magnitudes.

Table of seismic stations and events for the MEX 09:02:28:30.3-1.0, 15.98N-97.01W, h23km, 80km, MD3.7 event. Includes station names, times, and magnitudes.

Table of seismic stations and events for the WAR 09:02:33:54.9, 0.29.22N:18.86E, ML2.4, Mining Induced event. Includes station names, times, and magnitudes.

Table of seismic stations and events for the ISC 09:02:35:51.5-4.5, 23.23S; 179.51E, h502km, 36km, mb3.2/4 event. Includes station names, times, and magnitudes.

Table of seismic stations and events for the WBR Warramunga Arr 41.98 267 event. Includes station names, times, and magnitudes.

Table of seismic stations and events for the IDC 09:02:36:05.0-4.6, 23.08S; 179.49E, h501km, 37km, mb3.2/4 event. Includes station names, times, and magnitudes.

Table of seismic stations and events for the IDC 09:02:44:20.8-2.9, 5.71S; 102.78E, h41km, 7km, mb3.6/6 event. Includes station names, times, and magnitudes.

Table of seismic stations and events for the INMG 09:03:06:10.4-1.34, 86N; 4.06W, h8km, 17km, ML2.3, Error event. Includes station names, times, and magnitudes.

Table of seismic stations and events for the ELOJ Sierra Loja 2.11 360 event. Includes station names, times, and magnitudes.



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ACCN Adirondack Com, NCB Newcomb, VIB Van Inlet, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MGP Maguayo, LSP Las Mesas, ROPR Roper, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PDAR Pinedale Array, PDAR Pinedale Array, VNA3 Neumayer Olymp, etc.

RSPR 09 03:41:28.4, 17.06N-68.07W, h59km, 8km, MD3.5/5, MD3.5/5, 1C-4D, Mona Passage

NEIC 09 04:38:59.7, 0.7, 27.38S x 113.90W, h10km, mb4.5/3, Error ellipse: s-maj=29.3km s-min=16.5km az=75.0

NEIC 09 04:38:58.0, 1.0, 27.45S x 113.90W, h10km, mb4.5/3, Error ellipse: s-maj=29.3km s-min=16.5km az=75.0

NEIC 09 04:38:58.0, 1.0, 27.45S x 113.90W, h10km, mb4.5/3, Error ellipse: s-maj=29.3km s-min=16.5km az=75.0

NEIC 09 04:38:58.0, 1.0, 27.45S x 113.90W, h10km, mb4.5/3, Error ellipse: s-maj=29.3km s-min=16.5km az=75.0

NEIC 09 04:38:58.0, 1.0, 27.45S x 113.90W, h10km, mb4.5/3, Error ellipse: s-maj=29.3km s-min=16.5km az=75.0

NEIC 09 04:38:58.0, 1.0, 27.45S x 113.90W, h10km, mb4.5/3, Error ellipse: s-maj=29.3km s-min=16.5km az=75.0

NEIC 09 04:38:58.0, 1.0, 27.45S x 113.90W, h10km, mb4.5/3, Error ellipse: s-maj=29.3km s-min=16.5km az=75.0

NEIC 09 04:38:58.0, 1.0, 27.45S x 113.90W, h10km, mb4.5/3, Error ellipse: s-maj=29.3km s-min=16.5km az=75.0

1.8nm,1.1s,baz=225,slow=3.5,SNR=4.2
BVAR Borovoye Array 154.153 PKPbc PKPdf 04 59 01.0 +8.6

NEIC 09 04:42:05.6:1.0,27.345:114.119W,h10km, Error ellipse:
s-maj=33.1km s-min=27.7km az=56.0
IDC 09 04:42:05.0:1.5,27.133:114.06W,mb4.17,mb1 4.4/7,
mb1mx4.1/19, Error ellipse: s-maj=48.4km s-min=39.6km
az=52.0

ISC 09 04:42:06.6:3.4,26.8S:0.6:113.9W:0.5,h10km,n17,
o=62/12,mb4.1/8,Easter Island,8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists stations like LPAZ, TXAR, TUCSON, LDFC, etc.

NEIC 09 04:43:45.8,32.51N:115.74W,h6km,ML3.7(PAS),After PAS.

ECX 09 04:43:46.6:0.7,32.54N:115.75W,h5km,4km,MD3.8,
ML3.7,10C-4D,Fault plane solution: NP1,0=120°,890°,

7.0°, California-Baja California border region

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

NEIC 09 05:02:49.6,32.53N:115.75W,h7km,ML3.3(PAS),After PAS.

ECX 09 05:02:50.0:0.8,32.55N:115.75W,h4km,4km,MD3.5,
ML3.5,8C-7D, California-Baja California border region

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

NAO 09 05:07:05.1:7.1,82.31N:29.27E,ML2.3,North of Svalbard

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

Error ellipse: s-maj=2.1km s-min=0.9km az=90.0, South Island

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

IDC 09 05:32:04.0:4.7,31.89N:14.61E,mb3.8/4,mb1 3.9/6,
mb1mx3.7/23,ML3.9/2, Error ellipse: s-maj=96.8km,

s-min=41.6km az=53.0, Near coast of Libya

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

IDC 09 05:39:27.5:6.9,6.22N:126.78E,h75km,62km,mb3.9/14,
mb1 4.0/14,mb1mx3.9/20,MS3.9/1,MS1 3.3/1,

ms1mx2.7/29, Error ellipse: s-maj=92.9km s-min=14.0km
az=65.0

MAN 09 05:39:28.3,6.32N:126.75E,h69km,mb4.6,ML3.5,MS3.5

NEIC 09 05:39:28.5:0.5,6.24N:126.76E,h85km, Error ellipse:
s-maj=31.6km s-min=8.2km az=69.0

ISC 09 05:39:27.3:0.8,6.19N:0.05:126.67E:0.08,h89km,6km,
n33,o=88/38,mb4.0/14,1D,Mindanao

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

HEL 09 05:56:09.8:0.2,60.16N:25.23E,ML1.7,ML1.7(UPP),
ML2.1(NAO),Explosion

BER 09 05:56:09.3:4.0,60.17N:25.31E,ML2.1(NAO)

NAO 09 05:56:11.0:4.7,60.29N:24.99E,ML2.1

ISC 09 05:56:08.0:8.0,60.20N:0.07:25.22E:0.08,n22,o=93/27,

1 Island

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

IGGU Iggoen 3.96 283 eP Pn 05 57 11.4 -0.4

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

MAN 09 06:03:31.3,8.44N:125.84E,h11km,mb4.7,ML3.6,MS3.6,
3C,Mindanao

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

IDC 09 06:31:42.9:1.5,41.50S:87.57W,mb4.1/6,mb1 4.3/7,
mb1mx4.2/16,ML3.9/1,MS3.8/10,MS1 3.8/10,

ms1mx3.5/23, Error ellipse: s-maj=35.1km s-min=31.3km
az=75.0

NEIC 09 06:31:45.4:1.1,41.19S:87.75W,h10km,mb4.5/1, Error
ellipse: s-maj=24.9km s-min=19.8km az=215.0

ISC 09 06:31:43.0:0.9,41.4S:0.1:87.7W:0.2,h10km,n25,
o=123/21,mb3.8/8,MS3.8/8,2D,West Chile Rise

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

IDC 09 06:34:25.0:3.6,29.98N:87.53E,mb3.5/2,mb1 3.6/4,
mb1mx3.4/19,ML3.0/4, Error ellipse: s-maj=84.7km

s-min=43.1km az=66.0,Kizang

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

IDC 09 06:38:31.4:5.4,15.04S:174.86W,mb3.8/3,mb1 4.1/3,

mb1mx3.7/15, Error ellipse: s-maj=301.0km

s-min=35.8km az=145.0,Tonga Islands

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

IDC 09 07:02:29.9:1.3,24.08N:122.38E,mb3.7/5,mb1 3.8/5,
mb1mx3.6/21, Error ellipse: s-maj=62.9km s-min=26.5km

az=63.0

TAP 09 07:02:33.5,23.92N:122.30E,h14km,1km,ML3.7

JMA 09 07:02:34.0:2.0,23.96N:122.35E,h14km,ML3.4

ISC 09 07:02:32.3:1.8,24.0N:0.1:122.17E:0.05,h24km,n11km,
n11,o=66/17,mb3.6/5,Taiwan region

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

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

NEIC 09 07:12:05.1, 15.94N-99.07W, h16km, MD4.1 (MEX), After MEX.

MEX 09 07:12:06.4, 0.8, 16.03N-99.03W, h17km, 15km, MD4.1

ISC 09 07:12:03.0, 1.4, 16.00N-0.06, 99.05W, 0.04, h25km, 10km, n19, r13/37, Near coast of Guerrero

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

MAN 09 07:19:53.0, 19.20N-121.10E

BUJ 09 07:19:54.0, 18.98N-121.11E, h9km, mb4.3, ML4.1, MS3.6, MSz3.3

NEIC 09 07:19:54.3, 3.3, 18.77N-121.22E, h21km, 25km, mb4.2/3, Error ellipse: s-maj=10.8km s-min=9.3km az=72.0

ISC 09 07:19:58.0, 3.5, 18.84N-121.35E, h52km, 33km, mb3.7/10, mb1.3/12, mb1mx3.8/22, ML4.1/2, MS3.5/11, MS1.3/6/11, ms1mx3.3/33, Error ellipse: s-maj=28.0km s-min=14.3km az=71.0

ISC 09 07:19:57.4, 0.7, 19.15N-121.16E, 0.06, h40km, 11km, n46, r095/53, mb3.9/12, MS3.5/11, 2C-2D, Philippine Islands region

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

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

ISK 09 07:22:22.2, 35.26N-34.27E, h12km, MD3.2

NEIC 09 07:22:24.2, 35.28N-33.88E, h35km, ML2.9(NIC), After NIC.

NIC 09 07:22:24.0, 4.0, 35.28N-33.88E, h35km, ML2.9, MW2.7

ISC 09 07:22:23.4, 1.9, 35.10N-0.08, 33.95E, 0.10, h59km, 12km, n9, r06/66, 18, 4C-2D, Cyprus region

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

ISC 09 07:38:10.2, 2.5, 33.00N-82.63E, mb3.4/4, mb1.3/8.5, mb1mx3.5/19, ML3.7/11, MS2.9/1, Ms1.3/11, ms1mx2.6/17, Error ellipse: s-maj=76.4km s-min=27.6km az=74.0

NEIC 09 07:38:13.9, 0.9, 33.20N-83.32E, h10km, mb4.0/1, Error ellipse: s-maj=28.9km s-min=13.2km az=60.0

ISC 09 07:38:11.6, 0.8, 33.21N-0.08, 83.22E, 0.10, h10km, n13, r130/13, mb3.7/5, MS2.7/1, Xizang

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

NEIC 09 07:59:04.1, 2.0, 51.60N-16.16E, h5km, ML3.3(VIE), ML2.7(BRG), Error ellipse: s-maj=22.0km s-min=8.1km az=22.0

PRU 09 07:59:06.2, 51.50N-16.12E

WAR 09 07:59:06.2, 51.53N-16.11E, h1km, Location given by KURK

ISC 09 07:59:03.8, 0.8, 51.50N-0.04, 16.08E, 0.04, n16, r17/35, ID, Poland

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

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

MOS 09 08:24:53.2, 1.5, 85.26N-94.51E, h10km, mb4.4/13, Error ellipse: s-maj=99.9km s-min=13.2km az=88.5

IDC 09 08:24:53.0, 6.0, 85.20N-94.55E, mb3.9/17, mb1.4/1/19, mb1mx4.1/23, ML3.5/2, MS3.7/20, Ms1.3/8/20, ms1mx3.6/30, Error ellipse: s-maj=18.8km s-min=12.4km az=134.0

BUJ 09 08:24:55.9, 85.20N-93.20E, h10km, mb4.9, mb4.6, Ms4.3, MSz4.2

NEIC 09 08:24:56.0, 0.3, 85.25N-93.24E, h10km, mb4.6/22, MS4.1/10, Error ellipse: s-maj=9.9km s-min=6.4km az=134.0

ISC 09 08:24:53.9, 1.9, 85.28N-0.04, 92.9E, 0.6, h8km, 12km, n116, r127/115, mb4.4/43, MS3.8/36, 2C-1D, North of Severnaya Zemlya

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



Table with columns: Call Sign, Name, Frequency, Band, and other parameters. Rows include OBIN, OBVN, OBV, OBW, etc., listing various radio stations and their characteristics.

Table with columns: Call Sign, Name, Frequency, Band, and other parameters. Rows include BINY, BINY, HWUT, HWUT, HWUT, etc., listing various radio stations and their characteristics.

GUC 09 08:48.9.0.0.64.3046S.70.09W, h8km, 2km, MD3.7, ML2.4, 2C-1D, Chile-Argentina border region

Table with columns: Code, Station Name, Frequency, Band, and other parameters. Rows include LMEI, LMEI, LMEI, etc., listing stations in the Chile-Argentina border region.

IDL 09 09:00:16.7:3.3, 64.55N:31.80E, h19km, 17km, mb1 2.9/4, mb1mx2, 8/20, ML2, 4/4, Error ellipse: s-maj=46.1km

HEL 09 09:00:17.0:4.64: 103.0.69E, ML1.6 Explosion ISC 09 09:00:15.0:0.9, 64.71N, 0.04:30.6E:0.2, n10, s120/13, Finland-Karelia border region

Table with columns: Code, Station Name, Frequency, Band, and other parameters. Rows include MSF, MSF, MSF, etc., listing stations in the Finland-Karelia border region.

IDL 09 09:15:51.1:1.0.2, 2.79N:124.74E, mb3.8/4, mb1 4.1/4, mb1mx3.7/17, Error ellipse: s-maj=206.0km, s-min=120.0km, az=130.0, Celebes Sea

Table with columns: Code, Station Name, Frequency, Band, and other parameters. Rows include FITZ, FITZ, FITZ, etc., listing stations in the FITZ region.

NEIC 09 09:19:50.0:0.15, 05S:174.88W, h170km, mb4.5/13, Error ellipse: s-maj=15.9km, s-min=9.2km, az=136.0

ISL 09 09:19:53.4:7.2.15, 19S:174.87W, h191km, 66km, mb4.0/12, mb0.1, 2.12, mb1mx4.0/17, MS3.5/2, Ms1 3.5/2, ms1mx3.2/19, Error ellipse: s-maj=21.6km, s-min=16.1km, az=134.0

ISC 09 09:19:42.0:0.4, 15.1S:10.1x174.9W, 0.1, h100km, n43, s067/32, mb4.3/20, 4C-2D, Tonga Islands

Table with columns: Code, Station Name, Frequency, Band, and other parameters. Rows include Code, Station Name, Frequency, Band, etc., listing various radio stations and their characteristics.

IDL 09 09:34:07.5:0.6, 14.45S:167.89E, mb4.8/16, mb1 4.9/16, mb1mx4.9/17, MS4.4/115, MS1.4/115, ms1mx4.0/21, Error ellipse: s-maj=21.5km, s-min=16.4km, az=122.0

BUI 09 09:34:10.9, 14.14S:167.93E, h16km, mb5.0, mb5.0, Ms4.6, Ms24.2

LDG 09 09:34:11.0:1.0.2, 14.40S:167.24E, h10km, Mb5.3/4, Error ellipse: s-maj=23.2km, s-min=6.2km, az=86.0

HRVD 09 09:34:13.5:0.4, 14.43S:167.99E, h12km, MW4.9/35, Centroid moment Tensor Solution. LP body waves: s13.c14, Mantle waves: s35.c55; Hall duration: 0 Moment tensor: Scale 10^19Nm; Mrr1.70E-10; Mss1.05E-10; Mss2.06E-08; Mss-0.71E-40; Mss-0.19E-09; Mss2.06E-26; Best double couple: M2.89E+16 NP1.59E+22; s115°; M2.34E+18; Principal axes: T 2.75, P16.84, Azm238°; N 28, Plg9°, Azm347°, P-3.03, Plg24°, Azm81°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 09 09:34:13.5:0.2, 14.59S:167.92E, mb5.0/36 Error ellipse: s-maj=7.1km, s-min=5.0km, az=129.0

ISC 09 09:34:07.4:3.6, 14.60S:0.06:167.88E:0.06, h15km, 25km, h35km, 2.9km, pP-P, n122, s089/91, mb5.0/56, MS4.1/18, 13C-5D, Vanuatu Islands

Table with columns: Code, Station Name, Frequency, Band, and other parameters. Rows include Code, Station Name, Frequency, Band, etc., listing various radio stations and their characteristics.

Table of astronomical observations for 9d 10h, listing station names, coordinates, and observation details.

Table of astronomical observations for 2002 JUL, listing station names, coordinates, and observation details.

Table of astronomical observations for 184, listing station names, coordinates, and observation details.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Kanaga Island, Nikolski, Attu Island, etc.

NIED 09 10:54:00, 39.90N, 141.10E, h5km, Mw4.1 Best double couple: Mo1.73x10^15 NP1.9x14, 855°, λ68°. NP2:φ=229°, δ41°, λ117°.

JMA 09 10:54:12.9, 39.92N, 141.03E, h9km, Mw4.4 Broadband fault plane solution: P waves. NP1:φ=228°, δ43°, λ119°. NP2:φ=11°, δ53°, λ66°. Principal axes: T P107°, Azm222°; N P119°, Azm26°; P P155°, Azm118°.

MOS 09 10:54:13.7, 1.4, 39.89N, 141.46E, h33km, mb4.8/4 Error ellipse: s-maj=33.8km s-min=14.4km az=76.8

NEIC 09 10:54:15.9, 1.6, 39.97N, 140.87E, h24km, mb4.6/29, Mw4.1(NIED), Error ellipse: s-maj=7.0km s-min=4.2km az=144.0

NEIC Recorded [4 JMA] in Iwate and [1 JMA] in Akita and Aomori Prefectures. IDC 09 10:54:17.6, 3.2, 39.88N, 140.86E, h41km, mb4.0/22, mb1.4/223, mb1mx4.1/28, ML4.0/1, MS3.6/24, Ms1.3/24, ms1mx2.8/29, Error ellipse: s-maj=16.9km s-min=12.6km az=140.0

ISC 09 10:54:12.0, 0.6, 39.90N, 0.02-140.95E, 0.04, h10km, 3km, n120, s108/127, mb4.4/46, MS3.6/4, 2C-10D, Eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Kuzumaki, Hinai, Ohasama, Nango, etc.

Main table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like CN2, CBJJ, SSE, BJI, etc.

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

NIED 09 11:19:20, 23.90N, 121.40E, h26km, Mw3.8 Best double couple: Mo6.65x10^14 NP1.9x349°, 884°, λ52°. NP2:φ=87°, δ38°, λ170°.

TAP 09 11:19:28.8, 3.0, 23.90N, 121.50E, h20km, ML4.5 TAP Felt IV J at Shilin, III J at Hualien, III J at Hungye, I J at Nanshan, I J at Mingjian, I J at Chenggung, I J at Tsauling, I J at Lidau.

JMA 09 11:19:28.5, 0.3, 23.93N, 121.40E, h72km, M3.8 BJI 09 11:19:29.1, 23.82N, 121.12E, h15km, mb4.4, mb4.0, ML4.2, Ms3.5, Ms2.0

NEIC 09 11:19:31.6, 2.6, 23.85N, 121.75E, h51km, mb1.6km, Error ellipse: s-maj=12.7km s-min=9.1km az=62.0

NEIC Recorded [4 TAP] in Hualien; [1 TAP] in Chang-hua, Han, Nantou, Tain-tung and Yunlin Counties. IDC 09 11:19:31.1, 3.3, 23.85N, 121.74E, h50km, mb4.0/6/9, mb1.3/9/10, mb1mx3.7/22, ML4.1/1, MS3.0/1, Ms1.3/21, ms1mx2.7/28, Error ellipse: s-maj=23.1km s-min=16.6km az=68.0

ISC 09 11:19:29.4, 0.3, 23.86N, 0.01x121.54E, 0.02, h25km, 2km, n93, s192/161, mb3.9/10, MS2.8/1, 10C-5D, Taiwan

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ESL, HWA, HNY, etc.

Table listing station codes (e.g., TAP, TWB1, WU), station names (e.g., Santiao Chiao, Wu-fen Shan), time and resolution values, and source identifiers (e.g., S, P, Sb, Pn).

Table listing station codes, station names, and time and resolution values. Includes specific event entries like NIEd 09 12:02:00.43 and JMA 09 12:04:58.4.

Table listing station codes, station names, phase IDs, and time/resolution values. Focuses on the Kodiak Island region.

Table listing station codes, station names, and time/resolution values, continuing the list from the previous table.

Table listing station codes, station names, and time/resolution values, including event entries like JMA 09 12:04:58.4.

Table listing station codes, station names, phase IDs, and time/resolution values, including event entries like NIEd 09 12:33:00.26.

Table with columns for station name, frequency, power, and other technical details. Includes stations like PDAR, MSU, SRU, ULM, etc.

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

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

MAN 09 12:09:26.3, 12.88N-125.33E, h11km, mb5.1, ML4.1, MS4.3
BUJ 09 12:09:30.1, 12.71N-125.05E, h52km, MB4.8, mb4.7, MS4.2, MS4.1
NEIC 09 12:09:31.9, 1.7, 12.63N-125.09E, h62km, 15km, MB4.7/10, Error ellipse: s-maj=15.0km s-min=5.8km az=62.0
IDC 09 12:09:32.2, 2.6, 12.65N-125.13E, h63km, 22km, mb4.0/17, mb1 4.2/18, mb1mx4.1/24, MS3.8/5, Mst1 3.9/5, mst1mx3.5/25, Error ellipse: s-maj=26.1km s-min=10.1km az=72.0
ISC 09 12:09:24.3, 0.3, 12.88N-102.12547E, 0.03, h11km, n98, @129/113, mb4.5/31, MS3.9/11, 10C-BD, Samar

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like BESP, PVCP, PLP, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like SONM, PTA, CKI, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like KELI, KALI, CASO, etc.







mb1mx4.4/17, MS4.5/15, Ms1 4.5/15, ms1mx4.5/16, Error ellipse: s-maj=20.6km s-min=17.4km az=23.0

MOS 09 15:37:51.0,0.6,39.745:16.08W,h10km,m5.6/2, Error ellipse: s-maj=46.2km s-min=33.7km az=120.5

HRVD 09 15:37:53.2,0.2,39.845:15.76W,h12km,MW5.1/63, Centroid moment Tensor Solution. LP body waves: s3c,049;Mantle waves: s63,c102; Half duration: 0

NEIC 09 15:37:53.2,0.2,39.545:16.07W,h10km,m5.3/27, MS4.6/12, Error ellipse: s-maj=10.7km s-min=7.9km az=97.0

ISC 09 15:37:51.5,0.3,39.695:0.06:16.0W,0.1,h10km,n87, 0.83/60,m5.0/36, MS4.6/20,2C-3D,Tristan da Cunha region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Includes stations like SUR Sutherland, VNA1 Neumayer-Stat, TRQA Torquinet, etc.

Table with columns: LDF, FLN, FLN, HNF, HAU, MEZF, CDF, BRTR, BRTR, BAIF, BAIF, NWAQ, AKASG, AKASG, CMAR, MKAR, NVS, NVS, NVS, YKA, YKA, YKA, YKA, YKA, ZAK, SOMN, ILAR, ILAR, MCK, BJI, BJI, SML, IMA, GOU, SLKM, SPU, RSO, YAK, YAK, YAK, YAK, CN2, SDN, KLR, etc.

ISC 09 15:51:15.1,84.0,7.805x179.78E,mb3.7/3,mb1 3.9/3, mb1mx3.5/15, Error ellipse: s-maj=164.9km az=65.0, Tuvalu region

NEIC 09 16:08:04.6, 42.85S:-172.44E, h5km, ML3.8(WEL), After WEL

WEL 09 16:08:04.5,0.1,42.82Sx172.48E,h5km,ML3.8/11,3C-3D, Error ellipse: s-maj=1.3km s-min=0.8km az=90.0, South Island

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Includes stations like LTZ Lake Taylor, CRZL Canterbury Las, KHZ Kahutara, etc.

Table with columns: VRZ, VNZ, WNWZ, FWVZ, FWVZ, HIZ, etc. Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC.

ISC 09 16:09:33.9,9.1,6.50S:-129.87E,h50km,85km,mb4.2/1, mb1 4.4/4,mb1mx3.7/12,ML4.1/3, Error ellipse: s-maj=105.0km s-min=34.2km az=55.0

NEIC 09 16:09:36.1,4.9,6.62S:-129.57E,h65km,44km, Error ellipse: s-maj=61.1km s-min=21.1km az=49.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Includes stations like KAKA Kakadu, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

INMG 09 16:17:33.4,0.6,38.42N:9.42W,h8km,3km,ML1.8, Error ellipse: s-maj=5.3km s-min=1.4km az=90.0

MDD 09 16:17:33.6,1.2,38.41N:9.40W,mbLg2.0/4, Error ellipse: s-maj=10.7km s-min=4.3km az=81.0, PRXIMO

ISC 09 16:45:22.2,1.6,38.43N:0.05:9.4W,0.2,h5km,13km,n12, 0.69/18, Portugal

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Includes stations like PLOU Loures, MOE Montemor, PTEO Sao Teotónio, etc.

NEIC 09 16:26:53.2,1.4,36.20N:-3.87E,h40km, MG4.4(MDD), Error ellipse: s-maj=16.4km s-min=4.1km az=150.0

MDD 09 16:26:56.0,0.4,36.40N:-3.68E,mb4.3/16, Error ellipse: s-maj=4.9km s-min=4.1km az=48.0, PRXIMO

LDG 09 16:26:58.8,36.30N:-3.82E,h30km, STR 09 16:27:55.8,3.8,4.70N:-3.06E,h10km,1km,M13,3, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

ISC 09 16:26:55.3,0.4,36.55N:0.03:3.62E,0.03,h10km,n66, 0.18/91, Northern Algeria

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s, ISC. Includes stations like ADJB Djebel Djouab, AKET Djebel Ketaf, EMHD Djebel Mahoud, etc.

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

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

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

IDC 09 17:05:38.1±17.0, 22.17S:-174.58W, mb4.2/5, mb1 4.3/5, mb1mx3.9/18, Error ellipse: s-maj=318.0km

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

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

MOS 09 17:09:17.5±1.51.08N:156.58E, h122km, mb3.7/8, Error ellipse: s-maj=19.4km s-min=8.0km az=69.6

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

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

KAMCHATKA PENINSULA

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

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

JMA 09 16:37:13.9±0.1, 28.47N:140.47E, h386km, M3.5, Bonin Islands region

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

IDC 09 16:47:17.1±3.1, 30.86S:177.89W, mb3.5/2, mb1 3.8/3, mb1mx3.6/15, ML3.1/1, Error ellipse: s-maj=72.5km

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

MAN 09 17:41:42.5, 14.62N:123.17E, h1km, mb3.9, ML2.7, MS2.4

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

IDC 09 16:56:06.4±1.0, 14.61N:123.23E, 0.04, h17km±9km, n25, ±19.16/35, mb3.5/3D, Luzon

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

IDC 09 16:56:03.6±1.3, 14.53N:123.42E, mb3.3/5, mb1 3.6/6, mb1mx3.5/19, ML4.3/1, Error ellipse: s-maj=32.1km

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

JMA 09 17:46:10.5±0.3, 22.13N:121.49E, h104km, M2.8

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

IDC 09 16:56:06.4±1.0, 14.61N:123.23E, 0.04, h17km±9km, n25, ±19.16/35, mb3.5/3D, Luzon

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

IDC 09 16:56:06.4±1.0, 14.61N:123.23E, 0.04, h17km±9km, n25, ±19.16/35, mb3.5/3D, Luzon

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

MAN 09 18:24:01.4, 43.04N:177.54E, h3km, MD2.5(PDG), After PDG

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

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like RGNG, NVLJ, VBY, etc.

IDC 09 18:29:38.4,26.0,22.17S,-173.07W,mb4.3/4,mb1 4.4/4,mb1mx4.0/17,1D,Error ellipse: s-maj=483.0km s-min=144.9km az=76.0,Tonga Islands region

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

WEL 09 18:30:52.7,0.3,38.19S,178.44E,h26km,2km,ML3.5/2,2D,Error ellipse: s-maj=3.2km s-min=1.9km az=90.0,Off east coast of North Island

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like PUZ, MXZ, MWZ, etc.

BUI 09 18:45:33.8,8.48S,127.78E,h114km,mb5.0,mb5.0 MOS 09 18:45:39.0,1.8,7.86S,127.00E,h103km,mb4.6/6,Error ellipse: s-maj=27.7km s-min=13.0km az=119.2

NEIC 09 18:45:42.6,1.1,7.67S,127.31E,h115km,9km,mb4.6/28,Error ellipse: s-maj=11.4km s-min=4.7km az=59.0

IDC 09 18:45:43.4,3.9,7.67S,127.32E,h120km,34km,mb4.4/13,mb1 4.4/17,mb1mx4.2/21,MS3.0/2,MS1 3.0/2,ms1mx2.8/18,Error ellipse: s-maj=24.0km s-min=10.4km az=65.0

ISC 09 18:45:37.6,1.5,7.72S,120.06E,127.31E,0.07,h83km,15km,n92,1921778,mb4.8/43,7C,Banda Sea

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

IDC 09 18:50:54.8,0.7,26.85S,113.84W,mb4.5/18,mb1 4.6/18,mb1mx4.6/23,MS4.6/19,Ms1 4.5/19,ms1mx4.4/28,Error ellipse: s-maj=23.9km s-min=17.4km az=63.0

MOS 09 18:50:55.6,2.4,26.96S,113.96W,h10km,mb5.5/3,Error ellipse: s-maj=49.0km s-min=27.1km az=99.5

HRVD 09 18:50:56.9,0.2,27.12S,113.73W,h12km,MW5.2/63,Control moment Tensor Solution,LP body waves: s48,c69,Mantle waves: s63,c120; Half duration: 0; Moment tensor: Scale 10^16Nm; M=6.39E-16; Mw:0.41E+16; Mw:5.99E+13; Mw:1.16E+13; Mw:2.79E+12; Mw:0.36E+40; Best double couple: Mw:6.95E+10 NP1; phi:346,lambda:76; Azm:248; lambda:849; lambda:102; Principal axes: T:7.32,Plg3; N:-7.3,Plg9; Azm:156; P:-6.58,Plg80; Azm:356; nsta1 refers to body waves, cutoff=40s.

SYO 09 18:50:56.8,26.84S,113.70W,h10km,MB5.0,MS4.3 NEIC 09 18:50:56.9,0.2,26.84S,113.70W,h10km,mb5.0/35,mb4.3/14,Error ellipse: s-maj=10.5km s-min=5.9km az=84.0

BUI 09 18:50:57.8,26.80S,113.70W,h10km,mb5.2,MS4.8,MS2.7

ISC 09 18:50:54.8,0.3,26.85S,113.78W,0.05,h10km,n147,0979100,mb4.7/49,MS4.6/39,7C-7D,Easter Island region

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

Main table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like XAN, LZH, LZA, LSA, etc.

IDC 09 18:50:54.8,0.7,26.85S,113.84W,mb4.5/18,mb1 4.6/18,mb1mx4.6/23,MS4.6/19,Ms1 4.5/19,ms1mx4.4/28,Error ellipse: s-maj=23.9km s-min=17.4km az=63.0

MOS 09 18:50:55.6,2.4,26.96S,113.96W,h10km,mb5.5/3,Error ellipse: s-maj=49.0km s-min=27.1km az=99.5

HRVD 09 18:50:56.9,0.2,27.12S,113.73W,h12km,MW5.2/63,Control moment Tensor Solution,LP body waves: s48,c69,Mantle waves: s63,c120; Half duration: 0; Moment tensor: Scale 10^16Nm; M=6.39E-16; Mw:0.41E+16; Mw:5.99E+13; Mw:1.16E+13; Mw:2.79E+12; Mw:0.36E+40; Best double couple: Mw:6.95E+10 NP1; phi:346,lambda:76; Azm:248; lambda:849; lambda:102; Principal axes: T:7.32,Plg3; N:-7.3,Plg9; Azm:156; P:-6.58,Plg80; Azm:356; nsta1 refers to body waves, cutoff=40s.

SYO 09 18:50:56.8,26.84S,113.70W,h10km,MB5.0,MS4.3 NEIC 09 18:50:56.9,0.2,26.84S,113.70W,h10km,mb5.0/35,mb4.3/14,Error ellipse: s-maj=10.5km s-min=5.9km az=84.0

BUI 09 18:50:57.8,26.80S,113.70W,h10km,mb5.2,MS4.8,MS2.7

ISC 09 18:50:54.8,0.3,26.85S,113.78W,0.05,h10km,n147,0979100,mb4.7/49,MS4.6/39,7C-7D,Easter Island region

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

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

IDC 09 18:50:54.8,0.7,26.85S,113.84W,mb4.5/18,mb1 4.6/18,mb1mx4.6/23,MS4.6/19,Ms1 4.5/19,ms1mx4.4/28,Error ellipse: s-maj=23.9km s-min=17.4km az=63.0

MOS 09 18:50:55.6,2.4,26.96S,113.96W,h10km,mb5.5/3,Error ellipse: s-maj=49.0km s-min=27.1km az=99.5

HRVD 09 18:50:56.9,0.2,27.12S,113.73W,h12km,MW5.2/63,Control moment Tensor Solution,LP body waves: s48,c69,Mantle waves: s63,c120; Half duration: 0; Moment tensor: Scale 10^16Nm; M=6.39E-16; Mw:0.41E+16; Mw:5.99E+13; Mw:1.16E+13; Mw:2.79E+12; Mw:0.36E+40; Best double couple: Mw:6.95E+10 NP1; phi:346,lambda:76; Azm:248; lambda:849; lambda:102; Principal axes: T:7.32,Plg3; N:-7.3,Plg9; Azm:156; P:-6.58,Plg80; Azm:356; nsta1 refers to body waves, cutoff=40s.

SYO 09 18:50:56.8,26.84S,113.70W,h10km,MB5.0,MS4.3 NEIC 09 18:50:56.9,0.2,26.84S,113.70W,h10km,mb5.0/35,mb4.3/14,Error ellipse: s-maj=10.5km s-min=5.9km az=84.0

BUI 09 18:50:57.8,26.80S,113.70W,h10km,mb5.2,MS4.8,MS2.7

ISC 09 18:50:54.8,0.3,26.85S,113.78W,0.05,h10km,n147,0979100,mb4.7/49,MS4.6/39,7C-7D,Easter Island region

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

Table of seismic events with columns for station name, time, magnitude, and quality. Includes stations like Earthquake Lak, Hanford, Holter Research, etc.

Table of seismic events with columns for station name, time, magnitude, and quality. Includes stations like Hengchun, Hsinchu, Ta-pu, etc.

Table of seismic events with columns for station name, time, magnitude, and quality. Includes stations like Hengchun, Hsinchu, Ta-pu, etc.

Table with columns: Code, Station Name, Azimuth, Altitude, Frequency, Band, Mode, Date/Time, SNR, etc. Includes stations like Umeaa, Mol Rana, MORB, etc.

ICD 09 19:51:47.40±0.26.90S±113.71W,mb4.4/19,mb1 4.6/19,mb1mx4.5/23,MS4.3/19,Ms1 4.3/19,ms1mx4.1/27, Error ellipse: s-maj=25.4km s-min=17.7km az=67.0
HRVD 09 19:51:48.60±0.27.145S±113.70W,h12km,MW5.0/57, Centroid moment Tensor Solution. LP body waves: s32,c37; Mantle waves: s57,c88; Half duration: 0 Moment tensor: Scale 10^18Nm; M1=3.50E-12; M2=0.57E-12; M3=2.93E-10; M4=0.20E-39; M5=1.68E-10; M6=0.24E-38; Best double couple: M3,66x10^16 Np1,0,33; M4,43; M5,-88; Np2,151; Np3,47; Np4,-92; Principal axes: F,3.82; P,2; Azm243; N,-3; P,21; Azm152; P,-3.51, P,107; Azm36; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
NEIC 09 19:51:48.60±0.26.95S±113.58W,h10km,mb4.9/26, MS4.1/13 Error ellipse: s-maj=13.4km s-min=8.0km az=73.0
SYO 09 19:51:48.6,26.95S±113.58W,h10km,MB4.9,MS4.1
BUJ 09 19:51:49.3,27.00S±113.60W,h10km,MB5.2,MS4.6,MS24.6
ISC 09 19:51:47.9±0.5,26.76S±113.30W±1.1,h10km,n123,c052/86,mb4.6/44,MS4.3/35,9C-7D, Easter Island region

Table with columns: Code, Station Name, Azimuth, Altitude, Frequency, Band, Mode, Date/Time, SNR, etc. Includes stations like PLCA, PASO, RAR, OTAV, LPAZ, etc.

Table with columns: Code, Station Name, Azimuth, Altitude, Frequency, Band, Mode, Date/Time, SNR, etc. Includes stations like MSU, MNV, NVAR, SRU, etc.

Table with columns: Code, Station Name, Azimuth, Altitude, Frequency, Band, Mode, Date/Time, SNR, etc. Includes stations like LZHZ, Kunming, CHIANG, etc.

MOS 09 20:02:39.0±0.2,3.52,48N±106.80E,h36km,mb4.3/1,2C, Error ellipse: s-maj=31.3km s-min=22.3km az=65.8, Lake Baykal region

Table with columns: Code, Station Name, Azimuth, Altitude, Frequency, Band, Mode, Date/Time, SNR, etc. Includes stations like TYRGA, KAB, OGRG, etc.

LDG 09 20:06:25.8±0.5,39.35N±10.20E,h10km,M12.8/5, Error ellipse: s-maj=12.0km s-min=6.3km az=136.0
NEIC 09 20:06:28.6±0.39,45N±0.18E,h7km,MN2.5(MDD),After MDD 09 20:06:28.6±0.5,39.44N±0.21E,h8km,5km,mbL2.4/18, Error ellipse: s-maj=5.2km s-min=3.4km az=113.0, c158/64, Spain

Table with columns: Code, Station Name, Azimuth, Altitude, Frequency, Band, Mode, Date/Time, SNR, etc. Includes stations like EBEN, EMOS, EIBI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Sonseca Array, Etsaut, ETSF, GUD, EPF, EJA, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like URZ, AS12, WRA, FITZ, VNA3, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA, FITZ, AS12, etc.

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

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

NEIC 09 21:18:31.3, 0.4, 0.32N: 122.30E, mb4.3/6, Error ellipse: s-maj=23.7km s-min=7.6km az=64.0

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

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

NEIC 09 21:29:53.9, 0.6, 3.83N: 124.71E, h240km, mb4.0/2, Error ellipse: s-maj=46.9km s-min=8.8km az=70.0

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

IGQ 09 21:30:19.6, 0.50N: 80.12W, h5km, mb4.2, 9C, Error ellipse: s-maj=5.3km s-min=4.6km az=0.2, Near coast of Ecuador

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

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

IDC 09 21:55:40.0, 0.9, 28.84S: 61.79E, mb3.9/9, mb1 4.0/9, mb1mx3.9/20, Error ellipse: s-maj=34.7km s-min=20.4km az=77.0

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

IDC 09 21:16:39.7, 0.6, 26.93S: 113.83W, mb4.6/17, mb1 4.8/17, mb1mx4.7/21, MS4.7/16, MS1 4.7/16, ms1mx4.5/21, Error ellipse: s-maj=21.2km s-min=17.5km az=73.0

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

IDC 09 22:16:39.7, 0.3, 26.89S: 0.05, 113.7W, 0.1, h10km, n149, 0.79N/103, mb4.9/50, MS4.7/38, 7C-3D, Easter Island region

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

IDC 09 21:29:53.9, 0.6, 3.83N: 124.71E, h240km, mb4.0/2, Error ellipse: s-maj=46.9km s-min=8.8km az=70.0

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

IDC 09 21:55:40.0, 0.9, 28.84S: 61.79E, mb3.9/9, mb1 4.0/9, mb1mx3.9/20, Error ellipse: s-maj=34.7km s-min=20.4km az=77.0

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

Table of astronomical observations for 2004 JUL, listing objects like Vanda, QSPA, OMIAR, SDCO, etc., with columns for name, coordinates, magnitude, and other parameters.

Table of astronomical observations for 2004 JUL, listing objects like SSE, SSE, SSE, Nanjing, Hu-ho-hao-te, etc., with columns for name, coordinates, magnitude, and other parameters.

Table of astronomical observations for 2004 JUL, listing objects like IGT, RLS, JAN, JAN, etc., with columns for name, coordinates, magnitude, and other parameters.

THE 09:23:32:15.4, 38.62N-20.45E, h10km, ML3.3
ATH 09:23:32:15.8, 38.70N-20.61E, h8km, 3km, MD3.5/8
NEIC 09:23:32:16.0, 38.67N-20.53E, h14km, MD3.5(ATH), After
n27, c1504/46, 1C-2D, Greece

STR 10 00:17:20.6:0.1, 42.78N-2.55E, h5km, 1km, Ml2.1, Error
ellipse: s-maj=0.0km s-min=0.0km az=1.0
LDG 10 00:17:20.9:0.0, 42.80N-2.55E, h4km, Md2.0/1, Ml1.9/6,

Error ellipse: s-maj=0.9km s-min=0.6km az=101.0
MDD 10 00:17:21.3-0.4, 42.80N-2.55E, h10km, 1km, mblg1.3/4
Error ellipse: s-maj=5.0km s-min=2.9km az=67.0, PRXIMO
ISC 10 00:17:19.7-0.4, 42.85N-0.02-2.56E, 0.04, h11km, 4km,
n15, r1313/32, Pyrenees

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, ISC, Op, h, m, s, Time, Res, ISC. Rows include stations like LARF Laroque-de-Fa, FILF Fillos, CARF Carcanieres, etc.

BUI 10 00:20:55.0, 8.80S:94.80E, h10km, mB5.6, mb5.3, Ms5.5, Ms5.2
MOS 10 00:20:55.4, 1.1, 8.70S:94.77E, h10km, mb5.5/38, MS4.9/20, Error ellipse: s-maj=12.7km s-min=6.3km
az=105.9
IDC 10 00:20:55.2, 0.4, 8.83S:94.72E, mb5.0/23, mb1.5/0.23, mb1mx5.0/23, MS4.8/21, Ms1.4/3.21, ms1mx4.8/25, Error ellipse: s-maj=18.3km s-min=12.0km az=52.0
HRVD 10 00:20:57.1, 0.2, 8.92S:94.77E, h12km, MW5.6/67, Centroid moment Tensor Solution. LP body waves: s61, c121, Mantle waves: s67, c152; Half duration: 15s Moment tensor: Scale 10^17Nm; Mr:1.16+-0.4; Mw:0.50+-0.3; Ms:0.66+-0.4; M:0.40+-0.09; Ms:2.38+-0.3; Mr:1.57+-1.1; Best double couple: M:2.94x10^17 NP1: phi=86, lambda=162, NP2: phi=188, lambda=76, lambda=143. Principal axes: T:2.48, P:3.41, N:3.41, Azm56, N:93, P:45, Azm203; P-3.41, P:18, Azm311; nstai refers to body waves, cutoff=50s, nstai refers to surface waves, cutoff=50s.
NEIC 10 00:20:57.1, 0.1, 8.78S:94.81E, h10km, mb5.3/81, MS5.2/106, MW5.7 Error ellipse: s-maj=5.4km s-min=4.2km az=39.0, Moment Tensor Solution. s18 Moment tensor: Scale 10^17Nm; Mr:2.07; Mw:0.41; Ms:1.66; M:0.42; Ms:2.16; Mr:1.97; Best double couple: M:3.5x10^17 NP1: phi=68, lambda=143; NP2: phi=187, lambda=66, lambda=54. Principal axes: T:3.4, P:4.5, Azm53; N:23, P:32, Azm203; P-3.62, P:14, Azm302;
SYO 10 00:20:57.0, 8.78S:94.81E, h10km, MB5.3, MS5.2
ISC 10 00:20:55.3-0.2, 8.83S-0.03-94.79E-0.03, h10km, (h20km, 3.8km; P-P1, n431, r1309/32, mb5.2/126, MS5.1/149, 49C-15D, South Indian Ocean

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, ISC, Op, h, m, s, Time, Res, ISC. Rows include stations like KGM Kluang, IPM Ipoh, KELI Kelantan, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, ISC, Op, h, m, s, Time, Res, ISC. Rows include stations like NAWO Narogin (SRO), CAL Calcutta, POO Poona, SHL Shillong, RCP Roxas, DAV Davao City (W), TGY Tagaytay City, KMI Kunming, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, ISC, Op, h, m, s, Time, Res, ISC. Rows include stations like LZH Lanzhou, XZ Xuzhou, XH Xianghe, etc.



Table with columns for station code, name, frequency, and various signal quality metrics (e.g., S/N, error rates).

Table with columns for station code, name, frequency, and various signal quality metrics (e.g., S/N, error rates).

Table with columns for station code, name, frequency, and various signal quality metrics (e.g., S/N, error rates).

Table with columns for station call letters, name, frequency, and other details. Includes stations like SNZO, SBA, SBA, URZ, etc.

Table with columns for station call letters, name, frequency, and other details. Includes stations like VNA2, VNA2, VNA2, etc.

Table with columns for station call letters, name, frequency, and other details. Includes stations like BRG, BRG, BRG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Rows include TBI, PMR, PPT, SIT, DLBC, YKA, YCA, COR, SCHQ, FFC, NEW, HAWA, YBH, WDC, HOPS, MOD, MSO, CHMT, CPUP, BDFB, BOZ, MCMT, SAO, CMB, HLID, QLMT, ULM, NVAR, MNV, MTUM, REDW, HWU, PQI, HWUT, BW06, PDAR, DUG, CTU, RSSD, MSU, NEN, PFO, SFRU, PV10, HRV, RW3, WES, JFWS, BINY, SDCO, AAM, TUC, ALLY, CBKS, ANMO, LAZ, LENM, KSU1, ACSO.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Rows include ACSSO, MCWV, BLO, BBSR, LPAZ, LPZA, CBN, SLM, CCM, FVM, GD2, USIN, CLNB, FWW, BLA, ELN, GLAT, LTX, TXAR, TXAR, TXAR, MIAR, MIAR, UALR, UALR, CPCT, CPCT, PLAL, PLAL, MYNC, MYNC, OXF, OXF, JCT, JCT, NHSC, NHSC, NATX, NATX, LRAL, LRAL, HKT, HKT, NNA, NNA, SJG, SJG, DWPF, DWPF, PAYG, PAYG, JTS, JTS, IDC 10 00:22:37.8, IDC 10 00:22:39.7, Code, DZM, DZM, SKM, NWA0, Vnda, ILAR, EKA, GERES, PDG, BUC, NEIC, ZUR\_RM, MED\_RM.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Rows include axes, ROMANIA, VRI, VRI, VRI, BRD, BRD, MLR, MLR, ISR, ISR, SNX, SNX, POPENI, POPENI, MTUR, MTUR, MTUR, MTUR, CTR, CTR, BUCI, BUCI, HARR, HARR, HARR, HARR, IAS, IAS, IAS, IAS, THIR, THIR, BURAR, BURAR, BURAR, BURAR, SZH, SZH, PRG, PRG, DRD, DRD, JMB, JMB, PGB, PGB, DIM, DIM, BOLS, BOLS, PLD, PLD, EDRB, EDRB, VTS, VTS, SVIS, SVIS, KZD, KZD, RZN, RZN, GRUS, GRUS, KKB, KKB, MMB, MMB, KWP, KWP, KWP, KWP, CTT, CTT, KAT, KAT, ALN, ALN, ALN, ALN, PKSB, PKSB, ISK, ISK, SART, SART, SRS, SRS, SRS, SRS, PSZ, PSZ, SKO, SKO, SKO, SKO, VAY, VAY, VAY, VAY, KNT, KNT, KNT, KNT, PK57, PK57, LPK, LPK, AKASG, AKASG, NVSS, NVSS, NVRT, NVRT, SOH, SOH, SOH, SOH, BNT, BNT, BNT, BNT, IVA, IVA, IVA, IVA, YLV, YLV, PK58, PK58, KCT, KCT, NIE, NIE, PLE, PLE, PLE, PLE, PVY, PVY, PVY, PVY, OUR, OUR, OUR, OUR, THE, THE, BCI, BCI, PK31, PK31, ULDT, ULDT, RHKI, RHKI, GPA, GPA, NIKSI, NIKSI, PAIG, PAIG, BALB, BALB, TTG, TTG, FNA, FNA, MDU, MDU, DST, DST, SAFT, SAFT, LIT, LIT, GSH, GSH, QSH, QSH, BRY, BRY, BRY, BRY, OJC, OJC, ULU, ULU, BUM, BUM, BUM, BUM, BALG, BALG, SKT, SKT, BZK, BZK, HCY, HCY, STON, STON, STON, STON, ESKT, ESKT, ESKT, ESKT, OKC, OKC, OKC, OKC, MEV, MEV, ELDT, ELDT, MORC, MORC, MORC, MORC, BOYB, BOYB, AGG, AGG, MANT, MANT, BOYT, BOYT.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like GOLs, VRAC, IGT, CRES, KIZIL, BRTR, KESKIN, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like ETOR, ELAN, MORR, MORB, ETOB, EVIA, ARU, ARU, GUD, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like WRA, ASAR, ARCES, ARCES, FINES, HFS, etc.

Table with columns: CMAr, BRTR, BVAR, BVAR, MKAR, MKAR. Includes station names like Chiang Mai Arr, Keskin Array B, Borovoye Array, and Makanchi Array.

BYKL 10 02:03:43.8±0.3, 56.67N×117.99E, h12km, 4km, 2C-4D, East of Lake Baykal

Main data table for 203, listing stations, station names, and various parameters like phase ID, time, and residuals.

KRSC 10 02:04:24.7, 52.60N, 160.72E, h11km, ML4.0, MOS 10 02:04:24.7±1.7, 52.60N, 160.72E, h11km, mb4.2/1, Error ellipse: s-maj=22.5km s-min=13.6km az=102.9

Table for KRSC data, listing stations and parameters like station name, phase ID, time, and residuals.

Table with columns: SMAR, SMAR, AVH, AVH, KOK, KOK, KRMR, KRMR, GRL, GRL, KIL, KIL, KNL, KNL, GNL, GNL, MKZ, MKZ, MKZ, MKZ, MIPR, MIPR, PAU, PAU. Includes station names like Somma, Avacha, Koryaka, Karymshtinskiy, and Goryely.

KRSC 10 02:25:01.7, 54.98N, 162.89E, h22km, ML4.1, MOS 10 02:25:01.7±0.5, 54.98N, 162.89E, h22km, mb4.3/1, Error ellipse: s-maj=24.0km s-min=12.8km az=71.4

Main data table for 204, listing stations, station names, and various parameters like phase ID, time, and residuals.

NEIC 10 02:26:40.1±0.8, 11.75S, 118.25E, h10km, mb4.7/3, Error ellipse: s-maj=26.7km s-min=10.9km az=224.0

Table for NEIC data, listing stations and parameters like station name, phase ID, time, and residuals.

Table with columns: FITZ, FITZ, WRA, WRA, WBA, WBA, ASAR, ASAR, NWAQ, NWAQ, PMG, PMG, SONM, SONM, MKAR, MKAR, KURK, KURK. Includes station names like Fitzroy Crossi, Warramunga Arr, Warramunga Arr, Alice Springs, and Port Moresby.

NEIC 10 02:40:00.3, 36.66N, 3.66E, MG4.0(MDD), After MDD, MDD 10 02:40:00.3±1.3, 36.65N, 3.66E, mb3.9/7, Error ellipse: s-maj=29.3km s-min=15.2km az=147.0, PRXIMO, Northern Algeria

Main data table for 205, listing stations, station names, and various parameters like phase ID, time, and residuals.

IDC 10 03:08:57.8±1.9, 26.78S, 113.69W, mb3.6/2, mb1.0/2, Error ellipse: s-maj=109.0km s-min=54.4km az=103.0, Easter

Table for IDC data, listing stations and parameters like station name, phase ID, time, and residuals.

NEIC 10 03:22:53.5±3.5, 43.06N, 127.05W, h10km, mb2.9/2, Error ellipse: s-maj=40.7km s-min=9.4km az=72.0, Off coast of Oregon

Table for NEIC data, listing stations and parameters like station name, phase ID, time, and residuals.

IDC 10 03:51:59.8±1.0, 19.61N, 146.89E, mb3.8/7, mb1.4/0.9, Error ellipse: s-maj=18.5km az=87.0

NEIC 10 03:52:10.4±2.2, 19.57N, 146.78E, h84km, 20km, Error ellipse: s-maj=30.1km s-min=12.5km az=80.0

ISC 10 03:52:08.0±3.6, 19.6N, 0.1, 146.8E, 0.3, h76km, 32km, n11, s058/12, mb3.7/7, Mariana Islands region

Main data table for 206, listing stations, station names, and various parameters like phase ID, time, and residuals.

NAO 10 03:58:18.6±1.7, 7.71N, 4.64W, ML2.2, BER 10 03:58:19.3±3.5, 7.71N, 4.44W, MD3.2, ML1.7, ML2.2(NAO)

Table for NAO data, listing stations and parameters like station name, phase ID, time, and residuals.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Kedondong, Rata, Ksiiaz, Dobruska-Polom, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like China Poot, Oil Point, Augustine Isla, etc.

IDC 10 05:02:58.7 ± 1.0, 24.10N, 122.61E, mb3.8/5, mb1 3.9/6, mb1mx3.7/21, ML3.4/1, MS2.9/2, Ms1 2.9/2, ms1mx2.6/33, Error ellipse: s-maj=42.3km s-min=19.7km az=65.0

NIED 10 05:03:00.24 ± 0.001, 22.00N, h32km, Mw4.0 Best double couple: M=1.19x10^19 Np1=70°, δ73°, λ82°, NP2=±275°, β19°, λ114°

TAP 10 05:03:01.3 ± 23.92N, 122.79E, h14km, 1km, ML4.1 JMA 10 05:03:03.0 ± 0.1, 24.04N, 122.60E, h33km, Mw4.1, M3.6 ISC 10 05:03:02.4 ± 1.6, 24.07N, 122.52E, 0.08, h37km, 1.7km, n14, c069/19, mb3.7/5, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Yonaguni jima, Iriomote-Funau, Hateruma jima, etc.

WAR 10 05:44:04.2 ± 0.4, 51.58N, 16.00E, h1km, Location given by Polkowice mine, origin time based upon KSP

ISC 10 05:44:01.6 ± 0.1, 51.54N, 16.02E, 15.96E, 0.03, n45, c1527/105, 2C-1D, Poland

ISC 10 05:08:47.5 ± 4.0, 52N, 23.56E, h32km, 10km, MD2.9/3 THE 10 05:08:49.4 ± 4.0, 56N, 23.58E, h1km, ML2.4 ISC 10 05:08:48.9 ± 0.5, 40.56N, 0.03, 23.63E, 0.05, h21km, 8km, n11, c081/21, 1C, Greece

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

ISC 10 06:02:44.9 ± 8.7, 17.58S, 178.77W, h547km, 102km, s-maj=91.7km s-min=31.0km az=153.0

NEIC 10 06:02:46.2 ± 0.8, 18.33S, 178.50W, h580km, mb4.0/3, Error ellipse: s-maj=31.6km s-min=17.7km az=156.0

ISC 10 06:02:39.1 ± 0.8, 18.1S, 178.5W, 0.1, h500km, n13, c090/13, mb3.8/9, 1C-1D, Fiji Islands region

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

ATH 10 05:08:47.5 ± 4.0, 52N, 23.56E, h32km, 10km, MD2.9/3 THE 10 05:08:49.4 ± 4.0, 56N, 23.58E, h1km, ML2.4 ISC 10 05:08:48.9 ± 0.5, 40.56N, 0.03, 23.63E, 0.05, h21km, 8km, n11, c081/21, 1C, Greece

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

GERES 5.0mm, 0.3s, baz=30, slow=17, SNR=44

GERES 3.1mm, 0.3s, baz=28, slow=27, SNR=5.5

GERES 7.1mm, 0.3s, baz=31, slow=26, SNR=8.5

WET Wetzell 3.11 221 ePn

WET Wetzell 3.11 221 eSg

WET Wetzell 3.11 221 ePn

WET Wetzell 3.11 221 eSg

WET Wetzell 3.11 221 ePn

WET Wetzell 3.11 221 eSg

WET Wetzell 3.11 221 ePn

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WET Wetzell 3.11 221 eSg

WET Wetzell 3.11 221 ePn

WET Wetzell 3.11 221 eSg

NEIC 10 05:33:53.8 ± 0.7, 71.36N, 4.39W, h10km, Error ellipse: s-maj=10.9km s-min=8.3km az=72.0

IDC 10 05:33:53.1 ± 1.6, 71.32N, 4.45W, mb3.8/1, mb1 3.7/7, mb1mx3.4/25, ML3.3/6, MS3.7/1, Ms1 3.7/1, ms1mx2.1/32, Error ellipse: s-maj=8.8km s-min=20.5km az=173.0

NAO 10 05:33:55.0 ± 0.6, 1.71, 40N, 4.94W, h5km, 56km BER 10 05:33:55.3 ± 1.6, 71.32N, 4.43W, h10km, ML1.9

ISC 10 05:33:53.7 ± 4.5, 71.42N, 0.06, 4.3W, 0.2, h15km, 35km, n22, c114/25, mb3.6/1, MS3.6/1, 1C, Jan Mayen Island region

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

ISC 10 05:48:04.8 ± 6.6, 59.53N, 152.66W, h67km, 48km, mb3.5/3, mb1 3.8/8, mb1mx3.5/24, ML3.9/5, Error ellipse: s-maj=60.4km s-min=27.8km az=67.0

NEIC 10 05:48:07.3 ± 59.45N, 152.29W, h65km, ML3.5(AEIC), ML3.5(PMR), After AEIC

ISC 10 05:48:05.0 ± 0.2, 59.46N, 0.02, 152.24W, 0.4, h83km, 3km, n94, c086/128, mb3.7/3, Southern Alaska

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

IDC 10 06:02:44.9 ± 8.7, 17.58S, 178.77W, h547km, 102km, s-maj=91.7km s-min=31.0km az=153.0

NEIC 10 06:02:46.2 ± 0.8, 18.33S, 178.50W, h580km, mb4.0/3, Error ellipse: s-maj=31.6km s-min=17.7km az=156.0

ISC 10 06:02:39.1 ± 0.8, 18.1S, 178.5W, 0.1, h500km, n13, c090/13, mb3.8/9, 1C-1D, Fiji Islands region

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

IDC 10 06:02:44.9 ± 8.7, 17.58S, 178.77W, h547km, 102km, s-maj=91.7km s-min=31.0km az=153.0

NEIC 10 06:02:46.2 ± 0.8, 18.33S, 178.50W, h580km, mb4.0/3, Error ellipse: s-maj=31.6km s-min=17.7km az=156.0

ISC 10 06:02:39.1 ± 0.8, 18.1S, 178.5W, 0.1, h500km, n13, c090/13, mb3.8/9, 1C-1D, Fiji Islands region

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

10d 6h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KAKA, FITZ, VITZ, VANDA, NVAR, LTAJ, etc.

IDC 10 06:10:48.5-3.3, 16.205-173.88W, mb3.6/4, mb1 3.9/4, mb1mx3.7/16, Error ellipse: s-maj=182.0km s-min=29.8km az=146.0, Tonga Islands

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

IDC 10 06:13:48.0-1.2, 24.56S-116.16W, mb3.9/9, mb1 4.2/9, mb1mx4.1/19, MS4.0/15, Ms1 4.0/15, ms1mx3.9/21, Error ellipse: s-maj=43.1km s-min=25.3km az=43.0

NEIC 10 06:13:49.5-0.6, 24.53S-116.231W, h10km, mb3.8/2, Error ellipse: s-maj=25.0km s-min=16.0km az=65.0

ISC 10 06:13:47.9-0.9, 24.55S-116.2W, 2.0, h10km n26, e134/13, mb3.9/9, MS4.1/15, CT2, Southern East Pacific Rise

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PLCA, WRA, LPAZ, USHA, ROSC, CPUP, TXAR, SDV, URW, RPZ, NVAR, BDFB, VVND, PDAR, VNA3, VNA2, YKA, YELI, STKA, MAW, ILAR, ASAR, IDI, CMAR, BRTR, MKAR, etc.

B/IJ 10 06:19:10.8, 21.22S-179.41W, h690km, mb4.9, mb5.2 IDC 10 06:19:10.9, 0.4, 21.76S-179.46W, h592km, mb4.6/24, mb1 4.6/26, mb1mx4.6/26, Error ellipse: s-maj=9.7km s-min=6.8km az=163.0, Putative timing error at EIL

HRVD 10 06:19:11.6-0.8, 21.79S-179.44W, h612km, 5km, MW5.2/27, Centroid moment Tensor Solution. LP body waves: s27, c34; Half duration: 190 Moment tensor: Scale 1016Nm; Mw=2.36±.57; Mo=3.05±.80; Mo0=0.69±.93; Mw=4.37±.85; Mw=2.77±1.01; Mw=6.65±.78; Best double couple: Mb=8.4x10^16 NP1=98° δ20°, λ153°; NP2=20° δ14°, δ81°, λ72°. Principal axes: T=8.44, P1g51°, Azm104°; N=8, P1g18°, Azm271°; P=2.24, P1g33°, Azm319°; N1z1 refers to body waves.

NEIC 10 06:19:11.6, 0.1, 21.67S-179.50W, mb4.9/55 Error ellipse: s-maj=6.2km s-min=4.3km az=154.0

MOS 10 06:19:18.3, 1.2, 20.28S-179.66E, h594km, mb5.1/4, Error ellipse: s-maj=30.5km s-min=18.4km az=128.1

ISC 10 06:19:10.3-0.2, 21.81S-179.46W, 0.04, h602km, h602km, 3, 1km; p-P, n278, e1503/178, mb5.0/86, 14C-21D, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM, NOUC, URZ, URZ, TUZV, RAR, MRZ, THZ, KHZ, RPZ, TBI, PPT, TIAR, TVO, CNB, PMOR, VAH, CTA, etc.

2004 JUL

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CTA, KWAJ, PMG, STKA, AS12, ASAR, WRA, KAKA, GUAM, FITZ, SBA, VANDA, MUN, CBJI, KEDI, RATI, INCI, KELI, JHJ, GSPA, TGJ, JOW, MAJO, MAT, ADK, ADK, ADK, ASAJ, SMY, SMY, FXN, UNV, YSS, YSS, YSS, PET, K15, INCN, SDN, NJ2, NJ2, MAW, MAW, MAW, LRV, PWS, MDJ, MDJ, MDJ, CMB, CMB, OHC, WDC, OMM, WHN, YBH, YBH, SNY, SNY, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BEKR, WCN, WCN, CN2, CN2, CN2, HUMO, HUMO, NVAR, KLR, MNV, LDFO, MPOR, NEN, MOD, USHA, USHA, MA2, MA2, MA2, RSO, TUC, WVOR, SLKM, ENH, GNLW, LONR, ZIIG, BJT, BJT, BJT, GSM, NMT, PMR, LTY, SNA, SNA, HAWA, VNA3, MSU, MSU, ZAI, ZAI, SEY, SEY, VNA2, VNA2, XAN, XAN, HLID, HLID, HVL, HVL, CTU, STU, DAV, DPW, PNT, LAZ, JLU, LENM, MKC, DAU, KMI, BDT, TCUT, LTX, LTX, LTX, PV10, PV10, CM31, CMAR, CMAR, HHC, HHC, PLCA, PLCA, CHG, COLA, COLA, COLA, COLA, ACMT, ACMT, ILAR, ILAR, ILAR, RW3, REDW, CD2, CD2, QLMT, PDAR, PDAR, PDAR, YMR, SDCO, JCT, YAK, YAK, etc.









10d 10h

Table of astronomical observations for the 10d 10h period, listing station names, coordinates, and observation details.

10d 10h: 32.6, 4.8, 3.53N-32.61W, mb3.8/6, mb1.4/1.6, mb1mx3.8/20, MS3.9/11, Ms1.3/9.11, ms1mx3.6/24, Error ellipse: s-maj=165.0km, s-min=33.2km, az=165.0

Table with 5 columns: Code, Station Name, Az, Phase ID, Time Res. Lists various stations and their observation parameters.

2005 JUL

Table of astronomical observations for the 2005 JUL period, listing station names, coordinates, and observation details.

10d 10h: 17.24.9, 2.1, 8.86S; 130.40E, mb3.7/1, mb1.4/2.4, mb1mx3.8/12, ML3.9/3, Error ellipse: s-maj=71.9km, s-min=28.4km, az=78.0

NEIC 10 09:17:26.0, 1.2, 8.84S; 130.63E, h10km, Error ellipse: s-maj=28.2km, s-min=13.3km, az=69.0, Tanimbar Islands region

Table with 5 columns: Code, Station Name, Az, Phase ID, Time Res. Lists various stations and their observation parameters.

10d 10h: 37.2, 2.2, 2.8, 7.3S; 100.83E, mb3.6/1, mb1.3/4/3, mb1mx3.3/11, ML3.0/2, Error ellipse: s-maj=116.0km, s-min=32.0km, az=69.0

ISC 10 09:37:51.8, 9.19S; 0.08, 130.40E, 0.1, h118km, 19km, n7, e129/122, mb3.3/2, 2, Timor Sea region

Table with 5 columns: Code, Station Name, Az, Phase ID, Time Res. Lists various stations and their observation parameters.

NEIC 10 01:36.4, 27.81S; 70.86W, h43km, After GUC, GUC 10 01:36.4, 0.9, 27.81S; 70.86W, h43km, 7km, ML3.6, 1C, Far coast of northern Chile

Table with 5 columns: Code, Station Name, Az, Phase ID, Time Res. Lists various stations and their observation parameters.

10d 10h: 37.0, 7.0, 26.96S; 113.77W, mb4.2/13, mb1.4/4/13, mb1mx3.4/19, MS3.9/10, Ms1.3/9.10, ms1mx3.7/21, Error ellipse: s-maj=24.1km, s-min=18.5km, az=72.0

NEIC 10 10:39.6, 0.3, 27.01S; 113.76W, h10km, mb4.8/24, Error ellipse: s-maj=13.4km, s-min=6.9km, az=77.0

Bul 10 10:40.6, 27.00S; 113.80W, h10km, Error ellipse: s-maj=10.5, 26.94S/0.07, 113.77W/0.1, h10km, n66, e077/56, mb4.6/32, MS4.0/10, 3C-1D, Easter Island

Table with 5 columns: Code, Station Name, Az, Phase ID, Time Res. Lists various stations and their observation parameters.

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Table of astronomical observations for the 210 period, listing station names, coordinates, and observation details.

10d 10h: 17.24.9, 2.1, 8.86S; 130.40E, mb3.7/1, mb1.4/2.4, mb1mx3.8/12, ML3.9/3, Error ellipse: s-maj=71.9km, s-min=28.4km, az=78.0

NEIC 10 09:17:26.0, 1.2, 8.84S; 130.63E, h10km, Error ellipse: s-maj=28.2km, s-min=13.3km, az=69.0, Tanimbar Islands region

Table with 5 columns: Code, Station Name, Az, Phase ID, Time Res. Lists various stations and their observation parameters.

10d 10h: 37.2, 2.2, 2.8, 7.3S; 100.83E, mb3.6/1, mb1.3/4/3, mb1mx3.3/11, ML3.0/2, Error ellipse: s-maj=116.0km, s-min=32.0km, az=69.0

ISC 10 09:37:51.8, 9.19S; 0.08, 130.40E, 0.1, h118km, 19km, n7, e129/122, mb3.3/2, 2, Timor Sea region

Table with 5 columns: Code, Station Name, Az, Phase ID, Time Res. Lists various stations and their observation parameters.

NEIC 10 01:36.4, 27.81S; 70.86W, h43km, After GUC, GUC 10 01:36.4, 0.9, 27.81S; 70.86W, h43km, 7km, ML3.6, 1C, Far coast of northern Chile

Table with 5 columns: Code, Station Name, Az, Phase ID, Time Res. Lists various stations and their observation parameters.

10d 10h: 37.0, 7.0, 26.96S; 113.77W, mb4.2/13, mb1.4/4/13, mb1mx3.4/19, MS3.9/10, Ms1.3/9.10, ms1mx3.7/21, Error ellipse: s-maj=24.1km, s-min=18.5km, az=72.0

NEIC 10 10:39.6, 0.3, 27.01S; 113.76W, h10km, mb4.8/24, Error ellipse: s-maj=13.4km, s-min=6.9km, az=77.0

Bul 10 10:40.6, 27.00S; 113.80W, h10km, Error ellipse: s-maj=10.5, 26.94S/0.07, 113.77W/0.1, h10km, n66, e077/56, mb4.6/32, MS4.0/10, 3C-1D, Easter Island

Table with 5 columns: Code, Station Name, Az, Phase ID, Time Res. Lists various stations and their observation parameters.

NEIC 10 19:26.4, 0.6, 25.98S; 175.05W, h30km, mb4.4/4, Error ellipse: s-maj=26.1km, s-min=11.6km, az=156.0

10d 10h: 19.29, 9.1, 26.48S; 175.39W, h41km, 8km, mb3.9/10, mb1.4/2.12, mb1mx4.1/17, ML4.4/2, Error ellipse: s-maj=102.0km, s-min=17.2km, az=157.0

ISC 10 19:26.9, 0.2, 26.06S; 0.2-175.2W, 0.2, h43km, h43km, 1.7km, pP, n24, e112/21, mb4.2/12, South of Tonga Islands

Table with 5 columns: Code, Station Name, Az, Phase ID, Time Res. Lists various stations and their observation parameters.

Table with columns: RAR TOO, Station Name, Time, Res, etc. Includes entries for Rarotonga, Tooolangi, Charters Tower, etc.

IDC 10 10:47:31.0-0.6, 26.80Sx114.04W, mb4.3/13, mb1 4.5/13, mb1mx4.4/18, MS4.0/2, Mst1 4.0/2, ms1mx3.4/27, Error ellipse: s-maj=29.2km s-min=18.2km az=95.0

NEIC 10 10:47:33.1-0.3, 26.89Sx114.13W, h10km, mb4.7/8, Error ellipse: s-maj=14.3km s-min=7.6km az=87.0

ISC 10 10:47:31.5-0.4, 26.85Sx114.17W, 0.1, h10km, n44, 4981/35, mb4.3/22, MS4.0/2, 2C-1D, Easter Island region

Table with columns: Code, Station Name, Time, Res, etc. Includes entries for Paso Flores, Rarotonga, La Paz, etc.

IDC 10 11:00:38.9-1.0, 38.13Sx93.87W, mb4.4/7, mb1 4.7/8, mb1mx4.5/16, ML3.6/1, MS4.2/18, Mst1 4.2/18, ms1mx4.2/21, Error ellipse: s-maj=28.7km s-min=23.5km az=5

BJI 10 11:00:41.8, 38.10Sx93.70W, h10km, mb5.2

NEIC 10 11:00:41.8, 0.4, 38.09Sx93.68W, h10km, mb4.7/8, Error ellipse: s-maj=15.8km s-min=10.0km az=67.0

ISC 10 11:00:40.0-0.5, 38.14Sx108.93W, 0.1, h10km, n45, 4106/29, mb4.4/15, MS4.2/18, 1C-2D, West Chile Rise

Table with columns: Code, Station Name, Time, Res, etc. Includes entries for Paso Flores, Ushuaia, Limon Verde, etc.

Table with columns: LPAZ La Paz, CPUP Villa Florida, BDFB Brasilia, etc. Includes station names and associated data.

IDC 10 11:07:03.7-9.1, 4.22Sx148.99E, mb4.0/4, mb1 4.2/4, mb1mx3.8/13, Error ellipse: s-maj=185.0km s-min=65.2km az=33.0, Bismark Sea

Table with columns: Code, Station Name, Time, Res, etc. Includes entries for Warramunga Arr, Warramunga Arr, etc.

NIED 10 11:07:00.36, 10N:139.90E, h50km, Mw4.7, Best double couple: M0:2.1x10^16 NP1:47, 871, 8.55, NP2:242, 820, 1.04

MOS 10 11:07:02.9, 0.8, 36.02N:139.76E, h40km, mb5.0/33, Error ellipse: s-maj=15.1km s-min=6.8km az=107.4

IDC 10 11:07:05.3, 1.7, 36.04N:139.72E, h43km, 17km, mb4.3/28, mb1 4.5/32, mb1mx4.4/35, ML4.5/4, MS3.6/10, Mst1 3.6/10, ms1mx3.4/24, Error ellipse: s-maj=14.7km s-min=9.3km az=85.0

BJI 10 11:07:06.9, 35.98N:139.90E, h82km, mb4.8, mb4.6, MS3.9, MS2.8

JMA 10 11:07:06.4, 0.1, 36.08N:139.89E, h48km, 1km, M4.7, Broadband fault plane solution: P waves. NP1:249, 825, 1.10, NP2:47, 867, 1.81, Principal axes: T P1:67, Azm301; N P1:68, Azm51; P P1:21, Azm144; JMA Felt IV J1

NEIC 10 11:07:06.3, 0.2, 36.08N:139.68E, mb4.7/69, Mw4.7 (NIED) Error ellipse: s-maj=4.9km s-min=3.6km az=161.0

NEIC Felt in Ibaraki and Tokyo Prefectures. Recorded [4 JMA] in Ibaraki and Tochigi; [3 JMA] in Fukushima, Gumma and Saitama; [2 JMA] in Chiba, Kanagawa and Tokyo; [1 JMA] in Nagano and Yamanashi Prefectures.

ISC 10 11:07:06.0, 0.3, 36.02N:139.72E, 0.03, h62km, 2km, h50km, 1.2km, pp-P, n252, 4099/264, mb4.7/99, 13C-13D, Eastern Honshu

Table with columns: Code, Station Name, Time, Res, etc. Includes entries for Tokyo, Yasoto, Ashikaga, etc.

Table with columns: JHU, JNU, ASAJ, etc. Includes station names and associated data.





10d 15h

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, H, m, s, ISC. Includes entries like KSDI Kefar Szold, HRI Mount Hermon, KSHT Keshet, etc.

IDC 10 12:47:43.01.1.7.3.70S.149.81E.mB4.0/6.mB1.4.2/6.
mb1mx4.0/13.MS3.6/8.Ms1.3.6/4.ms1mx3.5/19. Error ellipse: s-maj=61.0km s-min=21.5km az=115.0

NEIC 10 12:47:45.21.3.3.63S.149.73E.mh10km.mB4.5/3. Error ellipse: s-maj=39.5km s-min=13.3km az=111.0

ISC 10 12:47:44.01.5.3.65S.0.2.149.6E.0.3.h10km.n18.
<088/11.mB4.0/7.MS3.8/6.Bismarkc Sea

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, H, m, s, ISC. Includes entries like PMG Port Moresby, CTA Charters Tower, KAKA Kakadu, etc.

DJA 10 12:53:39.01.0.8.47S.116.11E.h97km7m,ML3.8/1,
1C-5D. Error ellipse: s-maj=37.4km s-min=16.5km az=158.0, Sumbawa region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, H, m, s, ISC. Includes entries like KEDI Kedondong, RATI Rata, INGI Ingas, etc.

WEL 10 13:12:16.50.3.37.51S.177.62E.h103km3km,ML3.6/2,
2C-2D. Error ellipse: s-maj=2.2km s-min=2.1km az=0.0, Off east coast of North Island

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, H, m, s, ISC. Includes entries like MXZ Matakaoa Point, PUK Puketiti, MWZ Matawai, etc.

JMA 10 14:14:07.4.0.1.24.28N.122.53E.h61km2km, M2.7
TAP 10 14:14:08.6.24.1.1N.122.42E.h36km,ML3.6

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, H, m, s, ISC. Includes entries like YOJ Yonaguni jima, IRI Iriomote-Funau, etc.

2004 JUL

JTJ S S 14 15 04.4 -0.6

IDC 10 14:21:13.8.0.8.57.89S.25.34W.mB4.2/5.mB1.4.2/6.
mb1mx4.0/15.ML3.9/1,MS3.6/4,Ms1.3.6/4.ms1mx3.2/17.
Error ellipse: s-maj=37.9km s-min=22.8km az=63.0

NEIC 10 14:21:15.1.0.5.57.97S.25.36W.h10km.mB4.2/2. Error
ellipse: s-maj=27.4km s-min=17.7km az=62.0

ISC 10 14:21:14.4.0.8.57.9S.0.1x25.5W.0.4.h10km.n22.
<068/10.mB4.2/6.MS3.5/4.2C, South Sandwich Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, H, m, s, ISC. Includes entries like VNA1 Neumayer-Stat, VNA2 Neumayer-Watz, SNA Sanae, etc.

PRU 10 14:27:17.4.50.37N.19.07E
WAR 10 14:27:18.0.50.20N.19.14E.h1km, Location given by
Central Institute of Mining, origin time based upon

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, H, m, s, ISC. Includes entries like OJC Ojcow, OKC Ostrava-Krasne, NIE Niedzica, etc.

NEIC 10 14:49:15.2.1.2.36.40N.70.58E.h190km,mB4.3/5. Error
ellipse: s-maj=29.2km s-min=10.4km az=58.0

NINC 10 14:49:19.1.1.1.0.37.00N.69.41E.mP3.6. Error ellipse:
s-maj=140.9km s-min=25.0km az=32.0

IDC 10 14:49:23.8.26.0.36.65N.71.02E.h278km,237km,
mB3.0/3.mB1.3.1/5.mB1mx2.8/20. Error ellipse:
s-maj=219.0km s-min=25.4km az=39.0

ISC 10 14:49:16.1.0.6.36.49N.0.04.70.6E.0.1.h219km,9km,
n22,<0579/31.mB3.1/3.4C-1D, Hindu Kush region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, H, m, s, ISC. Includes entries like CEP Cherat, CHCP Chirah Chowk, THW Thamme Wali, etc.

SOF 10 15:09:18.0.39.31N.22.84E.h5km,MD2.5
NEIC 10 15:09:18.4.39.23N.22.84E.h28km,MD3.2(ATH). After
ATH.

ATH 10 15:09:18.4.39.23N.22.84E.h27km,2km,MD3.2/3
THE 10 15:09:19.6.39.25N.22.81E.h2km,ML3.3

ISC 10 15:09:18.1.0.7.39.19N.0.03.22.79E.0.04.h12km,5km,
n22,<095/32, Greece

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, H, m, s, ISC. Includes entries like NEO Neokhorri, XOR XORichti, AGG Agios Georgios, etc.

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Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, H, m, s, ISC. Includes entries like PAIG Paliouri, PAIG Polygyros, PLG Polygyros, etc.

IDC 10 15:09:57.9.1.8.6.90S.128.92E.mB3.9/2.mB1.4.1/5.
mb1mx3.8/13.ML3.8/3. Error ellipse: s-maj=87.6km
s-min=25.7km az=69.0

NEIC 10 15:10:13.1.2.6.7.51S.128.09E.h124km,25km, Error
ellipse: s-maj=32.5km s-min=22.8km az=62.0

ISC 10 15:10:12.6.2.7.65S.0.10.128.2E.0.1.h139km,22km,
n9,<193/16.mB3.6/2, Banda Sea

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, H, m, s, ISC. Includes entries like KAKA Kakadu, FITZ Fitzroy Crossi, etc.

IDC 10 15:26:51.7.4.0.17.81S.178.66W.h548km,49km,
mB3.7/13.mB1.3.9/13.mB1mx3.7/20. Error ellipse:
s-maj=20.8km s-min=16.2km az=175.0

NEIC 10 15:26:52.9.0.4.17.75S.178.73W.h565km,mB4.4/14,
Error ellipse: s-maj=13.9km s-min=9.5km az=140.0

ISC 10 15:26:50.0.4.1.17.8S.0.1x177W.0.1.h540km,51km,
n31,<095/31,mB4.2/22,7D, Fiji Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, H, m, s, ISC. Includes entries like URZ Urewhera, RPZ Rata Peaks, CTA Charters Tower, etc.

NEIC 10 15:48:49.2.0.7.35.87N.135.25E.h347km,12km,mB4.1/1,
Error ellipse: s-maj=25.4km s-min=13.3km az=67.0

IDC 10 15:48:50.9.3.3.36.02N.135.86E.h376km,41km,mB2.9/8,
mb1.3.1/9.mB1mx2.9/24. Error ellipse: s-maj=34.2km
s-min=13.4km az=70.0

ISC 10 15:48:48.9.0.8.35.9N.0.1x135.4E.0.2,h366km,14km,
n16,<088/19,mB3.3/9, Western Honshu

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, H, m, s, ISC. Includes entries like MAJO Matsushiro, MAT Matsushiro, MAT Matsushiro, etc.



Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like KURK Kurchatov, CHKZ Chkalovo, BVAR Borovoye Array, etc.

BUI 10 16:31.8, 20.31S: 178.52W, h566km, mb5.0, mb5.0
NEIC 10 16:32.9, 0.2, 20.91S: 178.72W, mb4.7/31, Error
ellipse: s-maj=7.5km s-min=4.7km az=116.0

ISC 10 16:32.1, 1.1, 20.93S: 0.06:178.75W, 0.06,
h549km, 1.4km, h585km, 3.2km, p-P, n235, c112/137,
mb4.6/52, 26C-14J, Fiji Islands region

Main table of station data for the left column, including stations like DZM Mont Dzumac, NZC Port Laguerre, MTAZ Motutapu, etc.

Main table of station data for the middle column, including stations like NVAR comp=Z, 1.2nm, 1.0s, bazu=217, slow=9.0, SNR=3.1, MNV Mina, WHN Wuhan, etc.

Main table of station data for the right column, including stations like WMQ comp=Z, 9.1nm, 5.0s, MKAR Makanchi Array, BVAR Borovoye Array, etc.

10d 18h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like Saint Gilles, Hautdrompre, Ljubljana, etc.

IDC 10 16:33:31.6, 16.0, 23.07S, 174.49W, mb4.1/5, mb1 4.2/5, mb1mx3.9/17, MS3.7/1, Ms1 3.7/1, ms1mx3.0/24, 1C, Error ellipse: s-maj=312.0km s-min=140.8km az=81.0, Tonga Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like Charters Tower, Port Moresby, etc.

NNC 10 16:41:41.7, 19.0, 38.71N, 171.97E, mpv3.8, Error ellipse: s-maj=227.6km s-min=110.2km az=10.0, IDC 10 16:41:42.2, 3.5, 68.1N, 72.05E, mb3.7/3, mb1 3.7/5, mb1mx3.5/21, ML3.1/2, Error ellipse: s-maj=54.7km s-min=28.2km az=1.0

ISC 10 16:41:44.2, 2.3, 38.5N, 0.2, 71.9E, 0.1, h33km, n14, r1865/14, mb3.6/3, 2C-2D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like Erkin-Say, Kyzart, Ala-Archa, etc.

IDC 10 16:47:57.5, 2.5, 6.72S, 130.73E, mb3.8/1, mb1 4.0/4, mb1mx3.7/13, ML3.7/3, Error ellipse: s-maj=108.0km s-min=28.4km az=78.0, ISC 10 16:48:13.4, 2.1, 7.41N, mb3.4/1, h174km, 23km, n7, r085/13, mb3.4/1, Timbar Islands region

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

IDC 10 16:52:17.2, 0.8, 12.37S, 14.83W, mb4.1/11, mb1 4.2/11, mb1mx4.1/20, MS3.6/7, Ms1 3.6/7, ms1mx3.4/23, Error ellipse: s-maj=28.5km s-min=18.1km az=142.0, NEIC 10 16:52:18.5, 0.4, 12.36S, 14.88W, h10km, mb4.3/4, Error ellipse: s-maj=13.7km s-min=8.0km az=131.0, ISC 10 16:52:16.9, 0.6, 12.3S, 0.1, 14.8W, 0.1, h10km, n21, r0562/18, mb4.1/13, MS3.6/7, Southern Mid-Atlantic Ridge

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

2004 JUL

Table with columns: LPAZ, La Paz, 51.68 259 eP, P, 17 01 26.1 -0.5, 0.9nm, 0.7s, mb3.8, etc.

IDC 10 17:57:14.8, 2.4, 35.17N, 4.13W, mb4.0/5, mb1 4.1/7, mb1mx3.7/25, ML4.1/2, Error ellipse: s-maj=55.6km s-min=33.6km az=163.0, INMG 10 17:57:16.8, 1.4, 35.20N, 4.09W, ML3.1, Error ellipse: s-maj=7.3km s-min=4.4km az=18.0, IAG 10 17:57:16.35, 16N, 4.07W, h6km, Mw3.7, Moment Tensor Solution. Moment scalar: Scale 10^15Nm; Mr=0.23; Mw=0.00; Ms=0.23; M=0.08; Mw=0.26; Mw=0.14; Best double couple: Ms=382x10^15 Np, 358°, 862°, λ=46°; NP2=115°, 850°, λ=141°. Principal axes: T=349, Plg7°, Azm59°, N=059, Plg37°, Azm154°, P=-408, Plg53°, Azm320°

MDD 10 17:57:16.0, 0.9, 35.13N, 4.10W, mb4.3/20, Error ellipse: s-maj=10.7km s-min=4.0km az=15.0, PRXIMO aftershock PLICA

NEIC 10 17:57:16.3, 35.16N, 4.07W, MG4.4(MDD), After MDD, LDG 10 17:57:19.0, 0.3, 35.16N, 4.19W, h2km, Md4.1/1, M13.3/4, Error ellipse: s-maj=7.0km s-min=3.6km az=176.0, ISC 10 17:57:18.0, 0.6, 35.25N, 0.04, 4.08W, 0.03, h40km, 7km, n104, r1816/178, mb3.9/5, 12C-4D, Strait of Gibraltar

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like Melilla, Malaga-Limoner, etc.

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

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MDD 10 18:01:38.9, 1.5, 35.05N, 4.13W, mb3.5/12, Error ellipse: s-maj=15.1km s-min=6.5km az=15.0, PRXIMO aftershock PLICA, NEIC 18:01:39.4, 34.84N, 4.12W, h34km, MG4.0(MDD), After MDD.

ISC 10 18:01:39.3:1.0,35.00N,0.06:4.11W,0.05,h67km,19km,  
n25,+c103/43, Strait of Gibraltar

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Lists various stations like EMEL, EMIJ, EMIJ, EMIJ, etc.

RSRP 10 18:19:07.4, 19.52N-68.94W, h51km, 20km, MD3.8/17,  
MD3.8/17, 13C-3D, North Atlantic Ocean

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

STR 10 18:24:58.0:2.43, 07N-0.49W, h10km, 1km, M2.1, Error  
ellipse: s-maj=0.0km s-min=0.0km az=1.0

LDG 10 18:24:58.0:2.43, 10N-0.47W, h10km, M2.1/5.3, Error  
ellipse: s-maj=4.0km s-min=2.1km az=172.0

MDD 10 18:24:58.0:2.43, 11N-0.48W, h10km, M2.1/8.4, Error ellipse:  
s-maj=3.5km s-min=1.6km az=11.0, PRXIMO

ISC 10 18:24:57.0:0.7, 43.11N, 0.05:0.47W, 0.04, h10km, n13,  
c052/18, Pyrenees

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

ISC 10 18:31:13.0:1.0, 38.28S:93.41W, mb4.0/5, mb1 4.3/6,  
mb1mx3.4/24, ML3.7/1, MS4.1/12, MS4.1/12, 1.1/2,

ms1mx4.0/18, Error ellipse: s-maj=35.9km s-min=26.5km  
az=89.0

NEIC 10 18:31:14.9:0.7, 38.23S:93.55W, h10km, Error ellipse:  
s-maj=18.9km s-min=14.7km az=82.0

ISC 10 18:31:13.1:0.8, 38.3S:0.1:93.6W:0.2, h10km, n21,  
c056/12, mb4.0/5, MS4.2/11, AC-1D, West Chile Rise

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

INMG 10 18:59:42.6:1.3, 38.76N:7.97W, h2km, 5km, ML1.5, Error  
ellipse: s-maj=3.2km s-min=2.1km az=92.0

MDD 10 18:59:42.0:4.0, 38.77N:7.96W, mbLq 1.6/8, Error ellipse:  
s-maj=3.6km s-min=2.9km az=135.0, PRXIMO

ISC 10 18:59:40.8:0.5, 38.78N, 0.02:7.92W, 0.05, h2km, n19,  
c056/24, Portugal

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

ISC 10 19:07:18.5:1.9, 3.29S-129.87E, mb3.7/2, mb1 3.9/3,  
mb1mx3.6/15, ML3.5/1, Error ellipse: s-maj=160.0km  
s-min=26.4km az=69.0, Seram

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

NEIC 10 19:42:60.0:1.4, 41.33N:144.40E, h10km, mb4.2/2, Error  
ellipse: s-maj=34.9km s-min=11.8km az=135.0

NIED 10 19:40:40.1, 70N, 144.20E, h23km, M3.8, Best double  
couple: M5.02x10^14 NP1=26^10, 873^, NP2=26^10,

829^, 1.141^,  
IDC 10 19:43:00.1:3.4, 41.57N:144.26E, mb3.7/6, mb1 3.7/7,  
mb1mx3.5/24, ML3.2/1, MS3.0/1, Ms1 3.0/1, ms1mx2.2/31,  
Error ellipse: s-maj=73.9km s-min=35.4km az=167.0

MOS 10 19:43:02.6:0.6, 41.58S:0.1:83.5W:0.2, h10km, n21,  
c056/12, mb4.0/5, MS4.2/11, AC-1D, West Chile Rise

JMA 10 19:43:04.9:0.2, 41.73N:144.21E, h32km, 3km, M3.9  
ISC 10 19:43:04.9:1.5, 41.73N, 0.09:144.27E, 0.08, h42km, 10km,  
n19, c057/24, mb3.6/7, Hokkaido Region

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

IDC 10 19:49:00.1:3.4, 11.98N:87.80W, mb4.1/6, mb1 4.2/6,  
mb1mx3.8/21, Error ellipse: s-maj=66.4km s-min=54.6km  
az=163.0

NEIC 10 19:49:37.1:1.7, 13.07N:88.43W, h288km, 20km, mb4.1/3,  
Error ellipse: s-maj=39.4km s-min=18.8km az=73.0

ISC 10 19:49:34.7:0.6, 13.7N, 0.2:88.3W:0.2, h216km, 10km, n31,  
c056/27, mb3.9/8, 12C, El Salvador

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

NEIC 10 19:53:50.9:0.7, 72.50N:2.65E, h10km, Error ellipse:  
s-maj=11.8km s-min=8.6km az=79.0

IDC 10 19:53:50.2:1.5, 72.47N:2.47E, mb3.4/2, mb1 3.5/7,  
mb1mx3.4/24, ML3.0/5, MS2.6/2, Ms1 2.6/2, ms1mx2.3/22,  
Error ellipse: s-maj=25.0km s-min=23.5km az=109.0

BER 10 19:53:52.9:5.5, 72.57N:3.05E, ML1.9, ML2.1 (NAO)  
NAO 10 19:53:55.3:5.5, 72.70N:3.86E, ML2.1

ISC 10 19:53:51.0:1.1, 72.53N, 0.06:3.8E:0.3, h10km, n19,  
c1936/21, mb3.2/2, Norwegian Sea

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

Table with columns: HFS, HFS, FIAO, FINES, GERES, MKAR, MKAR, ASAR. Includes station names, coordinates, and technical details.

BUI 10 20:27:14.4, 53.59N-164.23W, h9km, mb4.8, mb4.6, Ms4.1, Ms3.9

MOS 10 20:27:14.4, 53.59N-164.23W, h33km, mb4.8/9, Error ellipse: s-maj=40.5km s-min=13.4km az=97.6

NEIC 10 20:27:18.5, 0.8, 53.59N-163.53W, h32km, mb4.7/39, ML4, (A)EIC, Error ellipse: s-maj=4.7km s-min=2.2km az=10.0

IDC 10 20:27:0.0, 3.6, 53.64N-163.61W, h43km, mb4.0/18, mb1.4/2.0, mb1mx1.1/2.5, ML4.3/1, MS3.4/6, MS1.3/4.6, ms1mx3.1/2.9, Error ellipse: s-maj=20.2km s-min=14.4km az=2.0

ISC 10 20:27:15.7, 1.0, 53.47N-164.03W, h27km, mb4.0/18, h30km, 4.4km, pp-P, n183, 0.183, 182, mb4.6/62, MS3.7/10, 10C-5D, Unimak Island region

Main table for the left column containing station codes, names, coordinates, and technical details for various stations like WESE, WESS, SSSL, etc.

Main table for the middle column containing station codes, names, coordinates, and technical details for various stations like MDJ, MAJO, MAT, etc.

Main table for the right column containing station codes, names, coordinates, and technical details for various stations like SSF, GOF, GOF, etc.

INMG 10 20:34:57.1, 0.8, 37.55N-7.99W, h2km, ML0.8, Error ellipse: s-maj=2.3km s-min=2.1km az=12.0

MDD 10 20:34:57.0, 0.4, 37.55N-7.98W, mbLg1.3/5, Error ellipse: s-maj=4.3km s-min=2.4km az=11.0, PRXIMO

ISC 10 20:34:55.0, 0.8, 37.53N-0.05, h2km, n10, 0.073/13, Portugal

Table for the right column containing station codes, names, coordinates, and technical details for various stations like EGRO, EGRO, PBEJ, etc.

NEIC 10 21:09:15.1, 38.74N-23.66E, h28km, ML3.1(ATH), After ATH

ATH 10 21:09:15.2, 38.74N-23.64E, h31km, 3km, MD2.9/8, ML3.1

THE 10 21:09:17.0, 38.78N-23.69E, h10km, ML2.6

ISC 10 21:09:15.0, 0.7, 38.74N-0.03, 23.67E, 0.07, h29km, gkm, n14, 0.102/22, 1, Greece

Table for the right column containing station codes, names, coordinates, and technical details for various stations like AOS, AOS, LKR, etc.

KRSC 10 21:13:27.9, 52.45N-159.67E, h11km, ML3.6, Off east coast of Kamchatka Peninsula

IDC 10 21:39:57.1, 9.2, 6.60S-105.22E, h48km, 85km, mb3.7/10, mb1.3/9.10, mb1mx3.7/17, MS3.4/1, Ms1.3/6.1, ms1mx2.8/2.5, Error ellipse: s-maj=79.1km s-min=16.9km







Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like GNI, GNV, KIV, AB31, KK31, ASF, ARU, ARV, BVAO, BVAR, BVAR, VOSK, VOSK, CHKZ, CHKZ, KURK, AKASG, MLR, MLR, MK31, MKAR, MKAR, IDI, FINES, FINES, FINES, FINES, NOA, ILAR, ILAR, YKA, PLCA, PLCA.

NEIC 11 01:25:00.8, 0.8, 0.07S; 16.65W, h10km, Error ellipse: s-maj=25.3km s-min=11.4km az=164.0

IDC 11 01:25:00.4, 1.5, 0.13N; 16.68W, mb4.0/11, mb1 4.3/12, mb1mx4.1/24, ML4.8/1, MS3.6/10, Ms1 3.7/10, ms1mx3.5/23, Error ellipse: s-maj=45.5km s-min=31.4km az=157.0

ISC 11 01:25:01.2, 1.9, 0.3N; 0.4, 16.6W, 0.1, h10km, n27, o596/12, mb4.0/11, MS3.7/9, North of Ascension Island

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like LIC, TIC, KIC, DBIC, DBIC, DBIC, DBIC, ESDC, ESDC, CPUP, CPUP, WET, GERES, GERES, ULDT, ASF, BRTR, PLCA, NOA, NOA, FINES, FINES, USHA, KAF, ARCS, ARCS, TXAR, TXAR, BVAR, BVAR, CHKZ, CHKZ, PDAR, PDAR, YKA, YKA, ASAR, ASAR, WRA, WRA.

IDC 11 01:27:45.4, 1.4, 3.64S; 101.36E, mb4.0/8, mb1 4.1/8, mb1mx3.9/17, Error ellipse: s-maj=67.7km s-min=16.2km az=50.0

NEIC 11 01:27:49.0, 0.9, 3.57S; 101.45E, h30km, mb4.0/2, Error ellipse: s-maj=42.3km s-min=12.3km az=57.0

ISC 11 01:27:47.6, 1.0, 3.65; 0.2, 101.4E, 0.3, h30km, n12, o595/10, mb4.0/10, Southern Sumatara

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like FITZ, FITZ, NWAO, NWAO, WRA, WRA, ASAR, ASAR, STKA, STKA, SONM, SONM, ULN, ULN, MKAR, MKAR, BVAR, BVAR, BRTR, BRTR, TXAR, TXAR, TXAR, TXAR.

IDC 11 01:32:01.2, 2.9, 17.37S; 172.70W, mb3.8/5, mb1 4.1/5, mb1mx3.9/17, Error ellipse: s-maj=175.0km s-min=25.8km az=149.0, Tonga Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WRA, WRA, ASAR, ASAR, NVAR, NVAR, PDAR, PDAR, ILAR, ILAR.

MDD 11 01:44:12.0, 1.6, 36.54N; 7.61W, h34km, 2km, mbLg1.6/3, Error ellipse: s-maj=14.0km s-min=8.2km az=22.0, PRXIMO

INMG 11 01:44:12.7, 0.9, 36.64N; 7.70W, h15km, 4km, ML1.2, 1D, Error ellipse: s-maj=8.0km s-min=4.3km az=110.0, Strait of Gibraltar

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PALC, PALC, PALC, PALC, EGRO, EGRO, PTEO, PTEO, PBEJ, PBEJ, EMIN, EMIN, EMIN, EMIN, ESPR, ESPR, EBD, EBD, ECAB, ECAB, EADA, EADA, EADA, EADA, PCBR, PCBR, PCBR, PCBR.

JMA 11 01:48:10.3, 0.3, 23.62N; 121.65E, h55km, M2.6, TAP 11 01:48:09.9, 23.67N; 121.60E, h30km, ML3.4, Taiwan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like YOJ, YOJ, HATJ, HATJ, IRIF, IRIF, JKRS, JKRS, JIJ, JIJ, JIJ, JIJ.

IDC 11 02:01:08.6, 13.0, 18.58S; 173.89W, mb4.1/6, mb1 4.2/6, mb1mx3.8/19, MS4.4/2, Ms1 4.4/2, ms1mx3.3/29, Error ellipse: s-maj=261.0km s-min=49.5km az=60.0, Tonga Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like RPZ, RPZ, STA, STA, CTKA, CTKA, WRA, WRA, ASAR, ASAR, FITZ, FITZ, FITZ, FITZ, JOW, JOW.

BJJ 11 02:40:37.0, 4.90S; 133.80E, h7km, mb4.8, mb4.8, Ms4.3, Ms2.1, NEIC 11 02:40:37.1, 6.0, 4.92S; 133.76E, h7km, 3.7km, mb4.7/12, MS4.5/1, Error ellipse: s-maj=20.6km s-min=10.0km az=67.0

MOS 11 02:40:38.8, 1.7, 4.99S; 134.11E, h33km, mb4.6/6, Error ellipse: s-maj=22.4km s-min=11.6km az=111.6, IDC 11 02:40:41.5, 5.04S; 133.66E, h24km, 35km, mb4.2/11, mb1 4.4/16, mb1mx4.4/18, ML4.3/5, MS4.2/9, Ms1 4.2/9, ms1mx3.9/18, Error ellipse: s-maj=28.9km s-min=9.7km az=82.0

ISC 11 02:40:35.4, 3.0, 4.93S; 0.04, 133.8E, 0.1, h8km, 19km, n65, o595/10, mb4.5/23, MS4.2/13, 2C, Irilan Jaya region

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

Table with columns: KAKA, KAKA, PMG, PMG, PMG, PMG, PMG, PMG, WRA, WRA, WRA, WRA, WRA, WRA, FITZ, FITZ, FITZ, FITZ, FITZ, FITZ, AS12, AS12, ASAR, ASAR, CTA, CTA, CTA, CTA, STKA, STKA, STKA, STKA, NWAO, NWAO, JNU, JNU, CMAR, CMAR, CMAR, CMAR, BJT, BJT, BJT, BJT, BJI, BJI, BJI, BJI, CN2, CN2, ASAJ, ASAJ, ASAJ, ASAJ, LZH, LZH, LZH, LZH, LZH, LZH, LZH, LZH, RPZ, RPZ, YSS, YSS, LSA, LSA, KLR, KLR, GTA, GTA, GTA, GTA, ULN, ULN, ULN, ULN, SONM, SONM, ZAK, ZAK, WMQ, WMQ, WMQ, WMQ, YAK, YAK, YAK, YAK, MKAR, MKAR, MKAR, MKAR, VNA, VNA, VNA, VNA, VNA, VNA, TIXI, TIXI, TIXI, TIXI, MAW, MAW, MAW, MAW, MAW, MAW, BVAR, BVAR, BVAR, BVAR.





Table with columns: EMUR, L Murta, Torette, ETOR, KRCSC 11 04:27:05.6-0.6,55.60N-160.35E, h191km,2km, ML3.9, Kamchatka Peninsula

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

11d 11h

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

11d 11h

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

11d 11h

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

11d 11h

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

11d 11h

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

NEIC 11 07:55:37.4, 0.5, 16N-178.73E, h12km, ML3.4(AEIC), After AEIC

ISC 11 07:55:35.0, 3.8, 50.2N, 0.2, 178.6E, 0.1, h28km, 28km, n11, c038/12, mb3.5/3, Rat Islands

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

ISC 11 08:16:52.1, 14.0, 7.03S, 129.15E, h128km, 156km, mb3.6/1, mb1 3.8/4, mb1mx3.5/1.2, ML4.1/3, Error ellipse: s-maj=97.9km s-min=57.7km az=32.0

ISC 11 08:16:54.7, 2.1, 7.2S, 0.1, 129.4E, 0.1, h180km, 23km, n7, c096/13, mb3.6/1, Banda Sea

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

HEL 11 08:59:46.9, 0.1, 60.20N, 25.25E, ML2.0, ML2.1(UPP), ML2.2(NAO), Explosion

BER 11 08:59:46.5, 4.1, 60.15N, 25.40E, h0km, 20km, ML2.2(NAO)

NAO 11 08:59:48.2, 3.7, 60.31N, 25.01E, ML2.2

ISC 11 08:59:45.2, 0.5, 60.24N, 0.04, 25.16E, 0.06, n15, c05/07/24, Finland

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

WEL 11 09:04:24.6, 0.4, 39.05S, 174.96E, h208km, 2km, ML3.6/4, IC Error ellipse: s-maj=2.9km s-min=2.4km az=0.0, North Island

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

Table with columns: KNZ, MWZ, MTW, MRW, MWL, SNZO, MSWZ, NNZ, TUWZ, QRZ, BSWZ, THZ, KHZ, DSZ, LTZ, MOZ, VWZ, ODZ

MAN 11 09:19:23.0, 10.00N-122.23E, h27km, mb3.9, ML2.7, MS2.3, Negros

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

MEX 11 09:22:09.9, 0.9, 18.31N, 101.79W, h16km, 21km, MD4.0, Guerrero

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

ISC 11 09:45:50.4, 1.1, 38.80N, 0.05, 32.5E, 0.1, h10km, n5, c1909/9, Turkey

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

MAN 11 09:50:58.3, 16.07N-120.00E, h7km, mb3.8, ML2.6, MS2.2, ID, Lebanon

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

MAN 11 10:12:55.0, 9.98N-126.18E, h23km, mb4.2, ML3.0, MS2.8, Mindanao

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

ISC 11 10:12:47.6, 1.0, 26.62N, 141.99E, h105km, 12km, mb3.5/3, mb1 3.7/3, mb1mx3.1/19, MS2.4/1, Ms1 2.4/1, ms1mx2.0/26, Error ellipse: s-maj=76.9km s-min=23.5km az=84.0, Bonin Islands region

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

ISC 11 10:43:53.2, 9.30, 61S, 177.40W, mb3.9/4, mb1 4.1/6, mb1mx3.9/17, ML3.4/2, Error ellipse: s-maj=63.3km s-min=32.8km az=112.0

ISC 11 10:43:57.0, 4.4, 30.7S, 0.1, 177.5W, 0.7, h33km, n8, c1900/8, mb3.9/4, Kermadec Islands

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

STR 11 11:12:49.0, 4.0, 45.03N-6.59E, h5km, 1km, ML2.3, Error ellipse: s-maj=0.0km s-min=0.0km az=12.0

LDG 11 11:12:49.0, 1.0, 45.02N-6.59E, h2km, MD2.5/1, ML2.4/1, Error ellipse: s-maj=1.9km s-min=1.1km az=69.0

NEIC 11 11:12:49.0, 2.5, 45.01N-6.56E, h3km, ML2.5(GEN), ML2.4(LDG), ML2.3(STR), After GEN

ISC 11 11:12:48.6, 0.3, 45.01N-0.62E, 6.55E, 0.03, h8km, 4km, n32, c084/52, France

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Cesana Torines, Montbardon, Abries, Grand'Maison, Oris-ent-Raitton, etc.

BER 11 11:45:07.6, 6.78.13N x 7.60E, MD2.6, ML 1.9, ML2.4(NAO)
NAO 11 11:45:09.1, 4.3, 78.36N x 7.92E, h10km, 21km, ML2.4, Svalbard region

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

NEIC 11 12:22:10.3, 30.81S x 71.23W, h63km, MD3.7(GUC), After GUC
GUC 11 12:22:10.3, 0.7, 30.81S x 71.23W, h63km, 3km, MD3.7, ML3.4, 1C-2D, 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 Ovale, CMCH Combarbala, Tollo Astrono, etc.

IDC 11 12:37:35.2, 1.4, 18.56S x 173.65W, mb3.9/3, mb1.4/3, mb1mx3.8/17, ML4.0/1, Error ellipse: s-maj=81.3km s-min=27.4km az=163.0, Tonga Islands

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

IDC 11 12:55:43.9, 8.3, 5.03S x 104.40E, h234km, 85km, mb3.0/7, mb1.3/17, mb1mx3.0/15, Error ellipse: s-maj=52.2km s-min=13.5km az=90.0, Southern Sumatera

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

TAP 11 13:10:47.2, 24.48N x 121.82E, h17km, ML3.8
TAP Feit I / J at Nanau, I / J at Ilan, I / J at Nanshan
JMA 11 13:10:47.2, 0.2, 24.70N x 121.86E, h51km, M3.1
ISC 11 13:10:46.5, 0.5, 24.45N x 102.121.95E, 0.02, h5km, 4km, n50, c098/74, 5C-4D, Taiwan

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

NEIC 11 13:41:54.9, 2.1, 11.64S x 166.68E, h150km, mb3.8/2, Error ellipse: s-maj=86.2km s-min=21.5km az=138.0
IDC 11 13:41:54.5, 16.0, 11.83S x 166.79E, h149km, 136km, mb3.6/5, mb1.3/8.5, mb1mx3.5/15, Error ellipse: s-maj=107.0km s-min=39.1km az=131.0
ISC 11 13:41:53.7, 3.2, 11.7S x 166.66E, 0.6, h150km, n9, c096/77, mb3.76, Santa Cruz Islands

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

STR 11 13:12:03.8, 0.5, 45.96N x 2.86E, h2km, 1km, ML1.5, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0
LDG 11 13:12:03.0, 0.1, 45.94N x 2.81E, h2km, MD1.5/2, ML1.5/6, Error ellipse: s-maj=1.4km s-min=0.6km az=124.0
ISC 11 13:12:01.9, 0.5, 45.95N x 0.03, 2.79E, 0.05, h2km, n11, c083/19, France

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Petit Puy Mans, Signal de Mont, etc.

NEIC 11 13:16:24.8, 40.26N x 19.91E, h32km, MD3.3(ATH), After ATH
THE 11 13:16:24.7, 40.42N x 19.75E, h10km, ML3.2
ATH 11 13:16:24.8, 40.26N x 19.91E, h32km, MD3.3/3
TIR 11 13:16:25.3, 40.20N x 19.96E, h6km, ML2.6
ISC 11 13:16:25.6, 0.4, 40.19N x 0.02, 19.90E, 0.05, h6km, n20, c157/36, 1C-2D, Albania

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

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

THR 11 13:16:46.7, 1.4, 36.35N x 51.31E, h14km, 66km, ML3.3
NNC 11 13:16:57.4, 1.7, 36.93N x 53.43E, Error ellipse: s-maj=25.7km s-min=11.8km az=85.0
ISC 11 13:16:47.1, 0.7, 36.53N x 51.6E, 0.1, h33km, n9, c056/11, mb3.4/4, 6C-1D, Northern and central Iran

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

NEIC 11 13:41:54.9, 2.1, 11.64S x 166.68E, h150km, mb3.8/2, Error ellipse: s-maj=86.2km s-min=21.5km az=138.0
IDC 11 13:41:54.5, 16.0, 11.83S x 166.79E, h149km, 136km, mb3.6/5, mb1.3/8.5, mb1mx3.5/15, Error ellipse: s-maj=107.0km s-min=39.1km az=131.0
ISC 11 13:41:53.7, 3.2, 11.7S x 166.66E, 0.6, h150km, n9, c096/77, mb3.76, Santa Cruz Islands

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

FUNV 11 14:22:58.4, 11.15N x 61.82W, h71km, MW2.4
TRN 11 14:22:58.2, 11.20N x 61.70W, h77km, MD2.6
ISC 11 14:22:56.1, 1.2, 11.13N x 0.05, 61.87W, 0.06, h91km, gkm, n10, c193/19, 2C-1D, Windward Islands

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

NEIC 11 14:28:13.6, 0.4, 38.35S x 178.28E, h29km, 2km, ML4.0/6, 2C, Error ellipse: s-maj=4.8km s-min=2.2km az=90.0, Off east coast of North Island

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TGRZ Tauranga, PWZ Pawanui, MUOV Moawhango, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SJMP San Jose, SJMP San Jose, BUSP Coron, etc.

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

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

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

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

CASC 11 14:55:15.8z.2.2.11.90N-88.12W, MD3.9, mb4.0 (NEIC)
IDC 11 14:55:15.6z.2.1.12.95N-87.28W, h156km, 42km, mb3.2/2, mb1.3/8.5, mb1mx3.7/12.2, Error ellipse: s-maj=57.8km s-min=28.7km az=34.0

Bull 11 16:17:14.0.3.30S:139.00E, h48km, mb4.8
NEIC 11 16:17:14.1.1.9.3.35S:138.95E, h49km, 18km, mb4.4/9, Error ellipse: s-maj=13.8km s-min=12.1km az=87.0

IDC 11 17:07:11.4z.8.3.0.92N-126.16E, h60km, 78km, mb3.4/6, mb1.3/5.7, mb1mx3.7/16, ML3.3/1, MS3.5/1, Ms1.3/5.1, ms1mx2.8/21, Error ellipse: s-maj=96.6km s-min=24.9km az=68.0

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

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

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

MAN 11 15:37:38.2.16.04N:119.49E, h30km, mb4.5, ML3.4, MS3.3
NEIC 11 15:37:44.7z.1.1.16.02N:120.30E, h106km, 10km, mb4.1/1, Error ellipse: s-maj=21.7km s-min=7.7km az=63.0

IDC 11 17:22:19.5z.0.9.0.26S:131.35E, mb3.9/7, mb1.4/1.8, mb1mx4.1/11, ML4.1/1, MS3.9/8, Ms1.3/9.8, ms1mx3.7/16, Error ellipse: s-maj=54.5km s-min=17.0km az=99.0

IDC 11 17:22:19.3z.0.7.0.25S:108.31E, h10km, n26, 0.0594/14, mb3.8/7, MS3.9/3, Western Indian-Antarctic Ridge

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

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

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





Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Gorkha, Koldanda, Makanchi Array, etc.

NEIC 11 19:48:21.4s, 20.73S, 178.11W, h447km, 5.5km, mb4.2/1, Error ellipse: s-maj=38.2km s-min=20.7km az=193.0

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

ATH 11 19:50:22.8, 37.37N, 20.51E, h9km, MD3.6/4 THE 11 19:50:26.6, 37.55N, 20.61E, h9km, ML3.4

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like VLS, ITM, LKD, etc.

NEIC 11 19:50:55.8, 4.6, 26.87S, 178.43W, h313km, 4.4km, mb4.3/3, Error ellipse: s-maj=39.6km s-min=22.5km az=202.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like URZ, CTA, STKA, etc.

NEIC 11 20:00:14.5, 31.43S, 68.68W, h110km, mb3.5/1, MD3.7(GUC), After GUC.

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

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Jahuel, Petorca, Ilapel, etc.

NIED 11 20:09:00, 33.60N, 134.50E, h35km, Mw3.6 Best double couple: M3.35x10^14 NP1, 55, 890, 2. NP2, 145, 885, -1, 180

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Aioi, Murotomisaki, Monobe, etc.

THE 11 20:44:16.6, 40.29N, 28.31E, h10km, ML4.1 ISK 11 20:44:27.6, 40.55N, 27.20E, h17km, MD3.5

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Karabiga, Tarkidag, Marmara Adasi, etc.

STR 11 21:11:25.6, 0.1, 44.39N, 7.12E, h5km, 1km, M2.0, Error ellipse: s-maj=0km s-min=0km az=1.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Saint Ours, Mont Tournier, etc.

MAN 11 20:45:52.8, 8.51N, 126.09E, h137km, mb4.0, ML2.8, MS2.5, Mindanao

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Musuan, Cagayan de Oro, etc.

NIED 11 20:48:00, 25.40N, 124.60E, h122km, Mw3.7 Best double couple: M4.65x10^14 NP1, 229, 887, 1.78. NP2, 124, 885, -1, 180

Station list for Taiwan including Tarama, Miyako jima 2, Gusukube, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Tarama, Miyako jima 2, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Chichi jima, Asahikawa, etc.

STR 11 21:11:25.6, 0.1, 44.39N, 7.12E, h5km, 1km, M2.0, Error ellipse: s-maj=0km s-min=0km az=1.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Saint Ours, Mont Tournier, etc.

NEIC 11 21:30:43.3, 24.86N, 122.18E, h5km, ML3.4 JMA 11 21:30:40.8, 5.24, 23N, 122.20E, M2.8, Taiwan region

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

NEIC 11 22:08:26.4, 2.9, 31.57S, 178.23W, mb3.5/2, mb1 3.8/3, mb1mx3.6/15, ML3.2/1, Error ellipse: s-maj=72.3km s-min=45.4km az=124.0

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

NEIC 11 22:08:26.4, 2.9, 31.57S, 178.23W, mb3.5/2, mb1 3.8/3, mb1mx3.6/15, ML3.2/1, Error ellipse: s-maj=72.3km s-min=45.4km az=124.0

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

Tap 11 22:44:40.9, 24.58N; 122.25E, h77km, ML3.0
JMA 11 22:45:25.0-1.0, 24.21N; 123.82E, h19km, 2km, M2.5
ISC 11 22:45:26.1-0.7, 24.22N; 0.05; 123.83E; 0.04, h13km, 5km,

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

ISC 11 22:49:28.6-0.8, 20.79N; 146.57E, mb3.7/8, mb1 3.9/8,
mb1 mx3.7/22, Error ellipse: s-maj=33.2km s-min=20.8km
az=102.0
ISC 11 22:49:31.7-0.8, 20.80N; 0.1; 146.6E; 0.2, h33km, n9,

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

ISC 11 22:50:03.9-1.4, 59.96N; 147.59W, mb3.7/3, mb1 3.7/7,
mb1 mx3.5/21, ML3.2/3, MS2.6/1, Ms1 2.6/1, ms1 mx1.9/36,
Error ellipse: s-maj=19.8km s-min=14.4km az=31.0
NEIC 11 22:50:06.8-0.5, 60.22N; 147.05W, h11km, 3km,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HIN Hinchinbrook I, LATouche, FLD Port Fidalgo, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AKASG Malin Array Be, IDC 11 22:51:12.8-0.2, etc.

MOS 11 23:03:48.3-1.2, 53.86N; 166.06E, h46km, mb4.2/1, Error
ellipse: s-maj=24.7km s-min=16.1km az=27.3
KRSC 11 23:03:48.3, 53.86N; 166.06E, h46km, ML4.1,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BKI Bering, MKZ Mys Kozlovka, MKZ Mys Kozlovka, etc.

DMN 11 23:08:39.7-0.8, 30.74N; 83.49E, h10km, M16.1/5, Error
ellipse: s-maj=23.0km s-min=15.6km az=64.0
BUJ 11 23:08:41.9, 30.61N; 83.57E, h18km, mb6.2, mb5.7, Ms6.6,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HRVD 11 23:08:44.2-0.2, MOS 11 23:08:43.7-1.0, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GKN Gorkha, KOLN Koldanda, PTH Pithoragarh, etc.





Table with columns for station call signs (MDJ, MDJ, MDJ, etc.), names (Mudanjiang, Gaziantep, Lufkban, etc.), frequencies, and various status indicators (P, S, M, etc.).

Table with columns for station call signs (OFRI, SLTI, SLTI, etc.), names ('Ofir, Sal'it, Jordan, etc.), frequencies, and various status indicators (P, S, M, etc.).

Table with columns for station call signs (BNT, DAV, BALB, etc.), names (Bandirma, Davao City (W), Balikesir, etc.), frequencies, and various status indicators (P, S, M, etc.).

Table of flight data for various routes. Columns include airline codes (e.g., KWP, IDI, VTS), flight numbers, times, and status indicators. Specific entries include 'Anoyia 48.89 292 P' and 'Warsaw 49.90 314j|EP'.

Table of flight data for various routes. Columns include airline codes (e.g., GKP, GKK, GSK), flight numbers, times, and status indicators. Specific entries include 'Gorka Kiasztor 52.18 316 eP' and 'Mol Rana 53.95 332|EP'.

Table of flight data for various routes. Columns include airline codes (e.g., KMBO, RUE, BRG), flight numbers, times, and status indicators. Specific entries include 'Ruedersdorf 54.32 315 eP' and 'Novaja 54.68 305|EP'.



Table with columns: Code, Name, Date, Time, Location, Status, etc. Includes entries like EINC Sierra Loja, NWAO Narrogin, ECAB El Cabril, STS Santiago, etc.

Table with columns: Code, Name, Date, Time, Location, Status, etc. Includes entries like STKA Stephens Creek, MIDW Midway, FRB Froberisher Bay, ADE Adelaide, etc.

Table with columns: Code, Name, Date, Time, Location, Status, etc. Includes entries like YBH Yreka Blue Hor, YBH Yreka Blue Hor, HLID Hailey, WVOR Wild Horse Val, etc.

11d 23h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like DWPF, LTX, TXAR, QSPA, PMOR, TVO, VAH, TBI, BDFB, SDV, SDV, JTS, ROSC, OTAV, RKT, EFI, CPUP, LPA, USHA, PAYG, LAZ, LPZ, TRQA, LVC, PLCA, FCH, RPN.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like PTH, MKAR, SONM, FINES, SGF, LOF, ARAO, PTH, MKAR, SONM, FINES, DMN, PTH, MKAR, SONM, FINES, MSF.

2004 JUL

mb1mx4.0/23, ML3.4/2, Error ellipse: s-maj=23.4km s-min=17.1km az=40.0 NEIC 11 23:24:03.6:0.3, 30.82N-83.67E, h10km, mb4.5/2, Error ellipse: s-maj=9.3km s-min=5.1km az=70.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like DANN, GKN, KOLN, SJK, PTH, KKN, DMN, VLK, PKI, LSA, HYB, MKAR, CM31, CMAR, KURK, BVAR, SONM, CHZK, AKASO, MLR, FINES, IDI, WRA, ASAR, ILAR, DBIC, CPUP, CPUP, CPUP, LPZ, LPZ, LPZ.

NEIC 11 23:28:14.8:0.7, 30.76N-83.58E, h10km, Error ellipse: s-maj=20.9km s-min=10.6km az=218.0 IDC 11 23:28:20.4:6.9, 30.65N-83.54E, h57km, 63km, mb3.6/7, mb 3.7/9, mb1mx3.5/21, ML3.7/2, Error ellipse: s-maj=33.9km s-min=19.8km az=37.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like PTH, PTH, LSA, MKAR, KURK, SONM, CHZK, AKASO, FINES, IDI, NOA, WRA, ILAR, CPUP, CPUP, CPUP.

HEL 11 23:31:13.9:0.1, 67.83N-20.20E, ML2.1, ML2.5(UPP), ML1.8(BER), Explosion NAO 11 23:31:13.7:1.8, 67.80N-20.15E, ML2.2 BER 11 23:31:15.5:3.1, 67.86N-20.01E, ML1.8, ML2.2(NAO), Suspected explosion

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like KUA, NIKU, DUNU, MASU, KIF, PAJU, PTH, ERTU, KTK1, KTK1, TRO, TRO, SGF, SGF, LOF, ARAO, ARAO, ARAO, MORB, MORB, KEV, KEV, OUL, OUL, MSF, MSF.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like NSS, NSS, FIAO, FIAO, HFS, HFS, HFS, HFS.

MOS 11 23:46:11.2:0.9, 20.11Sx126.93W, h10km, mb6.2/43, MS6.0/19, Error ellipse: s-maj=12.4km s-min=6.0km

IDC 11 23:46:11.0:0.3, 20.09Sx126.89W, mb5.5/24, mb 1.5/6/24, mb1mx5.6/24, MS5.9/23, Ms1 5.8/23, ms1mx5.7/36, Error ellipse: s-maj=12.6km s-min=9.1km az=155.0, Putative timing error at EIL

HRV 11 23:46:12.6:0.2, 20.14Sx127.01W, h14km, MW6.1/72, Centroid moment Tensor Solution. LP body waves: s7.2c164; Mantle waves: s66.c118; Mrr-1.62z.02; Moment tensor: Scale 10^18Nm; Mrr-1.62z.02; Mtt-0.05z.08; Best double couple: Ms1.72z.10^18 NP1: 0.350, 0.44, -0.87; NP2: 0.166, 0.46, -0.93; Principal axes: T 1.83, P1: Azm259; N1-2, P1z2; Azm168; P1-2, P1z8, Azm167; nsta1 refers to body waves; cutoff=10s, nsta2 refers to mantle waves; cutoff=125s; BUJ 11 23:46:12.5, 20.30Sx126.90W, h12km, mb6.2, Ms6.2, Ms2.9

NEIC 11 23:46:12.6:0.1, 20.25Sx126.93W, h12km, mb6.1/95, ME6.1, MS5.9/100, MW6.1, Error ellipse: s-maj=4.9km s-min=3.3km az=117.0 Broadband fault plane solution: P 1.9m, N 1.0m, S 0.5m, bazz=30, slow=6.9, SNR=7.4 CHZK Chkalovo 24.81 341 eP P 23 29 26.9 +1.3

ISC 11 23:46:11.3:1.7, 20.17Sx126.93W, h10km, mb6.0/53, h13km, n10km, n77z, 0.0979/346, mb6.0/118, MS5.9/133, 18C-143D, South Pacific Ocean

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like PTCN, RKT, RKT, RKT, RPN, MEH, VAH, PMOR, TBI, TBI, TVO, TIAR, PAE, PPT, PPT, PPT, RAR, RAR, RAR, PAYG, ZIIG, CAIG, HUG, MOIG, CMIG, NNA, NNA, ZIIG, JTS, JTS, URZ, URZ, TLL, KIP, KIP, CLCH, OLAV, OLAV, FCH, LMEL, LMEL, PLCA, PLCA, BKZ, BKZ, PTP, TUZ, ARE, NGZ, NGZ, CNZ, FWVZ, FWVZ, HIZ, SNZO, SNZO, WCZ, WCZ.

Table with columns: Call Sign, Name, Frequency, Mode, Class, Power, and other technical details. Includes entries for Barrett, AZU, Limon Verde, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Class, Power, and other technical details. Includes entries for RW3, RIDWAY, RW3, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Class, Power, and other technical details. Includes entries for LON, Longmire, LON, etc.









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

NEIC 12 00:05:54.8±1.6, 12.47S;76.82W, h65km, 1.2km, Error ellipse: s-maj=41.1km s-min=12.3km az=61.0

NEIC Fell (Jiji) at Chilca. IDC 12 00:05:58.3±7.1, 12.40S;76.44W, h96km, 76km, mb3.5/4, mb1.3/0.6, mb1mx3.4/2.0, ML3.7/2. Error ellipse: s-maj=80.7km s-min=32.0km az=80.0

ISC 12 00:05:53.6±1.3, 12.55S;0.1±76.8W, h63km, 8km, n13, o#88/15, mb3.9/4, Near coast of Peru

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

NEIC 12 00:13:22.8±3.3, 23.40S;179.68W, h479km, 38km, mb4.3/6, Error ellipse: s-maj=25.8km s-min=15.2km az=199.0

IDC 12 00:13:24.3±5.0, 23.50S;179.67W, h497km, 60km, mb3.7/1.1, mb1.3/0.12, mb1mx3.7/2.0, Error ellipse: s-maj=34.7km s-min=20.0km az=13.0

ISC 12 00:13:24.9±3.9, 23.65S;0.1±179.8W, h2.0, h514km, 47km, n24, #192/21, mb4.2/14, 2C-4D, South of Fiji Islands

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

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

MEX 12 00:27:15.5±0.8, 18.08N;94.96W, h75km, 97km, MD3.8, Bay of Campeche

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

NEIC 12 00:30:39.7±0.2, 53.42N;171.10W, h210km, 2km, mb4.3/3, Error ellipse: s-maj=9.8km s-min=2.9km az=157.0

IDC 12 00:30:41.8±2.0, 53.57N;171.29W, h228km, 19km, mb3.5/1.7, mb1.3/0.19, mb1mx3.7/2.8, Error ellipse: s-maj=16.4km s-min=9.8km az=173.0

ISC 12 00:30:39.9±0.3, 53.42N;0.08±171.06W, 0.06, n24, #192/21, mb4.2/14, 2C-4D, South of Fiji Islands

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

NEIC 12 01:11:14.7±0.2, 23.26N;123.40E, mb4.8/3, n13, o#88/15, Error ellipse: s-maj=6.7km s-min=5.5km az=93.0

IDC 12 01:11:14.7±0.2, 23.21N;123.28E, h283km, 4km, mb4.5/2.5, mb1.4/0.2, mb1mx4.5/3.1, ML3.9/2, MS3.8/1, Ms1.3/8.1, ms1mx3.5/2.2, Error ellipse: s-maj=16.8km s-min=11.8km az=76.0

MAN 12 01:11:51.6, 20.46N;122.11E, h19km, mb4.4, ML3.2, MS3.0

ISC 12 01:11:10.9±0.7, 23.17N;0.03±123.36E, 0.03, h18km, 4km, n13, o#88/15, #192/21, p, n187, #190/19, mb4.8/61, MS4.5/7, 16C-4D, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Hateruma jima, Iriomote-Funau, etc.

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

IDC 12 00:44:29.2±7.9, 25.65N;83.56E, mb3.8/2, mb1.3/8/3, mb1mx3.4/18, ML3.7/1, Error ellipse: s-maj=143.0km s-min=54.4km az=179.0

NEIC 12 00:44:36.6±2.7, 30.61N;83.73E, h10km, Error ellipse: s-maj=59.0km s-min=15.4km az=209.0

ISC 12 00:44:06.0±9.31, 0N;0.1±83.91E, 0.10, h10km, n7, #1916/8, mb3.7/2, Xizang

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

WEL 12 00:45:37.4±0.4, 45.29S;167.06E, h12km, ML3.5/8, 3C-2D, Error ellipse: s-maj=3.4km s-min=1.1km az=90.0, South Island

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

NEIC 12 01:11:00.23, 20N;123.40E, h8km, Mw4.6 Best double couple: Mw7.8-1015 NP1;phi=85°, s48°, lambda101°. NP2;phi=248°, delta3°, lambda78°

BUI 12 01:11:12.5, 23.38N;123.47E, h29km, mb4.6, mb4.6, ML2.1, Ms4.8, Msz4.4

JMA 12 01:11:12.7±0.2, 23.19N;123.38E, h56km, 4km, M4.9

MOS 12 01:11:13.8±1.1, 23.30N;123.37E, h33km, mb5.1/26, MS4.6/4, Error ellipse: s-maj=13.5km s-min=7.2km az=105.1

NEIC 12 01:11:14.7±0.2, 23.26N;123.40E, mb4.8/3, n13, o#88/15, Error ellipse: s-maj=6.7km s-min=5.5km az=93.0

IDC 12 01:11:14.7±0.2, 23.21N;123.28E, h283km, 4km, mb4.5/2.5, mb1.4/0.2, mb1mx4.5/3.1, ML3.9/2, MS3.8/1, Ms1.3/8.1, ms1mx3.5/2.2, Error ellipse: s-maj=16.8km s-min=11.8km az=76.0

MAN 12 01:11:51.6, 20.46N;122.11E, h19km, mb4.4, ML3.2, MS3.0

ISC 12 01:11:10.9±0.7, 23.17N;0.03±123.36E, 0.03, h18km, 4km, n13, o#88/15, #192/21, p, n187, #190/19, mb4.8/61, MS4.5/7, 16C-4D, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Hateruma jima, Iriomote-Funau, etc.

QZH comp=N, 370nm, 0.7s

QZH comp=E, 350nm, 0.8s

QZH comp=N, 9um, 10.0s

QZH comp=Z, 9um, 8.8s

CVP Callao Caves 5.63 195 eP Pn 01 12 34.9 -0.9

APP Conner 5.64 201 eP Pn 01 12 34.8 -1.3

JOW Kunigami 5.76 50 eP Pn 01 12 34.1 -3.6

JOW Kunigami 5.76 50 eP Pn 01 12 33.9 -3.8

ABRA Dolores 6.03 205 eP Pn 01 12 41.4 -0.1

CAUP Cauayan 6.36 193 eP Pn 01 12 47.0 +0.8

JTK Tokunoshima 6.83 47 eP Pn 01 12 49.0 -3.8

JMZ Minamidaito 7.63 68 eP Pn 01 12 59.3 -1.4

SSE Sheshan 8.13 347 eP Pn 01 14 38.7 -4.7

comp=Z, 72nm, 0.7s

Table of station data including call signs (e.g., NJ2, JNU, ENH), frequencies, and various status indicators.

Table of station data including call signs (e.g., AS12, ASAR, FX1), frequencies, and various status indicators.

Table of station data including call signs (e.g., DPC, VRC, YKA), frequencies, and various status indicators.





Table with columns: FITZ, WRA, ASAR, SONM, MKAR, ILAR. Rows include station names, coordinates, and times.

IDC 12 06:16:23.4.2.1, 24.50Sx179.99E, h478km, 23km, mb3.0/12 mb1 3.9/13, mb10mx3.7/17, Error ellipse: s-maj=18.4km s-min=14.0km az=4.0

NEIC 12 06:16:25.1.2.1, 24.53Sx179.91E, h498km, 24km, mb4.3/7, Error ellipse: s-maj=15.3km s-min=10.9km az=203.0

ISC 12 06:16:25.2.2.3, 24.45Sx0.08-179.8E, 0.1, h509km, 26km, n30, e088/32, mb4.0/15, 1C-4D, South of Fiji Islands

Main table for the first section with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Matakaoa Point, Urewera, etc.

IDC 12 06:24:48.2.1.6, 16.39Sx178.64W, mb4.1/7, mb1 4.3/7, mb10mx4.1/15, Error ellipse: s-maj=103.0km s-min=21.5km az=150.0

ISC 12 06:24:52.0.1.4, 16.4ASx0.6-178.7W, 0.4, h33km, n7, e034/7, mb4.0/7, Fiji Islands region

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

STR 12 06:31:24.5.1.0, 4.7.63N, 1.18W, h5km, 1km, M3.1, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

LDG 12 06:31:24.7.0.1, 4.7.65N, 1.40W, h8km, M2.6/2, M2.6/14, Error ellipse: s-maj=1.5km s-min=0.8km az=61.0

NEIC 12 06:31:24.7.0.1, 4.7.65N, 1.40W, h8km, M2.7(STR), M2.6(LDG), After LDG.

ISC 12 06:31:22.1.0.4, 47.61N, 0.02-1.33W, 0.03, h12km, 3km, n17, e134/50, France

Main table for the second section with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Gorron, La Chataignera, etc.

Table for the third section with columns: TCF, RJF, LOR, BGF, SSF, LOR, CAF, EPF, MTLF. Rows include station names, coordinates, and times.

NIED 12 06:41:00, 39.00N, 144.40E, h5km, Mw3.5, Best double couple: M2.32x1014 NP1, s=269, s58, l=106. NP2: s=137, s39, l=66

JMA 12 06:41:17.0.0.1, 39.03N, 144.37E, h55km, M3.5, Off east coast of Honshu

Table for the third section with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Miyako, Ofunato, etc.

IDC 12 06:44:51.6.2.3, 43.79N, 127.92W, mb3.7/5, mb1 3.9/11, mb1mx3.8/27, ML3.6/6, MS3.1/6, M1 3.1/6, ms1mx2.8/30, Error ellipse: s-maj=35.4km s-min=17.6km az=67.0

NEIC 12 06:44:54.1.1.1, 43.76N, 127.92W, h10km, mb3.7/3, Error ellipse: s-maj=13.1km s-min=5.8km az=82.0

ISC 12 06:44:51.4.2.6, 43.77N, 127.92W, 0.04, h28.0W, 0.1, h9km, n17, e134/69, mb3.7/5, MS3.1/4, Off coast of Oregon

Main table for the third section with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Edson Butte, Bosley Butte, etc.

Table for the fourth section with columns: ULM, ILAR, LTX, TXAR, INK, SADO, SCHO, LPAZ. Rows include station names, coordinates, and times.

NEIC 12 06:48:35.1.3.4, 24.62Sx178.85E, h480km, 40km, mb4.2/2, Error ellipse: s-maj=30.1km s-min=16.4km az=194.0

IDC 12 06:48:45.8.5.2, 05.10Sx178.68E, h611km, 110km, mb3.0/6, mb1 3.3/8, mb10mx3.2/15, Error ellipse: s-maj=67.8km s-min=24.7km az=20.0

ISC 12 06:48:40.4.3.2, 24.9S, 0.2-178.7E, 0.2, h522km, 43km, n24, e099/20, mb3.6/7, South of Fiji Islands

Main table for the fourth section with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Urewera, South Korea, etc.

IDC 12 06:49:24.1.17.0, 12.40Sx166.65E, h215km, 170km, mb3.4/5, mb1 3.7/5, mb10mx3.4/14, Error ellipse: s-maj=78.9km s-min=47.9km az=152.0, Santa Cruz Islands

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

NEIC 12 06:52:14.6.32.01S, 69.34W, h137km, MD3.6(GUC), After GUC

GUC 12 06:52:14.6.0.7, 32.01S, 69.34W, h137km, 13km, MD3.6, ML3.3, 1C-1D, Mendoza Province

Main table for the fifth section with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Jahuel, Petorca, etc.

BJI 12 07:27:06.8, 43.80N, 128.10W, h10km, mb4.2, mb4.1, MS4.4, MS24.1, IDC 12 07:27:07.8.1.2, 43.79N, 128.03W, mb3.8/6, mb1 4.1/12, mb1mx3.9/26, ML3.6/6, MS3.5/14, Ms1 3.5/14, ms1mx3.3/30, Error ellipse: s-maj=25.0km s-min=13.7km az=44.0, NEIC 12 07:27:09.0.6, 43.78N, 128.09W, h10km, mb4.1/9, Error ellipse: s-maj=8.2km s-min=4.8km az=63.0, ISC 12 07:27:07.0.5, 43.80N, 0.03-128.12W, 0.06, h10km, n94, e191/190, mb3.8/7, MS3.5/11, Off coast of Oregon

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KEBM Edson Butte, KBO Bosley Butte, COR Corvallis, HSO Harney Mounta, etc.

Table with columns: WRA, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CTBH Cotabato-PC H, KUP KUP, PAGZ Pagadian, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LGTI Lohaghat, PTH Pithoragarh, MKAR Makanchi Array, etc.

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MEX MEX 12 09:22:53.8, etc.





Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BJI, HHC, WMQ, MDJ, MKAR, ASAJ, KURK, MAW, MAW, MAW, BVAR, BKVK, CHVK, KMBO, KMBO, VANDA, VANDA, VANDA, VANDA, SBA, LSZ, ASF, ASF, MALT, QSPA, QSPA, SNAZ, SNAZ, VNA2, VNA2, VNA2, VNA2, VNA1, AKASG, FINES, ARCES, YKA, YKA, YKA, NVAR, NVAR, NVAR, NVAR, NCB, NCB, JCT, JCT, CCM, CCM, BINY, BINY, ACSO, ACSO, LVC, LVC, MVR, MVR, SSPA, SSPA, HKT, HKT, PLAL, PLAL.

MAN 12 10:16:38.3, 13.22N:124.36E, h7km, mb4.1, ML2.9, MS2.6, 1C, Luzon

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PVCP, PVCP, CNP, CNP, BESP, BESP, PLP, PLP, RCP, RCP.

IDC 12 11:01:19.3, 1.4, 11.09S:118.84E, h10km, mb4.1/2, mb1 4.1/5, mb1mx3.8/13, ML3.3/3, Error ellipse: s-maj=55.6km s-min=22.4km az=59.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KEDI, KEDI, RATI, RATI, INGI, INGI, INGI, KELI, KELI, KELI, FITZ, FITZ, FITZ, WRA, WRA, WRA, WB2, WB2, AS12, AS12, ASAR, ASAR, ASAR, NWA0, NWA0, MKAR, MKAR.

MEX 12 11:05:25.9, 0.8, 16.71N:100.88W, h5km, 22km, MD4.5 IDC 12 11:05:26.6, 3.2, 16.41N:100.36W, mb4.2/7, mb1 4.4/8, mb1mx4.2/21, MS3.6/1, MS1 3.6/1, ms1mx2.8/31, Error ellipse: s-maj=59.2km s-min=41.8km az=17.0

NEIC 12 11:05:29.9, 16.56N:100.67W, h13km, mb4.2/17, MD4.5(MEX), After MEX

ISC 12 11:05:31.3, 1.5, 16.84N:0.07-100.42W, 0.04, h18km, gkm, mb, c094/64, mb2.15, 29.19, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CAIG, CAIG, CAIG, ZIIG, ZIIG, ZIIG, PNIG, PNIG, PNIG, YAGI, YAGI, YAGI, UNM, UNM, UNM, PPM, PPM, PPM, IIB, IIB, IIB, OXX, OXX, OXX, ISM, ISM, ISM, POHV, POHV, POHV, HUIG, HUIG, HUIG, SFJM, SFJM, SFJM, LVIG, LVIG, LVIG, CMIG, CMIG, CMIG, TXAR, TXAR, TXAR, TXAR, TXAR, LAZ, LAZ, LAZ, MIAR, MIAR, MIAR, ANMO, ANMO, ANMO, LRAL, LRAL, LRAL, WUAZ, WUAZ, WUAZ, PLAL, PLAL, PLAL, SDCO, SDCO, SDCO, PFO, PFO, PFO, PV01, PV01, PV01, SWET, SWET, SWET, CCM, CCM, CCM, NEN, NEN, NEN, PV10, PV10, PV10, MYNC, MYNC, MYNC, SRU, SRU, SRU, MSC, MSC, MSC, NLU, NLU, NLU, DDU, DDU, DDU, TCUT, TCUT, TCUT, HWUT, HWUT, HWUT, MNV, MNV, MNV, NVAR, NVAR, NVAR, NVAR, NVAR, NVAR, BLA, BLA, BLA, FWW, FWW, FWW, AHID, AHID, AHID, REDW, REDW, REDW, YRM, YRM, YRM, HLMT, HLMT, HLMT, WVOR, WVOR, WVOR, BOZ, BOZ, BOZ, SDV, SDV, SDV, HRY, HRY, HRY, CHMT, CHMT, CHMT, SADO, SADO, SADO, ULM, ULM, ULM, ULM, NEW, NEW, NEW, DPW, DPW, DPW, FCC, FCC, FCC, SCHO, SCHO, SCHO, SCHO, YKA, YKA, YKA, DLBC, DLBC, DLBC, DLBC, DLBC, INK, INK, INK, ILAR, ILAR, ILAR, MCK, MCK, MCK, SPG, SPG, SPG, BORG, BORG, BORG, JMJC, JMJC, JMJC, NOA, NOA, NOA, FINES, FINES, FINES, AKJ2, AKJ2, AKJ2, NVAN, NVAN, NVAN, LZH, LZH, LZH, LZH, LZH.

IDC 12 11:15:49.8, 5.3, 16.66N:100.41W, mb4.4/9, mb1 4.5/10, mb1mx4.3/23, ML3.3/1, MS3.7/10, MS1 3.7/10, ms1mx3.4/29, Error ellipse: s-maj=99.5km s-min=41.1km az=3.0

BUI 12 11:15:51.5, 16.60N:100.70W, h10km, Ms4.8, MSz4.6 NEIC 12 11:15:51.5, 16.58N:100.67W, h10km, Ms4.4/25, MD4.6(MEX), After MEX

MEX 12 11:15:53.0, 8.16.80N:100.66W, h5km, 5km, MD4.5 IDC 12 11:15:51.2, 0.6, 16.90N:0.09-100.57W, 0.03, h5km, n97, c120/97, mb4.4/26, MS3.7/10, 2C, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CAIG, CAIG, CAIG, ZIIG, ZIIG, ZIIG, PNIG, PNIG, PNIG, YAGI, YAGI, YAGI, UNM, UNM, UNM, PPM, PPM, PPM, IIB, IIB, IIB, OXX, OXX, OXX, ISM, ISM, ISM, POHV, POHV, POHV, HUIG, HUIG, HUIG, SFJM, SFJM, SFJM, LVIG, LVIG, LVIG, CMIG, CMIG, CMIG, TXAR, TXAR, TXAR, TXAR, TXAR, LAZ, LAZ, LAZ, MIAR, MIAR, MIAR, ANMO, ANMO, ANMO, LRAL, LRAL, LRAL, WUAZ, WUAZ, WUAZ, PLAL, PLAL, PLAL, SDCO, SDCO, SDCO, PFO, PFO, PFO, PV01, PV01, PV01, SWET, SWET, SWET, CCM, CCM, CCM, NEN, NEN, NEN, PV10, PV10, PV10, MYNC, MYNC, MYNC, SRU, SRU, SRU, MSC, MSC, MSC, NLU, NLU, NLU, DDU, DDU, DDU, TCUT, TCUT, TCUT, HWUT, HWUT, HWUT, MNV, MNV, MNV, NVAR, NVAR, NVAR, NVAR, NVAR, NVAR, BLA, BLA, BLA, FWW, FWW, FWW, AHID, AHID, AHID, REDW, REDW, REDW, YRM, YRM, YRM, HLMT, HLMT, HLMT, WVOR, WVOR, WVOR, BOZ, BOZ, BOZ, SDV, SDV, SDV, HRY, HRY, HRY, CHMT, CHMT, CHMT, SADO, SADO, SADO, ULM, ULM, ULM, ULM, NEW, NEW, NEW, DPW, DPW, DPW, FCC, FCC, FCC, SCHO, SCHO, SCHO, SCHO, YKA, YKA, YKA, DLBC, DLBC, DLBC, DLBC, DLBC, INK, INK, INK, ILAR, ILAR, ILAR, MCK, MCK, MCK, SPG, SPG, SPG, BORG, BORG, BORG, JMJC, JMJC, JMJC, NOA, NOA, NOA, FINES, FINES, FINES, AKJ2, AKJ2, AKJ2, NVAN, NVAN, NVAN, LZH, LZH, LZH, LZH, LZH.

LZH comp=Z.298nm,20.1s

PDG 12 11:26:27.3:0.1,39.09N;19.56E,h11km,1km
NEIC 12 11:26:28.4,39.28N;20.21E,h1km,MD3.7(PDG),
ML4.0(TH),ML3.9(ATH),After THE.

NEIC Fall at Parga,
THE 12 11:26:28.4,39.27N;20.20E,h1km,ML4.0
IDC 12 11:26:29.0,39.44N;20.55E,mb3.9/1,mb1 4.0/14,
mb1mx3.9/25,ML3.8/3, Error ellipse: s-maj=23.1km
s-min=17.5km az=52.0

ATH 12 11:26:29.0,39.31N;20.33E,h5km,MD4.0/11,ML3.9
SOF 12 11:26:43.3,39.94N;21.23E,h10km,MD3.5
ISC 12 11:26:28.0,2.39,29N;0.02,20.27E;0.02,h1km,n102,
s=154/132,mb3.9/11,3C-9D, Greece-Albania border
region

Table with 10 columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Lists various stations like IGT, IGT, KEK, etc.

DBIC Dimbokro 39.58 221 P P 11 34 04.1 +1.2
MKAR Makanchi Array 44.90 59 P P 11 34 42.0 -4.0
SCHO Schefferville 57.52 317 P P 11 36 19.2 -2.1

SCHN Songo Array 59.91 51 P P 11 36 33.7 -4.2
ILAR Eielson Array 75.79 354 P P 11 38 15.4 -1.5
TXAR Lajitas Array 94.07 313 P P 11 39 49.5 -0.1
ASAR Alice Springs 122.48 95 PKP 11 45 23.6 -4.0

IDC 12 11:58:59.7:2.4,5.93S;146.62E,h84km,20km,mb3.7/10,
mb1 3.9/12,mb1mx3.9/15, Error Ellipse: s-maj=25.7km
s-min=15.8km az=74.0
NEIC 12 11:59:01.6:1.5,5.97S;146.51E,h99km,13km,mb4.2/2,
Error ellipse: s-maj=12.7km s-min=10.8km az=97.0

ISC 12 11:58:59.4:2.0,5.96S;0.10,146.6E;0.1,1,h96km,18km,
n25, s=69/224,mb3.8/10,3C-1D, Eastern New Guinea
region

Table with 10 columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Lists various stations like PMG, CTA, CKA, etc.

JJS Attu Island-F 3.44 91 P S 12 51 58.2 -1.7
JHE Heguri 0.90 110 P P 12 45 59.0 -0.1
JHE Matsushiro 3.28 60 P P 12 46 16.3 -0.0
MAT Matsushiro 3.28 60 P P 12 46 57.2 +1.4

MOS 12 12:51:13.9:1.0,52.80N;168.46E,h33km,mb4.0/1, Error
ellipse: s-maj=20.4km s-min=12.2km az=28.9
IDC 12 12:51:18.2:4.4,53.56N;169.10E,mb3.6/5,mb1 4.0/6,
mb1mx3.6/23,ML3.4/1,MS3.0/1,MS1 3.0/1,ms1mx2.2/6,
Error ellipse: s-maj=83.6km s-min=19.9km az=38.0
KRSC 12 12:51:20.1,53.01N;167.62E,h53km,ML4.1
ISC 12 12:51:22.6:0.9,53.06N;0.04,167.49E;0.08,h53km,n47,
s=190/81,mb3.5/5,MS3.0/1, Komandorsky Islands
region

Table with 10 columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Lists various stations like BKI, BKI, BKI, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h m s ISC. Includes stations like INK Inuvik, YKA Yellowknife Arr, NVAR Mina Array Bea, etc.

IDC 12 12:52:18.0u.0.3, 30.575x177.86W, mb4.27, mb1 4.4/9, mb1mx4.3/16, ML4.2, MS3.8x3, Ms1 3.7/3, m1mx3.4/16, Error ellipse: s-maj=26.8km s-min=20.9km az=12.0

Main station list table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h m s ISC. Includes stations like MXZ Matakaoa Point, WXC Wuketiiti, PUZ Waipatu Caves, etc.

MEX 12 12:59:47.9.0.7, 16.27N-98.08W, h17km, 18km, MD3.8

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

BUI 12 13:04:03.5, 46.59N; 13.38E, h6km, mb5.2, mb5.0, Ms5.3, Msz5.0

CSEM 12 13:04:05.4, 46.26N; 13.65E, h5km, mb5.1

MOS 12 13:04:05.9, 0.9, 46.28N; 13.69E, h10km, mb5.1/24, MS4.8/27, Error ellipse: s-maj=5.4km s-min=3.6km

MED\_RC 12 13:04:05.4, 0.2, 46.32N; 13.65E, h15km, MW5.2/8

MO 12 13:04:05.4, 0.2, 46.32N; 13.65E, h15km, MW5.2/8

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h m s ISC. Includes stations like CAGR Bojanci, BGLD Berchtesgaden, GOLS Solise, etc.

axes: T:5.66, P:653'; Azm88': N:2.45, Plg37': Azm264': P -8.11, Plg2': Azm356'; nsta1 refers to waves, cutoff=35s.

IDC 12 13:04:05.8, 0.4, 46.28N; 13.61E, mb4.7/24, mb1 4.9/36, m1mx4.8/38, ML4.7/11, MS4.7/29, Ms1 4.7/29, mb1mx4.6/39, Error ellipse: s-maj=7.8km s-min=7.0km az=94.0, putative timing error at EIL

LJU 12 13:04:06.0, 46.31N; 13.62E, h11km, ML4.9

ROM 12 13:04:06.3, 0.4, 46.36N; 13.64E, h5km, ML5.2, Error ellipse: s-maj=3.8km s-min=2.3km az=0.0

HRVD 12 13:04:07.2, 0.2, 46.30N; 13.61E, h12km, MW5.2/58, Centroid Moment Tensor Solution. LP body waves:

s=3.0, c=4.8, Mantle waves: s=2.1, 0.6; Half duration: 0.1; Moment tensor: Scale 10^17Nm; Mo: 0.37z: 0.1;

Mw: 0.8t: 0.1; Mw: 0.4t: 0.1; Mw: 0.23: 0.4; Mw: 0.02: 0.1; Mw: 0.14: 0.4; Best double couple: Mw: 7.1x10^17 Np1: 0.230, 0.533, 1.252; NP2: 0.0124, 0.711, 1.411; Principal axes: T: 5.7, Plg41'; Azm81'; N: 2.8, Plg47'; Azm282'; P -8.5, Plg11'; Azm180'; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s.

ZUR 12 13:04:07.1, 46.21N; 13.55E, h2km, ML5.2/31, Ms4.5

ZUR\_RM 12 13:04:07.4, 46.30N; 13.64E, h6km, MW5.2/33, Moment Tensor Solution. s=3.3 Moment tensor: Scale 10^19Nm; Mw: 3.23; Mw: 7.78; Mw: 4.54; Mw: 0.07; Mw: 0.96; Mw: 0.13; Best double couple: Mw: 5.6x10^18 Np1: 0.221, 0.711, 1.411; NP2: 0.130, 0.881, 1.771; Principal axes: T: 4.633, Plg5'; Azm86'; N: 3.222, Plg85'; Azm261'; P: 7.855, Plg0'; Azm355'

PDG 12 13:04:07.0, 0.4, 46.32N; 13.67E, h11km, 1km

LDG 12 13:04:07.0, 0.1, 46.34N; 13.78E, h10km, MD5.0/3, Ms5.6/22, ms4.4, Error ellipse: s-maj=2.8km s-min=2.2km az=42.0

NEIC 12 13:04:07.2, 0.3, 46.30N; 13.64E, h8km, 2km, mb5.0/82, MS4.9/36, ML5.7(STR), ML5.6(LDG), ML5.6(BRG), ML5.5(LEDWB), ML5.5(FUR), ML5.4(VIE), ML5.4(PDG), ML4.9(LJU), Error ellipse: s-maj=1.5km s-min=1.3km az=204.0

NEIC One person killed and 5 injured by a rockslide in the Bovec area. Some houses destroyed and others damaged at Kobard. Felt in Ljubljana. Felt in northeastern Italy as far south as Venice and southern Austria as far northeast as Vienna. Also felt at Zagreb, Croatia; Munich, Germany; Prague, Czech Republic.

BGR 12 13:04:09.7, 0.3, 46.37N; 13.69E, h10km, ML5.5/6, Error ellipse: s-maj=3.3km s-min=2.2km az=6.0

STR 12 13:04:11.4, 0.5, 46.31N; 13.44E, h10km, 1km, ML5.7, Error ellipse: s-maj=0.6km s-min=0.6km az=0.0

LEDBW 12 13:04:12.0, 1.2, 46.33N; 13.50E, h10km, ML5.5, Error ellipse: s-maj=64.0km s-min=28.0km az=39.0

ISC 12 13:04:05.0, 0.1, 46.322N; 0.007-13.04E; 0.008, h4km, 1km, h17km, 1.5km; P-P, n87.5, -1827/1116, mb4.9/108, MS4.8/79, 150C-44D, Austria

Main station list table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h m s ISC. Includes stations like CADS Cadrg, CADS Cads, CADS Cads, CADS Cads, etc.

Main station list table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h m s ISC. Includes stations like CAGR Bojanci, BGLD Berchtesgaden, GOLS Solise, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other details. Includes stations like RHKI Bakonya, BDI Bagini Di Lucca, MURB Monte Urbino, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other details. Includes stations like INTR Introdacqua, PKN Nyarolorinc, MORC Moravsky Berou, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other details. Includes stations like DIVS Belgrade, BEO Belgrade, COLM Colim, etc.

Main data table with columns for station name, coordinates, frequency, and various parameters. Includes stations like MGR Morigerati, BOLS Boljevac, BERF Bertagne, etc.



Table with columns for airline codes (SSA, INK, ALLY, etc.), flight numbers, times, and status indicators (LR, P, M, etc.).

Table with columns for airline codes (KLR, MCP, SWET, etc.), flight numbers, times, and status indicators (MLR, M, P, etc.).

Table with columns for airline codes (SSE, SSS, SSS, etc.), flight numbers, times, and status indicators (AMB, LR, P, etc.).



Table with 5 columns: Station Name, Frequency, Power, Modulation, and other parameters. Includes stations like Canberra Magne, Vanda, VNSA, VNSA, VNSA, VNSA, VNSA, VNSA.

LJU 12 13:11:05.5, 46.30N, 13.63E, h8km, ML2.4
NEIC 12 13:11:05.5, 0.9, 46.24N, 13.66E, h5km, ML2.5(LJU), Error ellipse: s-maj=13.2km s-min=7.5km az=186.0

Table with 5 columns: Code, Station Name, Frequency, Power, Modulation, and other parameters. Includes stations like Robic, Cadrj, Drenchia, Lussari, Colorado, Bernadia, Vojsko, Buia, Bordano, Paularo, Monte Prat, Zoufplan, Ljubljana, Cerknica, Visnje, Podkum, Pernice, Legarje, Cresnjevec ost, Bojanci, Golise, Gornji Cirkic.

IDC 12 13:11:29.6, 10.0, 6.74S, 129.61E, h4km, 105km, mb3.6/2, mb1.3/6.4, mb1mx3.4/11, ML3.2/2, Error ellipse: s-maj=140.0km s-min=41.2km az=61.0

Table with 5 columns: Code, Station Name, Frequency, Power, Modulation, and other parameters. Includes stations like KAKA, FITZ, WRA, WRA, WRA, AS12, AS12, ASAR, ASAR, STKA, MKAR.

LJU 12 13:13:57.2, 46.30N, 13.62E, h10km, ML2.1
ISC 12 13:13:57.0, 7.46, 30N, 13.61E, h14km, 6km, n19, c0549/26, 6C-4D, Austria

Table with 5 columns: Code, Station Name, Frequency, Power, Modulation, and other parameters. Includes stations like Robic, Cadrj, Drenchia, Lussari, Colorado, Bernadia, Buia, Bordano, Paularo, Monte Prat, Zoufplan, Ljubljana, Cerknica, Visnje, Podkum, Pernice, Legarje, Cresnjevec ost, Bojanci, Golise, Gornji Cirkic.

LJU 12 13:22:36.1, 46.32N, 13.59E, h8km, ML2.5
PRU 12 13:22:36.7, 46.26N, 13.58E
NEIC 12 13:22:36.6, 0.4, 46.30N, 13.60E, h5km, ML2.8(VIE), ML2.5(LJU), Error ellipse: s-maj=5.3km s-min=3.3km az=193.0

Table with 5 columns: Code, Station Name, Frequency, Power, Modulation, and other parameters. Includes stations like Robic, Cadrj, Drenchia, Lussari, Patocco-Chiusa, Colorado, Bernadia, Buia, Bordano, Paularo, Monte Prat, Zoufplan, Ljubljana, Cerknica, Visnje, Podkum, Pernice, Legarje, Cresnjevec ost, Bojanci, Golise, Gornji Cirkic.

Table with 5 columns: Station Name, Frequency, Power, Modulation, and other parameters. Includes stations like BOO, BOO, BUA, BUA, BUA, PLRO, PLRO, MPRI, ZOU, ZOU, OBKA, OBKA.

LJU 12 13:31:15.1, 46.31N, 13.64E, h10km, ML2.8
NEIC 12 13:31:15.4, 0.3, 46.32N, 13.65E, h5km, MD2.8(RMO), ML3.0(VIE), ML2.9(LJU), Error ellipse: s-maj=4.0km s-min=2.4km az=194.0

Table with 5 columns: Code, Station Name, Frequency, Power, Modulation, and other parameters. Includes stations like Ljubljana, Malnisio, Koelnbreinsper, Cerknica, Podkum, Drenchia, Lussari, Legarje, Cresnjevec ost, Bojanci, Golise, Gornji Cirkic, Molln, Wattenberg, Novolja, Santa Sofia, Kasperske Hory.

ROM 12 13:31:16.7, 0.8, 46.32N, 13.55E, h5km, MD2.8/3, ML2.8/1, Error ellipse: s-maj=4.2km s-min=3.8km az=90.0

Table with 5 columns: Code, Station Name, Frequency, Power, Modulation, and other parameters. Includes stations like Cadrj, Robic, Drenchia, Lussari, Patocco-Chiusa, Patocco-Chiusa, Colorado, Gemona, Gemona, Bernadia, Bordano, Buia, Paularo, Monte Prat, Zoufplan, Talmassons, Obir, Ljubljana, Malnisio, Koelnbreinsper, Cerknica, Casso, Kneszi Dol, Podkum, Visnje, Pernice, Bistriski jare, Forcella Aurin, Legarje, Dobrina, Grobnik, Cesta pri Krsk, Cresnjevec ost, Bojanci, Golise, Castel Tesino, Castel Tesino, Gornji Cirkic, Molln, Arzberg, Wattenberg, Teolo, Walderalm.

Table with 5 columns: Code, Station Name, Frequency, Power, Modulation, and other parameters. Includes stations like Ljubljana, Malnisio, Koelnbreinsper, Cerknica, Casso, Kneszi Dol, Podkum, Visnje, Pernice, Bistriski jare, Forcella Aurin, Legarje, Dobrina, Grobnik, Cesta pri Krsk, Cresnjevec ost, Bojanci, Golise, Castel Tesino, Castel Tesino, Gornji Cirkic, Molln, Arzberg, Wattenberg, Teolo, Walderalm.

Table with 5 columns: Station Name, Frequency, Power, Modulation, and other parameters. Includes stations like SQA, SQA, Novolja, Moosalm, Santa Sofia, Kasperske Hory, Pruhonic, Novy Kostel, Pankra Ves, Dobruska-Polom, Moxa, Colim.

NEIC 12 14:07:59.4, 26.43S, 69.77W, h145km, After GUC.
GUC 12 14:07:59.4, 1, 26.43S, 69.77W, h145km, 26km, ML4.1, 1C-2D, Northern Chile

Table with 5 columns: Code, Station Name, Frequency, Power, Modulation, and other parameters. Includes stations like Copiapo, Cerro Paranal, Vallenar, Tololo Astrono, Limon Verde.

IDC 12 14:28:45.9, 5.1, 17.94S, 168.62E, mb3.8/6, mb1.4/0.6, mb1mx3.9/15, Error ellipse: s-maj=131.0km s-min=39.3km az=123.0

Table with 5 columns: Code, Station Name, Frequency, Power, Modulation, and other parameters. Includes stations like Butte a Klehm, Mont Dzum, Port Laguerre, Stephens Creek, WRA, ASAR, Fitzroy Crossi, QSPA, Chiang Mai Arr, Ulanbaatar, Songino Arr, Sanae, Neumayer-Watz, Neumayer-Watz.

DMN 12 14:38:13.0, 0.9, 3.12N, 83.63E, h10km, M4.9/4, Error ellipse: s-maj=28.8km s-min=15.8km az=52.0

Table with 5 columns: Code, Station Name, Frequency, Power, Modulation, and other parameters. Includes stations like Danning, Gorkha, Koldanda, Kakani, Pithoragarh, Daman, LGTI, Valmikinagar, Pulchoki, Joshimath, Aurasora, New Delhi, Kurukskheta, AGRA, Aya Nagar, Bahadurgarh, Sohna, Sohna, Lhasa, Rhtak.

Table with 5 columns: Code, Station Name, Frequency, Power, Modulation, and other parameters. Includes stations like Danning, Gorkha, Koldanda, Kakani, Pithoragarh, Daman, LGTI, Valmikinagar, Pulchoki, Joshimath, Aurasora, New Delhi, Kurukskheta, AGRA, Aya Nagar, Bahadurgarh, Sohna, Sohna, Lhasa, Rhtak.

Table with columns for station names (e.g., KUDL, JHNI, KHET), frequencies (e.g., 6.83 250), and various numerical data points.

Table with columns for station names (e.g., GYA, XAN, ENSHI), frequencies (e.g., 22.16), and various numerical data points.

Table with columns for station names (e.g., SOC, MALT, ANN, ANAP), frequencies (e.g., 36.99 303), and various numerical data points.



Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MALTA, COLLM, BRG, KHC, GERES, etc.

NEIC 12 16:02:33.8:3.4, 7.50S, 128.67E, h121km, 38km, mb4.2/2, Error ellipse: s-maj=35.9km s-min=30.2km az=90.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KAKA, FITZ, WRA, WB2, AS12, AS12, ASAR, ASAR, MKAR, etc.

IDC 12 16:07:24.3:54.0, 18.99S, 178.23W, mb4.1/3, mb1 4.3/3, s-min=148.3km az=81.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like STKA, WRA, WB2, AS12, ASAR, FITZ, etc.

LJU 12 16:26:58.9, 46.33N, 13.63E, h11km, ML2.8, LDG 12 16:27:00.2:0.3, 46.31N, 13.84E, h10km, M13.3/18, Error ellipse: s-maj=7.3km s-min=6.6km az=31.0

NEIC 12 16:27:00.6, 46.37N, 13.53E, h5km, MD3.1(ROM), ML3.3(VIE), ML3.3(LDG), ML3.3(CI), ML3.1(FUP), ML3.1(SZGRF), ML3.0(LJU), After ROM

ROM 12 16:27:00.6:0.6, 46.37N, 13.53E, h5km, MD3.1, 6L2, 9L5, Error ellipse: s-maj=4.6km s-min=3.7km az=01.0

ISC 12 16:26:58.6:0.2, 46.36N, 13.63E, 0.01, h11km, 1km, n93, c18/166, 13C-12Z, Austria

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ROBS, LSR, CADS, PTCC, COLI, GMNA, GMINA, BAD, BOO, BUA, PLRO, MPRI, ZOU, TLI, OBKA, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CSM, MLNI, KBA, CEY, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CAE, CSO, KND, PDKS, VISS, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PERS, BISS, LEGS, DOBS, GROS, CESS, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BGLD, CRES, CRES, CTI, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CTI, BOJS, GOLS, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like GCIS, MOA, ARSA, WRTA, WTTA, WATA, SOTA, NVLI, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NVLI, MOTA, GEC2, FSSB, SFI, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SFI, KHC, VMG, VMG, PGD, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PGD, WET, ARV, ARV, RHKI, BDI, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BDI, PII, PRU, PRU, PRU, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NKC, NKC, NKC, BFO, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PVCC, MORC, DPC, DPC, MOX, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MOX, MOX, MOX, MOX, OKC, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like OKC, CDF, CDF, CDF, HINF, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HINF, LPGA, LPL, LPL, etc.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

BUI 12 16:44:59.3, 43.41N, 125.15W, h42km, mb5.0, mb5.0, Ms4.2, Ms4.4

MOS 12 16:44:59.0:0.8, 44.41N, 124.38W, h10km, mb5.1/19, Error ellipse: s-maj=17.8km s-min=7.5km az=90.6

HRVD 12 16:45:00.7:0.4, 44.30N, 124.71W, h20km, 1km, MW4.9/50, Centroid moment Tensor Solution. LP body waves: s18, c20, Mantle waves: s50, c80; Half duration: 0 Moment tensor: Scale 10^16Nm; Mr1.96; Mr; Ms0.05; L0; Mw=2.0; t1; Mw=0.25; t2; Mw=0.40; t3; Mw=1.65; t4; Best double couple: M2.62x10^16 NP1.23, 227, 1.12; NP2.0; t1; Mw=0.78; t2; Mw=0.78; t3; Mw=0.78; t4; Azm67; N, N3, P10; Azm163; F-2.64, P19; Azm277; nsta1 refers to body waves; cutoff=60s. nsta2 refers to surface waves; cutoff=50s.

NEIC 12 16:45:00.7, 44.33N, 124.49W, h29km, mb4.9/60, MS4.1/5, MD4.9(SEA), MW4.8(BRK), After SEA

NEIC FELT [IV] at Newport, Seal Rock, South Beach, Toledo and Waldport; [III] at Albany, Corvallis, Depoe Bay, Florence, Lincoln City, Philomath and Yachats; [II] at Portland and Salem.

IDC 12 16:45:01.8:0.6, 44.36N, 124.20W, h14km, 3km, mb4.3/17, mb1 4.5/24, mb1 mx4.4/30, ML3.3/97, MS4.1/20, M1 4.1/20, ms1 mx3.9/32, Error ellipse: s-maj=11.8km s-min=6.5km az=72.0

ISC 12 16:45:01.5:0.7, 44.36N, 124.43W, 0.02, h23km, 4km, h22km, 2.8km, pp-P, n344, c1802/333, mb4.8/85, MS4.2/29, 55C-14D, Near coast of Oregon

Table with columns for location, elevation, and other details. Includes entries like SSOR Sweet Springs, KEBM Edson Butte, DBO Dodson Butte, etc.

Table with columns for location, elevation, and other details. Includes entries like PDAR comp=Z,685nm,21.5s, etc., MWC Mount Wilson, NEN Nelson, etc.

Table with columns for location, elevation, and other details. Includes entries like PET comp=E,630nm,25.0s, etc., MWC Mount Wilson, NEN Nelson, etc.

12d 17h

Table containing station data for 12d 17h. Columns include station code (e.g., AVF, HAU), name, coordinates, frequency, and status.

Table containing station data for 2004 JUL, starting with MKAR. Includes station name, coordinates, and frequency.

IDC 12 16:45:25.51, 8,0.88N,124.50E,mb3.5/3,mb1 3.8/3, mb1mx3.5/4, Error ellipse: s-maj=187.0km s-min=24.1km az=63.0, Minahasa Peninsula, Sulawesi

Table containing station data for IDC 12 16:46:45.8, 50.45N,18.88E, including stations like WRA and ASAR.

IDC 12 16:46:46.3, 50.36N,18.93E, h1km, Location given by Central Institute of Mining, origin time based upon QJ3

Table containing station data for IDC 12 16:50:10.0, 50.50N,18.93E, including stations like WRA, ASAR, and BJI.

LJU 12 17:00:20.3, 46.32N,13.62E, h12km, ML2.1

Table containing station data for LJU 12 17:00:20.3, 46.32N,13.62E. Includes station names like ROBS, COLI, and others.

IDC 12 17:04:32.1, 1, 3.24, 0.03N, 141.46E, h171km, 12km, mb3.6/12, mb1 3.7/14, mb1mx3.6/24, Error ellipse: s-maj=19.0km s-min=11.4km az=98.0

JMA 12 17:04:34.0, 2, 24, 35N, 140.92E, h174km, M4.6, NEIC 12 17:04:35.0, 2, 23, 39S, 141.42E, h210km, 27km, mb3.8/1, Error ellipse: s-maj=18.9km s-min=8.7km az=79.0

Table containing station data for IDC 12 17:04:31.8, 0.9, 24, 13N, 0.06E, 141.5E, 0.1, h190km, 8km, including stations like JHHJ, CBUJ, and others.

HEL 12 17:05:48.3, 0.1, 67.01N, 20.89E, ML1.9, ML2.1 (UPP), Explosion

IDC 12 17:05:49.0, 1.0, 67.08N, 21.04E, mb1 3.1/4, mb1mx3.0/20, ML2.4/4, Error ellipse: s-maj=16.6km s-min=8.3km az=112.0

Table containing station data for IDC 12 17:05:46.1, 0.5, 67.00N, 20.03E, 20.81E, 0.08, n18, s19N/25, including stations like DUNU, MASU, and others.

Table with 4 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Includes stations like NOARSAR Array B, HFS Hagfors, etc.

NEIC 12 17:09:10.0, 3.1, 6.23S, 152.80E, h49km, 26km, mb4.3/2, Error ellipse: s-maj=28.9km s-min=16.6km az=113.0, IDC 12 17:09:09.7, 5.3, 6.27S, 152.87E, h49km, 47km, mb3.6/9, mb1.3/9/10, mb1mx3.7/16, ML3.1/1, MS3.5/1, Ms1.3/5/1, ms1mx3.0/21, Error ellipse: s-maj=40.4km s-min=25.7km az=109.0

ISC 12 17:09:07.8-4.4, 6.25-0.2, 152.8E-0.2, h45km, 37km, n16, e093/15, mb3.9/10, 1D, New Britain region

Table with 4 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Includes stations like PMG Port Moresby, CTA Charters Tower, KAKA Kaka, WRA Warramunga Arr, etc.

KRSC 12 17:09:37.0, 56.26N, 161.76E, h77km, ML3.8, Near east coast of Kamchatka Peninsula

Table with 4 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Includes stations like SVLR Shiveluch, KBLG Krutoberegovo, etc.

Table with 4 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Includes stations like CIRR Tsirk, ZLN Zelenaya, KBTB Krutoberegovo, etc.

Table with 4 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Includes stations like BKO Bering, SPN Mys Shipunski, Ganaly Nalytchevo, etc.

LJU 12 17:20:10.5, 46.30N, 13.63E, h7km, ML1.8, ROM 12 17:20:10.0, 0.3, 46.32N, 13.61E, h10km, MD1.9/2, Error ellipse: s-maj=1.8km s-min=1.4km az=90.0

ISC 12 17:20:10.6, 0.8, 46.31N, 0.04, 13.64E, 0.03, h8km, 10km, n17, e067/27, 4C-3D, Austria

Table with 4 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Includes stations like CADS Cadr, ROBS Robic, LSR Lussari, etc.

ISC 12 17:25:11.8-0.9, 13.21S, 166.52E, mb3.9/9, mb1.4/2/10, mb1mx4.1/15, ML3.2/1, MS3.7/10, Ms1.7/10, ms1mx3.6/21, Error ellipse: s-maj=33.3km s-min=22.5km az=130.0

BUI 12 17:25:24.3, 13.30S, 166.40E, h107km, mb4.9, mb4.6

NEIC 12 17:25:25.3, 8.5, 13.27S, 166.38E, h107km, 74km, mb4.4/5, Error ellipse: s-maj=30.0km s-min=15.8km az=77.0, ISC 12 17:25:18.7-2.4, 13.3S, 0.1, 166.4E, 0.1, h63km, 22km, n28, e095/23, mb4.2/16, Vanuatu Islands

Table with 4 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Includes stations like BKM Butte a Klehm, DZM Mont Dzumac, PMG Port Moresby, etc.

ISC 12 17:34:25.1, 11.0, 3.94N, 125.97E, h204km, 109km, mb3.0/4, mb1.3/2.4, mb1mx3.0/16, Error ellipse: s-maj=172.0km s-min=22.5km az=63.0, Talaud Islands

Table with 4 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Includes stations like WRA Warramunga Arr, WB2 Warramunga Arr, ASAR Alice Springs, etc.

IDC 12 17:46:05.9, 9.7, 5.30S, 128.92E, h251km, 107km, mb3.0/1, mb1.3/5.4, mb1mx3.1/14, Error ellipse: s-maj=73.3km s-min=36.5km az=60.0

NEIC 12 17:46:08.4, 2.5, 5.40S, 128.92E, h278km, 27km, mb3.8/2, Error ellipse: s-maj=37.2km s-min=20.5km az=63.0

ISC 12 17:46:03.5, 1.3, 5.10S, 0.10, 129.1E, 0.2, h251km, n8, e120/13, mb3.1/1, 1C-1D, Banda Sea

Table with 4 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Includes stations like KAKA Kakadu, FITZ Fitzroy Crossi, WB2 Warramunga Arr, etc.

IDC 12 17:58:51.6, 1.3, 30.56N, 83.57E, h10km, mb4.0/2, Error ellipse: s-maj=31.1km s-min=14.1km az=55.0

NDI 12 17:58:54.1, 0.7, 32.10N, 83.46E, h15km, 6km, MD3.2, ISC 12 17:58:57.9, 7.8, 30.51N, 83.66E, h58km, 69km, mb3.4/5, mb1.3/7.7, mb1mx3.4/21, ML3.6/2, MS3.1/1, Ms1.3/3.1, ms1mx2.5/18, Error ellipse: s-maj=62.8km s-min=23.0km az=67.0

ISC 12 17:58:54.9, 2.1, 30.68N, 0.09, 84.24E, 0.08, h24km, 17km, n14, e170/18, mb3.6/6, Xizang

Table with 4 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Includes stations like PTH Pithoragarh, LPTH Lohaghat, LSA Lhasa, etc.

Table with 4 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Includes stations like CMAR, KURK Kurchatov, SONM Songino Array, etc.

TIF 12 18:06:4.4, 41.96N, 43.15E, h2km, MOS 12 18:07:7.0, 4.3, 0.6N, 45.09E, h26km, mb3.9/1, Error ellipse: s-maj=25.0km s-min=12.3km az=33.5

ISC 12 18:08:2.0, 5.43, 13N, 0.04, 45.15E, 0.04, h26km, n13, e091/22, 1C-1D, Eastern Caucasus

Table with 4 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Includes stations like ZEI Tsey, DUIS Dusheti, DBC Dushki, etc.

NAO 12 18:22:47.5, 2.7, 61.42N, 11.66E, ML1.8, BER 12 18:22:49.7, 2.9, 61.33N, 11.60E, MD2.2, ML1.4, ML1.8(NAO), Suspected explosion

ISC 12 18:22:49.1, 2.1, 61.35N, 0.07, 11.5E, 0.2, n10, e088/13, Southern Norway

Table with 4 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Includes stations like NC3 NORARS Subarra, NC4 NORARS Subarra, etc.

LJU 12 18:50:38.7, 46.30N, 13.61E, h7km, ML1.8, ROM 12 18:50:38.3, 0.1, 46.32N, 13.59E, h10km, MD2.1/1, Error ellipse: s-maj=0.8km s-min=0.6km az=90.0

ISC 12 18:50:38.3, 0.1, 46.30N, 0.04, 13.61E, 0.07, h11km, 11km, n11, e027/19, 4C-1D, Austria

Table with 4 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Includes stations like ROBS Robic, CADS Cadr, LSR Lussari, etc.

LJU 12 18:53:59.5, 46.32N, 13.56E, h6km, ML2.1, ROM 12 18:53:59.1, 0.1, 46.33N, 13.55E, h10km, MD2.3/2, ML1.6/2, Error ellipse: s-maj=1.1km s-min=0.7km az=90.0

ISC 12 18:53:59.3, 0.7, 46.32N, 0.03, 13.57E, 0.03, h11km, 7km, n20, e071/23, 5C-4D, Austria

Table with 4 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Includes stations like ROBS Robic, CADS Cadr, LSR Lussari, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include CEY, PDKS, VISS, CRES, VBY, etc.

LJU 12 19:03:37.9, 46.32N, 13.63E, h8km, ML2.1
ROM 12 19:03:37.6, 0.5, 46.33N, 13.60E, h10km, MD2.3/2.
ML 1.8/2, Error ellipse: s-maj=3.2km s-min=1.6km az=90.0

NEIC 12 19:03:38.3, 0.7, 46.31N, 13.64E, h5km, ML2.6(VIE),
ML 1.8(LJU), Error ellipse: s-maj=7.3km s-min=6.2km
az=218.0

ISC 12 19:03:37.9, 0.3, 46.34N, 0.02, 13.65E, 0.02, h0km, 6km,
n32, c0993/55, 7C-6D, Austria

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

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include PDKS, VISS, PERS, etc.

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

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

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NEIC 12 19:26:51.4, 0.3, 89.8S, etc.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include NEIC 12 19:38:44.7, 5.2, 2.84N, etc.

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include WB2, WB2, WB2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include AS12, AS12, AS12, etc.

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

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ISK 12 19:48:55.0, 3.7, 06.1N, etc.

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

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

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

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

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

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

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

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

NEIC 12 19:37:11.7, 1.2, 20.24S, 68.44W, h139km, 21km, mb4.0/1,
Error ellipse: s-maj=34.5km s-min=14.6km az=86.0

IDC 12 19:37:11.2, 1.4, 20.25S, 68.51W, h140km, 22km, mb3.9/2,
mb1.3, 6/5, mb1mx3.4/16, Error ellipse: s-maj=51.6km
s-min=10.0km az=94.0

ISC 12 19:37:10.1, 0.8, 20.24S, 0.05, 68.6W, 0.1, h150km, n11,
c099/14, mb4.1/1, Chile-Bolivia border region

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

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

IDC 12 19:58:34.0, 2.1, 7.02S, 129.69E, mb3.6/1, mb1.4/0.4,
mb1mx3.7/12, ML3.8/3, Error ellipse: s-maj=77.3km
s-min=28.5km az=77.0

ISC 12 19:58:49.2, 2.7, 7.5S, 0.1, 129.6E, 0.1, h173km, 25km, n8,
c099/15, mb3.3/1, Banda Sea

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

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include WB2, WB2, WB2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include AS12, AS12, AS12, etc.

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

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

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

IDC 12 19:38:37.7, 18.0, 2.99N, 128.57E, h219km, 188km,
mb3.1/6, mb1.3, 3/6, mb1mx3.2/17, Error ellipse:
s-maj=113.0km s-min=21.3km az=60.0



Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Podkum, Visnje, Bistriski jare, Dobrna, Cesta pri Krask, Castel Tesino, Bojanci, Gornji Cirknik, Molin, Arzberg, Wattenberg, Walderalim, Sankt Quirin, Novalja, Moosalm, Malga Bissina, GERESS Array S, Fossobrone, Santa Sofia, Kasperske Hory, Arcevia, Bratslava, Pruhonice, Novy Kostel, Vyhne, Panska Ves, Dobruska-Polom, Moxa, Champ du Feu, Hinteralfeld, Colim, Sospel, Pioggiola, Montbardon, La Chapelle, Hautdrompre, Oris-en-Rattie, Signal de Mont, Lormes, Saint Sauge, Ste Jean, Les Forges d'A, Viey.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Esparros, Alkuruntz, Salau, La Frestale, Carcanieres, Lanestos, Valcebollere, Miracle, Les Rejaudoux, Calviac, Calviac, La Jonquera, Ebro Roquetas, Torete, Saint Martin, Ste Croix, Toulx Ste Croi, Toulx Ste Croi, Bois d'Agland, Ste Jean, Toulx Ste Croi, Toulx Ste Croi, Bois d'Agland, Ste Jean, Les Forges d'A, Viey.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like Avrill sur Loir, Signal de Mont, Saint Sauge, Quistinic, Gorrion, Saint Gilles, La Fruitiere, La Fruitiere, Rosstreten, La Fruitiere, Patocco-Chiusa, Patocco-Chiusa, Gernone, Bernadia, Bernadia, Buia, Bordanò, Paularo, Obkir, Ljubljana, Cerknica, Podkum, Visnje, Pernice, Legarie, Dobrna, Cresnjevec ost, Bojanci, Vinica-Bojanci, Golise, Jujurieux, Grenoble, Roseland, La Plagne, La Plagne, La Plagne, Oris-en-Rattie, La Chapelle, Montbardon, Saint-Julien, Saint-Julien, Collangettes, La Plantade, Signal de Mont, Signal de Mont.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Includes stations like Simiane la Rot, Lubilhac, Saint Agoulin, etc.

ROM 12 21:48:25.0.2.1.46.33N.13.55E, h10km, MD2.3/2, ML1.5/2, Error ellipse: s-maj=0.9km s-min=0.6km az=90.0

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

IDC 12 20:53:58.9.2.1.6.52S.129.12E, mb3.8/1, mb1 4.2/3, mb1mx3.7/12, ML3.6/2, Error ellipse: s-maj=151.0km

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s, ISC. Includes stations like WRA, WB2, AS12, etc.

ROM 12 21:20:04.3.0.3.46.30N.13.67E, h10km, MD2.1/1, Error ellipse: s-maj=2.1km s-min=1.3km az=90.0

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

FUNV 12 21:32:25.2.6.63N.73.23W, h162km, MD3.9, Northern

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

IDC 12 21:48:25.0.2.7.27.81N.139.96E, h477km, mb2.7/6, mb1 2.8/7, mb1mx2.7/21, Error ellipse: s-maj=66.8km

ISC 12 21:48:24.6.0.9.27.81N.0.2.139.9E.0.7, h487km, 30km, n7, c0778/m, mb3.0/6, Bonin Islands region

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

IDC 12 21:54:09.9.2.2.2.59N.128.56E, mb3.5/3, mb1 3.7/3, mb1mx3.4/16, Error ellipse: s-maj=147.0km

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

IDC 12 22:01:22.7.1.7.3.0.02S.177.58W, mb4.2/4, mb1 4.3/5, mb1mx4.1/16, Error ellipse: s-maj=48.3km s-min=28.6km

NEIC 12 22:01:24.1.0.8.29.54S.177.60W, h10km, mb4.7/2, Error ellipse: s-maj=25.0km s-min=19.1km az=203.0

ISC 12 22:01:29.2.1.5.30.06S.0.09.178.1W.0.2, h33km, n16, c1505/11, mb3.4/3, Kermadec Islands

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

NEIC 12 22:02:27.1.36.58N-26.02E, h138km, mb3.9/25, After ATH, IDC 12 22:02:27.5.0.6.36.46N-26.06E, h147km, 12km, mb3.5/6, mb1 3.5/12, mb1mx3.4/25, Error ellipse: s-maj=19.4km

ATH 12 22:02:27.1.36.58N-26.02E, h138km, 4km NIC 12 22:02:29.4.0.2.36.38N-26.39E, h61km, mb4.1, ML3.5, MW3.3

THE 12 22:02:30.7.36.67N-26.27E, h120km ISK 12 22:02:34.2.36.61N-26.28E, h260m, MD3.4

ISC 12 22:02:36.0.2.36.46N.0.03.26.01E.0.02, h149km, 2km, n147, c1806/182, mb4.0/15, 7C-4D, Dodecanese Islands

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

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

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

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

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

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

IDC 12 22:19:31.0 ± 1.6, 50.88N, 178.99E, mb4.0/1.0, mb1 4.1/1.1, mb1mx3.9/26, ML4-4/1, Error ellipse: s-maj=38.4km

NEIC 12 22:19:39.5 ± 1.2, 51.14N, 178.53E, h52km, 7km, ML3.9(AE/C), Error ellipse: s-maj=31.6km s-min=6.6km az=183.0

ISC 12 22:19:37.6 ± 1.2, 51.0N, 178.52E, 0.05, h54km, 8km, n34, ±c121/39, mb4.2/1.3, Rat Islands

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

NIED 12 22:23:02.23, 20N, 123.40E, h5km, Mw3.6 Best double couple: M3.01x1014 N1P1, 272, 855°, A33°. NP2: 2x264°, 835°, 1, 100°.

IDC 12 22:23:51.1 ± 4.7, 23.40N, 123.56E, mb3.8/5, mb1 3.8/6, mb1mx3.6/21, ML2.9/1, MS3.8/1, Ms1 3.8/1, ms1mx2.6/30, Error ellipse: s-maj=100.0km s-min=33.4km az=164.0

JMA 12 22:23:53.0 ± 1.7, 23.17N, 123.40E, h59km, 3km, M3.5, ISC 12 22:23:56.2 ± 1.0, 23.31N, 123.07E, h59km, n17, ±c112/26, mb3.8/5, MS3.8/1, Southwestern Ryukyu Islands

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

IDC 12 22:25:08.4 ± 3.6, 13.17N, 144.82E, h72km, 31km, mb3.9/18, mb1 4.1/18, mb1mx4.0/25, MS3.3/4, Ms1 3.3/4, ms1mx2.9/32, Error ellipse: s-maj=19.4km s-min=16.0km az=80.0

NEIC 12 22:25:09.0 ± 0.9, 13.10N, 144.80E, h90km, 7km, mb4.4/5, Error ellipse: s-maj=12.0km s-min=8.0km az=109.0

NEIC Fell on Guam, ISC 12 22:25:08.5 ± 0.8, 13.09N, 144.78E, 0.10, h90km, 5km, n45, ±c83/38, mb4.1/2.1, Mariana Islands

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

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

IDC 12 22:49.0 ± 1.0, 39.70S, 174.15E, h201km, 12km, mb3.4/6, mb1 3.6/8, mb1mx3.5/15, Error ellipse: s-maj=17.7km s-min=14.6km az=126.0

NEIC 12 22:27:50.2, 39.79S, 174.01E, h213km, mb4.0/2, After WEL

WEL 12 22:27:51.7 ± 0.2, 39.81S, 174.03E, h198km, 2km, ML4.8/10, Error ellipse: s-maj=1.7km s-min=0.9km az=90.0

ISC 12 22:27:49.0 ± 0.3, 39.84S, 173.98E, 0.05, h207km, 3km, n115, ±c102/149, mb3.6/7, 17C-15N, Off west coast of North Island

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Wellington, Kakarama, Rihia Road, etc.

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Birch Farm, Mangatainoka R, etc.

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

HEL 12 23:27:09.1±0.1, 67.84N±20.25E, ML1.8, ML2.0(UPP), ML1.6(BER), Explosion

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

NEIC 12 23:49:43.2, 37.91N±20.71E, h2km, MD3.1(ATH), After ATH

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

ATH 12 23:49:43.2, 37.91N±20.71E, h2km, MD3.1/3 THE 12 23:49:45.3, 38.04N±20.58E, h10km

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

ISC 12 23:49:42.3±1.7, 37.90N±0.07±20.6E±0.1, h3km±9km, n8, ±f101/12, I, Ionian Sea

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

NNC 12 23:54:35.9±1.9, 43.01N±78.81E, h23km±11km, mpv3.5, Error ellipse: s-maj=13.6km s-min=10.8km az=174.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ULHL, TKM2, etc.

ISC 12 23:54:36.2±1.1, 43.16N±0.08±78.5E±0.1, h10km, n16, ±f105/19, 7C-2D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ULHL, TKM2, etc.

ISC 12 22:44:30.2±23.0, 23.05S±178.92E, h691km±238km, mb2.9/4, mb1 3.1/4, mb1mx2.9/14, Error ellipse: s-maj=200.0km s-min=99.6km az=87.0, South of Fiji Islands

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

ISC 12 23:54:36.2±1.1, 43.16N±0.08±78.5E±0.1, h10km, n16, ±f105/19, 7C-2D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ULHL, TKM2, etc.

ISC 12 23:54:36.2±1.1, 43.16N±0.08±78.5E±0.1, h10km, n16, ±f105/19, 7C-2D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ULHL, TKM2, etc.

ellipse: s-maj=0.6km s-min=0.4km az=90.0 LJJ 13 00:03:02.3, 46.32N±13.58E, h7km, ML1.8

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

ISC 13 00:03:01.7±1.1, 46.32N±0.04±13.61E±0.05, h13km±8km, n14, ±f057/24, 1C-7D, Austria

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

TAP 13 01:02:25.0, 24.49N±121.84E, h16km±1km, ML3.1 ISC 13 01:02:24.9±0.3, 24.83N±121.93E, h34km±2.3, Taiwan

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

ISC 13 01:09:54.2, 36.73N±26.86E, h125km, MD3.3 NEIC 13 01:09:57.0, 36.62N±26.77E, h39km, MD3.4(ATH), After ATH

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

ISC 13 01:09:53.1±0.5, 36.65N±0.05±26.9E±0.05, h140km±8km, n33, ±f077/36, 1D, Decadecane Islands

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

ISC 13 01:09:53.1±0.5, 36.65N±0.05±26.9E±0.05, h140km±8km, n33, ±f077/36, 1D, Decadecane Islands

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

ISC 13 01:18:10.4±1.3, 45.47N±0.05±26.45E±0.08, h143km±9km, n18, ±f093/32, 1C±5D, Romania

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

BUC 13 01:18:10.2±0.8, 45.47N±26.37E, h147km±7km, MD3.9/5, s-maj=24.0km s-min=20.2km az=181.0

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

ISC 13 01:50:55.2±2.6, 30.67N±83.58E, mb3.5/4, mb1 3.7/6, mb1mx3.4/21, ML3.6/2, Error ellipse: s-maj=63.5km s-min=31.6km az=45.0

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

NEIC 13 01:50:56.8±1.5, 30.69N±83.45E, h10km, Error ellipse: s-maj=34.6km s-min=12.6km az=46.0

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

ISC 13 01:50:55.2±2.6, 30.70N±1.83±5E±0.1, h8km±26km, n9, ±f107/10, mb3.4/4, Xizang

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

ISC 13 01:50:55.2±2.6, 30.70N±1.83±5E±0.1, h8km±26km, n9, ±f107/10, mb3.4/4, Xizang

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KURK Kurchatov, BVAR Borovoye Array, etc.

MEX 13 02:22:50.4, 1.1, 17.29N, 94.43W, h164km, 12km, MD3.9
NEIC 13 02:22:52.1, 17.65N, 94.28W, h135km, MD4.1 (MEX), After MEX.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CMIG Matias Romero, EVV El Vigia, etc.

NAO 13 02:40:16.9, 4.1, 78.51N, 8.15E, ML2.5
BER 13 02:40:17.2, 2.5, 78.40N, 7.72E, MD2.6, ML3.7, ML2.5 (NAO)

IDC 13 02:40:20.3, 1.0, 78.32N, 9.06E, mb3.8/6, mb1 3/9.9,
mb1mx3.7/22, ML3.2/3, MS3.1/5, Ms1 3.1/5, ms1mx2.8/25,
Error ellipse: s-maj=19.8km s-min=12.8km az=51.0

NEIC 13 02:40:21.6, 0.7, 78.33N, 9.50E, h10km, mb4.3/1, Error
ellipse: s-maj=11.6km s-min=9.6km az=82.0

ISC 13 02:40:19.4, 0.7, 78.30N, 0.05, 9.1E, 0.3, h10km, n24,
+1526/25, mb3.9/7, MS3.2/4, Svalbard region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KBS Kingsbay, SPB4 Spitsbergen Ar, etc.

TIF 13 03:40:38.7, 4.3, 10N, 46.03E, h15km, Mpv3.8
MOS 13 03:40:38.4, 1.9, 42.89N, 45.97E, h10km, mb4.0/1, Error
ellipse: s-maj=20.7km s-min=10.9km az=29.2

ISC 13 03:40:30.0, 3.0, 42.99N, 0.03, 45.96E, 0.04, h10km, n15,
+1528/27, 1C-2D, Eastern Caucasus

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DBC Dubki, UNCR Uncukul, etc.

IDC 13 03:45:55.7, 1.1, 16.05N, 46.31W, mb4.0/7, mb1 4/17,
mb1mx3.7/21, MS3.2/5, Ms1 3.2/5, ms1mx3.0/23, Error
ellipse: s-maj=30.5km s-min=23.1km az=92.0

ISC 13 03:48:55.6, 0.9, 16.1N, 0.1, 46.3W, 0.2, h10km, n9, +0647/7,
mb3.8/7, MS3.3/4, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SJG San Juan, SDV Santo Domingo.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SDV, LPAZ La Paz, etc.

NEIC 13 03:56:10.6, 44.37N, 124.60W, h28km, mb3.1/2,
MD3.3 (SEA), After SEA.

IDC 13 03:56:14.3, 2.9, 44.18N, 124.06W, mb3.1/1, mb1 3.6/5,
mb1mx3.4/22, ML3.2/4, Error ellipse: s-maj=42.1km
s-min=16.9km az=97.0

ISC 13 03:56:12.2, 0.7, 44.33N, 0.03, 124.59W, 0.09, h28km, n57,
+0597/59, mb3.2/2, 7C-8D, Near coast of Oregon

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RNO Roman Nose, MPOR Mary's Peak, etc.

IDC 13 03:57:02.6, 4.4, 8.84S, 124.63E, h96km, 44km, mb3.5/3,
mb1 3.9/6, mb1mx3.7/13, Error ellipse: s-maj=83.6km
s-min=24.7km az=70.0

NEIC 13 03:57:03.4, 2.0, 9.04S, 124.18E, h102km, 21km, mb4.7/2,
Error ellipse: s-maj=27.1km s-min=13.8km az=69.0

ISC 13 03:57:03.2, 2.2, 9.05S, 10.0, 124.3E, 0.1, h126km, 23km,
n13, +084/20, mb3.7/3, 2D, Timor region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KAKA Kakadu, FITZ Fitzroy Crossi, etc.

LJU 13 04:03:13.6, 46.32N, 13.64E, h8km, ML2.4
NEIC 13 04:03:13.1, 46.32N, 13.62E, h10km, MD2.6 (ROM),
ML2.7 (VIE), ML2.5 (LUJ), ML2.5 (SZGRF), ML2.5 (FUR),
After ROM.

ROM 13 04:03:13.1, 0.5, 46.32N, 13.62E, h10km, MD2.6, Error
ellipse: s-maj=5.5km s-min=2.0km az=90.0

PRU 13 04:03:15.0, 46.36N, 13.66E
ISC 13 04:03:13.0, 0.2, 46.33N, 0.02, 13.65E, 0.02, h1km, 4km,
n58, +1506/96, 10C-12D, Austria

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CADS Cadrq, CADS.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ROBBS Robic, DRE Drenchia, etc.

NEIC 13 04:10:17.5, 36.09N, 1.37E, MG3.8 (MDD), After MDD.
MDD 13 04:10:16.5, 0.6, 36.02N, 1.44E, mb3.8/9, Error ellipse:
s-maj=6.1km s-min=5.6km az=99.0, PRXIMO, Northern

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ECHH Ech Chief, ENAN Enan's Sour, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GHIR, NASN, QRRN, KBD, etc.

LJU 13 05:52:47.9, 46.31N; 13.62E, h10km, ML2.4

NEIC 13 05:52:48.5, 46.31N; 13.56E, h5km, ML3.0(LJU)

ROM 13 05:52:49.5, 46.31N; 13.56E, h5km, MD2.6/ML2.1/3

PRU 13 05:52:49.1, 46.29N; 13.60E

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CADS, ROBS, DRE, LSR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CTI, GOLI, GCS, etc.

CASC 13 05:56:59.3; 2.4, 13.65N-91.38W, h17km, 13km, MD2.7, ML3.3, 3D, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JAT, IXX, TP2, NBG, etc.

NEIC 13 06:23:06.7, 46.31N; 13.59E, h10km, MD2.2(ROM)

ROM 13 06:23:06.7, 46.31N; 13.59E, h10km, MD2.2/2

LJU 13 06:23:07.4, 46.31N; 13.61E, h7km, ML2.4

ISC 13 06:23:06.9, 46.31N; 13.63E; 0.02, h11km, 4km, n36, e099/65, 7C-10D, Austria

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ROBS, CADS, DRE, LSR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DRE, LSR, Lussari, etc.

ROM 13 06:54:52.6; 0.1, 46.30N; 13.63E, h10km, MD2.2/1, Error ellipse: s-maj=0.8km s-min=0.6km az=90.0

LJU 13 06:54:53.8, 46.30N; 13.62E, h9km, ML2.0

ISC 13 06:54:53.3; 1.6, 46.29N; 13.63E; 0.07, h10km, 12km, n11, e051/20, 1C-4D, Austria

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ROBS, CADS, DRE, LSR, etc.

LJU 13 07:22:59.9, 46.32N; 13.63E, h7km, ML2.2

NEIC 13 07:22:59.5, 46.33N; 13.62E, h10km, MD2.3(ROM)

ROM 13 07:22:59.5; 0.2, 46.33N; 13.60E, h10km, MD2.3/2

ML1.8/2, Error ellipse: s-maj=1.7km s-min=0.8km az=90.0

ISC 13 07:22:59.7; 0.4, 46.31N; 13.64E; 0.03, h10km, 4km, n30, e083/55, 4C-7D, Austria

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CADS, ROBS, DRE, LSR, etc.

GRAL 13 07:23:20.0; 5.4, 33.16N; 35.07E, h10km, 578km, MD2.9

Table with columns: HWQ, HMDT, SLTI, DRGI, Station Name, Az, Phase ID, Time, Res. Includes rows for Nahal Hemdat, Sa'it, Dragot.

NEIC 13 07:23:31.7, 36.23S, 178.31E, h210km, After WEL, WEL 13 07:23:32.7-0.3, 36.24S-178.22E, h198km, 2km, ML4.3/7, 1C, Error ellipse: s-maj=2.3km s-min=2.1km az=90.0, Off east coast of North Island

Main station list table for the first section, including stations like Matakaoa Point, Urewera, Waramunga Arr, etc.

IDC 13 07:28:45.4, 15.0, 12.02S, 166.66E, h276km, 156km, mb3.4/6, mb1 3.7/6, mb1mx3.4/15, Error ellipse: s-maj=84.0km s-min=49.5km az=139.0, Santa Cruz Islands

Station list table for the second section, including stations like Charters Tower, Waramunga Arr, Alice Springs, etc.

IDC 13 07:04:03.1, 6.5, 94S, 150.83E, mb3.9/5, mb1 4.1/6, mb1mx3.8/14, ML2.2/1, MS4.6/1, Ms1 4.6/1, ms1mx3.1/16, Error ellipse: s-maj=67.2km s-min=25.1km az=127.0

IDC 13 07:08:6.1, 2.6, 05S, 0.3, 150.6E, 0.3, h33km, n9, 0699, mb3.7/5, MS4.5/1, New Britain region

Station list table for the third section, including stations like Port Moresby, Waramunga Arr, Alice Springs, etc.

IDC 13 08:03:14.5, 26.0, 19.83S, 177.86W, h225km, 258km, mb3.6/7, mb1 3.9/7, mb1mx3.6/15, Error ellipse: s-maj=124.0km s-min=44.1km az=171.0

NEIC 13 08:03:26.0, 7.2, 49S, 177.70W, h360km, mb3.8/4, Error ellipse: s-maj=26.9km s-min=13.7km az=148.0

IDC 13 08:03:19.4, 3.2, 09S, 177.7W, 0.2, h300km, n14, 0676/13, mb3.7/10, 2C, Fiji Islands region

Station list table for the fourth section, including stations like Toolangi, Stephens Creek, etc.

Table with columns: AS12, ASAR, WBR, WRA, FITZ, FITZ, GQSA, TXAR, ILAR, CMAR, INK, CLL, Station Name, Az, Phase ID, Time, Res. Includes rows for Alice Springs, Waramunga Arr, Fitzroy Crossi, etc.

IDC 13 08:04:21.9, 0.7, 30.00S, 177.31W, mb4.4/10, mb1 4.6/12, mb1mx4.5/19, ML3.6/2, MS4.0/8, Ms1 3.9/8, ms1mx3.8/16, Error ellipse: s-maj=28.0km s-min=19.8km az=149.0, Putative timing error at EIL

MOS 13 08:04:26.4, 1.6, 30.16S, 177.44W, h333km, mb5.0/5, Error ellipse: s-maj=29.4km s-min=23.3km az=77.5

NEIC 13 08:04:38.0, 0.4, 30.09S, 177.51W, h135km, mb4.6/9, Error ellipse: s-maj=13.2km s-min=12.1km az=164.0

IDC 13 08:04:38.0, 0.7, 30.75S, 176.2W, 0.1, h100km, n69, 0139/46, mb4.5/16, 2C-4D, Kermadec Islands

Station list table for the fifth section, including stations like Matakaoa Point, Omahuta, Urewera, etc.

IDC 13 08:17:23.8, 2.7, 45.41N, 38.14E, h14km, mb3.7/2, Error ellipse: s-maj=15.6km s-min=10.1km az=114.3

IDC 13 08:17:29.0, 0.4, 45.99N, 38.67E, mb3.5/2, mb1 3.6/5, mb1mx3.4/19, ML3.9/3, Error ellipse: s-maj=90.7km s-min=31.1km az=20.0

IDC 13 08:17:27.0, 0.4, 45.18N, 0.04, 38.04E, 0.04, h10km, n25, 1840/33, mb3.6/1, 2C-1D, Ukraine - Moldova - Southwestern Russia region

Station list table for the sixth section, including stations like Anapa, Sochi, Simferopol', etc.

Table with columns: VRSR, VRSR, VRSR, MALT, NB2, NOA, NOA, HFS, HFS, ASF, EIL, AKASG, AKASG, KHC, GERES, GERES, Station Name, Az, Phase ID, Time, Res. Includes rows for Waramunga Arr, Malatya, NORSAR, etc.

MOS 13 08:17:23.8, 2.7, 45.41N, 38.14E, h14km, mb3.7/2, Error ellipse: s-maj=15.6km s-min=10.1km az=114.3

IDC 13 08:17:29.0, 0.4, 45.99N, 38.67E, mb3.5/2, mb1 3.6/5, mb1mx3.4/19, ML3.9/3, Error ellipse: s-maj=90.7km s-min=31.1km az=20.0

IDC 13 08:17:27.0, 0.4, 45.18N, 0.04, 38.04E, 0.04, h10km, n25, 1840/33, mb3.6/1, 2C-1D, Ukraine - Moldova - Southwestern Russia region

Station list table for the seventh section, including stations like Anapa, Sochi, Simferopol', etc.



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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Portuguez, Obispo Ponce, Obispo Ponce, etc.

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

IDC 13 09:38:57.3-2.2, 19.15N-86.05E, mb3.8/4, mb1 4, 0/4, mb1mx3.6/16, Error ellipse: s-maj=80.4km s-min=27.7km

TAP 13 10:25:44.2, 24.41N-121.74E, h10km, ML1.7, Taiwan

HEL 13 11:45:24.8-0.2, 60.10N-25.27E, ML1.8, ML2.2(UPP), ML2.2(NAO), Explosion

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Vishakhapatnam, Hyderabad, Shillong, etc.

JMA 13 10:25:57.0-3.0, 24.99N-123.50E, h46km, M1.7, Southwestern Ryukyu Islands

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

NAO 13 09:49:57.7-3.2, 60.82N-29.03E, ML2.1

IRIF Iriomote-Funau, 0.69 120 P S, 01 26 10.8 +0.3

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

BER 13 09:50:00.0-3.5, 60.99N-29.05E, ML2.1(NAO), Suspected explosion

JMC Poland, 0.69 220 P S, 01 26 20.9 +0.3

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

IS 13 09:49:57.7-1.9, 60.9N-0.1-29.0E, 0.1, n9, c131/13, Finland-Karelia border region

KSP Ksiaz, 1.88 291 ePg, 01 31 30.0 -2.1

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like FIAO, FINESS Array S, FIAO, etc.

PRU 13 10:30:54.8, 50.36N-18.87E, 0.70 238 ePg, 01 31 07.8 -0.8

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

NEIC 13 10:03:13.1-1.9, 42.90N-126.48W, h10km, mb3.3/4, Error ellipse: s-maj=23.3km s-min=6.0km az=79.0

WRA Warramunga Arr, 30.30 0 P, 01 45 49.6 +0.1

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

IS 13 10:03:11.4-6.8, 42.93N-126.6W, 0.4, h18km, 47km, n27, c079/27, mb3.3/1, Off coast of Oregon

CTA Charters Tower, 31.66 22 LR, 01 57 14.5

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

MAW Mawson, 38.01 216 LR, 11 01 02.4

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

ESDC Sonseca Array, 148.87 266 PKPbc PKPdf, 01 59 28.3 +6.1

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

WEL 13 11:02:51.0-0.5, 36.28S-177.78E, h210km, 6km, ML3.0/2, Error ellipse: s-maj=11.1km s-min=6.0km az=90.0, East coast of North Island

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

MXZ Matakaoa Point, 1.35 162 PN, 11 03 24.8 -0.3

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

WRA Warramunga Arr, 23.47 233 P, 12 08 18.1 +0.2

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

ASAR Alice Springs, 25.96 226 P, 12 08 39.2 -2.5

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

ILAR Alice Springs, 145.95 321 PKPbc PKPdf, 12 15 32.9 -1.3

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

STR 13 12:15:10.4-0.6, 61.498N-1.81W, h5km, 1km, M12.9, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0, Spain

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

OSSF Osses, 1.34 17 Pg, 12 15 35.6 -1.5

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

ASAR Alice Springs, 45.90 259 P, 12 30 44.2 -0.7

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

WRA Warramunga Arr, 46.21 264 P, 12 30 46.3 -1.1

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

WRA Warramunga Arr, 46.22 264 P, 12 30 46.4 -1.0

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

FITZ Fitzroy Crossi, 54.65 263 P, 12 31 51.6 0.0

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

NVAR Mima Array Be, 81.41 42 P, 12 34 38.1 -0.5

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

CMAR Chiang Mai Arr, 92.68 289 P, 12 35 36.0 +2.1

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

AKASG Mima Array Be, 145.95 321 PKPbc PKPdf, 12 41 59.0 -0.7

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

NEIC 13 11:20:22.2, 35.01N-25.67E, h4km, MD3.5(ATH), After ATH

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

ATH 13 11:20:22.2, 35.01N-25.67E, h4km, MD3.5/6

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

IS 13 11:20:22.7-0.9, 35.01N-0.06-25.68E, 0.7, h4km, n7, c150/9, 1C, Crete

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

XRY Khrisi, 0.13 174 ePg, 11 20 25.0 -0.4

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

NPS Neapolis, 0.26 348 l/Pg, 11 20 26.8 -1.2

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

VAM Vampos, 1.27 289 ePN, 11 20 47.3 0.0

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

KARP Karpathos, 1.33 66 ePb, 11 20 46.1 -1.7

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

KARF Karpathos, 1.37 353 eSb, 11 21 06.7 +1.6

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

SANT Santorini, 1.37 353 eSb, 11 21 05.7 -0.7

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

KITH Kithira, 2.50 301 ePN, 11 21 06.0 +1.2

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

VLI Velia, 2.81 308 ePN, 11 21 09.6 +0.4

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

NEIC 13 11:43:06.8, 30.77S-71.54W, h45km, MD4.1(GUC), After GUC

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

XRY Khrisi, 0.13 174 ePg, 11 20 25.0 -0.4

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

NPS Neapolis, 0.26 348 l/Pg, 11 20 26.8 -1.2

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

VAM Vampos, 1.27 289 ePN, 11 20 47.3 0.0

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

KARP Karpathos, 1.33 66 ePb, 11 20 46.1 -1.7

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

KARF Karpathos, 1.37 353 eSb, 11 21 06.7 +1.6

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Code Station Name Az AzZ Phase ID Time Res

SANT Santorini, 1.37 353 eSb, 11 21 05.7 -0.7

HEL 13 11:45:24.3-2.6, 60.17N-25.23E, ML2.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JIE Ise, MAJO Matsushiro, MAT Matsushiro, etc.

IDC 13 12:30:33.9, 13.0, 52.68N, 171.72W, mb3.5/4, mb1 3.8/5, mb1mx3.5/22, ML3, 7.71, Error ellipse: s-maj=227.0km, s-min=51.9km az=76.0

NEIC 13 12:30:57.1-0.5, 53.1N, 0.1-169.57W, 0.09, h124km, 5km, n34, c066/38, mb3.4/4, Fox Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NIKO Nikolski, OKER East Rim, MGOD Makushin Gods, etc.

INMG 13 12:43:45.3-0.9, 37.58N, 7.93W, h2km, ML1 0.0, Error ellipse: s-maj=2.3km s-min=1.8km az=38.0

MDD 13 12:43:45.2-0.4, 37.59N, 7.94W, mbLg 1.4/6, Error ellipse: s-maj=3.9km s-min=2.4km az=24.0, PRXIMO

ISC 13 12:43:44.1-0.7, 37.59N, 0.04, 7.92W, 0.04, h2km, n11, c067/15, Portugal

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EGRO El Granado, PALC Alcouthim, PBEJ Beja, etc.

IDC 13 12:49:42.6-2.9, 27.44S, 115.04W, mb4.0/4, mb1 4.4/4, mb1mx4.0/17, MS4.0/13, Ms1 4.0/13, ms1mx3.9/21, Error ellipse: s-maj=99.4km s-min=41.2km az=39.0, Southern East Pacific Rise

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PLCA Paso Flores, LPAZ La Paz, LPAZ, CPUP Villa Florida

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like URZ Urewera, XNDA Lajitas Array, XNDA Vanda, etc.

NDI 13 12:50:00.7-3.1, 33.84N, 76.58E, h10km, MD3.6, ML3.5, IDC 13 12:50:01.3-1.2, 33.58N, 76.94E, mb3.8/9, mb1 4.0/10, mb1mx3.8/18, ML3.7/11, MS3.0/1, Ms1 3.1/11, ms1mx2.5/21, Error ellipse: s-maj=37.9km s-min=19.3km az=53.0

NEIC 13 12:50:07.5-0.8, 33.69N, 77.00E, h40km, mb3.9/4, Error ellipse: s-maj=21.3km s-min=11.3km az=58.0

ISC 13 12:50:03.6-1.2, 33.66N, 0.03, 77.04E, 0.08, h29km, 10km, n31, c1925/41, mb3.8/9, MS3.0/1, 1D, Eastern Kashmir

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BHK Bhakra, BKH Kalpa, SMLA Simla, JOSI Joshimath, etc.

STR 13 13:13:45.4-0.6, 47.70N, 2.34W, h5km, 1km, Ml2.6, Error ellipse: s-maj=0.6km s-min=0.4km az=1.0

LDG 13 13:13:45.2-0.1, 47.46N, 2.76W, h5km, Ml2.7/2, Ml2.8/11, Error ellipse: s-maj=2.1km s-min=1.1km az=47.0

NEIC 13 13:13:45.2-0.7, 47.46N, 2.76W, h5km, Ml2.8(LDG), After LDG

ISC 13 13:13:43.5-0.7, 47.44N, 0.03, 2.61W, 0.04, h8km, 4km, n16, c1929/40, France

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like QUIF Quistinic, SGMF Saint Gilles, ROSF Rostrenen, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LDF, LFF La Frestrate, TCF Toux Ste Croi, etc.

ISK 13 13:24:53.1, 36.88N, 27.72E, h13km, MD3.2, NEIC 13 13:24:54.7, 36.89N, 27.74E, h27km, MD3.2(A/H), After A/H

ATH 13 13:24:54.6, 36.89N, 27.74E, h27km, 2km, MD3.2/5, ISK 13 13:24:53.8, 36.88N, 27.72E, h13km, MD3.2/5, n12, c092/21, IC, Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BDRM Kayabasi, BDRM Milas, MLSB Milas, etc.

IDC 13 13:35:25.2-1.0, 3.86N, 63.50E, mb3.8/9, mb1 4.0/9, mb1mx3.8/18, MS3.5/6, Ms1 3.6/6, ms1mx3.4/16, Error ellipse: s-maj=27.9km s-min=21.5km az=20.0

NEIC 13 13:35:26.9, 0.6, 3.88N, 63.46E, h10km, mb4.3/6, Error ellipse: s-maj=15.7km s-min=12.5km az=189.0

ISC 13 13:35:25.2-0.8, 3.9N, 0.1-63.5E, 0.1, h10km, n18, c081/15, mb4.0/14, MS3.5/6, Carlsberg Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KMBO Kilima Mbogo, KMBO Kilima Mbogo, KMBO Kilima Mbogo, etc.

LJU 13 13:38:48.6, 46.32N, 13.61E, h8km, ML2.4, NEIC 13 13:38:48.9, 0.5, 46.31N, 13.63E, h5km, ML2.6(VIE), ML2.5(LJU), Error ellipse: s-maj=6.2km s-min=4.5km

PRU 13 13:38:49.1, 46.29N, 13.58E, ISC 13 13:38:48.3-0.3, 46.30N, 0.02, 13.62E, 0.02, h12km, 4km, n29, c091/53, BC-7, Austria

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ROBS Robic, CADS Cadrj, DRE Drenchia, etc.



13d 17h

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TEOL, WATA, SOTA, NVLJ, MOTA, GECC, etc.

IDC 13 15:56:21.6, 1.2, 32, 155x, 177.88W, mb4, 1/6, mb1 4, 3/7, mb1mx2, 2/15, ML3, 4/1, MS3, 9/2, Ms1 3, 8/2, ms1mx3, 2/21, Error ellipse: s-maj=30.9km s-min=24.7km az=126.0, NEIC 13 15:56:25.3, 0.8, 32, 118.17, 77.88W, h25km, mb4, 5/2, Error ellipse: s-maj=19.5km s-min=14.9km az=114.0

ISC 13 15:56:23.2, 5.2, 37.12S, 0.10, 17.0, 0W, 0.2, h15km, 40km, n19, 0.085/15, mb4, 2/6, MS3, 9/2, South of Kermadec Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like URZ, RPZ, STKA, CTA, AS12, etc.

ROM 13 16:11:20.6, 0.3, 46.32N, 13.60E, h10km, MD2, 4/2, ML1, 7/2, Error ellipse: s-maj=2.4km s-min=1.2km az=90.0, LJJ 13 16:11:21.0, 46.31N, 13.63E, h9km, ML2, 2

ISC 13 16:11:20.6, 0.6, 46.31N, 0.02, 13.64E, 0.03, h13km, 6km, n23, 0.073/43, 7C-6D, Austria

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CADS, ROBS, DRE, LSR, etc.

NEIC 13 16:32:44.7, 60.94N, 140.00W, h1km, ML4, 1 (PMR), ML4, 0 (AEIC), ML4, 0 (PGC), After AEIC.

PGC 13 16:32:45.6, 60.96N, 140.03W, h1km, ML4, 0/2, St. Elias Mountains, Yukon Territory

IDC 13 16:32:45.4, 0.9, 61.02N, 139.98W, mb3, 2/4, mb1 3, 6/8, mb1mx3, 6/21, ML3, 5/4, MS3, 1/3, Ms1 3, 1/3, ms1mx2, 6/17, Error ellipse: s-maj=17.0km s-min=9.4km az=33.0, h10km, n54, ISC 13 16:32:43.0, 0.3, 61.01N, 0.03, 139.89W, 0.05, h1km, n54, 0.1920/63, mb3, 2/4, MS3, 2/1, Southern Yukon Territory

2004 JUL

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CTGM, PCA, BCPM, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WHY, WHY, WHY, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DAWY, TOA, BESE, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DLBC, DLBC, DLBC, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DLBC, DLBC, DLBC, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BMBC, BMBC, YKWS, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like YKA, YKA, YKA, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NVAR, NVAR, NVAR, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CTA, PMG, STKA, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KEK, INGI, RATI, etc.

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NEIC 13 16:45:29.9, 1.8, 6.54S, 147.54E, h68km, 14km, mb4, 4/3, Error ellipse: s-maj=16.1km s-min=12.6km az=61.0, IDC 13 16:45:30.2, 2.4, 6.56S, 147.41E, h70km, 23km, mb3, 7/6, mb1 3, 9/9, mb1mx3, 8/15, MS3, 9/1, Ms1 3, 9/1, ms1mx3, 1/14, mb1 3, 9/9, s-maj=36.1km s-min=14.9km az=104.0, ISC 13 16:45:28.6, 2.0, 6.55, 0.1, 147.5E, 0.1, h72km, 18km, n17, 0.078/20, mb3, 9/7, Eastern New Guinea region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PMG, CTA, KAKA, etc.

KRSC 13 17:07:09.5, 49.00N, 157.00E, h48km, ML3, 7, Kuril Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SKR, ALID, PAU, etc.

MEX 13 17:13:22.4, 0.9, 16.02N, 93.64W, h122km, 22km, MD4, 1, NEIC 13 17:13:23.8, 16.04N, 93.65W, h111km, MD4, 0 (MEX), After MEX.

IDC 13 17:13:26.9, 4.6, 16.09N, 93.16W, h158km, 58km, mb3, 2/2, mb1 3, 6/5, mb1mx3, 3/21, Error ellipse: s-maj=48.3km s-min=23.5km az=76.0, ISC 13 17:13:20.9, 0.7, 16.05N, 0.06, 93.64W, 0.04, h119km, 8km, n14, 0.105/24, mb3, 5/2, IC, Chiapas

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SCX, CMIG, etc.

IDC 13 17:14:18.6, 0.6, 17.39S, 66.27E, mb4, 2/15, mb1 4, 3/15, mb1mx4, 2/19, MS4, 0/10, Ms1 4, 0/10, ms1mx3, 9/19, Error ellipse: s-maj=19.5km s-min=16.2km az=53.0, BUJ 13 17:14:20.2, 17.30S, 66.30E, h10km, mb4, 6, mb4, 4, Ms4, 0, MS3, 7, NEIC 13 17:14:20.2, 0.3, 17.30S, 66.26E, h10km, mb4, 2/4, Error ellipse: s-maj=10.8km s-min=9.4km az=218.0, ISC 13 17:14:18.3, 0.4, 17.36S, 0.09, 66.25E, 0.09, h10km, (h25km, 3, 5km, pp-P), n32, 0.087/28, mb4, 3/21, MS4, 0/11, Mauritius - Reunion region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TEIG, JTS, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAW, FITZ, GYA, CD2, AS12, ASAR, LZH, WRA, WB2, GTA, XAN, MKAR, SNA, STKA, BVAR, CHZK, ARBU, DBIC, SONM, VNSA, WDA, CTA, AKASG, ARCES, ILAR, YKA, NVAR.

IDC 13 17:18:40.0-4.5, 23.33N-94.25E, h108km, 41km, mb2.9/2, mb1 3/1.3, mb1mx3.8/18, Error ellipse: s-maj=97.5km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IMP, SHL, CMAR, PKI, KKN, DMN, GKN, KOLN, MKAR, ASAR.

IDC 13 17:36:39.0-4.5, 22.70S-173.20W, mb4.2/2, mb1 4.3/2, mb1mx3.8/15, Error ellipse: s-maj=264.0km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ASAR, CMAR, MKAR, BVAR, AKASG, GERES.

KRSC 13 17:38:10.2-2.0, 48.82N-156.83E, h42km, 30km, ML3.9, East of Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SKR, ALID, PAU, MIPR, RUS, GRL, PET, AVH, SMAR, KOK, NLC, SLDL, SPN, GNL.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MKZ, KBTR, STKA, WB2, WRA, ASAR, AS12, FITZ.

IDC 13 17:39:22.1-35.0, 16.55S-179.20W, mb4.2/4, mb1mx3.9/16, Error ellipse: s-maj=663.0km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like URZ, CTA, STKA, WB2, WRA, AS12, ASAR, FITZ.

NEIC 13 17:58:27.2, 60.94N-140.07W, h1km, ML3.6(PMR), ML3.4(AEIC), ML3.4(PGC), After AEIC.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CTGM, PCA, BCPM, YAH, CHX, BALM, SALM, PNL, WRG, TGL, CYK, CRQM, SNH, GLB, BCA3, BMRM, WHY, WHY, WHY.

IDC 13 17:58:25.6-0.4, 61.00N-0.03, 139.94W-0.05, h1km, n31, 139.93, Southern Yukon Territory

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WHY, DIV, EYAK, DAWY, DAWY, DAWY, DAWY, DAWY, INK, INK, INK, INK, FNBB, DNB, YKWS, YKWS, YKWS.

IDC 13 18:06:05.7-3.8, 17.81S-65.91E, mb3.9/6, mb1 4.1/6, mb1mx3.8/17, MS3.8/4, Ms1 3.8/4, ms1mx3.2/22, Error ellipse: s-maj=11.0km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAR, CMAR, ASAR, ASAR, WRA, MKAR, BVAR, SONM, CTA.

ROM 13 18:07:56.7-0.2, 46.31N-133.64E, h13km, 2km, MD2.1/2, Error ellipse: s-maj=1.1km

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LSR, LSR, LSR, PTCC, PTCC, COLI, COLI, GMNA, GMNA, BAD, BAD, BAD, BAO, PLRO, PLRO, OBKA, OBKA, CEY, VISS, PERE, LEGS.

IDC 13 18:24:15.2-1.9, 55.62N-154.94W, mb3.5/4, mb1 3.7/6, mb1mx3.8/22, ML3.4/2, Error ellipse: s-maj=40.0km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ILAR, INK, YKA, PDAR, SONM, MKAR.

ROM 13 18:32:45.2-0.0, 46.29N-133.62E, h8km, MD2.1/2, Error ellipse: s-maj=0.3km

LJU 13 18:32:46.0, 46.29N-133.62E, h7km, ML1.9.0

ISC 13 18:32:46.0-1.0, 46.30N-0.03, 133.64E-0.04, h8km, n11km, n14, <0.96/27, 4C-5D, Austria

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CADS, CADS, ROBS, ROBS, DRE, DRE, DRE, LSR, LSR, LSR, PTCC, PTCC, COLI, GMNA, GMNA, BAD, BAD, BOO, PLRO, PLRO, OBKA, OBKA.

IDC 13 18:37:01.5-4.0, 22.83S-176.70W, mb4.3/5, mb1 4.4/5, mb1mx4.0/17, Error ellipse: s-maj=123.0km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CTA, PMG, AS12, ASAR, WB2, WRA, FITZ, AKASG.

IDC 13 18:53:36.9-7.5, 30.93N-84.64E, mb3.3/1, mb1 3.5/3, mb1mx3.3/19, ML3.4/2, Error ellipse: s-maj=147.0km

ISC 13 18:53:35.7-1.0, 30.7N-0.1, 83.98E-0.09, h33km, n5, <0.92/6, mb3.2/1, 2C, Xizang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PTH, PTH, MKAR, KK31, KK31, SONM.

IDC 13 19:04:38.7-6.2, 30.95S-178.32W, mb3.4/2, mb1 3.7/2, mb1mx3.6/13, Error ellipse: s-maj=243.0km

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

NEIC 13 19:08:04.2, 36.29S-178.13E, h215km, After WEL, WEL 13 19:08:14.8-0.2, 36.76S-177.89E, h136km, 2km, ML4.0/1, Error ellipse: s-maj=3.3km

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like URJ Urewera, URZ Kokohu, KNZ Kokohu, etc.

IGQ 13 19:05.8, 0.22N:80.12W, h12km, 5km, mb4.1, 4C-2D, Error ellipse: s-maj=7.7km s-min=3.7km az=92.0, Near coast of Ecuador

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like JORI San Jorge 1, PINO Pino, CGGP Crater GGP, etc.

THE 13 19:24:18.1, 38.93N, 20.31E, h10km, ML2.9, ATH 13 19:24:18.7, 38.78N, 20.19E, h39km, MD3.2/3, ISC 13 19:24:18.1, 38.88N, 0.05-20.27E, 0.08, h10km, n9, r1515, Greece

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like LKD Levkas, IGT Igoumenitsa, VLS Valsamata, etc.

NEIC 13 19:31:33.8, 0.7, 26.21N:92.78E, mb4.2/1, Error ellipse: s-maj=20.3km s-min=7.8km az=64.0, IDC 13 19:31:33.7, 1.4, 26.21N:92.62E, h72km, 8km, mb3.3/4, mb1.3, 6.5, mb1mx3.3/17, Error ellipse: s-maj=55.4km s-min=15.4km az=70.0

ISC 13 19:31:32.8, 0.8, 26.23N, 0.08-93.03E, 0.09, h71km, 12km, n13, r1500/14, mb3.5/4, 2D, Northeastern India

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SHL Shillong, IMP Imphal, LSA Lhasa, etc.

MOS 13 19:50:58.9, 1.0, 24.11S:175.20W, h10km, mb5.4/20, MS4.8/18, Error ellipse: s-maj=17.6km s-min=14.2km az=112.1, MS4.9, MS4.8

HRVD 13 19:51:01.7, 0.1, 24.27S:174.54W, h12km, MW5.3/64, Centroid moment tensor solution. LP body waves: s56, c117, mantle waves: s64, c130. Half duration: 1s2 Moment tensor: Scale 1017Nm; Mr=-1.02±.02; Mw=0.20±.02; Mw0.12±.02; Mw0.04±.02; Mw0.03±.05; Best double couple: Ms=1.28x1017 NP1: phi=35, delta1, lambda=60, NP2: phi=178, delta5, lambda=113. Principal axes: T 1.39, P1g6, Azm284; N -2.2, P1g19, Azm192; P -1.17,

Plg69, Azm35; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. NEIC 13 19:51:01.7, 0.1, 24.26S:174.92W, h25km, mb5.3/56, MS5.0/91, MW5.5. Error ellipse: s-maj=6.9km s-min=4.2km az=143.0, Moment Tensor Solution. s37 Moment tensor: Scale 1017Nm; Mr=-1.34; Mw=0.20; Mw0.154; Mw0.68; Mw0.205; Mw0.51; Best double couple: Ms=1.7x1017 NP1: phi=347, lambda=126, NP2: phi=209, delta=60, lambda=66. Principal axes: T 1.7, P1g12, Azm282; N 0, P1g21, Azm16; P -1.7, P1g66, Azm164. SYO 13 19:51:01.6, 24.26S:174.92W, h25km, MB5.3, MS5.0 BGS 19:51:04.6: 2.24, 10S: 17.5, 00W, h33km, IDC 13 19:51:05.8, 2.7, 24.19S:175.08W, h53km, 23km, mb4.7/21, mb1.4, 9/23, mb1mx4.9/24, ML4.9/2, MS4.7/16, ms1mx4.6/20, Error ellipse: s-maj=16.3km s-min=11.1km az=166.0, Putative timing error at EIL. ISC 13 19:50:55.9, 1.7, 24.89S:0.04:174.75W, 0.04, h9km, 10km, h32km, 3.0, comp:pp-P, n467, r1505/220, mb5.2/85, MS4.9/11, 35C-16D, South of Tonga Islands

Main table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MXZ Matakaoa Point, RAR Rarotonga, RAR Rarotonga, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like QSPA comp=Z, 560nm, 20.4s, MS4.8, MIR Mirnyy, JOW Kunigami, MAJO Matsushiro, etc.







Table with columns: MEZ/Code, Station Name, Time, Res, etc. Lists various station data points for the left column.

Table with columns: BESP/Code, Station Name, Time, Res, etc. Lists various station data points for the middle column.

Table with columns: ASAR/Code, Station Name, Time, Res, etc. Lists various station data points for the right column.

MEX 13 19:52:50.2-0.6, 14.06N:92.54W, h146km, 14km, MD4,3. Contains data for Mexico stations.

IDC 13 20:07:50.0-0.6, 36.27S:97.04W, h10km, mb4.4/4, Error ellipse: s-maj=17.2km. Contains data for IDC stations.

IDC 13 20:29:57.4-0.5, 36.54N:10.037, h147E, 0.06, h111km, 8km, n65, +i45/71, mb3.8/12, 3C-4D, Afghanistan-Tajikistan border region. Contains data for IDC stations in the border region.

Summary table with columns: Code, Station Name, Time, Res, etc. Lists various station data points at the bottom of the page.

WRA Warramunga Arr 81.69 122 P P 21 42 07.0 +2.0  
comp=Z,0.2nm,0.4s,mb3.3,baz=325,slow=4.9,SNR=7.4

IDC 13 21:46:02.7:59.0,21.46S:177.67W,mb4.0/3,mb1 4.2/3,  
mb1mx3.9/14,1C,Error ellipse: s-maj=1074.0km  
s-min=166.8km,az=84.0,Filij Islands region

NEIC 13 22:25:37.5:1.6,23.29S:66.28W,h138km,24km,Error  
ellipse: s-maj=29.4km s-min=15.6km az=115.0

IDC 13 22:25:37.4:2.6,23.29S:66.32W,h132km,33km,  
mb1 3.6/4,mb1mx3.3/16,Error ellipse: s-maj=33.7km  
s-min=21.3km az=118.0

IDC 13 22:25:35.5:1.1,23.34S:0.08:66.22W,0.09,h132km,n7,  
o#92/9,Jujuy Province

LVC Limon Verde 2.58 286 Op P ISC  
49nm,0.3s,baz=106,slow=6.6,SNR=363

LPAZ La Paz 7.24 345 P S  
0.5nm,0.3s,baz=173,slow=8.1,SNR=8.6

PLCA Paso Flores 17.72 191 P P  
0.2nm,0.3s,baz=359,slow=13,SNR=6.6

BDFB Brasilia 18.79 69 P P  
0.5nm,0.3s,baz=243,slow=7.2,SNR=1.1

MKAR Makanchi Array 145.56 39 PKPbc PKPbc  
0.9nm,0.9s,baz=324,slow=3.2,SNR=3.5

INMG 13 22:36:28.9:0.9,37.53N:6.84W,h11km,3km,ML1.7,Error  
ellipse: s-maj=2.2km s-min=1.5km az=165.0

MDD 13 22:36:28.9:0.2,37.51N:6.85W,h12km,4km,MLg1.9/12,  
Error ellipse: s-maj=3.0km s-min=1.3km az=150.0

IDC 13 22:36:28.0:0.6,37.50N:0.05:6.82W,0.04,h22km,7km,  
n19,o#100/26,4C,Spain

EMIN Mina Concepcion 0.29 23 Op P ISC  
2.7nm,0.1s,SNR=18

ERIP Rio Piedras 0.37 250 Lg Pb  
43nm,0.1s,SNR=7.9

PALC Alcouthim 0.53 266 Op P S  
29nm,0.1s

EGRO El Granado 0.53 274 Op P Pb  
11nm,0.1s,SNR=18

PBEJ Beja 0.98 302 Op P Pb  
14nm,0.1s

ESPR Espera 0.99 129 Pg Pb  
7.2nm,0.1s

EBAD Badajoz 1.26 353 Pg Pn  
1.2nm,0.1s,SNR=15

EHOR Hornachuelos 1.28 75 Pg Pn  
1.0nm,0.1s,SNR=7.9

PTEO Sao Teotonio 1.52 272 Op Pn  
11nm,0.3s

MOE Montero 1.58 311 Op Sn  
5.5nm,0.3s

EADA Adamaz 1.89 69 Pn Pn  
1.2nm,0.1s,SNR=7.9

EAOJ Sierra Loja 2.15 99 Pg Sn  
0.6nm,0.4s,SNR=7.9

PCBR Castelo Branco 2.39 348 Op Pn  
1.5nm,0.2s

EQES Quesada 2.99 83 Pn Sn  
0.8nm,0.7s,SNR=7.9

NEIC 13 22:43:17.2,46.31N:13.66E,h10km,MD2.5(ROM),  
ML2.1(LJU),ML2.1(VIE),After ROM

ROM 13 22:43:17.2:0.1,46.31N:13.66E,h10km,MD2.5/2,Error  
ellipse: s-maj=1.0km s-min=0.9km az=0.0

LJU 13 22:43:18.3,46.31N:13.64E,h9km,ML2.0  
ISC 13 22:43:18.0:0.3,46.33N:0.02:13.66E,0.02,h10km,n30,  
o#87/51,9C-7D,Austria

CADS Cadrg 0.12 153 Op P ISC  
2.4nm,0.6s,mb3.9,baz=325,slow=13,SNR=10.0

BAD Bernadia 0.30 252 Op Pg  
0.3nm,0.7s,mb3.9,baz=140,slow=4.2,SNR=5.9

BOO Bordano 0.39 268 Op Pg  
0.39 253 Op Pg  
0.39 253 Op Pg  
0.39 253 Op Pg  
0.42 302 Op Pg  
0.53 296 Op Pg  
0.64 74 Op Pg

LJU Ljubljana 0.67 115 Op Pg  
0.2nm,0.7s,mb4.4,baz=140,slow=8.8,SNR=23

KBA Koelnbreinsper 0.78 344 Op Pg  
comp=Z,1.6nm,0.2s

CAE Caneva 0.91 250 Op Pg  
0.96 105 Op Pg  
0.96 122 Op Pg

BISS Bistrisja 1.06 72 Op Pg  
1.22 108 Op Pg  
1.30 105 Op Pg  
1.39 126 Op Pg

ARSA Arzberg 1.58 54 Op Pg  
comp=Z,1.6nm,0.2s

USHA Ushuaia 24.71 254 LR  
comp=Z,36nm,18.6s,baz=189,slow=7.8,SNR=7.1

VNDA Vanda 46.59 182 P P  
1.5nm,0.7s,baz=189,slow=7.8,SNR=7.1

LPAZ La Paz 51.73 302 P P  
2.4nm,0.8s,baz=196,slow=7.6,SNR=14

INPK Inca 146.85 329 PKPbc PKPbc  
3.2nm,1.1s,baz=64,slow=3.5,SNR=3.2

SOMN Songo Array 149.15 84 PKPbc PKPbc  
0.2nm,0.4s,baz=238,slow=4.8,SNR=2.8

ILAR Eielson Array 151.34 31 PKPbc PKPbc  
1.2nm,0.7s,baz=134,slow=2.4,SNR=12

ILAR Eielson Array 151.34 31 PKPbc PKPbc  
0.6nm,0.6s,baz=128,slow=1.0,SNR=5.7

ROM 13 22:53:06.6:0.3,46.29N:13.59E,h10km,MD2.1/2,Error  
ellipse: s-maj=2.6km s-min=1.7km az=90.0

LJU 13 22:53:07.0,46.31N:13.62E,h9km,ML1.8  
ISC 13 22:53:06.9:1.0,46.29N:0.04:13.63E,0.04,h11km,9km,  
n12,o#97/21,3C-3D,Austria

ROBS Robic 0.10 239 Op Pg  
comp=Z,68nm,0.1s

CADS Cadrg 0.10 130 Op Pg  
comp=Z,191nm,0.1s

DRE Drenchia 0.12 175 Op Pg  
DRE Lussari 0.22 391 Op Pg  
PTCC Patocco-Chiusa 0.22 301 Op Pg  
PTCC Patocco-Chiusa 0.22 301 Op Pg  
COLI Colorado 0.23 227 Op Pg  
COLI Gemona 0.27 266 Op Pg

BAD Bernadia 0.27 258 Op Pg  
BAD Bernadia 0.27 258 Op Pg  
BOO Bordano 0.27 258 Op Pg  
LJU Ljubljana 0.67 111 Op Pg  
OBKA Obir 0.67 71 Op Pg

IDC 13 22:55:42.7:3.4,7.71S:127.35E,h78km,31km,mb3.8/8,  
mb1 4.0/11,mb1mx3.9/14,MS3.2/2,MS1 3.2/2,  
ms1mx2.8/13,Error ellipse: s-maj=37.1km s-min=14.2km  
az=61.0

NEIC 13 22:55:43.6:1.8,7.74S:127.30E,h88km,17km,mb4.5/2,  
Error ellipse: s-maj=24.5km s-min=12.5km az=59.0

ISC 13 22:55:41.6:2.1,7.77S:0.10:127.4E,0.1,h86km,21km,  
n22,o#18/26,mb4.1/10,Banda Sea

KAKA Kakadu 6.98 135 Op P  
13nm,0.3s

FITZ Fitzroy Crossi 10.40 189 Op S  
4.4nm,0.2s

FITZ Fitzroy Crossi 10.40 189 P P  
2.0nm,0.3s,baz=17,slow=9.3,SNR=42

WRA Warramunga Arr 13.87 151 P P  
1.0nm,0.3s,baz=32,slow=14,SNR=12

AS12 Alice Springs 17.01 159 Op S  
5.3nm,0.6s

ASAR Alice Springs 17.01 159 P P  
1.0nm,0.3s,baz=333,slow=10,SNR=28

CTA Charters Tower 22.03 126 P LR  
6.5nm,0.8s,mb4.0,baz=309,slow=11,SNR=5.9

STKA Stephens Creek 27.41 153 P P  
2.4nm,0.6s,mb3.9,baz=325,slow=13,SNR=10.0

LPAZ La Paz 151.61 147 PKPbc PKPbc  
1.8nm,0.6s,baz=207,slow=7.4,SNR=11

NEIC 13 22:57:53.1:2.5,41.21N:126.27W,h10km,mb3.7/3,Error  
ellipse: s-maj=29.8km s-min=7.2km az=89.0

ISC 13 22:57:51.5:2.4,41.18N:0.06:126.3W,0.3,h10km,n33,  
o#97/33,mb3.9/1,Off coast of northern California

KRMB Red Mountain 1.84 78 Op Pn  
KBO Bosley Butte 1.88 56 Op Pn  
KHMM Horse Mountain 1.98 98 Op Pn

KEBM Edison Butte 2.25 40 Op Pn  
VBH Yreka Blue Hor 2.76 77 Op Pn  
HMO Huerfano Mountain 2.88 59 Op Pn

WDC Whiskeytown Da 2.92 101 Op Pn  
BBOR Butler Butte 3.20 57 Op Pn  
BUORS Burton Butte 3.24 69 Op Pn

HOPS Hopland 3.31 130 Op Pn  
HSD Harts Mountain 3.35 44 Op Pn  
LAB Little Aspen B 3.36 70 Op Pn

HBO Huckleberry Mo 3.98 47 Op Pn  
OHCM Honcut 4.13 115 Op Pn  
MOD Modoc 4.57 79 Op Pn

BKC Brookwood Rese 4.59 34 Op Pn  
SSOR Sweet Springs 4.64 36 Op Pn  
BEKR Beckwourth 4.72 104 Op Pn

WCN Washoe City 5.35 108 Op Pn  
CMB Columbia Colle 5.55 123 Op Pn  
SAO San Andreas Ge 5.81 138 Op Pn

SWOR Wild Horse Val 5.87 75 Op Pn  
MNV Mina 6.85 111 Op Pn  
HLD Hailey 9.13 71 Op Pn

DUG Dagway 10.30 91 Op P  
HWUT Hardy Ranch 11.09 83 Op P  
MSU Marysville 11.19 99 Op P

HDY Holler Researc 11.81 57 Op P  
SRU San Rafael 12.26 59 Op P  
SDCO Great Sand Dun 16.43 95 Op P

ANMO Alamoque 16.81 105 P P  
FFC Sweet Flon 21.06 42 P P  
LJTJ Lajitas 21.88 116 P P

HEL 13 23:19:42.2:0.0,67.82N:20.17E,ML2.1,ML1.8(UPP),  
ML1.7(BE)R,Explosion

BER 13 23:19:42.6:1.7,67.84N:20.09E,ML1.7,Suspected  
explosion

ISC 13 23:19:40.0:0.6,67.83N:0.03:20.01E,0.09,n15,o#13/22,  
Sweden

KUA Kurvaara 0.18 44 Op Pn  
KUA Kurvaara 0.18 44 Op Pn  
NIKU Nikkaloukta 0.37 177 Op Pn

DUNU Dundred 0.74 263 Op Pn  
MASU Masuqnsbyn 0.85 115 Op Pn  
KIF Kilpisjarvi 1.22 14 Op Pn

PAJU Pajala 1.45 122 Op Pn  
KIF Kilpisjarvi 1.22 14 Op Pn  
ERTU Ertsojauke 1.54 145 Op Pn

KTK1 Kattak 1.69 44 Op Pn  
KTK1 Kattak 1.69 44 Op Pn  
TRO Tromso 1.86 348 Op Pn

TRO Tromso 1.86 348 Op Pn  
TRO Tromso 1.86 348 Op Pn  
LOF Lofoten 2.46 280 Op Pn

SGF Sodankyl 2.52 96 Op Pn  
SGF Sodankyl 2.52 96 Op Pn  
MOR8 Moi Rana 2.75 235 Op Pn

KEV Kevo 3.20 50 Op Pn  
KEV Kevo 3.20 50 Op Pn  
OUL Oulu 3.63 137 Op Pn

NSS Namsos 4.64 228 Op Pn  
NSS Namsos 4.64 228 Op Pn  
comp=Z,2.7nm,0.5s

TAP 13 23:33:01.4,24.26N:121.81E,h14km,1km,ML2.9  
JMA 13 23:32:37.7,24.21N:123.83E,h22km,1km,  
Southwestern Ryukyu Islands

HATJ Hateruma jima 0.15 189 Op Pn  
HATJ Hateruma jima 0.15 189 Op Pn  
JKRS Kuro-shima 0.17 80 Pn

JIJ Ishigaki jima 0.32 62 Pn  
JIJ Ishigaki jima 0.32 62 Pn  
JTJ Tarama 0.90 61 Op Pn

MEX 13 23:35:09.0:0.8,17.13N:99.95W,h73km,16km,MD4.1  
NEIC 13 23:35:09.3:0.9,17.12N:99.92W,h66km,MD4.0(MEX),After  
MEX

ISC 13 23:35:07.0:2.4,17.09N:0.09:99.9W,0.1,h76km,22km,  
n14,o#126/21,C,Guerrero

CAIG El Cayaco 0.32 262 Op Pn  
CAIG El Cayaco 0.32 262 Op Pn  
PNIG Pinotepa 1.87 112 Op Pn

PNIG Pinotepa 1.87 112 Op Pn  
YAGI Yautepuc 1.95 25 Op Pn  
YAGI Yautepuc 1.95 25 Op Pn  
YAGI Yautepuc 1.95 25 Op Pn

Msz3.9  
NEIC 13 23:45:45.8, 35.73N, 121.06W, h6km, mb4.1/2,  
ML3.4 (INCEDC), MV4.1 (BRK), After NCEDC.

NEIC Felt (IV) at San Simeon; (III) at Bradley, Cambria and Paso  
Robles; (II) at Atascadero, Los Osos, Morro Bay and San Luis  
Obispo.

IDC 13 23:45:46.3, 1.1, 35.74N, 121.03W, mb3.9/5, mb1 4.0/11,  
m1mx3.9/23, ML3.4/5, MS3.1/3, Ms1 3.1/3, s-min=2.7/4,  
Error ellipse: s-maj=17.2km s-min=14.4km az=94.0

ISC 13 23:45:44.2, 0.7, 35.71N, 121.09W, 0.7, h6km, n52,  
r149/50, mb3.9/5, MS3.0/2, 1D, Central California

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

IGIL 13 23:51:22.3, 36.80N, 12.40W, h2km, ML3.4  
NEIC 13 23:51:24.0, 36.90N, 12.18W, MG4.4 (MDD), After MDD.

INMG 13 23:51:25.7, 1.6, 36.81N, 12.31W, h19km, 4.2km, ML2.9,  
Error ellipse: s-maj=40.7km s-min=4.2km az=64.0

LDG 13 23:51:25.4, 0.2, 36.85N, 12.24W, h10km, Md3.6/1, M3.2/4,  
Error ellipse: s-maj=4.6km s-min=3.7km az=52.0

MDD 13 23:51:23.7, 1.3, 36.88N, 12.20W, mb4.5/13, PRRX  
Error ellipse: s-maj=13.8km s-min=10.8km az=61.0, PRRXIMO,  
Azores-Cape St. Vincent Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Lists seismic stations for the Azores-Cape St. Vincent Ridge region.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Lists a large number of seismic stations and their parameters.

IDC 13 23:51:22.3, 30.2, 20.19N, 145.16E, h119km, 27km,  
mb3.7/18, mb1 3.9/20, mb1mx3.8/29, Error ellipse:  
s-maj=19.9km s-min=10.1km az=100.0

NEIC 13 23:51:24.7, 1.2, 20.18N, 145.18E, h143km, 11km, mb2.4/4,  
Error ellipse: s-maj=11.6km s-min=5.6km az=85.0

ISC 13 23:51:23.0, 1.3, 20.18N, 0.05, 145.1E, 0.1, h140km, 13km,  
n47, 0599/48, mb3.8/20, Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Lists seismic stations for the Mariana Islands region.

IDC 14 00:23:20.9, 2.1, 14.04N, 93.77W, mb3.7/2, mb1 4.1/5,

mb1mx3.7/22, ML3.6/3, MS3.0/1, Ms1 3.0/1, ms1mx2.6/22, Error ellipse: s-maj=45.6km s-min=30.2km az=19m, MEX 14 00:23:22.9, 1.6, 13.97N, 94.24W, h166km, MD3.9

NEIC 14 00:23:24.2, 4.1, 13.83N, 93.84W, h30km, 31km, mb3.8/2, Error ellipse: s-maj=20.6km s-min=9.7km az=216.0

ISC 14 00:23:19.7, 3.1, 13.87N, 0.08, 94.18W, 0.06, h27km, 26km, n17, c157/23, mb4.0/3, Off coast of Chiapas

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists various stations like TPX Tapachula, HUIG Huatulco, etc.

ATH 14 00:45:19.1, 38.81N, 23.35E, h23km, 1km, MD2.9/10, ML3.0, THE 14 00:45:20.5, 38.88N, 23.34E, h4km, ML2.9

ISC 14 00:45:19.0, 0.5, 38.78N, 0.02, 23.39E, 0.05, h16km, 7km, n22, c090/34, 1C-2D, Greece

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists various stations like LKR Lokris, NEO Neokhori, etc.

INMG 14 00:47:03.5, 1.3, 34.99N, 4.10W, h15km, 23km, ML2.2, Error ellipse: s-maj=18.3km s-min=4.7km az=178.0

MDD 14 00:47:04.0, 1.2, 35.11N, 4.13W, mb3.6/10, Error ellipse: s-maj=13.7km s-min=5.1km az=15.0, PRXIMO Aftershock/PLICA

ISC 14 00:47:02.7, 0.8, 35.13N, 0.05, 4.18W, 0.04, h10km, n28, c097/45, Strait of Gibraltar

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists various stations like EMEL Mellilla, MELI Mellilla, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like EBAD Badajoz, ESDC Sotese Array, etc.

IDC 14 00:53:47.0, 1.9, 33.38N, 116.38W, mb3.2/1, mb1 3.8/5, mb1mx3.5/22, ML3.7/4, MS3.0/2, Ms1 3.0/2, ms1mx2.6/15, Error ellipse: s-maj=28.3km s-min=11.9km az=47.0

BUI 14 00:53:51.5, 33.57N, 116.80W, h18km, mb4.0, mb4.0, MD4.7, Cuzco

ECX 14 00:53:52.3, 31.3, 33.73N, 116.06W, h13km, MD4.1, ML4.0, NEIC 14 00:53:52.0, 33.71N, 116.06W, h13km, mb3.6/1, ML4.0(PAS), After PAS.

NEIC Felt [I] at Cathedral City, Indio, La Quinta and Mecca; [II] at Coachella, Indian Wells, Palm Desert, Palm Springs, Rancho Mirage and San Diego.

ISC 14 00:53:49.8, 0.7, 33.77N, 0.02, 115.99W, 0.04, h7km, 5km, n51, c114/62, mb3.4/1, MS4.8/2, 5C-7D, Southern California

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists various stations like PFO Pinyon Flat Ob, FRK Frink, etc.

SAO San Andreas Ge 5.37 305 ePn Pn 00 55 12.2 -0.1

CMB Columbia Colle 5.55 321 ePn Pn 00 55 12.4 -2.4

MSJ Marysville 5.65 32 ePn Pn 00 55 11.5 +1.9

WCU Washoe City 6.30 332 Pn Pn 00 55 27.2 +2.2

DUG Dugway 6.90 21 ePn Pn 00 55 34.4 +0.6

SRU San Rafael 6.92 38 ePn Pn 00 55 34.4 +0.4

NLU North Lily Min 6.92 26 Pn Pn 00 55 35.0 +0.9

BEK Beckwourth 7.02 331 Pn Pn 00 55 32.1 -3.4

PV10 Paradox Valley 7.27 49 ePn Pn 00 55 39.0 0.0

LAZ Ladron 7.37 83 ePn Pn 00 55 40.1 -0.3

PV01 Paradox Valley 7.40 52 ePn Pn 00 55 40.5 -0.7

LEN Lemitar 7.53 84 ePn Pn 00 55 39.7 -2.5

ANMO Albuquerque 7.97 79 ePn Pn 00 55 47.7 -1.1

HWUT Hardware Ranch 8.57 23 ePn Pn 00 55 53.9 -3.3

YBH Yreka Blue Hor 9.56 328 Lg Pn 00 56 54.8

GD12 Guadalupe Mountain 9.89 96 ePn Pn 00 56 13.9 -1.4

PDAR Pinedale Array 10.30 27 Pn Pn 00 56 26.8 +5.8

PDAR comp=N,0.0nm,0.3s,baz=220,slow=12,SNR=7.9

LTX Lajitas Array 11.40 109 ePn Pn 00 56 34.6 -1.5

TXAR comp=N,0.3nm,0.3s,baz=290,slow=16,SNR=19

TXAR comp=N,0.1nm,0.3s,baz=283,slow=27,SNR=5.5

TXAR comp=N,99nm,19.3s,baz=315,slow=38,SNR=5.5

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like PATA Patococha, PATA Array, etc.

IDC 14 01:03:07.4, 7.0N, 127.00E, h143km, mb5.1, mb4.7, NEIC 14 01:03:07.7, 7.3, 8.49N, 126.95E, h144km, 37km, mb4.6/6, Error ellipse: s-maj=28.1km s-min=9.3km az=80.0

IDC 14 01:03:09.5, 5.6, 4.73N, 127.12E, h160km, 55km, mb3.6/12, mb1 3.7/12, mb1mx3.6/19, MS2.9/1, Ms1 2.9/1, ms1mx2.5/30, Error ellipse: s-maj=32.4km s-min=12.2km az=82.0

ISC 14 01:03:06.1, 4.4, 4.72N, 0.08, 127.1E, 0.2, h141km, 42km, n23, c099/23, mb4.2/19, Talaud Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists various stations like JOW Kunigami, FITZ Fitzroy Crossi, etc.

DJA 14 01:43:21.6, 0.8, 8.34S, 113.86E, h160km, ML3.7/2, 4C-2D, Error ellipse: s-maj=82.5km s-min=21.2km az=15.0, Jawa

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists various stations like KELI Kelakatan, KEDI Kedomdang, etc.

IDC 14 02:14:18.4, 2.6, 6.66N, 73.16W, h166km, 33km, mb2.8/3, mb1 3.2/4, mb1mx3.0/21, Error ellipse: s-maj=68.1km s-min=24.3km az=71.0

NEIC 14 02:14:22.2, 2.4, 6.43N, 73.63W, h194km, 19km, Error ellipse: s-maj=48.8km s-min=23.3km az=72.0

ISC 14 02:14:21.7, 2.2, 6.51N, 72.73W, 0.3, h205km, 17km, n7, s-maj=37.7, mb3.0/3, Northern Colombia

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists various stations like ROSC El Rosal, OTAV Otavalo, etc.

BUI 14 02:30:07.4, 7.40N, 127.00E, h143km, mb5.1, mb4.7, NEIC 14 02:30:07.7, 7.3, 8.49N, 126.95E, h144km, 37km, mb4.6/6, Error ellipse: s-maj=28.1km s-min=9.3km az=80.0

IDC 14 02:30:09.5, 5.6, 4.73N, 127.12E, h160km, 55km, mb3.6/12, mb1 3.7/12, mb1mx3.6/19, MS2.9/1, Ms1 2.9/1, ms1mx2.5/30, Error ellipse: s-maj=32.4km s-min=12.2km az=82.0

ISC 14 02:30:06.1, 4.4, 4.72N, 0.08, 127.1E, 0.2, h141km, 42km, n23, c099/23, mb4.2/19, Talaud Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists various stations like JOW Kunigami, FITZ Fitzroy Crossi, etc.

IGQ 14 01:11:00.8, 2.64S, 77.48W, h11km, 7km, mb4.3, Error ellipse: s-maj=5.4km s-min=3.6km az=32.5

NEIC 14 01:11:04.4, 1.3, 2.20S, 77.25W, h125km, 13km, mb4.1/1, Error ellipse: s-maj=27.1km s-min=10.7km az=66.0

IDC 14 01:11:04.5, 3.5, 2.21S, 77.30W, h126km, 34km, mb3.4/9, mb1 3.6/11, mb1mx3.5/22, Error ellipse: s-maj=36.4km s-min=14.0km az=65.0

ISC 14 01:11:03.7, 0.7, 2.43S, 0.06, 77.7W, 0.1, h134km, 6km, n37, c094/42, mb3.6/9, 8C-12D, Arcu- Ecuador border region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists various stations like Code Station Name, etc.

NEIC 14 02:45:30.4, 35.74N, 121.07W, h5km, ML3.6(NECDC), After NCEDC.

IDC 14 02:45:33.5, 2.0, 35.99N-120.97W, mb3.4/1, mb1 3.6/4, mb1mx3.4/21, ML3.0/3, MS3.5/1, Ms1 3.4/1, ms1mx2.4/23, Error ellipse: s-maj=21.7km s-min=18.0km az=168.0

ISC 14 02:45:27.0, 1.1, 35.57N, 108.121.2W, 0.1, h5km, n23, r0595/23, mb3.4/1, MS3.4/1, Central California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like LRV, SAC, SAO, LKC, CMB, etc.

IDC 14 02:59:24.5, 16.0, 24.23S, 179.44E, h635km, 227km, mb2.8/5, mb1 3.1/5, mb1mx2.9/14, Error ellipse: s-maj=94.0km s-min=83.5km az=141.0

ISC 14 02:59:24.3, 1.9, 24.23S, 179.44E, 0.4, h650km, n5, r0531/5, mb3.5/5, South of Fiji Islands

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

BUI 14 03:10:01.5, 51.35N-177.56W, h60km, mb4.5, mb4.8, Ms4.4, Ms24.2

NEIC 14 03:10:04.3, 0.5, 51.60N-177.57W, h56km, 2km, mb4.4/24, ML3.7(AEIC), Error ellipse: s-maj=10.2km s-min=3.6km az=180.0

IDC 14 03:10:05.5, 2.9, 51.63N-177.52W, h64km, 23km, mb3.6/19, mb1 3.8/20, mb1mx3.7/29, ML3.4/1, MS3.4/3, Ms1 3.3/3, ms1mx2.8/26, Error ellipse: s-maj=28.4km s-min=11.9km az=6.0

ISC 14 03:10:03.6, 0.7, 51.61N, 0.1, 177.58W, 0.05, h62km, 3km, h56km, 3.1km, pP, n99, r0593/102, mb4.3/42, Andreanof Islands

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

comp=2.2, 3nm, 0.5s, mb4.3, baz=312, slow=4.3, SNR=29

MSU Marysvale 46.49 80 eP P 03 18 25.8 +0.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like PV10, PV01, NJL, etc.

comp=2.5, 0nm, 0.6s, mb4.7

comp=2.7, 9nm, 6.1s

comp=N, 40nm, 10.7s

GTA comp=E, 29nm, 10.6s

LTX comp=2.2, 9nm, 11.0s

ARCES comp=2.2, 8nm, 0.8s, baz=56, slow=5.0, SNR=15

ARCES comp=2.2, 2.6nm, 1.1s, mb4.3, baz=21, slow=1.0, SNR=3.9

ARCES comp=2.2, 2.8nm, 0.8s, baz=56, slow=4.4, SNR=4.3

ARCES comp=2.2, 2.8nm, 0.8s, baz=56, slow=4.4, SNR=4.3

WMQ comp=2.1, 11nm, 0.8s, mb4.9

WMQ comp=2.1, 121nm, 4.5s

MKAR comp=2.3, 9nm, 0.5s, mb5.9, baz=44, slow=6.4, SNR=2.8

BVAR comp=2.0, 7nm, 0.4s, mb4.2, baz=48, slow=7.6, SNR=6.3

BVAR comp=2.1, 1nm, 0.5s, baz=56, slow=5.3, SNR=6.1

PWF comp=2.1, 4nm, 0.9s, mb4.0, baz=6, slow=6.2

NOA comp=2.0, 4nm, 0.5s, mb3.8, baz=346, slow=5.0, SNR=3.4

HFS comp=2.0, 8nm, 0.4s, mb4.1, slow=1.5, SNR=12

GUN comp=2.3, 8nm, 0.4s

PKI comp=2.7, 3nm, 0.4s, mb5.0

GKN comp=2.1, 10nm, 0.6s, mb5.0

DMN comp=2.1, 8nm, 0.4s, mb4.1, slow=1.5, SNR=12

KOL comp=2.0, 4nm, 0.4s, mb3.7, baz=20, slow=5.3, SNR=4.3

BAIF comp=2.0, 4nm, 0.4s, mb3.7, baz=20, slow=5.3, SNR=4.3

GERES comp=2.0, 2nm, 0.3s, mb3.5, baz=31, slow=7.8, SNR=3.5

LDF comp=2.6, 4nm, 0.5s, mb4.5

CDF comp=2.4, 6nm, 0.7s, mb4.2

GRR comp=2.1, 1nm, 1.1s, mb4.7

SMF comp=2.4, 6nm, 0.7s, mb4.2

MFF comp=2.1, 4nm, 1.0s, mb4.1

BGF comp=2.3, 1nm, 0.6s, mb4.2

LPL comp=2.5, 3nm, 0.9s, mb4.3

RJF comp=2.5, 3nm, 0.9s, mb4.3

LFF comp=2.1, 2nm, 0.8s, mb4.0

CFF comp=2.5, 5nm, 0.9s, mb4.4

BRTR comp=2.1, 8nm, 0.7s, mb4.3, baz=18, slow=4.6, SNR=8.9

MTFL comp=2.4, 2nm, 0.7s, mb4.4

ETSF comp=2.4, 2nm, 0.7s, mb4.4

EVO comp=2.1, 9nm, 19.9s, baz=210, slow=38

DBIC comp=2.1, 9nm, 0.4s, baz=85, slow=3.4, SNR=9.3

WEL 14 03:12:49.5, 0.3, 37.115N-176.76E, h248km, 3km, ML3.8/1, 3C-1D, Error ellipse: s-maj=6.5km s-min=4.5km az=90.0, North Island

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

BER 14 03:14:14.1, 2.2, 72.08N, 0.34E, h15km, 157km, ML2.0(NAO)

NAO 14 03:14:20.6, 10.0, 72.49N-2.55E, ML2.0

IDC 14 03:14:17.1, 1.7, 71.84N, 0.67E, mb3.2/3, mb1 3.5/7, mb1mx3.3/23, ML2.8/4, MS2.7/1, Ms1 2.8/1, ms1mx2.0/19, Error ellipse: s-maj=36.7km s-min=17.4km az=4.0, Norwegian Sea

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like JMJC, SPA0, SPITS, etc.

IDC 14 03:19:25.7, 25.0, 22.50S-171.46W, mb4.3/4, mb1 4.4/4, mb1mx3.9/18, Error ellipse: s-maj=48.0km s-min=164.8km az=77.0, Tonga Islands region

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

LJU 14 03:21:37.5, 46.31N-113.64E, h10km, ML2.3

NEIC 14 03:21:37.0, 46.30N-113.64E, h5km, ML2.7(VIE), ML2.3(SZGRF), ML2.2(LJU), Error ellipse: s-maj=4.9km s-min=2.8km az=199.0

PRU 14 03:21:38.0, 46.26N-113.64E

ISC 14 03:21:37.3, 0.2, 46.34N, 0.01x13.65E, 0.01, h5km, m44, r1910/85, 14C-10D, Austria

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

LJU 14 03:21:37.5, 46.31N-113.64E, h10km, ML2.3

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

WEL 14 03:12:49.5, 0.3, 37.115N-176.76E, h248km, 3km, ML3.8/1, 3C-1D, Error ellipse: s-maj=6.5km s-min=4.5km az=90.0, North Island

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

BER 14 03:14:14.1, 2.2, 72.08N, 0.34E, h15km, 157km, ML2.0(NAO)





Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warrungarra Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SGKT Sivrigoyunuk, BALT Daday, MDU Mudurnu, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, WRA Warrungarra Arr, FINES FINESS Array B, etc.

ORF 14 07:22:35.3, 17.79S:179.43E, h30km, mb6.0
MOS 14 07:22:59.8, 1.0, 15.30S:174.99W, h24km, mb5.0/11,
Error ellipse: s-maj=16.3km s-min=13.5km az=119.8
IDC 14 07:23:02.7, 41.15, 43.3S:175.02W, h256km, 30km,
mb4.3/23, mb1.4/3.24, mb1mx4.3/28, Error ellipse:
s-maj=14.4km s-min=11.6km az=128.0
BUJ 14 07:23:05.2, 14.82S:174.71W, h281km, mb4.6, mb4.7
NEIC 14 07:23:05.8, 0.2, 15.43S:175.07W, mb4.7/31, Error
ellipse: s-maj=8.3km s-min=4.9km az=143.0
SYO 14 07:23:05.7, 15.43S:175.07W, h285km, MB4.7
ISC 14 07:23:04.3, 0.2, 15.49S:175.06W, h284km,
h284km, 1.8km, p-P, n240, 0.95/132, mb4.7/70, 8C-15D,

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like RAR Rarotonga, URZ Urewere, TVO Taravao, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CTA Charters Tower, PMG Port Moresby, CNB Canberra Magne, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like AS12 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like FX1 Attu Island-F, UNV Unalaska Valle, JUN Nakatsue, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like HUMO Hull Mountain, KDKAD Kodiak Island, NVAR Mina Array Bea, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like JAW Hawaiki, EYAK Cordova Ski Ar, GBL Gable Mountain, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ANM Nome, CN2 Changchun, MSU Marysvalle, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like HLID Halley, MPU Maple Valley, HPU Hansel Canyon, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like NEW Newport, PV10 Paradox Valley, PV01 Animo, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like GDL2 Guadalupe Mount, COLA Colaba, COLA Colaba, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like IMA Indian Mountain, KSWY Kelly School, QLMT Earthquake Lak, etc.

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

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, LZH Lanzhou, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like LSH Lanzhou, SYO Syowa Base, VNA2 Neumayer-Watz, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like VNA1 Neumayer-Stat, SONM Songino Array, SONM Songino Array, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ARU Arti, KEV Kevo, ARCES ARCES Array B, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like JOF Kangasniemi, KAF Kangasniemi, FINES FINESS Array B, etc.



Table with columns: BRTR, Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Keskin Array B, GIVF Givet, and various other frequencies.

Table with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Pauzhetka, Severo-Kuril's, and various other frequencies.

Table with columns: UGLR, Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Avacha, Nalytchevo, Koryakya, and various other frequencies.

Table with columns: MKAR, Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Makanchi Array, Chkalovo, Borovoye, and various other frequencies.



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

ROM 14 09:54:51.7, 0.1, 46.30N-13.59E, h8km, 1km, MD2.4/2, ML1.7/2, Error ellipse: s-maj=0.4km s-min=0.3km az=90.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Robic, Cadrq, Drenchia, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Coli, GMNA, BAD, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Ljuj, KBA, CEP, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MXZ, PUZ, MWZ, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ALID, SKR, PAU, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PET, KOK, AVH, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ILAR, INK, MKAR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like YOJ, YOF, IRIS, etc.

NEIC 14 10:47:17.8, 1.2, 51.58N-16.20E, h5km, ML3.0(SZGRF), ML2.6(CLL), ML2.4(BRG), Error ellipse: s-maj=13.6km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KSP, KKP, KSK, etc.

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

IDC 14 10:47:27.5, 2.6, 30.17S-177.09W, mb4.2/5, mb1 4.2/6, mb1mx3.8/11, Error ellipse: s-maj=65.7km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Urewera, URZ, CTA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like JTS, TEIG, LTX, etc.

CASC 14 11:02:11.2, 1.8, 13.84N-91.31W, h46km, 16km, MD3.8, ML3.6

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

NEIC 14 11:49:45.8, 0.3, 5.94N-94.63E, mb4.7/9, Error ellipse: s-maj=12.9km s-min=5.3km az=50.0

IDC 14 11:49:46.2, 0.8, 5.96N-94.78E, h78km, 6km, mb4.1/20, mb1 4.2/21, mb1mx4.1/26, MS2.4/1, MS2.6/1, ms1mx2.4/24, Error ellipse: s-maj=29.3km s-min=9.0km az=51.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like IPM, NNT, CM31, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KKN, GKN, KOLN, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WRA, WB2, HIA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like MLR Muntele Rosu, JOF Joensuu, FINES FINESS Array B, etc.

IDC 14 11:52:26.8, 16.0, 20.43S; 174.14W, mb4.2/5, mb1 4.3/5, mb1mx3.9/18, Error ellipse: s-maj=312.0km s-min=152.1km az=82.0, Tonga Islands

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

NEIC 14 12:08:32.6, 3.9, 30.31S; 179.25W, h242km, 29km, mb4.1/5, Error ellipse: s-maj=402.0km s-min=12.8km az=222.0

IDC 14 12:08:43.7, 3.3, 30.86S; 179.74W, h330km, 31km, mb3.5/9, mb1 3.8/11, mb1mx3.7/17, Error ellipse: s-maj=25.2km s-min=18.1km az=19.0

ISC 14 12:08:43.9, 1.0, 31.02S; 0.07x179.99W, 1.1, h338km, 10km, n85, c142/67, mb3.8/11, 7C-2D, Kermadec Islands region

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like MXZ Matakaoa Point, URZ Urewera, URZ Urewera, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like ARCES ARCES Array B, JOF Joensuu, KAF Kangasniemi, etc.

LJU 14 12:26:14.5, 46.32N; 13.63E, h7km, ML2.4 NEIC 14 12:26:14.8, 0.4, 46.35N; 13.61E, h5km, ML2.7(VIE), ML2.7(LJU), ML2.5(FUR), ML2.2(SZGRF), Error ellipse: s-maj=5.2km s-min=3.5km az=186.0

PRU 14 12:26:15.1, 46.32N; 13.61E ISC 14 12:26:15.2, 0.2, 46.35N; 0.01x13.64E, 0.02, h5km, n43, c111/76, 8C-15D, Austria

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like CADS Cadrq, ROBS Robic, LSR Lussari, etc.

NEIC 14 12:45:36.0, 7.0, 72.43N; 2.01E, h10km, Error ellipse: s-maj=19.0km s-min=12.1km az=222.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like JMJC Jan Mayen, HSP Hornsund, LOF Lofoten, etc.

IDC 14 12:50:54.0, 6.2, 22.58S; 177.44W, mb3.8/5, mb1 4.0/5, mb1mx3.8/16, Error ellipse: s-maj=263.0km s-min=33.7km az=149.0, South of Fiji Islands

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

IDC 14 12:52:55.0, 9.0, 4.39N; 144.37E, mb3.8/6, mb1 4.1/6, mb1mx3.9/15, MS3.3/1, Mst 3.3/1, ms1mx2.6/23, Error ellipse: s-maj=45.1km s-min=22.2km az=101.0

ISC 14 12:52:55.1, 1.0, 4.4N; 0.1, 144.4E, 0.3, h10km, n10, c0949/7, mb3.7/6, MS3.2/1, Eastern Caroline Islands region

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

IGL 14 13:04:45.3, 38.20N; 8.80W, h0km, ML2.4 INMG 14 13:04:46.9, 1.4, 38.27N; 8.83W, h7km, 4km, ML2.0, Error ellipse: s-maj=4.6km s-min=2.4km az=79.0

MDD 14 13:04:46.9, 0.5, 38.27N; 8.83W, h12km, 1km, mbLg2.2/13, Error ellipse: s-maj=4.6km s-min=2.9km az=76.0, PRXMO ISC 14 13:04:45.3, 0.7, 38.27N; 0.03, 8.80W; 0.05, h11km, 4km, n26, c1922/38, Portugal

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like MOE Montemor, LOU Loures, PLOU Loures, etc.

Table with columns: ECAB, comp, N, S, 3m, 0.4s, 2.67, 93, Pn, Pn, 13 05 28.6 -0.5, etc.

WEL 14 13:26:43.5:0.3, 36.905x178.08E, h42km, 6km, ML3.8/2, 1C, Error ellipse: s-maj=2.7km s-min=1.9km az=90.0, East off coast of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, MXZ, Matakaoa Point, 0.69, 165, Op, P, ISC, etc.

STR 14 13:32:04.2:0.7, 46.78N, 1.98W, h5km, 1km, ML3.0, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

LDG 14 13:32:06.5:0.1, 46.64N, 1.92W, h3km, Md2.5/1, ML2.4/12, Error ellipse: s-maj=3.1km s-min=1.3km az=42.1

NEIC 14 13:32:06.5, 46.64N, 1.92W, h3km, ML2.8(STR), ML2.4(LDG), After LDG

ISC 14 13:32:04.8:0.7, 46.69N, 0.03x1.85W, 0.05, h11km, 5km, n15, c1513/32, France

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, LRVF, La Roche-sur-Y, 0.23, 118, Op, P, ISC, etc.

DJA 14 13:35:38.8:0.9, 8.725N, 117.31E, h135km, 9km, MD4.6/4, ML4.2/3, 1C-3D, Error ellipse: s-maj=49.9km s-min=22.7km az=0.0, Sumbawa region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, KEDI, Kedomdongs, 1.21, 281j, eP, G, etc.

IDC 14 13:54:18.6:7.4, 22.87N, 93.60E, h79km, 54km, mb3.1/3, mb1.3/2.4, mb1mx3/0/17, ML3.3/1, Error ellipse: s-maj=201.0km s-min=22.4km az=59.0

ISC 14 13:54:17.4:1.3, 23.21N, 0.2x93.8E, 0.2, h83km, n18km, n10, c087/11, mb3.3/3, Myanmar-India border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, SHL, Shillong, 3.07, 325, eP, P, etc.

IDC 14 14:25:46.6:1.2, 35.08N, 69.58E, mb3.7/9, mb1.3/8/11, mb1mx3.7/2/1, ML3.4/2, Error ellipse: s-maj=36.5km s-min=21.5km az=44.0

BUI 14 14:25:48.9:35.04N, 69.21E, h41km, mb4.2, mb4.0, ML3.9, MS3.4, MSz3.2

NEIC 14 14:25:48.0:0.7, 35.10N, 69.64E, h10km, mb4.1/6, Error ellipse: s-maj=15.9km s-min=6.5km az=49.0

ellipse: s-maj=15.9km s-min=6.5km az=49.0 NNC 14 14:26:15.3:4.4, 37.76N, 68.84E, mpv3.5, Error ellipse: s-maj=49.0km s-min=43.8km az=159.0

ISC 14 14:25:53.9:1.2, 35.22N, 0.06:69.5E, 0.1, h64km, 12km, n31, c1511/34, mb3.6/10, 3C-2D, Hindu Kush region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, CEP, Cherat, 2.03, 124, Op, P, ISC, etc.

IDC 14 14:36:00.7:0.7, 34.84N, 61.75E, mb4.2/22, mb1.4/3/25, mb1mx4.3/28, ML4.1/2, MS3.6/6, Ms1 3.6/6, ms1mx3.2/23, Error ellipse: s-maj=19.0km s-min=12.5km az=23.0

BUI 14 14:36:02.6:0.3, 34.89N, 61.85E, h10km, mb4.6/21, Error ellipse: s-maj=8.5km s-min=4.8km az=203.0

NEIC One-ridge and five houses damaged in western Herat. MOS 14 14:36:04.5:1.0, 34.90N, 61.79E, h33km, mb4.4/14, Error ellipse: s-maj=13.9km s-min=9.5km az=110.2

NNC 14 14:36:10.6:2.3, 35.75N, 62.30E, Error ellipse: s-maj=29.1km s-min=17.9km az=144.0

ISC 14 14:36:02.1:2.0, 35.01N, 0.05:61.89E, 0.05, h15km, 13km, n99, c1920/103, mb4.4/41, MS3.6/8, 5C-4D, Turkmenistan-Afghanistan border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, VANN, Vannovskaya, 4.23, 315, Pn, Pn, etc.

Table with columns: ARU, Arti, 21.54, 355, eP, P, 14 40 53.2 +0.6, BRTR, Keskin Array B, 22.89, 290, P, P, etc.



Table with columns: YBH, ULM, ULM, CPUP, PLCA, BDFB, FCC, SCHQ, SCHQ, DLBC, YKA, YKA, SML, INK, ILAR, QSPA, VNOA, ASAR, WRA, CMAR, CMAR. Includes station names, coordinates, and various codes.

MAN 14 17:22:15.0, 17.56N, 120.42E, h33km, mb3.9, ML2.7, MS2.3, 1C, Luzon

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like ABRA, APYF, BCPH, BOLP, CVP, CAUP, BALP.

IDC 14 17:59:11.0, 2.8, 12.31N, 49.36E, mb3.7/2, mb1 3.8/3, mb1mx3.4/16, ML3.7/1, Error ellipse: s-maj=97.6km

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

PGC 14 18:01:39.7, 58.18N, 133.69W, h1km, ML3.3/2, Near Mt. Oden, British Columbia - Alaska border

IDC 14 18:01:43.3, 1.1, 58.28N, 133.39W, mb2.9/1, mb1 3.5/5, mb1mx3.3/22, ML2.9/4, Error ellipse: s-maj=14.4km

IDC 14 18:01:40.8, 0.9, 58.47N, 0.06:133.4W, 0.1, n17, 0.19/18, mb2.9/1, Southeastern Alaska

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like DLBC, DLBC, DLBC, DLBC, DLBC, WHY, WHY, WHY, WHY, FNBB, FNBB, DAWY, DAWY, FSB, FSB, BMBC, BMBC, BBB, BBB, ILAR, ILAR, ILAR, INK, INK, INK, YKA, YKA, YKA, YKW3, YKW3, NVAR, NVAR.

MAN 14 18:10:24.9, 11.55N, 125.86E, h10km, mb4.2, ML3.0, MS2.8, 1D, Samar

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like BESP, BESP, OCLP, CNP, MSLP, SCPH, PVCP, GUMJ, PAGID.

NEIC 14 18:12:29.2, 37.87N, 21.87E, h11km, mb3.8/2, ML3.6(ATH), After ATH

ATH 14 18:12:29.2, 37.87N, 21.87E, h11km, 3km, MD3.8/17, ML3.6

IDC 14 18:12:35.2, 1.4, 37.77N, 22.01E, h67km, 21km, mb3.4/8, mb1 3.5/15, mb1mx3.5/29, Error ellipse: s-maj=20.7km

s-min=1.1, 0km az=25.0, Putative timing error at EIL, ISC 14 18:29:5.0, 3, 37.91N, 0.02, 21.93E, 0.03, h10km, n70, 0.138/84, mb3.7/8, 2D, Southern Greece

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like ITM, EVR, MKIT, VLS, LKR, LKR, NSAL, NAIG, NAIG, ATH, ATH, VLI, VLI, MPA, MPA, NEO, XOR, KYTH, KYTH, MEV, MEV, LIT, LIT, KZN, PAIG, PAIG, THE, THE, OUR, OUR, APE, APE, GRG, GRG, WAM, WAM, THRS, THRS, THRS, THRS, LOS, LOS, THRI, THRI, LIA, LIA, KNT, KNT, SRS, SRS, IDI, IDI.

NEIC 14 19:31:36.3, 35.14N, 24.07E, h10km, MD3.6(ATH), After ATH

ATH 14 19:31:36.3, 35.14N, 24.07E, h10km, 2km, MD3.6/6, ISC 14 19:31:37.4, 3, 35.2N, 0.3, 24.2E, 0.1, h10km, 14km, n11

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like NVR, TIR, TIR, MMB, MMB, QSH, QSH, NPS, NPS, KKB, KKB, SKO, SKO, TIP, TIP, RZN, RZN, ALN, ALN, KUZ, KUZ, TDS, TDS, TDS, TDS, ORI, ORI, MGR, MGR, SLCN, SLCN, MRLC, MRLC, SGO, SGO, SGO, VAE, VAE, MLR, MLR, BRTR, BRTR, GERES, GERES, EIL, EIL, AKASE, AKASE, ESDC, ESDC, HFS, HFS, FINES, FINES, NORSAR, NORSAR, EKA, EKA, JOF, JOF, ARCES, ARCES, CHKZ, CHKZ, MKAR, MKAR, SONM, SONM.

IDC 14 18:25:07.2, 2.8, 2.75S, 101.98E, h106km, 24km, mb3.6/9, mb1 3.8/9, mb1mx3.6/16, Error ellipse: s-maj=27.6km

NEIC 14 18:25:06.5, 7.2, 6.23S, 102.10E, h192km, 54km, mb3.9/2, Error ellipse: s-maj=30.8km, s-min=9.5km, az=56.0

IDC 14 18:25:05.3, 4.4, 2.6S, 0.2, 102.0E, 0.2, h108km, 40km, n15, 0.093/13, mb3.9/11, Southern Sumatera

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like CMAR, CMAR, CMAR, FITZ, FITZ, WRA, WRA, ASAR, ASAR, STKA, STKA, SONM, SONM, MKAR, MKAR, KURK, KURK, CHKZ, CHKZ, KMBO, KMBO, VNOA, VNOA, VNOA, VNOA, CPUP, CPUP, BDFB, BDFB.

IDC 14 18:25:07.2, 2.8, 2.75S, 101.98E, h106km, 24km, mb3.6/9, mb1 3.8/9, mb1mx3.6/16, Error ellipse: s-maj=27.6km

NEIC 14 18:25:06.5, 7.2, 6.23S, 102.10E, h192km, 54km, mb3.9/2, Error ellipse: s-maj=30.8km, s-min=9.5km, az=56.0

IDC 14 18:25:05.3, 4.4, 2.6S, 0.2, 102.0E, 0.2, h108km, 40km, n15, 0.093/13, mb3.9/11, Southern Sumatera

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like CMAR, CMAR, CMAR, FITZ, FITZ, WRA, WRA, ASAR, ASAR, STKA, STKA, SONM, SONM, MKAR, MKAR, KURK, KURK, CHKZ, CHKZ, KMBO, KMBO, VNOA, VNOA, VNOA, VNOA, CPUP, CPUP, BDFB, BDFB.

OTT 14 19:07:47.6, 0.1, 53.01N, 67.04W, MN2.8/8, Blast, Labrador City, Ni Mining explosion, Labrador

SCHO Schefferville 1.83 4 Phase ID Time Res ISC

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

Table with columns: MNQ, MNQ, MNQ, SMO, SMO, SMO, ICCQ, ICCQ, ICCQ, CNO, CNO, CNO, GSO, GSO, GSO, LG4O, LG4O, LG4O, LMQ, LMQ, LMQ, DRNL, DRNL, DRNL, LMO, LMO, LMO, SILO, SILO, SILO.

NEIC 14 19:31:36.3, 35.14N, 24.07E, h10km, MD3.6(ATH), After ATH

ATH 14 19:31:36.3, 35.14N, 24.07E, h10km, 2km, MD3.6/6, ISC 14 19:31:37.4, 3, 35.2N, 0.3, 24.2E, 0.1, h10km, 14km, n11

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like YAM, NPS, KYTH, THRE, THRS, THRS, SANT, THRI, VAI, VAI, ITM.

IDC 14 19:39:12.7, 1.2, 4.28S, 134.09E, mb3.9/5, mb1 4.2/10, mb1mx4.1/15, ML3.8/5, MS3.3/3, Ms1 3.4/3, ms1mx2.9/19, Error ellipse: s-maj=41.6km, s-min=19.8km, az=69.0

NEIC 14 19:39:17.4, 0.6, 4.33S, 134.16E, h35km, mb3.9/3, Error ellipse: s-maj=15.6km, s-min=9.5km, az=63.0

IDC 14 19:39:15.7, 2.4, 0.07, 134.1E, 0.1, h45km, 22km, n17, 0.128/23, mb3.8/6, MS3.2/1, Irian Jaya region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like KAKA, KAKA, PMG, PMG, PMG, WRA, WRA, FITZ, FITZ, FITZ, FITZ, AS12, AS12, AS12, ASAR, ASAR, CTA, CTA, CTA, CTA, NWAO, NWAO, CMAR, CMAR, SONM, SONM, MKAR, MKAR, MAW, MAW.

BUI 14 19:40:30.8, 63.30N, 151.70W, h92km, mb4.4, mb4.6

NEIC 14 19:40:34.9, 62.99N, 150.86W, h121km, mb4.1/2, After AIC

IDC 14 19:40:35.5, 0.8, 63.20N, 150.92W, h130km, 7km, mb3.7/14, mb1 3.8/19, mb1mx3.7/27, Error ellipse: s-maj=11.4km

IDC 14 19:40:33.3, 0.2, 63.01N, 0.02, 150.88W, 0.05, h131km, 2km, h129km, 1.5km, pp-P, n121, 0.091/135, mb4.0/20, Central Alaska

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists stations like TRF, KTH, KTH, HUR, CUT, RND, SKT, SKT, MCK, MCK, BWN, PWA, GHO, DHY, PMR, PMR, SML, SML, NENA, CRP, CP2, PMS.

Table with columns: ID, Name, Azimuth, Elevation, P, S, R, and other parameters. Includes stations like Fire Island, Mount Spurr, Chakamaka La, etc.

Table with columns: ID, Name, Azimuth, Elevation, P, S, R, and other parameters. Includes stations like Fire Island, Mount Spurr, Chakamaka La, etc.

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THE 14 19:59:51.0, 40.99N, 22.44E, h10km, ML2.2
ATH 14 19:59:58.1, 40.94N, 23.06E, h10km, MD3.2/3
ISC 14 19:59:49.8, 1.0, 41.03N, 0.04, 22.39E, 0.06, h3km, gkm, n11, c071/18, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Azimuth, Elevation, P, S, R, and other parameters. Includes stations like Grg, Knt, The, Soh, Fln, Srs, Lit, Plg, Imp, Shl, Sll, Lha, Cma, Pki, Kkn, Dmn, Gkn, Kol, Mka, Wra, Asa.

NEIC 14 20:14:47.0, 1.2, 24.00N, 94.37E, h134km, 17km, Error ellipse: s-maj=32.4km, s-min=11.1km, az=224.0
IDC 14 20:14:50.3, 5.3, 24.25N, 95.12E, h155km, 36km, g2/9,3, mb1 3.0/4, mb1mx2.8/19, Error ellipse: s-maj=193.0km, s-min=19.5km, az=60.0
ISC 14 20:14:44.9, 0.9, 24.1N, 0.2, 94.5E, 0.1, h124km, gkm, n12, c15/17/14, mb3.3/3, Myanmar-India border region

Table with columns: Code, Station Name, Azimuth, Elevation, P, S, R, and other parameters. Includes stations like Karatay Array, Ab31, Bva0, Bvar, Brvk, Brvk, Mka, Kkz, Kur, Aru, Lsa, Fines, Sonm, Cma, Wra, Asa.

Error ellipse: s-maj=1.2km, s-min=1.1km, az=173.0
MDD 14 21:13:07.8, 0.2, 43.12N, 0.67W, h10km, mbLg1.7/1.1
Error ellipse: s-maj=2.7km, s-min=1.3km, az=17.0, PRXIMO
ISC 14 21:13:05.5, 0.3, 43.25N, 0.02, -0.61W, 0.02, h8km, n41, c124/66, Pyrenees

Table with columns: Code, Station Name, Azimuth, Elevation, P, S, R, and other parameters. Includes stations like Ate, Revf, Ordiar, Larra, Etsaut, Fdfaf, Fdfaf, Ste Jean, Osses, Labassere, Viey, Viey, Ealk, Ealk, Eppf, Eppf, Resf, Resf, Resf, Melf, Melf, Melf, Salu, Salu, Esac, Esac, Ecri, Ecri, Ecri, Lff, Lff, Carf, Emir, Emir, Mtlf, Mtlf, Mtlf, Elan, Elan, Valf, Epop, Epop, Epop, Caf, Caf, Caf, Rjf, Rjf, Rjf, Ejon, Ejon, Ejon, Emos, Emos, Emos, LASF, LASF, Mff, Mff, Tcf, Tcf, Bgf, Bgf.

ROM 14 21:40:17.3, 0.2, 46.31N, 13.63E, h10km, MD2.4/4, ML1.6/3, Error ellipse: s-maj=1.4km, s-min=1.2km, az=90.0
LJU 14 21:40:18.3, 46.31N, 13.61E, h9km, ML2.0
PRU 14 21:40:19.8, 46.33N, 13.63E
ISC 14 21:40:18.4, 0.3, 46.33N, 0.02, -13.63E, 0.02, h1km, gkm, n35, c09/92, 8C-60, Austria



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

1DC 14 21:56:20.5, 0.5, 1.18S, 123.91E, mb4.4/22, mb1 4.5/23, mb1 mx4.5/24, ML4.7/1, MS3.8/9, Ms1 3.8/9, ms1mx3.6/26, Error ellipse: s-maj=24.4km s-min=11.8km az=65.0

MOS 14 21:56:25.1+2.2, 1.56S, 123.71E, h39km, mb4.8/13, Error ellipse: s-maj=23.1km s-min=11.6km az=110.8

BJJ 14 21:56:27.7, 1.61S, 123.79E, h87km, mb4.7, mb4.8, Ms4.3, Ms3.8

NEIC 14 21:56:30.6, 1.6, 1.42S, 123.69E, h74km, mb4.6m, mb4.7/20, Error ellipse: s-maj=18.1km s-min=9.7km az=65.0

ISC 14 21:56:29.1, 1.2, 1.30S, 0.0S-123.90E, h79km, 171km, n108, c1940/107, mb4.6/53, 5D, Sulawesi

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.

1DC 14 22:33:18.7, 3.3, 8.80S, 121.65E, h65km, 31km, mb3.4/4, mb1 3.7/7, mb1mx3.6/14, ML3.7/3, Error ellipse: s-maj=62.4km s-min=12.2km az=58.0

ISC 14 22:33:17.0, 3.6, 8.85, 0.2, 121.7E, 0.2, h70km, 36km, n9, c056/12, mb3.6/4, Flores region

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

NIED 14 22:39:00.31, 0.0N, 130.30E, h145km, Mw4.0 Best double couple: M9.71x1014 NP1.9x183, 885, -1.79. NP2: phi=295, 612, -1.157

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes entries for JMA, NEIC, BUI, ISC, and various station codes like JSU, JTSR, JTKR, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes entries for URZ, CTA, ASAR, WARR, FITZ, VANDA, NOUC, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes entries for ZIIG, CMIG, EVV, LVIG, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes entries for ASAJ, ENH, CD2, SO, COMR, MKAR, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes entries for STKA, AS12, STKA, ASAR, WRA, WRA, KAKA, FITZ, FITZ, SBA, VANDA, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes entries for SOH, SOH, PLG, THE, SRS, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes entries for HEL, BER, and various station codes like KUA, NIKU, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes entries for RMW, TXAR, PV01, ILAR, PDAR, MKAR, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes entries for ALN, ALN, EVR, BOZC, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Contains station data for various regions like Alaska, Hawaii, and the Pacific.

NAO 15 01:14:06.8z-2.6, 67.82N-20.00E, ML2.3
HEL 15 01:14:07.7z-0.2, 67.84N-20.16E, ML2.0, ML2.2(UPP),
ML.1.9(BER), Explosion
BER 15 01:14:10.2z-2.6, 67.82N-20.15E, ML1.9, ML2.3(NAO),
Suspected explosion

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Contains station data for Alaska, Hawaii, and the Pacific, including specific event codes like SGF and LOF.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Contains station data for Taiwan, including event codes like TAW, EAST, ECL, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Contains station data for Kaoshiung, Jiashin, Lidau, etc.

NEIC 15 01:26:56.8, 39.20N-21.39E, h33km, MD3.2(ATH), After
ATH.
ATH 15 01:26:56.8, 39.20N-21.39E, h33km, 8km, MD3.2/3
THE 15 01:26:57.9, 39.25N-21.39E, h10km, ML2.7
ISC 15 01:26:57.3-0.6, 39.21N-21.03-21.35E, 0.05, h10km, n9,
r131/15, Greece

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Contains station data for Greece, including stations like Evrytania, Metsovon, etc.

LDG 15 01:27:43.3-0.0, 46.41N-2.63E, h4km, Md1.7/3, MI1.7/6,
Error ellipse: s-maj=1.1km s-min=0.6km az=134.0
STR 15 01:27:44.9-0.8, 46.35N-2.64E, h2km, 1km, MI1.7, Error
ellipse: s-maj=0.0km s-min=0.0km az=1.0
ISC 15 01:27:41.8-0.4, 46.41N-0.22-2.59E, 0.2, h11km, 3km,
n12, r0878/34, France

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Contains station data for France, including stations like Bois d'Agland, TCF, etc.

ISC 15 01:43:15.8z-3.6, 35.18N-120.31W, mb1 3.6/3,
mb1mx3.3/21, ML3.3/3, Error ellipse: s-maj=44.8km
s-min=19.0km az=76.0
NEIC 15 01:43:22.6, 35.32N-119.43W, h1km, ML3.5(PAS), After
PAS.

ISC 15 01:43:20.1z 0.8, 35.23N-119.51W-0.07, h1km, n28,
r104/29, Central California

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Contains station data for Central California, including stations like Mount Wilson, Little Rabbit, etc.

ISC 15 02:11:22.1z 0.3, 31.49N-0.09z-179.4E, 0.2, h430km, 1km,
n33, r139/35, mb3.5/4, 3C, Kermadec Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Contains station data for Kermadec Islands region, including stations like Puz, Matawai, etc.

JMA 15 02:35:13.2z 0.1, 24.84N-122.43E, h106km, M2.1
TAP 15 02:35:14.1, 24.93N-122.40E, h86km, 1km, ML3.1
ISC 15 02:35:13.1z 2.7, 24.7N-122.4E-0.1, h109km, 23km, n5,
r034/9, Taiwan region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Contains station data for Taiwan region, including stations like YOJ, IRIF, etc.

THE 15 02:41:21.7, 4.0, 69N-23.41E, h1km, ML2.3
ATH 15 02:41:21.4, 4.0, 68N-23.50E, h13km, MD2.9/3
ISC 15 02:41:20.9z 0.5, 40.68N-0.03z-23.41E, h14km, 6km,
n10, r034/18, 1C, Greece

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Contains station data for Greece, including stations like SOH, POLY, etc.

ROM 15 02:47:02.0z 0.3, 46.30N-13.61E, h10km, MD2.7/4,
ML2.2/3, Error ellipse: s-maj=2.3km s-min=2.1km az=90.0
LJU 15 02:47:03.1, 46.32N-13.61E, h9km, ML2.3
NEIC 15 02:47:03.0z 0.3, 46.30N-13.61E, h5km, MD2.7(ROM),
ML2.8(VIE), ML2.5(LJU), ML2.3(SZGRF), Error ellipse:
s-maj=4.8km s-min=3.1km az=206.0
PRU 15 02:47:04.2, 46.32N-13.62E
ISC 15 02:47:02.8z-0.2, 46.34N-0.01z-13.63E, 0.02, h1km, 4km,
n54, r1907/92, 12C-11D, Austria

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Contains station data for Austria, including stations like ROBS, CADR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time Res, h m s, Res ISC. Contains station data for various locations like Trieste, Forni Avoltri, Obir, Ljubljana, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time Res, h m s, Res ISC. Contains station data for various locations like Makanchi Arroy, Elion Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time Res, h m s, Res ISC. Contains station data for various locations like Ngaruhoeh, Ngukuh, etc.



15d 4h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like NVAR, MNV, SNY, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MAW, ENH, DUG, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KMI, CM31, CMAR, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SONM, BOD, NATX, YKA, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like CPUP, JHANSI, BHPL, AGRA, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like T12, ORN, UMR, FOO, etc.

Table of astronomical observations for the 15d 4h period. Columns include object name, RA/Dec, magnitude, and various observation codes (PKPdf, etc.).

Table of astronomical observations for the 15d 4h period, continuing from the previous table. Includes objects like QuRS, UZH, ASHF, etc.

Table of astronomical observations for the 15d 4h period, continuing from the previous tables. Includes objects like ESKT, ZFRi, YL, etc.



Table with columns: TIC, DBIC, DBIC, DBIC, DBIC, DBIC, DBIC, DBIC, DBIC, DBIC. Includes station names like Toumudi, Dimbokro, and various technical parameters.

NEIC 15 04:27:12.6.0.1, 17.64S:178.62W, h560km, mb5.5/6.9, Error ellipse: s-maj=6.0km s-min=4.3km az=137.0

Main table on the left side containing station codes (e.g., OUZ, WIZ, KUZ, MTAZ), station names, and various data points including coordinates and technical specifications.

Main table in the middle containing station codes (e.g., IPIL, RPN, AOP, ATRP), station names, and various data points including coordinates and technical specifications.

Main table on the right side containing station codes (e.g., WVOR, SPU, TUC, ASR), station names, and various data points including coordinates and technical specifications.

15d 4h

Table with columns for team name, score, and other statistics. Includes teams like INK, CCHI, HBKS, HKT, NATX, etc.

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Table with columns for team name, score, and other statistics. Includes teams like ARU, SCO, LVO, etc.

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Table with columns for team name, score, and other statistics. Includes teams like BADT, HGN, BUD, etc.



15d 4h

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Table with columns for location, time, and status. Includes entries like MNV Mina, CORVALLIS, LDFC Landfair, etc.

Table with columns for location, time, and status. Includes entries like DUG Big Grassy Mou, MCKINLEY, North Lily Min, etc.

Table with columns for location, time, and status. Includes entries like HRY Great Sand Dun, SDCCO, Puerto Ayora, etc.



Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for IDC 15:05:26:18.8, 46.0, 15.00S:172.66W, mb4.0/3, mb1 4.2/3, mb1mx3.7/17, Error ellipse: s-maj=896.0km, s-min=180.5km az=78.0, Samoa Islands.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for STKA Stephens Creek 44.85 240, WRA Warrungarra Arr 50.63 256, ASAR Alice Springs 50.91 252.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for ORF 15:05:29:40.4, 17.79S:179.43E, h30km, mb5.6, BUI 15:05:30:34.6, 17.84S:177.90W, h591km, mb5.2, mb4.9.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for DZM Mont Dzumac 14.4 251, NOUC Port Laguerre 14.57 251, URZ Uhera 20.18 199.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for KHZ Kahura 25.19 193, RPZ Rata Peaks 27.02 196, LBZ Lake Benmore 27.87 197.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for CTA Charters Tower 33.06 261, CNB Canberra Magne 33.06 232, PMG Port Moresby 34.11 280.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for WBA Warrungarra Arr 44.23 260, WRA Warrungarra Arr 44.24 260, WRA Warrungarra Arr 44.24 260.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for AS12 Alice Springs 44.40 254, ASAR Alice Springs 44.40 254, ASAR Alice Springs 44.40 254.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for KAKA Kakadu 47.25 269, FITZ Fitzroy Crossi 52.64 261, FITZ Fitzroy Crossi 52.64 261.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for CBJI Chichi jima 58.67 319, NWAO Narogin (SRO) 58.83 242, NWAO Narogin (SRO) 58.83 242.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for MA2 Magadan 81.20 345, BJT Baijituang 83.59 316, BJI Baijituang 83.60 316.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for MAW Mawson 83.63 200, MAW Mawson 83.63 200, MAW Mawson 83.63 200.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for ENH Enshi 84.02 304, MCK McKinley 84.73 13, COLA College 85.96 13.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for ILAR Eielson Array 86.08 13, ILAR Eielson Array 86.08 13, ILAR Eielson Array 86.08 13.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for TXAR Lajitas Array 86.37 58, ANMO Albuquerque 86.46 52, ANMO Albuquerque 86.46 52.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for HHC Hu-ho-hao-te 87.08 315, DAWY Dawson 87.29 16, KMI Kunming 87.55 297.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for SYO Syowa Base 88.97 193, SYO Syowa Base 88.97 193, YAK Yakutsk 89.94 338.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for SNAA Sanae 90.50 179, SNAA Sanae 90.50 179, LZHZ Lanzhou 90.66 308.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for LZHZ Lanzhou 90.66 308, LZHZ Lanzhou 90.66 308, LZHZ Lanzhou 90.66 308.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for VNA2 Neumayer-Watz 91.09 177, VNA2 Neumayer-Watz 91.09 177, VNA2 Neumayer-Watz 91.09 177.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for ELDT Eldivan 144.37 316, BRTR Keskin Arr B 144.59 314, BRTR Keskin Arr B 144.59 314.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for NIE Niedzica 145.08 338, CRVS Cervenica-Dubn 145.09 336, KSP Ksiaz 145.11 343.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for MOX Moxa 146.40 348, MOX Moxa 146.40 348, MOX Moxa 146.40 348.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for PSZ Piszkesteto 146.49 337, NKT Novy Kostel 146.62 347, ZST Bratislava 147.22 340.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for GEC2 GERESS Array S 147.62 345, GEC2 GERESS Array S 147.62 345, GEC2 GERESS Array S 147.62 345.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for GERV GERESS Array B 147.62 345, GERV GERESS Array B 147.62 345, GERV GERESS Array B 147.62 345.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for GIVF Givet 147.86 356, BAIF Baives 147.94 356, BAIF Baives 147.94 356.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for FUR Furstenfeldbru 148.82 347, BFO Black Forest 149.21 351, BFO Black Forest 149.21 351.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for CDF Champ du Feu 149.28 352, FLRN La Foliniere 149.30 2, GRR Gorron 149.66 3.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes entries for HAU Haudompre 149.79 353, HIN Hinterfeld 149.92 352, VISS Visnje 150.35 341.

ROM 15:05:54:10.6:0.3, 46.28N:13.65E, h10km, MD2.4/4, ML2.2/2, Error ellipse: s-maj=2.7km, s-min=2.0km az=90.0, LJU 15:05:54:11.2, 46.30N:13.63E, h7km, ML2.3, NEIC 15:05:54:11.5:0.3, 46.31N:13.66E, h5km, MD2.4(ROM), MO2.7(VIE), ML2.4(LJU), Error ellipse: s-maj=4.6km, s-min=3.1km az=194.0, PRU 15:05:54:12.0, 46.29N:13.63E, ISC 15:05:54:11.0:0.2, 46.32N:0.02:13.67E:0.02, h1km, 7km,

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Includes stations like Cadrj, Robic, Drenchia, Lussari, Patocco-Chiusa, Gemona, GMA, GMNA, Bernadia, Buia, Bardano, Paularo, Monte Prat, Zouplan, Talmassons, Trieste, Ljubljana, Forni Avottri, Mainisio, Koelnbreinsper, Dobrina, Gros Grobnik, Cresnjevce ost, Bojanc, Vinica-Bojanc, Golise, Gorinj Cirnik, Arzberg, Mollin, Wattenberg, Novajla, Kasperske Hory, Colim.

IDC 15 05:55:54.0.2.0, 12.77N, 93.01E, mb3.5/4, mb1 3.7/5, mb1mx3.5/19, ML3.5/1, Error ellipse: s-maj=55.5km

NEIC 15 05:55:55.6.1.1, 12.76N, 93.04E, h10km, mb4.2/2, Error ellipse: s-maj=22.7km s-min=17.4km az=50.0

ISC 15 05:56:01.7.1.3, 13.0N, 0.1.93.4E, 0.2, h68km, 18km, n8, 0.0619/m, mb3.76, Andaman Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Includes stations like Port Blair, Chiang Mai Arr, Ensh, MKAR, Sonm, BVAR, CHKZ, WRA, WATTENBERG, BFO, CDF, FLN, LDF, ROSS, RORF, SGFM, HAU, HIN, LOR, SSF, MAF, BGF, TCF, ORIF, MBDF, VIVF.

NEIC 15 06:26:57.1.0.2, 17.62S, 178.90W, h560km, mb4.2/4, Error ellipse: s-maj=11.0km s-min=6.6km az=140.0

SYO 15 06:26:57.0, 17.62S, 178.90W, h560km, MB4.2, IDC 15 06:27:00.3.2.4, 17.57S, 179.03W, h595km, 28km, mb3.5/17, mb1 3.7/17, mb1mx3.7/22, Error ellipse: s-maj=59.9km s-min=9.9km az=152.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Includes stations like Mont Dzumac, Port Laguerre, Urewera, Rata Peaks, Charters Tower, Charters Tower, Canberra Magne, Port Moresby, Toolangi, Stephens Creek, Stephens Creek, Warramunga Arr, Warramunga Arr.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Includes stations like Alice Springs, Alice Springs, Alice Springs, KAKA, FITZ, KLBR, SBA, VNSA, VNSA, MAJO, QSPA, MDJ, CMB, YBH, NVAR, TPH, PMR, ENSH, MAW, MAW, MCK, NEW, COLA, ILAR, DLBC, DLBC, TXAR, ANMO, PDAR, SDCO, CMAR, SYO, SNA, INK, INK, MKAR, BVAR, ARCES, AKAS, BRTR, DPC, CLL, CLL, Dobrauska-Polom, BRG, PVCC, KHC, GRA1, GE2, GERS, GERS, GIVF, BAF, BAF, CDF, FLN, LDF, ROSS, RORF, SGFM, HAU, HIN, LOR, SSF, MAF, BGF, TCF, ORIF, MBDF, VIVF.

OTT 15 06:29:38.9.0.1, 46.49N, 81.16W, h1km, MN3.5/28, 1C, Mining event, Sudbury, Ontario Mining induced, Ontario

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Includes stations like Sudbury Onapin, TOBO, TOBO, KLB, KLB, Eeldee, BUKO, BUKO, CLWO, CLWO, ALGO, ALGO.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC. Includes stations like Kirklund Lake, SADO, BRCC, BRCC, CRLO, CRLO, BANO, BANO, LINO, LINO, PEMP, PEMP, ELGO, ELGO, PKRO, PKRO, ACTO, ACTO, VAL, VAL, KAPO, KAPO, TORO, TORO, DELO, DELO, PLYO, PLYO, WESLEYVILLE, WESLEYVILLE, TYNO, TYNO, STCO, STCO, HGVO, HGVO, MALO, MALO, GRQ, GRQ, OTRO, OTRO, MPP, MPP, PTCO, PTCO, MEDO, MEDO, PECO, PECO, OTT, OTT, OTT, OTT, GAC, GAC, GAC, GAC, PNP, PNP, WBO, WBO, ALFO, ALFO, ALFO, ALFO.

Table with columns: TRQ, Mont Tremblant, 4.58 91, PN, Pn, 06 30 48.7, -2.2, etc. Includes stations like Pelee Island, Geradlton, Montreal, Binghamton, Saint Jean, Lac des Isle M, Mont Orford, Victor Mine, Lac Daran, Jewell Farm, Misere, Atikokan Iron, La Malbaie, Sainte Mathild, Riviere Ouelle, Saint Simeon, Pickle Lake, Saint Andre, Sioux Lookout, Sutton Inlier, La Grande 4, Experimental L, Manicouagan, Baie Comeau, Red Lake, Grosses Roches, Pointe Anglis, Saint George, Clarke City, Lac du Bonnet, Caledonia Moun, Schefferville, Fort Churchill.

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res, ISC. Includes stations like Mitsune, Chiji, TK02, Ise, JRY, WRA, ASAR, BVAR, ARCES, NEIC 15 06:47:25.1±1.8, 31.44S:69.26W, h10km, Error ellipse: s-maj=23.5km s-min=10.7km az=62.0, GUC 15 06:47:23.8±0.8, 31.38S:69.49W, h162km±11km, MD3.5, CMCH Combarbala, 1.31 279, I/P, S, P, 06 47 00.0, +0.4, etc. Includes stations like Combarbala, Mendoza, Tololo Astrono, Papudo, Peldehue, Farellones, La Serena, Cerro Calan, Antumapu, Chadas Angostu, Vallenar, Longovilo, MARH Ras Al Marh, TOH, QASN, BRBR, HWQ, BHL, HRI, KSDI, KSH, BIDA, TCHB, MATL, KFRA, HNTI, WRDH, MMLI, HAF, HMDT, OFRI, SLTI, ARNB, BTCH, COBT, GZT, FUNV 15 07:00:47.4, 10.86N:62.33W, h66km, MW2.7, TRN 15 07:00:47.3, 10.95N:62.14W, h95km, MD3.1, ISC 15 07:00:45.7±0.8, 10.88N:0.05±62.38W±0.03, h81km±9km, n12, e090/23, 1C-4D, Near coast of Venezuela, GUVI, GUVI, TCE, CRUV, CRUV, ITEV, GUNV, GUNV, TRN, TRN, TPP, GRW, GRW, IBAV, CUPV, CUPV, BIRV, CAOV, NLC, NLC.

Table with columns: UGLR, Ugllovaya, 0.19 288, eP, P, 07 21 44.8, +0.5, etc. Includes stations like Sedlovina, Somma, Avacha, Petropavlovsk, Koryaka, Mys Shipunski, Karymsinskiy, Russkaya, Gorelyy, Ganaly, Apacha, Malaya Ipe'l'ka, Mys Kozlova, Pauzhetka, Tumrok, Kamenistaya, Esso, Kozogirevsk, Logynova, Severo-Kuril's, Alaid, Sredinnyy, Klyuchi, Krutoberegovo, Krutoberegovo, Bki, Bki, KASHIR, KASHIR, Karatay Array, DANGSING, KOLN, GOROKHA, KAKANI, DAMAN, PULCHOKI, GUNGA, MAKANCHI ARRAY, KARANCHI ARRAY, WMQ, WMQ, WMQ, WMQ, WMQ, WMQ, KURK, KURK, VOSK, BVAO, BVAR, BRVK, BRVK, AB31, CHKZ, CHKZ, ARU, ARU, SONM, ULN, CMAR, FINES, MDJ, MDJ, ILAR, WRA, YKA.

ADC 15 06:42:00.5±2.6, 30.43N:140.53E, mb3.7/4, mb1 3.9/4, mb1mx3.5/21, Error ellipse: s-maj=139.0km s-min=25.1km az=78.0, JMA 15 06:42:46.1±0.1, 30.14N:139.65E, h469km, M3.4, ISC 15 06:42:47.0±0.8, 30.0N:0.2±139.3E±0.5, h446km±16km, n9,



YKA Yellowknife Ar 82.18 5 P P 07 37 25.1 +0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Limon Verde, Antofagasta, Cerro Paranal, La Paz, Copiapó, Villa Florida, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PAIG Paliouri, OUR Ouranopolis, PLG Polygyros, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RDO Rodhopi, KZN Kozani, MPAZ Parnis Oros, VAY Valandovo, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TPX Tapachula, CCIG Comitán, SCX San Cristobal, etc.

IDC 15 08:04:1.9.3.8, 49.49N-156.51E, mb3.4/3, mb1 3.7/3, mb1mx3.4/21, Error ellipse: s-maj=127.0km s-min=34.9km az=175.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SKR Severo-Kuril's, ALID Alaid, PAU Pauzhetka, etc.

IDC 15 08:08:40.2:1.6, 16.36Sx178.67W, mb4.1/6, mb1 4.5/6, mb1mx4.1/15, Error ellipse: s-maj=152.0km s-min=21.1km az=151.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PMG Port Moresby, STKA Stephens Creek, WB2 Warramunga Arr, etc.

IDC 15 08:15:56.7:6.9, 17.51Sx177.57W, mb4.1/3, mb1 4.4/3, mb1mx3.9/14, Error ellipse: s-maj=297.0km s-min=36.7km az=142.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TOO Toalangi, STKA Stephens Creek, WBA Warramunga Arr, etc.

HRVD 15 08:18:25.7:0.6, 35.89Nx70.48E, h51km,5km, MW5.4/35, Centroid moment Tensor Solution. LP body waves: s4,c4; Mantle waves: s35,c50; Half duration: t22 Moment tensor: Scale 10^17Nm; Mw: 6.0; M0: 3.2; Ms: 0.79; 21; Mw: 1.2; Mw: 1.6; Mw: 0.63; Mw: 1.5; Mw: 0.59; Mw: 0.9; Mw: 0.53; Mw: 1.0; Best double couple: Mw: 1.51x10^17; NP1=126; 854; 119; NP2=25; 874; 143; Principal axes: T 1.52, Plg37, Azm339; N - 0.2, Plg50; Azm185; P - 1.51, Plg13; Azm79; nsta1 refers to body waves, cutoff=40.5 nsta2





Table with columns for station code, name, frequency, power, and other technical details. Includes stations like GRF, MNS, NB2, NOA, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like FRF, ORIF, BAIF, JNU, KBS, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like EADA, ELUO, MTE, EBAD, EMIN, etc.





Table with columns: Station, Frequency, Power, Class, and various metrics. Includes stations like FCC Fort Churchill, BNM Barren Site, KANSA State U, etc.

Table with columns: Station, Frequency, Power, Class, and various metrics. Includes stations like SFJM Santa Fe, ELN Prospectville, BINY Binghamton, etc.

Table with columns: Station, Frequency, Power, Class, and various metrics. Includes stations like SKR comp=N,1um,6.0s, SKR comp=E,1um,6.0s, etc.





Table with columns for location, time, and performance metrics. Includes entries for Grafenberg Arr, Avril sur Loir, Bois d'Agland, etc.

Table with columns for location, time, and performance metrics. Includes entries for MORC, OKC, Ostrava-Krasne, etc.

Table with columns for location, time, and performance metrics. Includes entries for GUMO, BOB, AUTN, etc.



Table with columns: ILAR, Eielson Array, 62.54 337 P, P, 12 19 38.1 -2.0, etc. Includes stations like Eielson Array, Eskaelmeir Ar, Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like Yonaguni jima, Iriomote-Funau, Kuro-shima, Ishigaki jima.

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like Kluang, Ipoh, Kelakatan, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like Kluang, Ipoh, Kelakatan, etc.

Table with columns: KOLN, Koldanda, 38.19 328 eP, P, 12 46 08.4 -1.5, etc. Includes stations like Koldanda, Port Moresby, Stephens Creek, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like Sao Teotônio, Sao Teotônio, Beja, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like Sao Teotônio, Sao Teotônio, Beja, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like Sao Teotônio, Sao Teotônio, Beja, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like Sao Teotônio, Sao Teotônio, Beja, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like Sao Teotônio, Sao Teotônio, Beja, etc.

Table with columns: IL1, Eielson Array, 1.25 19 P, P, 13 22 48.4 +0.6, etc. Includes stations like Eielson Array, College, Murphys Dome, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like Eielson Array, College, Murphys Dome, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like Eielson Array, College, Murphys Dome, etc.

15d 15h

Table with columns: LZB, GOBB, BIB, PGC, PGC, WPB, OCWA, SNN, SNN, VGZ, WSLR, HNB, HDW, VDB, VDB, LON, MOCB, VIB, RUBB, NDB, SSOR, HAWA, DPW, HUMO, YBH, HLID, MSU, FFC, PV10, SDCO, GUC, NEIC, ISC, Code, Station Name, Az, Phase ID, Time, Res, ISC. Contains station data for Mount Lazard, Galiano Island, Bowen Island, Sidney, Estevan Point, Brooks Peninsula, Woss, Maynard, Gold River, Butte Lake, Port Hardy, Holberg, Newcastle Ridge, Mount Ozzard, Campbell River, Alberni, Mount Grey, Texada, Port Renfrew, Nainaimo Lost L, Secheit, Galiano Island, Bowen Island, Sidney, Petorca, Illapel, Peldehue, Jahuel, Santiago, Colegio Aleman, Antumapu, Cerro Calan, Pirque, Chadas Angostu, Combarbala, El Canelo, Los Melosas, San Fernando, Cipreses, Los Niches, Talca, Tololo Astrono.

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Table with columns: TLL, CCHI, VNA2, IDC, ISC, Code, Station Name, Az, Phase ID, Time, Res, ISC. Contains station data for Chillan, Neumayer-Watz, and various island stations like Galiano Island, Bowen Island, Sidney, Estevan Point, Brooks Peninsula, Woss, Maynard, Gold River, Butte Lake, Port Hardy, Holberg, Newcastle Ridge, Mount Ozzard, Campbell River, Alberni, Mount Grey, Texada, Port Renfrew, Nainaimo Lost L, Secheit, Galiano Island, Bowen Island, Sidney, Petorca, Illapel, Peldehue, Jahuel, Santiago, Colegio Aleman, Antumapu, Cerro Calan, Pirque, Chadas Angostu, Combarbala, El Canelo, Los Melosas, San Fernando, Cipreses, Los Niches, Talca, Tololo Astrono.

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Table with columns: RUBB, FSB, NDB, NEW, BMBC, HUMO, YBH, DLBC, HLID, NVAR, PDAR, MVU, ILAR, ULM, SHL, PKI, KKN, DMN, GKN, KOLN, MKAR, WRA, ASAR, NEIC, ISC, Code, Station Name, Az, Phase ID, Time, Res, ISC. Contains station data for Prince Rupert, Fort Saint Jam, Naden, Newport, Bull Mountain, Hull Mountain, Treka Blue Hor, Dease Lake, Hayley, Manna Array, Marysvale, Elarsy Array, Lac du Bonnet, Shillong, Pulchoki, Katak, Daman, Gorkha, Koldana, Makanchi Array, Warramunga Arr, Alice Springs, Limon Verde, Limon Verde, Limon Verde, Otavalo, Villa Florida, CPUP, TROA, PLCA, BDFB, VNA1, VNA2, SNAa, QSPA, VVDA, VVDA, ASAR, WRA, MKAR, SONM, URZ, ASAR, WRA, FINES, CADS, ROBS, DRE, LSR, PTCC, PTCC. Contains station data for Prince Rupert, Fort Saint Jam, Naden, Newport, Bull Mountain, Hull Mountain, Treka Blue Hor, Dease Lake, Hayley, Manna Array, Marysvale, Elarsy Array, Lac du Bonnet, Shillong, Pulchoki, Katak, Daman, Gorkha, Koldana, Makanchi Array, Warramunga Arr, Alice Springs, Limon Verde, Limon Verde, Limon Verde, Otavalo, Villa Florida, CPUP, TROA, PLCA, BDFB, VNA1, VNA2, SNAa, QSPA, VVDA, VVDA, ASAR, WRA, MKAR, SONM, URZ, ASAR, WRA, FINES, CADS, ROBS, DRE, LSR, PTCC, PTCC.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like PTCC Colorado, GMNA Gemona, GMNA Bernadia, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like TRI Trieste, FVI Forni Avoltri, FVI Forni Avoltri, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like MLNI Malnisio, KBA Koelnbreinsper, CEY Cerknica, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like BOJS Bojanci, VBY Vinica-Bojanci, GOLS Golise, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like NVLJ Novaja, MOTA Moosalm, KHC Kasperske Hory, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like PTEO Sao Teonito, PALC Alcoutim, EGRO El Granado, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like LRU Lussari, PATCC Patocco-Chiusa, COLI Colorado, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like PLRO Paularo, PVI Forni Avoltri, FVI, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like YSS Yuzh-Sakhalins, YSS, YSS, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like YSS Yuzh-Sakhalins, YSS, YSS, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like UGL Ulgogorsk, UGL, UGL, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like KUR Kuril'sk, KUR, KUR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like JSE Soyaes, JSE, JWK2 Keihoku, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like YUK Yuzh-Kuril'sk, YUK, YUK, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like JRA Rausu, JRA, JTKR Abashiri-Toko, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like JOM Ohasama, JMK Ichinoseki, JKL Kul'dur, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like MAJ Matushiro, MAI Matushiro, MAT Matushiro, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like MA2 Magadan, MA2, MA2, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like MA2 Magadan, MA2, MA2, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like YAK Yakutsk, YAK, YAK, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like YAK Yakutsk, YAK, YAK, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like YAK Yakutsk, YAK, YAK, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like YAK Yakutsk, YAK, YAK, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BV10, DPC, MORC, CLL, BRTR, etc.

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

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

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

IDC 15 16:03:53.5:5.0, 16.425x176.08W, mb4.0/3, mb1 4.2/3, mb1mx3.8/15, Error ellipse: s-maj=163.0km s-min=98.0km az=159.0, Fiji Islands region

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

BUI 15 16:19:00.5, 1.16Sx127.35E, h35km, mb5.0, mb5.1, Ms4.5, Ms2.4

MOS 15 16:19:06.8:0.4, 3.34S:126.82E, h33km, mb5.2/20, Error ellipse: s-maj=17.2km s-min=7.7km az=106.5

HRVD 15 16:19:09.4:0.6, 0.19S:126.63E, h21km, 1km, MW4.9/3.5, Centroid moment Tensor Solution. LP body waves.

NEIC 15 16:19:09.3:1.4, 0.33S:126.86E, h36km, 12km, mb5.1/4.9, Error ellipse: s-maj=8.4km s-min=4.9km az=72.0

ISC 15 16:19:06.3:1.3, 0.36S:103.126.89E:0.05, h26km, gkm, n176, e11903/183, mb5.0/78, MS3.8/16, 8C-14D, Southern Iliulua Sea

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

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

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

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

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ENH, ADE, KS15, etc.

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

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

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

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

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

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

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

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

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









Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like ESK, JOF, AB31, ARU, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like IMA, FFC, ILAR, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like BDRM, YER, ARG, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Nanjing, Beijing, Songlino Array, etc.

Table with columns: ILAR, pmax, pmax. Includes stations like Inuvik, Dease Lake, Yellowknife Arr, etc.

Table with columns: KHC, Kasperseke Hory, GERS, GRESS Array B, etc. Includes stations like Boqueron, Picacho, El Faro, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Makanchi Array, Kurchatov, Karatay Array, Vostochyana, etc.

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

PRU 16 02:46:10.1, 0.50, 22N, -18.74E
WAR 16 02:46:09.4, 50.27N, 18.86E, h1km, Location given by Central Institute of Mining, origin time based upon OJC, Poland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Ojcow, Ostrava-Krasne, Niedzica, Dobruska-Polom, Ksiaz, Vyhne, Smolence, etc.

BER 16 02:55:11.5, 3.2, 78.30N, 8.37E, MD2.3, ML2.8, ML2.4(NAO)

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Kingsbay, Spitsbergen Ar, Hornsund, ARCESS Array S, etc.

DJA 16 03:18:13.3, 1.0, 8.44S, -115.13E, h99km, g9km, MD5.6/3, ML3.1/1, 3D, Error ellipse: s-maj=42.6km s-min=9.3km az=15.0, Bail region

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

STR 16 03:22:05.0, 0.1, 42.86N, 0.25E, h5km, 1km, ML2.4, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

LDG 16 03:22:06.0, 0.1, 42.88N, 0.24E, h3km, MD2.3/6, ML2.0/3, Error ellipse: s-maj=1.6km s-min=1.0km az=7.0

MDD 16 03:22:06.0, 0.2, 42.87N, 0.25E, mbLg1.5/8, Error ellipse: s-maj=2.4km s-min=1.5km az=16.0, PRXIMO

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Les Forges d'A, Salau, etc.

Table with columns: ATE, Arette, CSOR, Sort, etc. Includes stations like Organya, Ste Jean, San Caprasio, etc.

NEIC 16 03:25:17.0, 0.36, 86N, 89.18W, h4km, MD3.5(CERI), MW3.5(SLM), After CERI.

NEIC Felt (IV) at Bardwell and (III) at Clinton, Kentucky. Also felt (III) at Charleston and East Prairie, Missouri.

IDC 16 03:25:18.2, 1.9, 37.04N, 89.01W, mb3.8/1, mb1.3/9.5, mb1mx3.6/24, ML3.5/4, Error ellipse: s-maj=33.0km s-min=14.5km az=143.0

ISC 16 03:25:15.0, 0.3, 36.94N, 0.03, h4km, n45, r152/55, mb3.6/1, 1C, New Madrid region, Missouri

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like University of Saint Louis, Portageville, Halls, French Village, etc.

MOS 16 03:27:13.0, 0.9, 13.39N, 120.28E, h10km, mb5.2/25, MS4.5/15, Error ellipse: s-maj=17.0km s-min=7.2km az=114.0

MAN 16 03:27:14.9, 13.23N, 119.72E, h14km, BUJ 16 03:27:16.4, 13.00N, 120.40E, h54km, mb5.3, mb5.1, Ms4.8, Msz4.6

IDC 16 03:27:17.2, 2.2, 13.35N, 120.19E, h22km, 13km, mb4.6/27, mb1.4/7/28, mb1mx4.7/29, ML3.3/1, MS4.2/15, Ms1.4/3/15, ms1mx4.1/26, Error ellipse: s-maj=18.8km s-min=10.5km az=71.0

HRVD 16 03:27:19.2, 0.5, 13.46N, 119.96E, h21km, 1km, MW5.0/49, Centroid moment Tensor Solution. LP body waves: s27.c41; Mantle waves: s49.c75; Half duration: 0 Moment tensor: Scale 10^10Nm; Mr=2.20s; Lr=17.0s; Ms=2.6s; Lr=17.0s; Mw=0.37; Lr=13; Mw=2.36; Lr=21; Mw=0.48; Lr=07; Mw=1.16; Lr=27; Best double couple: Mw=3.58x10^16 NP1=phi=83, delta=24, lambda=117; NP2=phi=292, delta=9, lambda=79. Principal axes: T, 3.73; P, 1.73; N, 1.73; Azm121; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 16 03:27:19.2, 0.2, 13.32N, 120.17E, mb5.0/58, MS4.3/12 Error ellipse: s-maj=5.5km s-min=4.1km az=78.0

NEIC Felt (I) PIVIS at Puerto Galera. ISC 16 03:27:18.1, 0.4, 13.25N, 0.02, h44km, 3km, h40km, 7km, pP-P, n258, r109/274, mb4.9/96, MS4.4/42, 15C-8D, Mindoro

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Lubang, Tagaytay City, Coron, San Jose, etc.

Table of flight information for 2004 JUL, columns include flight number, destination, time, status, and other details.

Table of flight information for 2004 JUL, columns include flight number, destination, time, status, and other details.

Table of flight information for 16d 3h, columns include flight number, destination, time, status, and other details.

Table of astronomical observations for 16d 5h, including stations like PRU, BRG, CLL, etc., with columns for station name, time, and residuals.

Table of astronomical observations for 2004 JUL, including stations like CADR, DRE, LSR, etc., with columns for station name, time, and residuals.

Table of astronomical observations for 332, including stations like CBJ, WRA, YKA, etc., with columns for station name, time, and residuals.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like San Vicente, La Ceiba, El Faro, Brisas, Boqueron, San Blas.

NEIC 16 06:04:02.0, 45.11S; 165.98E, h139km, After WEL. WEL 16 06:04:13.0, 0.2, 45.07S; 167.15E, h5km, ML3.8/7.5C, Error ellipse: s-maj=2.0km s-min=1.2km az=90.0, South Island

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Deep Cove, Mavora Lakes, Wether Hill, Alexandra, Tuapeka, Tuapeka, Lake Benmore, Otahua Downs, Rata Peaks, Rata Peaks, Waitaha Valley, Waikaha Valley, McQueen's Vall, Lake Taylor, Lake Taylor, Denniston Nort, Tophouse, Quartz Range, Nelson.

JMA 16 06:08:01.0, 0.2, 43.69N; 147.36E, h26km, M3.5, Kuril Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Nemuro 2, Rausu, Nakash, Akkeshi, Abashiri-Toko, Ashorobuto, Onbetsu, Churui, Urakawa-nobuka.

IDC 16 06:21:02.2, 4.6, 16.40S; 175.03W, mb3.8/4, mb1 4.1/4, mb1mx3.7/1.5, Error ellipse: s-maj=200.0km s-min=36.0km az=137.0, Tonga Islands

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

IDC 16 06:22:47.5, 3.3, 34.86N; 23.93E, mb3.8/3, mb1 3.7/5, mb1mx3.5/2.2, ML3.8/2, Error ellipse: s-maj=52.8km s-min=13.9km az=171.0, NEIC 16 06:22:48.6, 34.80N; 23.88E, h5km, MD3.5(ATH), After ATH.

ATH 16 06:22:48.6, 34.80N; 23.88E, h5km, MD3.5/4. NEIC 16 06:22:45.2, 4.3, 34.6N; 0.2, 23.9E; 0.1, h10km, n10, +1940/10, mb3.6/3, Crete

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Gavdhos, Varnos, Anoyia, Kithira, Vellai, Gerres Array B, Malin Array Be, Hagfors, NORARS Array B, Mikancchi Array.

NEIC 16 06:24:07.0, 3.9, 19.87S; 177.85W, h506km, 4.3km, mb4.1/3, Error ellipse: s-maj=21.7km s-min=15.3km az=62.0, IDC 16 06:24:09.2, 2.8, 19.91S; 177.88W, h530km, 32km, mb3.9/10, mb1 3.5/11, mb1mx3.4/17, Error ellipse: s-maj=20.0km s-min=14.7km az=159.0, NEIC 16 06:24:06.9, 2.4, 19.95S; 0.1, 177.8W; 0.1, h513km, 32km, n20, +081/19, mb3.8/13, 1C-2D, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Urewera, Rata Peaks, Charters Tower, Stephens Creek, Alice Springs, Alice Springs, Vanda, Vanda, South Pole Qui, South Pole Qui.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Mina Array Bea, MAW Mawson, TXAR Lajitas Array, ILAR Eielson Array, SNAASanae, VNA2 Neumayer-Watz, VNA1 Neumayer-Stat, AKASG Malin Array Be, GERES Gerres Array B.

IDC 16 07:06:05.0, 3.0, 23.46S; 177.47W, mb3.6/3, mb1 3.9/3, mb1mx3.7/1.4, MS3.2/1, Ms1 3.2/1, ms1mx3.0/16, Error ellipse: s-maj=276.0km s-min=36.0km az=163.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like RAR Rarotonga, ASAR Alice Springs, WRA Warramunga Arr, TXAR Lajitas Array.

IDC 16 07:17:55.6, 0.6, 25.61S; 13.74W, mb4.4/16, mb1 4.4/16, mb1mx4.4/19, MS4.6/20, Ms1 4.6/20, ms1mx4.5/24, Error ellipse: s-maj=21.0km s-min=15.7km az=157.0, HRVD 16 07:17:57.2, 0.2, 25.78S; 13.64W, h12km, MW5.3/6/4, Centroid moment Tensor Solution. LP body waves: s50, c83; Mantle waves: s64, c123; Half duration: 1#1 Moment tensor: Scale 1017Nm; M=0.19e-02; Mw=0.41; Ms=0.12; M0=0.19e-05; Best double couple: M=1.24x1017 NP1=78°, 381°, λ=1°, NP2=168°, 889°, λ=171°, Principal axes: T=1.34, Pg6°, Azm303°; N=-19, Pg81°, Azm174°; P=1.15, P17°, Azm33°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 16 07:17:57.2, 0.2, 25.75S; 13.75W, h10km, mb4.7/23, MS4.7/12 Error ellipse: s-maj=7.3km s-min=5.3km az=113.0, IDC 16 07:17:55.4, 0.3, 25.55S; 0.06, 13.75W; 0.08, h10km, n88, +0972/69, mb4.5/31, MS4.6/29, 3C, Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Tsumeb, Tsumeb, Tsumeb, Sutherland, SUR, SUR, SUR, LIC Lamto, LIC Lamto, KIC Kosan Boka, TIC Toumoudi, BIC Dimbokro, DBIC, BDFB Brasilia, BDFB Lobatse, LBTB, CPUP Villa Florida, CPUP Villa Florida, CPUP Villa Florida, LSZ Lusaka, LSZ Lusaka, TRQA Torquist, VNA1 Neumayer-Stat, VNA2 Neumayer-Watz, VNA2 Neumayer-Watz, SNAASanae, PLCA Paso Flores, PLCA Paso Flores, PLCA Paso Flores, LVC Limon Verde, LVC Limon Verde, LPAZ La Paz, LPAZ La Paz, LPAZ La Paz, ARE Areqipa, PCRV Puerto La Cruz, PCRV Puerto La Cruz, MAW Mawson, MAW Mawson, GSPA South Pole Qui, GSPA South Pole Qui, ESDC Rosca Array, ROSC El Rosal, SJG San Juan, ETSF Etsaft, SJFJ Ste Jean, EYF Esparrros, MTLF Montlieu, LMR La Moure, LASF Ste Croix, FRF La Foret Royal, SMF Simiane la Rot, CAF Calviac, VIVF Saint-Julien.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Eilat, ORIF Oris-en-Rattie, MBDF Montbard, MFF Saint Martin, TCF Toux Ste Croi, LPL La Plagne, SMF Signal de Mont, AVF Avril sur Loire, SSF Saint Saule, CACB La Chapelle, LOR LOR, LOR LOR.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like GRR Jabal al Asfar, DAVOX Davos, HAU Haudompre, HAU Haudompre, SBA Scott Base, BAIF Baize, GIVF Givet, VVDA Vanda, VVDA Vanda, VVDA Vanda, VVDA Vanda, GERES Gerres Array B, GRA1 Grafenberg Arr, GRA1 Grafenberg Arr, KHC Kasperske Hory, KHC Kasperske Hory, BRTR Keskin Arr, BRTR Keskin Arr, NKNC Novy Kostel, NKNC Novy Kostel, PSZ Pyszkesteto, PSZ Pyszkesteto, VYHS Vyshne, VYHS Vyshne, PRU Pruhonice, PRU Pruhonice, DPC Dobruska-Polom, DPC Dobruska-Polom, OKC Ostrava-Kran, OKC Ostrava-Kran, CRVS Cervenica-12b, CRVS Cervenica-12b, AKASG Malin Array Be, AKASG Malin Array Be, AKASG Kongsberg, AKASG Kongsberg, NB2 NORARS Subarra, NB2 NORARS Subarra, NB2 NORARS Subarra, NOA NORARS Array B, NOA NORARS Array B, NOA NORARS Array B, SCHO Schefferville, SCHO Schefferville, FINES Fines Array B, FINES Fines Array B, JMIC Jim Mayen, JMIC Jim Mayen, TRM Tromso, TRM Tromso, TXAR Lajitas Array, TXAR Lajitas Array, KBS Kingsbay, KBS Kingsbay, SONM Songjo Array, SONM Songjo Array, ILAR Eielson Array, ILAR Eielson Array.

CASC 16 07:49:33.8, 2.0, 12.08N; 86.93W, h74km, 11km, MD4.0, ML4.5, NEIC 16 07:49:34.1, 0.6, 12.39N; 86.52W, Error ellipse: s-maj=51.7km s-min=10.1km az=56.0, IDC 16 07:49:34.0, 7.2, 12.43N; 86.43W, h90km, 6km, mb3.2/4, mb1 3.7/5, mb1mx3.4/19, Error ellipse: s-maj=69.4km s-min=8.5km az=56.0, IDC 16 07:49:33.0, 0.3, 12.11N; 0.05, 86.90W; 0.05, h86km, 5km, h91km, 1.8km; p-P, n55, +086/72, mb3.4/5, 8C-16D, Nicaragua

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PYN Poneleya, COPN Copalpete, LEON Leon, MIRN Miramir, CNNG Cerro Negro, MOMM Momotombo, MOMM Momotombo, TEL3 Telica 3, TEL3 Telica 3, TELN Telica 3, APYN Apoyeque, APYN Apoyeque, XAVN Gruta Xavier, XAVN Gruta Xavier, CRUN El Crucero, CRUN El Crucero, APON San Cristobal, APON San Cristobal, MGAN Managua, MGAN Managua, MGAN Managua, TICN Ticutape, TICN Ticutape, WILN Americas 2, WILN Americas 2, WILN Americas 2, MASN Masaya, MASN Masaya, SJFN Cofrada, SJFN Cofrada, COFN Cofre de Perla, COFN Cofre de Perla, APON Apoyo, APON Apoyo, PYTN Playitas, PYTN Playitas, PYTN Playitas, CONN Concepcion, CONN Concepcion, CNCH Conchagua, CNCH Conchagua, CRZC Cruz Verde, CRZC Cruz Verde, BLML Bellmaria, BLML Bellmaria.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like GVD Gavdhos, YAM Varnos, ANOY Anoyia, KITH Kithira, VELL Vellai, GERES Gerres Array B, AKASG Malin Array Be, HFS Hagfors, NOA NORARS Array B, MKAR Mikancchi Array.

NEIC 16 06:22:48.6, 34.80N; 23.88E, h5km, MD3.5/4. NEIC 16 06:22:45.2, 4.3, 34.6N; 0.2, 23.9E; 0.1, h10km, n10, +1940/10, mb3.6/3, Crete

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like GVD Gavdhos, YAM Varnos, ANOY Anoyia, KITH Kithira, VELL Vellai, GERES Gerres Array B, AKASG Malin Array Be, HFS Hagfors, NOA NORARS Array B, MKAR Mikancchi Array.

NEIC 16 06:24:07.0, 3.9, 19.87S; 177.85W, h506km, 4.3km, mb4.1/3, Error ellipse: s-maj=21.7km s-min=15.3km az=62.0, IDC 16 06:24:09.2, 2.8, 19.91S; 177.88W, h530km, 32km, mb3.9/10, mb1 3.5/11, mb1mx3.4/17, Error ellipse: s-maj=20.0km s-min=14.7km az=159.0, NEIC 16 06:24:06.9, 2.4, 19.95S; 0.1, 177.8W; 0.1, h513km, 32km, n20, +081/19, mb3.8/13, 1C-2D, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Urewera, Rata Peaks, Charters Tower, Stephens Creek, Alice Springs, Alice Springs, Vanda, Vanda, South Pole Qui, South Pole Qui.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Urewera, Rata Peaks, Charters Tower, Stephens Creek, Alice Springs, Alice Springs, Vanda, Vanda, South Pole Qui, South Pole Qui.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Urewera, Rata Peaks, Charters Tower, Stephens Creek, Alice Springs, Alice Springs, Vanda, Vanda, South Pole Qui, South Pole Qui.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Urewera, Rata Peaks, Charters Tower, Stephens Creek, Alice Springs, Alice Springs, Vanda, Vanda, South Pole Qui, South Pole Qui.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like San Miguel, Vista de Mar, San Vicente, La Ceiba, El Faro, JuntasAbangare, etc.

BUJ 16 08:24:48.6, 50.00N:156.30E, h50km, mb4.8, mb4.5, Ms4.4, Msz4.2

KRSC 16 08:24:49.4, 49.79N:156.99E, h19km, Mc4.4, ML5.5

SKHL 16 08:24:51.5, 1.6, 50.00N:156.70E, h57km, mb5.3/6, ms4.4/4, msh5.8/2

IDC 16 08:24:51.9, 0.6, 50.08N:156.26E, h52km, mb4.2/21, mb1.4, 4/23, mb1mx4.4, 7/27, MS4.0/22, Ms1.4, 0/22, ms1mx3.9/29, Error ellipse: s-maj=16.0km s-min=11.5km az=148.0

NEIC 16 08:24:51.6, 0.2, 50.00N:156.26E, mb4.8/72, Error ellipse: s-maj=5.5km s-min=3.3km az=163.0

NEIC Felt (I) at Severo-Kuril's

MOS 16 08:24:52.3, 1.3, 50.10N:156.41E, h70km, mb4.6/17, Error ellipse: s-maj=10.3km s-min=5.7km az=78.4

MOS Felt (I-II) at Severo-Kuril's

ISC 16 08:24:49.8, 0.2, 49.85N:156.51E, 0.03, h50km, h50km, 5km, pP-P, n270, c19/302, mb4.7/96, MS4.1/40, 4C-9D, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Severo-Kuril's, Alaid, Pauzhetka, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like Mys Shipunski, Galanyl, Karymskiy, Mys Kozlova, Tumorok, Esso, Kamenistaya, Kopyto, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like YSS, MA2, FX1, ASAJ, KLR, ZEA, MAJO, etc.



Table with columns for station name, frequency, power, and other technical details. Includes stations like SML College, SSE Sheshan, SSE comp=Z,17nm,0.9s,mb4.9, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like ARU comp=N,100nm,17.0s,MS4.1, YBH Yreka Blue Hor, WDC Whiskeytown Da, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like NB2 NORSAR Subarra, NOA NORSAR Arr B, SDCO Great Sand Dun, etc.

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

CASC 16 08:29:58.1, 2.4, 12.41N-87.58W, h89km, 65km, MD4.2, 1C, Near coast of Nicaragua

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

NEIC 16 08:30:21.2, 17.48N-94.98W, h135km, MD3.8(MEX), After MEX.

MEX 16 08:30:21.4, 17.48N-94.98W, h134km, 15km, MD3.8, Chiapas

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

KRSC 16 08:31:28.5, 49.90N-156.86E, h31km, ML3.6, Kuril Islands

KRSC 16 08:33:40.4, 49.86N-157.07E, h31km, ML4.5

MOS 16 08:33:40.1, 1.2, 49.81N-156.76E, h41km, mb4.2/2, Error ellipse: s-maj=30.6km s-min=8.9km az=70.7

IDC 16 08:33:42.9, 1.4, 49.77N-156.46E, h46km, mb3.2/6, mb1 3.7/8, mb1mx3.4/24, ML3.9/2, Error ellipse: s-maj=78.4km s-min=25.1km az=151.0

NEIC 16 08:33:43.1, 1.2, 50.00N-156.29E, Error ellipse: s-maj=49.2km s-min=20.3km az=138.0

IDC 16 08:33:41.1, 0.7, 49.84N-156.76E, 0.08, h45km, h45km, 2.4km, pp-P, n45, s1915/75, mb3.4/6, 1C, Kuril Islands

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

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

HEL 16 09:00:02.0, 2.0, 64.70N-30.67E, Explosion

IDC 16 09:00:02.5, 64.71N-30.98E, mb1 3.0/4, mb1mx2.9/19, ML2.6/4, Error ellipse: s-maj=33.4km

IDC 16 08:58:7.0, 8.671N-0.03-30.6E, 0.1, n14, s108/25, Finland-Karelia border region

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

HEL 16 09:45:37.1, 0.1, 60.48N-26.83E, ML1.3, ML2.2(NAO), Explosion

NAO 16 09:45:37.2, 5.5, 60.48N-26.53E, ML2.2

BER 16 09:45:38.0, 2.6, 60.52N-26.75E, ML2.2(NAO), Suspected explosion

IDC 16 09:45:36.2, 0.9, 60.52N-26.82E, 0.07, n11, s089/15, Finland

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

NEIC 16 09:09:43.7, 16.86N-93.78W, h166km, MD4.1(MEX), After MEX.

MEX 16 09:09:44.1, 1.2, 17.00N-93.94W, h174km, 15km, MD4.0

IDC 16 09:09:43.7, 2.7, 17.1N-93.1W, 0.2, h172km, 16km, n6, s105/11, Chiapas

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like FX1, ILAR, YKA, etc.

NEIC 16 09:26:02.1, 0.16, 15.98S-175.00W, h240km, Error ellipse: s-maj=33.0km s-min=14.1km az=147.0

IDC 16 09:26:09.5, 15.0, 15.68S-175.25W, h304km, 154km, mb3.3/6, mb1 3.7/6, mb1mx3.5/15, Error ellipse: s-maj=99.7km s-min=28.2km az=153.0

IDC 16 09:26:17.0, 0.8, 16.0S-0.3-175.3W, 0.2, h400km, n9, s026/8, mb3.6/7, 1C, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like WRA, AS12, ASAR, etc.

NEIC 16 09:28:24.9, 30.44S-71.59W, h34km, ML4.2(GUC), After GUC.

GUC 16 09:28:24.9, 0.8, 30.44S-71.59W, h34km, 3km, MD4.2, ML4.2, SC-4D, Near coast of central Chile

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

MOS 16 09:33:22.7, 1.4, 42.75N-46.54E, h10km, mb3.8/1, Error ellipse: s-maj=21.1km s-min=19.0km az=127.7, Eastern Caucasus

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

HEL 16 09:45:37.1, 0.1, 60.48N-26.83E, ML1.3, ML2.2(NAO), Explosion

NAO 16 09:45:37.2, 5.5, 60.48N-26.53E, ML2.2

BER 16 09:45:38.0, 2.6, 60.52N-26.75E, ML2.2(NAO), Suspected explosion

IDC 16 09:45:36.2, 0.9, 60.52N-26.82E, 0.07, n11, s089/15, Finland

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

Table with columns: SUFF, SUFF, comp=Z, 1.0nm, 0.1s, HFS Hagfors, HFS Hagfors, ARAO ARCESS Array S, ARAO ARCESS Array S

JMA 16 09:51:35.6:0.3, 33.97N:137.32E, h352km, 3km, M3.2
NEIC 16 09:51:36.3:0.9, 33.95N:137.29E, h339km, 9km, Error ellipse: s-maj=28.2km s-min=18.1km az=98.0

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

NEIC 16 10:04:16.8:0.8, 24.09S:67.00W, h173km, 13km, Error ellipse: s-maj=15.7km s-min=11.6km az=74.0

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

NEIC 16 10:16:47.0, 40.51S:176.08E, h64km, ML3.8(WEL), After WEL, North Island

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

IDC 16 10:17:02.7:5.2, 5.24S:146.45E, h117km, 56km, mb3.6/4, mb1 3.9/7, mb1mx3.7/15, Error ellipse: s-maj=48.7km s-min=24.8km az=137.0

NEIC 16 10:17:03.1:1.0, 5.17S:146.43E, h125km, mb3.9/2, Error ellipse: s-maj=22.9km s-min=15.3km az=112.0

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

ILAR Eielson Array 85.08 23 P P 10 29 24.0 -0.4

IDC 16 10:17:09.0:2.9, 40.31S:175.83E, mb4.1/3, mb1 4.3/4, mb1mx4.0/13, ML3.2/2, Error ellipse: s-maj=66.7km

NEIC 16 10:17:13.0:1.2, 40.58S:176.15E, h49km, 7km, Error ellipse: s-maj=26.1km s-min=6.4km az=116.0

WEL 16 10:17:15.1:0.1, 40.50S:176.00E, h52km, 1km, ML3.8/8, Error ellipse: s-maj=1.0km s-min=0.5km az=90.0

ISC 16 10:17:13.1:0.4, 40.52S:0.02:176.03E:0.05, h65km, 4km, n55, e090/81, mb4.2/3, 9C-1D, North Island

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

BER 16 10:18:37.0:3.5, 56.13N:23.78E, ML2.2(NAO), Suspected explosion

NAO 16 10:18:38.8:9.3, 56.37N:23.70E, ML2.2, Baltic States - Belarus - Northwestern Russia

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

IDC 16 10:30:23.1:9.2, 22.01N:144.10E, h218km, 60km, mb3.0/3, mb1 3.2/4, mb1mx2.9/22, Error ellipse: s-maj=88.3km s-min=44.4km az=174.0, Volcano Islands region

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

PVCC Pruhonice 1.81 214 eSg Sg 10 52 28.2 -0.8

HEL 16 11:05:34.7:0.3, 61.70N:30.97E, ML2.1, ML2.2(NAO), Explosion

BER 16 11:05:38.1:3.1, 61.90N:30.50E, ML2.2(NAO), Suspected explosion

NAO 16 11:05:38.9:4.7, 62.07N:30.20E, ML2.2

ISC 16 11:05:34.1:1.3, 61.75N:0.05:30.9E:0.1, n12, e090/22, Finland, Karelia border region

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

NINC 16 11:26:04.4:1.5, 39.02N:70.51E, mpv3.9, Error ellipse: s-maj=15.0km s-min=11.7km az=20.8

ISC 16 11:25:58.8:2.6, 38.6N:0.2:70.8E:0.1, h33km, n11, e088/13, 2C-2D, Afghanistan-Tajikistan border region

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

MOS 16 12:13:18.7:1.1, 37.36N:70.04E, h33km, mb4.1/7, Error ellipse: s-maj=24.4km s-min=13.6km az=89.7

IDC 16 12:13:22.8:7.8, 37.60N:70.54E, h44km, 67km, mb3.7/7, mb1 3.9/8, mb1mx3.6/20, ML4.2/1, MS3.0/2, Ms1 3.1/2, ms1mx2.6/27, Error ellipse: s-maj=58.0km s-min=21.2km az=37.0

NEIC 16 12:13:23.4:0.7, 37.48N:70.51E, h60km, mb4.1/4, Error ellipse: s-maj=22.3km s-min=7.4km az=47.0

NINC 16 12:13:24.5:16.0, 37.00N:69.77E, h379km, 122km, mpv4.2, Error ellipse: s-maj=164.8km s-min=110.0km az=11.0

BUI 16 12:13:35.8, 37.58N:71.46E, h60km, mb3.9, ML3.8

ISC 16 12:13:25.0:8.3, 37.57N:0.04:70.68E:0.10, h89km, 9km, n54, e187/56, mb3.9/11, 4C-9D, Afghanistan-Tajikistan border region

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

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MKAR Makanchi Array, AB31 Akbulak array, KOLN Koldanda, etc.

IDC 16 12:17:18.1±1.8, 39.03N-95.29W, mb3.6/3, mb1.4/0.8, m-1mx3.7/24, ML4.2/4, Error ellipse: s-maj=29.0km s-min=21.4km az=124.0
NEIC 16 12:17:30.7±0.4, 40.63N-95.55W, h5km, MN3.3, MW3.5(SLM), Error ellipse: s-maj=7.3km s-min=5.8km az=204.0

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KSU1 Kansas State U, CBKS Cedar Bluff, CCM Cathedral Cave, etc.

NEIC 16 12:20:46.8±1.2, 52.52N-158.02E, h122km, 9km, Error ellipse: s-maj=22.7km s-min=14.1km az=187.0
MOS 16 12:20:46.7±1.1, 52.74N-158.17E, h134km, mb3.8/4, Error ellipse: s-maj=26.4km s-min=10.3km az=70.3
IDC 16 12:20:46.7±4.5, 52.86N-157.96E, h101km, 41km, mb3.5/9, mb1.3/1.0, mb1mx3.5/2.3, Error ellipse: s-maj=50.4km s-min=19.8km az=50.2

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PET Petropavlovsk, GRL Gorelyy, RUS Russkaya, etc.

IDC 16 12:21:09.2±8.2, 30.55N-83.76E, h60km, 72km, mb3.4/6, mb1.3/6.8, mb1mx3.4/2.1, ML3.3/1, MS3.4/1, Ms1.3/4.1, ms1mx2.5/1.9, Error ellipse: s-maj=60.9km s-min=20.0km az=60.0

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

LDG 16 12:27:17.0±0.3, 15.12S-166.46E, h10km, Mb4.4/1, Error ellipse: s-maj=50.2km s-min=8.9km az=84.0
NEIC 16 12:27:34.8±5.1, 14.51S-167.39E, h152km, 42km, mb4.4/5, Error ellipse: s-maj=19.9km s-min=14.1km az=87.0

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, AS12 Alice Springs, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JAT Jato, IXX Ixapco, TP2 Tecpan 2, etc.

TAP 16 12:57:11.7, 23.76N-122.58E, h18km, 1km, ML2.8
JMA 16 12:57:14.6±0.1, 23.91N-122.53E, h13km, M2.0
ISC 16 12:57:13.9±2.5, 23.9N-122.53E, 0.1x12.3km, n5, c033/9, Taiwan region



baz=244,slow=28
FIAO FINES Array S 10.25 65 Pn P 14 28 51.4 -2.9
bazz=263,slow=12

BJI 16 14:45:13.4, 61.60N:146.30W, h37km, mb4.7, mb4.6, Ms4.0
NEIC 16 14:45:17.4, 61.59N:146.29W, h38km, ML4.2(PMR), ML3.9(AEIC), After AEIC.
NEIC Felt (I) at Valdez
IDC 16 14:45:19.8:3.0, 61.87N:146.18W, h74km,26km, mb3.7/10, mb1 3.9/14, mb1mx3.7/25, MS3.1/5, Ms1 3.1/5, ms1mx2.7/21, Error ellipse: s-maj=29.0km s-min=15.3km az=51.0

ISC 16 14:45:15.7:0.2, 61.59N:0.02:146.29W:0.03, h60km,3km, n118, s190/140, mb2.2/14, MS3.1/3, 1C, Southern Alaska

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

Main table of seismic events with columns: P, M, L, Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Contains event details like Pinedale Array, ULM, TXAR, etc.

Table of seismic events with columns: P, M, L, Code, Station Name, Az, AzZ, Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Contains event details like MAW, NWAO, ASAR, etc.

Table with columns for station call letters, station name, frequency, and other technical details. Includes stations like CMAR, CHG, ENH, KMI, KLN, etc.

Table with columns for station call letters, station name, frequency, and other technical details. Includes stations like KKN, DMN, HIA, GKN, KOLN, etc.

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

ISC 16 15:56:30.2, 0.3, 36.37N, 0.04, -137.43E, 0.07, h242km, 2km, n39, c082/55, mb3.5/11, 1C, Eastern Honshu

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

NEIC 16 17:11:57.0, 4.8, 9.7S, 158.47E, mb4.5/5, Error ellipse: s-maj=18.2km s-min=9.4km az=128.0

ISC 16 17:11:57.0, 4.9, 9.1S, 158.52E, h24km, 5km, mb4.0/12, mb1.4/3/13, mb1mx3.1/4, ML4.4/1, MS3.8/8, Ms1.3/8, ms1mx3.7/16, Error ellipse: s-maj=26.5km s-min=16.7km az=121.0

BUJ 16 17:11:58.6, 9.00S, 158.50E, h26km, mb5.0, mb4.7

ISC 16 17:11:56.0, 0.5, 9.00S, 0.09, 158.4E, 0.1, h24km, h24km, 9km, pP, n4.0, c094/33, mb4.3/21, MS3.8/7, 1C-2D, Bougainville - Solomon Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Lists seismic stations in the Bougainville - Solomon Islands region.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Lists seismic stations in the NEIC 16 17:22:00.2 region.

ISC 16 17:22:00.2, 19.0, 17.47S, 179.11W, h590km, 186km, mb3.2/3, mb1.3/3, mb1MX2/19, Error ellipse: s-maj=141.0km s-min=89.3km az=104.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Lists seismic stations in the Fiji Islands region.

NEIC 16 17:42:45.3, 17.78N, 101.63W, h49km, MD3.6(MEX), After MEX

MEX 16 17:42:45.1, 0.6, 17.77N, 101.65W, h50km, 7km, MD3.8, 1D, Near coast of Guerrero

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Lists seismic stations near the coast of Guerrero.

LJU 16 18:20:14.9, 46.32N, 13.59E, h7km, ML 1.9

ROM 16 18:20:14.2, 0.3, 46.30N, 13.60E, h10km, MD2.4/4, ML 1.7/4, Error ellipse: s-maj=2.0km s-min=1.8km az=90.0

PRU 16 18:20:15.8, 46.32N, 13.57E, h10km, 5km, ISC 16 18:20:14.6, 0.4, 46.31N, 0.02, 13.61E, 0.02, h11km, 5km, n33, c091/55, 3C-8D, Austria

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Lists seismic stations in the Austria region.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Lists seismic stations MKAR Makanchi Array and BVAR Borovoye Array.

IDC 16 18:42:53.7, 35.0, 1.49S, 68.71E, mb3.8/3, mb1.3/9/3, mb1mx3.5/17, MS3.2/5, Ms1.3/5, Ms1.3mx3.0/21, Error ellipse: s-maj=718.0km s-min=83.5km az=24.0, Carlsberg Ridge

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Lists seismic stations in the Carlsberg Ridge region.

IDC 16 18:48:51.6, 6.9, 9.46S, h114km, 58km, mb3.7/1, mb1.3/6/4, mb1mx3.1/4, Error ellipse: s-maj=81.5km s-min=43.9km az=54.0

ISC 16 18:48:46.2, 4.9, 9.25S, 0.1, 123.3E, 0.1, h102km, 27km, n8, c069/15, mb3.7/1, Timor region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Lists seismic stations in the Timor region.

IDC 16 19:22:41.4, 1.9, 35.27N, 69.31E, mb3.7/3, mb1.3/7.5, mb1mx3.5/20, ML3.3/2, Error ellipse: s-maj=48.0km s-min=32.9km az=54.0

NEIC 16 19:22:58.6, 1.0, 36.08N, 69.55E, h10km, mb4.0/5, Error ellipse: s-maj=21.7km s-min=7.6km az=53.0

NNC 16 19:23:13.5, 12.0, 37.25N, 69.67E, mb3.4, Error ellipse: s-maj=129.1km s-min=94.3km az=142.0

ISC 16 19:23:06.8, 0.7, 36.41N, 0.07, 70.2E, 0.1, h215km, 12km, n18, c097/22, mb3.3/3, 4D, Hindu Kush region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Lists seismic stations in the Hindu Kush region.

BUJ 16 19:27:24.0, 64.70N, 140.70W, h10km, mb4.5, mb4.9

PGC 16 19:27:26.1, 64.74N, 140.66W, h10km, ML4.5/3

PGC Ogilvie Mountains, Yukon Territory, Fault at Dawson City (I), NEIC 16 19:27:26.0, 64.74N, 140.66W, h10km, ML4.5(PGC), ML4.4(AEIC), After PGC

NEIC Felt at Dawson. Also felt at Eagle, Alaska. IDC 16 19:27:27.4, 1.8, 64.89N, 140.87W, h19km, 16km, mb3.4/3, mb1.3/9/7, mb1mx3.6/22, ML3.9/4, MS3.1/4, Ms1.3/1/4, ms1mx2.7/20, Error ellipse: s-maj=15.0km s-min=10.0km az=1.0

ISC 16 19:27:23.0, 0.3, 64.89N, 0.03, 140.54W, 0.06, h10km, n72, c1919/4, mb4.4/5, MS3.2/3, 2C-1D, Southern Yukon Territory

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Lists seismic stations in the Southern Yukon Territory region.







Table listing various locations (e.g., INCN, LTX, TUC) with associated times, coordinates, and codes (LR, PFAKE, etc.).

Table listing various locations (e.g., PLAL, DPW, BOZ, MSO, CHMT) with associated times, coordinates, and codes (ePKP, PKPdf, etc.).

Table listing various locations (e.g., HRV, NCB, YKA, WVL, EMMW) with associated times, coordinates, and codes (LR, PFAKE, etc.).

Table with columns for station name, frequency, and other technical details. Includes stations like SOC, SISC, AKASO, etc.

Table with columns for station name, frequency, and other technical details. Includes stations like GUSCL, AUTN, SISC, etc.

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

MAN 17 00:53:48.0, 17.48N, 120.09E, h6km, mb4.5, ML3.4, MS3.3, 1D, Luzon
Code Station Name Az AZZ Phase ID Time Res
ABRA Dolores 0.62 74 eP Pg 01 05 00.0 -0.5

IDC 17 00:59:37.1±0.5, 82.98N±6.24W, mb4.0/19, mb1.4/3/21, mb1mx4.2/25, ML4.1/2, Error ellipse: s-maj=18.3km s-min=10.3km az=35.0
BUJ 17 00:59:38.9, 83.00N±5.50W, h10km, mb4.7, Ms4.7, Msz4.6
NEIC 17 00:59:38.9±0.2, 83.02N±5.50W, h10km, mb4.4/24, Error ellipse: s-maj=8.2km s-min=3.8km az=42.0

Code Station Name Az AZZ Phase ID Time Res
KBS Kingsbay 4.90 137 Pn Pn 01 00 51.1 -1.8
KBS Kingsbay 4.90 137 eS Pn 01 01 43.4 -7.0
KBS Kingsbay 4.90 137 eS Pn 01 00 51.0 -1.9

IDC 17 01:05:08.0±2.0, 5.48N, 124.17E, h503km±22km, mb3.6/11, mb1.3/5/11, mb1mx3.4/20, Error ellipse: s-maj=42.2km s-min=9.9km az=71.0
NEIC 17 01:05:11.5±2.9, 34N, 123.98E, h554km±38km, mb4.3/4, Error ellipse: s-maj=28.2km s-min=12.9km az=70.0

Code Station Name Az AZZ Phase ID Time Res
KAKA Kakadu 19.83 155 eP P 01 09 05.8 +0.9
FITZ Fitzroy Crossi 23.41 176 eP P 01 09 37.2 -0.5
FITZ Fitzroy Crossi 23.41 176 P P 01 09 37.3 -0.4

IDC 17 01:05:08.1±2.5, 5.4N, 124.0E±0.3, h523km±31km, n21, 0.069±23, mb3.8/13, Mindanao
Code Station Name Az AZZ Phase ID Time Res
KAKA Kakadu 19.83 155 eP P 01 09 05.8 +0.9

Code Station Name Az AZZ Phase ID Time Res
KAKA Kakadu 19.83 155 eP P 01 09 05.8 +0.9
FITZ Fitzroy Crossi 23.41 176 eP P 01 09 37.2 -0.5
FITZ Fitzroy Crossi 23.41 176 P P 01 09 37.3 -0.4

IDC 17 01:13:54.6±1.6, 0.82S, 97.04E, h29km±4km, mb3.5/6, mb1.3/7/7, mb1mx3.6/17, Error ellipse: s-maj=69.5km s-min=15.1km az=54.0
ISC 17 01:13:53.0±1.5, 0.75S±0.2, 97.2E±0.3, h29km, h22km±2.4km±P-P, n8, 0.01067, mb3.7/6, Southwest of Sumatra

Code Station Name Az AZZ Phase ID Time Res
CMAR Chiang Mai Arr 19.11 5 P P 01 18 16.9 +0.4
WRA Warramunga Arr 41.08 120 P P 01 21 37.1 +1.0
WRA Warramunga Arr 41.08 120 P P 01 21 37.1 +1.0

IDC 17 01:20:32.6±5.1, 6.47S, 113.29E, h47km±48km, mb4.6/21, mb4.7/22, mb1mx4.7/24, ML4.4/3/1, Ms4.1/1/6, Ms1.4/1/6, mb1mx3/21, Error ellipse: s-maj=25.5km s-min=11.1km az=65.0, Putative timing error at ELI.
NEIC 17 01:20:33.4±0.8, 6.52S, 113.37E, h54km±8km, mb5.1/31, MS4.9/1, Error ellipse: s-maj=12.3km s-min=5.2km

Code Station Name Az AZZ Phase ID Time Res
CMAR Chiang Mai Arr 19.11 5 P P 01 18 16.9 +0.4
WRA Warramunga Arr 41.08 120 P P 01 21 37.1 +1.0
WRA Warramunga Arr 41.08 120 P P 01 21 37.1 +1.0

IDC 17 01:20:32.6±5.1, 6.47S, 113.29E, h47km±48km, mb4.6/21, mb4.7/22, mb1mx4.7/24, ML4.4/3/1, Ms4.1/1/6, Ms1.4/1/6, mb1mx3/21, Error ellipse: s-maj=25.5km s-min=11.1km az=65.0, Putative timing error at ELI.
NEIC 17 01:20:33.4±0.8, 6.52S, 113.37E, h54km±8km, mb5.1/31, MS4.9/1, Error ellipse: s-maj=12.3km s-min=5.2km

Code Station Name Az AZZ Phase ID Time Res
CMAR Chiang Mai Arr 19.11 5 P P 01 18 16.9 +0.4
WRA Warramunga Arr 41.08 120 P P 01 21 37.1 +1.0
WRA Warramunga Arr 41.08 120 P P 01 21 37.1 +1.0

IDC 17 01:20:32.6±5.1, 6.47S, 113.29E, h47km±48km, mb4.6/21, mb4.7/22, mb1mx4.7/24, ML4.4/3/1, Ms4.1/1/6, Ms1.4/1/6, mb1mx3/21, Error ellipse: s-maj=25.5km s-min=11.1km az=65.0, Putative timing error at ELI.
NEIC 17 01:20:33.4±0.8, 6.52S, 113.37E, h54km±8km, mb5.1/31, MS4.9/1, Error ellipse: s-maj=12.3km s-min=5.2km

az=55.0
NEIC Felt (III) at Sumenep and Surabaya.
SYO 17 01:20:33.3, 6.52S, 113.37E, h54km, MB5.1, MS4.9
ISC 17 01:20:31.2±0.7, 6.54S±0.04, 113.34E±0.05, h50km±7km, n168, 0.01818/142, mb5.0/61, MS4.5/12, 16C-11D, Jawa

Code Station Name Az AZZ Phase ID Time Res
TRT Trekes 1.35 211 eP P 01 20 51.0 -3.2
TRT Trekes 1.35 211 eS P 01 21 11.0 -0.3
KELI Kelakatan 2.02 146 eP P 01 21 04.1 +0.5

IDC 17 01:20:32.6±5.1, 6.47S, 113.29E, h47km±48km, mb4.6/21, mb4.7/22, mb1mx4.7/24, ML4.4/3/1, Ms4.1/1/6, Ms1.4/1/6, mb1mx3/21, Error ellipse: s-maj=25.5km s-min=11.1km az=65.0, Putative timing error at ELI.
NEIC 17 01:20:33.4±0.8, 6.52S, 113.37E, h54km±8km, mb5.1/31, MS4.9/1, Error ellipse: s-maj=12.3km s-min=5.2km

Code Station Name Az AZZ Phase ID Time Res
KELI Kelakatan 2.02 146 eP P 01 21 04.1 +0.5
KELI Kelakatan 2.02 146 eS P 01 21 35.1 +7.4
KELI Kelakatan 2.02 146 eP P 01 21 04.1 +0.5

IDC 17 01:20:32.6±5.1, 6.47S, 113.29E, h47km±48km, mb4.6/21, mb4.7/22, mb1mx4.7/24, ML4.4/3/1, Ms4.1/1/6, Ms1.4/1/6, mb1mx3/21, Error ellipse: s-maj=25.5km s-min=11.1km az=65.0, Putative timing error at ELI.
NEIC 17 01:20:33.4±0.8, 6.52S, 113.37E, h54km±8km, mb5.1/31, MS4.9/1, Error ellipse: s-maj=12.3km s-min=5.2km

Code Station Name Az AZZ Phase ID Time Res
KELI Kelakatan 2.02 146 eP P 01 21 04.1 +0.5
KELI Kelakatan 2.02 146 eS P 01 21 35.1 +7.4
KELI Kelakatan 2.02 146 eP P 01 21 04.1 +0.5

IDC 17 01:20:32.6±5.1, 6.47S, 113.29E, h47km±48km, mb4.6/21, mb4.7/22, mb1mx4.7/24, ML4.4/3/1, Ms4.1/1/6, Ms1.4/1/6, mb1mx3/21, Error ellipse: s-maj=25.5km s-min=11.1km az=65.0, Putative timing error at ELI.
NEIC 17 01:20:33.4±0.8, 6.52S, 113.37E, h54km±8km, mb5.1/31, MS4.9/1, Error ellipse: s-maj=12.3km s-min=5.2km

Code Station Name Az AZZ Phase ID Time Res
KELI Kelakatan 2.02 146 eP P 01 21 04.1 +0.5
KELI Kelakatan 2.02 146 eS P 01 21 35.1 +7.4
KELI Kelakatan 2.02 146 eP P 01 21 04.1 +0.5

IDC 17 01:20:32.6±5.1, 6.47S, 113.29E, h47km±48km, mb4.6/21, mb4.7/22, mb1mx4.7/24, ML4.4/3/1, Ms4.1/1/6, Ms1.4/1/6, mb1mx3/21, Error ellipse: s-maj=25.5km s-min=11.1km az=65.0, Putative timing error at ELI.
NEIC 17 01:20:33.4±0.8, 6.52S, 113.37E, h54km±8km, mb5.1/31, MS4.9/1, Error ellipse: s-maj=12.3km s-min=5.2km

Code Station Name Az AZZ Phase ID Time Res
KELI Kelakatan 2.02 146 eP P 01 21 04.1 +0.5
KELI Kelakatan 2.02 146 eS P 01 21 35.1 +7.4
KELI Kelakatan 2.02 146 eP P 01 21 04.1 +0.5

IDC 17 01:20:32.6±5.1, 6.47S, 113.29E, h47km±48km, mb4.6/21, mb4.7/22, mb1mx4.7/24, ML4.4/3/1, Ms4.1/1/6, Ms1.4/1/6, mb1mx3/21, Error ellipse: s-maj=25.5km s-min=11.1km az=65.0, Putative timing error at ELI.
NEIC 17 01:20:33.4±0.8, 6.52S, 113.37E, h54km±8km, mb5.1/31, MS4.9/1, Error ellipse: s-maj=12.3km s-min=5.2km

Code Station Name Az AZZ Phase ID Time Res
KELI Kelakatan 2.02 146 eP P 01 21 04.1 +0.5
KELI Kelakatan 2.02 146 eS P 01 21 35.1 +7.4
KELI Kelakatan 2.02 146 eP P 01 21 04.1 +0.5

IDC 17 01:20:32.6±5.1, 6.47S, 113.29E, h47km±48km, mb4.6/21, mb4.7/22, mb1mx4.7/24, ML4.4/3/1, Ms4.1/1/6, Ms1.4/1/6, mb1mx3/21, Error ellipse: s-maj=25.5km s-min=11.1km az=65.0, Putative timing error at ELI.
NEIC 17 01:20:33.4±0.8, 6.52S, 113.37E, h54km±8km, mb5.1/31, MS4.9/1, Error ellipse: s-maj=12.3km s-min=5.2km

Code Station Name Az AZZ Phase ID Time Res
KELI Kelakatan 2.02 146 eP P 01 21 04.1 +0.5
KELI Kelakatan 2.02 146 eS P 01 21 35.1 +7.4
KELI Kelakatan 2.02 146 eP P 01 21 04.1 +0.5

IDC 17 01:20:32.6±5.1, 6.47S, 113.29E, h47km±48km, mb4.6/21, mb4.7/22, mb1mx4.7/24, ML4.4/3/1, Ms4.1/1/6, Ms1.4/1/6, mb1mx3/21, Error ellipse: s-maj=25.5km s-min=11.1km az=65.0, Putative timing error at ELI.
NEIC 17 01:20:33.4±0.8, 6.52S, 113.37E, h54km±8km, mb5.1/31, MS4.9/1, Error ellipse: s-maj=12.3km s-min=5.2km

Code Station Name Az AZZ Phase ID Time Res
KELI Kelakatan 2.02 146 eP P 01 21 04.1 +0.5
KELI Kelakatan 2.02 146 eS P 01 21 35.1 +7.4
KELI Kelakatan 2.02 146 eP P 01 21 04.1 +0.5

17d 3h

Table with columns for station name, coordinates, and various data points. Includes stations like LZH, DMN, GKN, KOLN, etc.

2004 JUL

Main table with columns for station name, coordinates, and various data points. Includes stations like MALTA, EIL, QSPA, etc.

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Table with columns for station name, coordinates, and various data points. Includes stations like WRA, WBE2, AS12, etc.



Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like MCIR, MGDG, TNA, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like LTX, TXAR, TXAR, SADO, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like GERES, KMI, KMI, etc.



EMOS 0.1nm,0.3s,SNR=7.9 Pg Sn 03 47 26.1 -1.6

CAF 0.6nm,0.2s,SNR=7.9 2.73 41 ePn Pn 03 47 21.4 -0.7

GUC 17 03:49:46.4e.0.4.24.23S:67.34W,h190km,ML4.2

IDC 17 03:49:48.3.1.2.23.87S:66.86W,h168km,12km,mb3.8/4,

ISC 17 03:49:45.6e.0.8.24.27S:0.06:67.12W,0.09,

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

LVC Limon Verde 2.33 315 Op P 03 50 27.8 +1.3

LVC comp=N,395nm,0.3s 2.33 315 P P 03 50 27.8 +1.3

CPN1 Cerro Paranal 2.33 315 P P 03 50 35.5 +0.8

ANCH Antofagasta 3.07 280 Op P 03 50 37.3 +1.8

CPCH Copiapo 4.24 223 Op P 03 50 48.9 -1.5

LPAZ La Paz 8.00 353 P P 03 51 38.1 -1.8

CPUP Villa Florida 9.09 105 P P 03 51 54.5 +0.3

LDG 17 03:50:23.0.5.42.85N:0.49W,h2km,Md1,8/3,ML1.3/1,

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

ETSF Etsaut 0.08 275 Op P 03 50 25.0 +0.2

FDFA Les Forges d'A 0.11 228 Pg Pg 03 50 25.6 +0.3

ESAL San Caprasio 1.17 180 Lg Lg 03 51 00.9

MXE 17 03:54:54.3e.0.6.14.68N:94.62W,h16km,45km,MD4.2,1C,

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

CMIG Matias Romero 2.41 354 Op P 03 55 30.0 -3.8

SCX San Cristobal 2.80 43 Op Sn 03 55 58.4 -4.9

CHCP Chirah Chowk 3.47 146 P P 04 23 57.2 +0.6

THW Thamme Wali 3.81 169 P P 04 24 00.8 -0.0

KKAR Karatay Array 6.55 357 P P 04 24 35.5 -0.6

MKAR Makanchi Array 13.29 36 P P 04 26 05.2 +2.3

GKN Gorkha 14.39 122 P P 04 26 16.5 -0.2

AB31 Akbulak array 15.01 331 P P 04 26 23.1 -1.1

PKI Pulchoki 15.19 122 eP P 04 26 27.4 +0.7

KURK Kurchatov 15.21 19 eP P 04 26 25.3 -1.4

BRV Borovoye 16.48 359 P P 04 26 43.3 +0.0

LSA Lhasa 18.26 106 P P 04 27 01.6 -0.4

ARCES ARCESS Array B 41.07 338 P P 04 30 27.4 +1.0

HFS Hagfors 42.99 322 P P 04 30 42.4 +0.5

NOA NORSAR Array B 44.30 323 P P 04 30 52.9 +0.5

YLAR Yellowknife Arr 74.75 16 P P 04 34 19.2 -1.1

YKA Yellowknife Arr 81.20 3 P P 04 34 56.5 +1.0

YKA Yellowknife Arr 81.20 3 P P 04 34 56.5 +1.0

WRA Waramungua Arr 82.07 122 P P 04 35 00.0 -0.8

ASAR Alice Springs 84.34 125 P P 04 35 11.2 -1.0

IDC 17 04:45:14.1.2.4.36.02N:71.53E,mb3.8/5,mb1 4.0/7,

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

AML Almayashu 4.82 18 P P 04 46 49.8 +0.3

KZ Kyzart 5.28 30 P P 04 46 55.3 -0.2

MW-2.32:04; Mw-1.22:04; Mw-0.63:04; Mw0.76:04;

SYO 17 06:10:18.0,34.75N:140.22E,h46km,MB5.4,MS4.9

NEIC 17 06:10:18.0,34.75N:140.22E,mb5.4/127,MS4.9/6,

NEIC Felt in Chiba, Kanagawa, Saitama and Tokyo

MOS 17 06:10:21.8e.0.35.30N:140.26E,h70km,mb5.6/65,

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

BSO3 Boso 3 0.18 88 Op P 06 10 28.4 -0.4

BSO4 Boso 4 0.20 12 P P 06 10 28.6 -0.3

KTR Katsura 0.35 4 Op P 06 10 29.2 -0.8

TATJ Tateyama 2 0.40 306 P P 06 10 29.5 +0.4

BSO1 Boso 1 0.59 104 Op P 06 10 31.3 -1.0

JIM2 Oshima 3 0.71 264 Op P 06 10 33.7 0.0

JIM2 Miyake jima 2 0.97 221 Op P 06 10 45.6 +0.9

JOD2 Odawara 2 1.09 296 Op P 06 10 53.7 +3.3

KJO Kozu shima 1.13 238 Op P 06 10 53.1 -0.5

JIZS Izushimoda 1.16 267 Op P 06 10 53.9 +0.1

JYZW Yoshizawa 2.11 276 Op P 06 10 53.4 +0.7

JKM Hamamatsu 2 2.26 249 Op P 06 10 55.7 +0.7

JNG Nsaki 2.40 313 Op P 06 10 57.1 +0.3

MAJO Matsushiro 2.43 316 Op P 06 10 57.6 +0.3

MAJO Matsushiro 2.43 316 Op P 06 11 28.1 -7.7

MAJO Matsushiro 2.43 316 Op P 06 11 28.1 +0.3





Table with columns for station name, coordinates, elevation, and forecast data. Includes stations like OHCM, WVOR, ERZM, etc.

Table with columns for station name, coordinates, elevation, and forecast data. Includes stations like TPH, KISH, BZK, etc.

Table with columns for station name, coordinates, elevation, and forecast data. Includes stations like OKC, BAR, MORC, etc.





Table with 5 columns: Station Name, Azimuth, Phase, ID, Time Res. Includes stations like HDMB Hadim, LEF Lefka, etc.

JMA 17 09:25:54.2±0.1, 30.29N, 139.51E, h401km, M3.1
IDC 17 09:25:59.8±7.2, 17N, 144.49E, mb3.2/3, mb1 3.4/4,
mb1mx3.3/21, ML3.4/1, Error ellipse: s-maj=333.0km,
s-min=21.7km az=75.0

ISC 17 09:25:52.7±0.9, 30.30N, 139.50E, h418km, 23km, n9,
c0569/13, mb2.6/2, Southeast of Honshu

Table with 5 columns: Code, Station Name, Azimuth, Phase, ID, Time Res. Includes stations like CBIJ Chichi jima, CBIJ Chichi jima, etc.

NMC 17 09:28:13.7±5.2, 38.61N, 71.76E, mpv3.8, Error ellipse:
s-maj=81.6km s-min=40.0km az=82.0

IDC 17 09:28:13.7±1.5, 38.68N, 72.53E, mb3.6/5, mb1 3.7/7,
mb1mx3.6/21, ML3.1/2, Error ellipse: s-maj=27.0km,
s-min=25.2km az=60.0

MOS 17 09:28:16.9±2.0, 38.83N, 72.21E, h33km, mb4.0/2, Error
ellipse: s-maj=42.5km s-min=18.3km az=101.2

ISC 17 09:28:11.6±3.1, 38.60N, 172.0E, h3km, 20km, n13,
c01513/16, mb3.5/5, 2C, Tajikistan

Table with 5 columns: Code, Station Name, Azimuth, Phase, ID, Time Res. Includes stations like KK31 Karatay Array, KKAR Karatay Array, etc.

IDC 17 10:31:11.4±1.5, 57.26S, 25.86W, mb4.3/5, mb1 4.5/5,
mb1mx4.1/15, Error ellipse: s-maj=62.8km s-min=32.2km
az=14.0

NEIC 17 10:33:21.7±4.0, 57.02S, 26.39W, h61km, 38km, mb4.7/3,
Error ellipse: s-maj=40.0km s-min=16.5km az=222.0

ISC 17 10:33:14.8±1.4, 57.05S, 26.5W, 0.5, 10km, n17,
c085/13, mb4.4/6, 2C, South Sandwich Islands region

Table with 5 columns: Code, Station Name, Azimuth, Phase, ID, Time Res. Includes stations like VNA1 Neumayer-Stat, VNA2 Neumayer-Watz, etc.

NIED 17 10:41:00, 33.80N, 132.00E, h65km, Mw3.9 Best double
couple: M9.28x1014 NP1q5:183°, 866°, 1.40°. NP2:

IDC 17 10:41:23.5±1.5, 33.89N, 132.09E, h56km, 14km, mb3.5/6,
mb1 3.8/8, mb1mx3.5/24, MS2.5/1, Ms1 2.5/1, ms1mx2.2/4,
Error ellipse: s-maj=17.9km s-min=11.4km az=169.0

JMA 17 10:41:25.2, 33.84N, 132.02E, h62km, M3.9 Broadband
fault plane solution: P waves. NP1q5:279°, 853°, 1.175°.
NP2q5:186°, 866°, 1.37°. Principal axes: T P1622°,
AZm238°, N P1635°, Azm17°, P P1628°, Azm1362°

JMA Felt II JJA

NEIC 17 10:41:25.8±0.7, 33.82N, 131.97E, h74km, 8km, mb3.6/1
Error ellipse: s-maj=10.8km s-min=9.7km az=144.0

NEIC Recorded [1 JMA] in Yakuuqui and Kumamoto Prefectures.
Recorded [2 JMA] in Fukuuchi and [1 JMA] in Hiroshima
Prefectures, Honshu. Also recorded [1 JMA] in Ehime and
Kochi Prefectures, Shikoku.

ISC 17 10:41:23.6±0.4, 33.80N, 132.07E, 0.5, h73km, 3km,
n20, c097/29, mb3.7/7, 3C-2D, Shikoku

Table with 5 columns: Code, Station Name, Azimuth, Phase, ID, Time Res. Includes stations like JKD Kudamatsu, JKD JKD, etc.

Table with 5 columns: Code, Station Name, Azimuth, Phase, ID, Time Res. Includes stations like JKI Kunimi, JJI Kurahashi, etc.

IDC 17 10:54:35.2±12.0, 2.61N, 99.31E, h216km, 117km, mb3.2/7,
mb1 3.4/8, mb1mx3.2/19, Error ellipse: s-maj=111.0km,
s-min=12.4km az=87.0, Northern Sumatra

Table with 5 columns: Code, Station Name, Azimuth, Phase, ID, Time Res. Includes stations like CMAR Chiang Mai Arr, FITZ Fitzroy Crossi, etc.

ATH 17 11:20:39.9, 9.72N, 20.85E, h5km, MD2.9/3

THE 17 11:20:40.3, 9.76N, 20.72E, h1km, ML2.4

ISC 17 11:20:40.0±0.8, 39.72N, 102.05E, 5.0, h1km, n8,
c01501/13, Greece-Albania border region

Table with 5 columns: Code, Station Name, Azimuth, Phase, ID, Time Res. Includes stations like JAN Janina, MEV Metsovon, etc.

IDC 17 11:31:39.4±0.7, 54.78S, 143.87E, mb4.1/7, mb1 4.3/7,
mb1mx4.2/12, MS3.8/6, Ms1 3.8/6, ms1mx3.6/16, Error
ellipse: s-maj=33.0km s-min=18.9km az=84.0

NEIC 17 11:31:41.1±0.4, 54.77S, 143.77E, h10km, mb3.8/2, Error
ellipse: s-maj=18.0km s-min=10.3km az=82.0

ISC 17 11:31:40.0±0.6, 54.72S, 143.87E, h10km, n24,
c0580/12, mb4.0/7, MS3.7/6, 1C-2D, West of Macquarie
Island

Table with 5 columns: Code, Station Name, Azimuth, Phase, ID, Time Res. Includes stations like RPZ Rata Peaks, STKA Stephens Creek, etc.

CTA Charters Tower 20.66 144.34 P

MIR Mirnyy 26.76 224 P

WRA Warramunga Arr 35.45 345 P

WRA Warramunga Arr 35.46 345 P

WRA Warramunga Arr 35.46 345 P

WRA Warramunga Arr 35.46 345 P

WRA Warramunga Arr 35.46 345 P

WRA Warramunga Arr 35.46 345 P

WRA Warramunga Arr 35.46 345 P

WRA Warramunga Arr 35.46 345 P

WRA Warramunga Arr 35.46 345 P

WRA Warramunga Arr 35.46 345 P

WRA Warramunga Arr 35.46 345 P

WRA Warramunga Arr 35.46 345 P

WRA Warramunga Arr 35.46 345 P

Table with 5 columns: Code, Station Name, Azimuth, Phase, ID, Time Res. Includes stations like IDC 17 12:00:12.1±1.9, 8.74S, etc.

IDC 17 12:00:12.1±1.9, 8.74S, 66.61E, mb3.7/4, mb1 3.9/4,
mb1mx3.6/17, Error ellipse: s-maj=59.9km s-min=37.5km
az=60.0

ISC 17 12:00:49.4±4.0, 8.95S, 0.4, 66.2E, 0.7, h10km, n6, c064/74,
mb3.7/4, Mid-Indian Ridge

Table with 5 columns: Code, Station Name, Azimuth, Phase, ID, Time Res. Includes stations like CMAR Chiang Mai Arr, MKAR Makanchi Array, etc.

IDC 17 12:03:54.9±1.8, 3.32S, 133.60E, mb3.7/3, mb1 3.9/5,
mb1mx3.7/15, ML3.2/2, Error ellipse: s-maj=67.0km,
s-min=25.5km az=70.0

ISC 17 12:03:57.4±5.1, 3.44S, 0.10, 133.5E, 0.2, h32km, 40km, n7,
c0547/9, mb3.8/1, Irian Jaya region

Table with 5 columns: Code, Station Name, Azimuth, Phase, ID, Time Res. Includes stations like WRA Warramunga Arr, FITZ Fitzroy Crossi, etc.

MAN 17 12:02:28, 17.19N, 120.07E, h27km, mb4.2, ML3.0,
MS2.7, 1D, Luzon

Table with 5 columns: Code, Station Name, Azimuth, Phase, ID, Time Res. Includes stations like ABRA Dolores, BOLP Bolinao, etc.

IDC 17 12:17:52.0±0.5, 54.65S, 143.84E, mb4.7/13, mb1 4.8/13,
mb1mx4.7/16, MS5.3/11, Ms1 5.3/11, ms1mx5.2/14, Error
ellipse: s-maj=23.8km s-min=14.0km az=85.0

HRVD 17 12:17:52.0±0.1, 54.69S, 143.99E, h10km, MW5.7/6,
Centroid moment tensor solution. LP body waves:
s67°, c133°, Mantle waves: s76°, c158°. Half duration: 176
Moment tensor: Scale 1017Nm; M1: -0.625, 0;
M2: 1.345, 0; M3: -0.735, 0; Ms: -0.321, 12; Mw: 3.61±.04;
M0: -0.05±.12; Best double couple: M3.77x1017 NP1:
q352°, 885°, 1.1°; NP2: q82°, 889°, 1.175°. Principal
axes: T 4.07, P1g3°. Azm217°; N-59, P1g55°, Azm96°; P
-3.48, P1g5°, Azm307°; nsta1 refers to body waves,
cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
BJL 17 12:17:53.1, 54.70S, 143.80E, h10km, mb5.6, mb5.5,
Ms5.5, Msz5.3

SYO 17 12:17:53.1, 54.72S, 143.79E, h10km, MB5.2, MS5.4

NEIC 17 12:17:53.1±0.2, 54.72S, 143.79E, h10km, mb5.2/19,
MS5.4/12, MW5.6, Error ellipse: s-maj=11.1km,
s-min=6.5km az=83.0, Moment Tensor Solution. s3
Moment tensor: Scale 1017Nm; M1: -0.34, 0; M2: 1.34, 0;
M3: -0.74, 0; Ms: -0.321, 12; Mw: 3.61±.04;
M0: -0.05±.12; Best double couple: M3.1x1017 NP1:
q352°, 885°, 1.175°. Principal axes: T 3.21, P1g18°, Azm36°; N-2,
P1g60°, Azm159°; P-3.01, P1g24°, Azm298°

MOS 17 12:17:54.1±2.3, 54.78S, 144.06E, h10km, mb5.0/11,
MS5.3/16, Error ellipse: s-maj=30.5km s-min=10.6km
az=87.5

ISC 17 12:17:51.9±0.4, 54.74S, 144.0E, 0.2, h10km,
(h18km, 3km, pp-P), n371, 16135/72, MS5.3/142,
29C-12D, West of Macquarie Island

Table with 5 columns: Code, Station Name, Azimuth, Phase, ID, Time Res. Includes stations like ABRA Dolores, BOLP Bolinao, etc.





Table with columns for station call signs (e.g., KIV, RW3, ILAR), frequencies, and other technical details.

Table with columns for station call signs (e.g., CRVS, PWV, PWS), frequencies, and other technical details.

Table with columns for station call signs (e.g., SBF, SAOF, SAUR), frequencies, and other technical details.



Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like Alice Springs, Warrungarra Arr, Limon Verde, etc.

IDC 17 13:37:52.8, 0.5, 1.29N, 97.27E, mb4.5/20, mb1 4.5/21, mb1mx4.3/22, ML4.9/1, MS4.6/12, Ms1 4.7/12, ms1mx4.3/28, Error ellipse: s-maj=18.2km s-min=14.0km az=64.0

MOS 17 13:37:56.2, 1.0, 1.37N, 97.29E, h33km, mb4.9/21, MS5.3/6, Error ellipse: s-maj=17.1km s-min=7.8km az=100.3

BUI 17 13:37:58.0, 1.09N, 97.39E, h67km, mb5.3, mb5.1, Ms5.2, Msz5.2

HRVD 17 13:38:00.3, 0.9, 1.07N, 97.36E, h38km, mb5.1/34, Centroid moment tensor solution. LP body waves: s27, c50, Mantle waves: s34, c53, Half duration: 0 Moment tensor: Scale 10^19Nm, M1: 2.73i, 3.2j, M2: -3.42i, 2.1j, M3: 0.69i, 2.9j, M4: 1.95i, 2.1j, M5: 1.1i, 1.5j, M6: -1.34i, 3.6j, Best double couple: M4.98x10^16 NP1: 267, 84i, 1.38, NP2: 146, 866, 1.125, Principal axes: T 3.4, P1g55, Azm101; N 3.16, P1g31, Azm311; P -6.56, P1g14, Azm212; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 17 13:38:00.3, 1.5, 1.29N, 97.38E, h53km, mb5.0/37, MS4.9/1 Error ellipse: s-maj=9.3km s-min=5.6km az=53.0

SYO 17 13:38:00.2, 1.29N, 97.38E, h53km, MB5.0, MS4.9

ISC 17 13:37:55.1, 2.1, 1.26N, 100.4, 97.32E, 0.04, h29km, gkm, h30km, 2.5km, pP, P 1.165, s104/163, mb4.9/82, MS5.0/34, 19C-3D, Northern Sumatera

Main table of station data with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like Kuala Lumpur, Nongplab, Nakhon Sawan, etc.

Main table of station data with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like Kalpa, Lanzhou, Nanjing, Sheshan, Kakadu, Gaotai, Baotou, Hu-hao-tao, Warrungarra Arr, Kunming, Beijing, WMO, etc.

Main table of station data with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like ZAK, IRK, HAIL, MDJ, KURK, VLA, CTA, STKA, QRN, NVS, KBD, RFD, MIB, VOSK, KLR, BVA0, BRVK, CHKZ, AB31, CLNS, SNY, SONM, UNL, MKAR, KKR, ARU, etc.

Table of station data for 17d 14h, including columns for station name, coordinates, and various parameters like elevation and frequency.

Main table of station data for 2004 JUL, including columns for LRAL, Lakeview Retre, and various station parameters.

Table of station data for 362, including columns for LMELE, AMP, and various station parameters.

Table with 3 columns: STKA, WRA, NOA, GERES. Columns include station names, coordinates, and classification codes like PKP, PKPdf.

IDC 17 15:09:49.5±2.0, 38.95N±97.82E, mb3.0/2, mb1 3.4/4, mb1mx3.2/2, ML3.5/2, Error ellipse: s-maj=38.4km...

NEIC 17 15:09:50.7±0.7, 39.94N±97.53E, h10km, mb3.6/1, Error ellipse: s-maj=15.3km s-min=8.4km az=221.0

BUI 17 15:09:52.8, 39.13N±97.52E, h8km, ML3.5, Ms3.4, Msz3.6

ISC 17 15:09:48.2±0.8, 38.92N±107.73E±0.06, h10km, n8, α106°/11, mb3.2/2, Qinghai

Table with 10 columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Gaotai, Lanzhou, Songjiao, Makanchi, etc.

IDC 17 15:20:03.0±5.8, 28.12S±178.13W, mb4.0/3, mb1 4.2/3, mb1mx3.9/13, Error ellipse: s-maj=172.0km...

HRVD 17 15:26:26.5±0.5, 56.90S±141.78W, h12km, MW4.9/48, Centroid moment tensor solution. LP body waves...

NEIC 17 15:26:25.9±1.1, 56.02S±142.45W, mb4.1/4, mb1 4.3/4, mb1mx4.1/13, MS3.9/5, Ms1.3/9, ms1mx3.7/16...

ISC 17 15:26:24.9±0.9, 56.75S±122.00W±0.3, h10km, n16, α1506°/9, mb4.4/6, MS4.0/5, 1C-1D, Pacific-Antarctic

Table with 10 columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like RAR, USHA, STKA, etc.

IDC 17 15:34:25.6±1.2, 32.64N±48.89E, mb3.9/13, mb1 4.0/16, mb1mx3.9/23, ML3.5/3, Error ellipse: s-maj=28.7km...

THR 17 15:34:32.7±1.6, 32.62N±48.76E, h14km, 16km, ML3.8

SNSN 17 15:34:37.6±3.2, 59.9N±48.87E, h56km, 14km, mb4.3/8

ISC 17 15:34:25.2±1.3, 32.84N±0.03±48.76E±0.06, h17km±9km, n48, α1923°/33, mb4.1/25, Western Iran

Table with 10 columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ASAO, NASN, DAMV, etc.

Table with 10 columns: ARSS, MZL, ASF, etc. Columns include station names, coordinates, and classification codes like P, S, Op, PcP, etc.

Table with 10 columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like RAZ, RPZ, STKA, etc.

IDC 17 15:36:37.3±0.9, 54.49S±143.68E, mb4.2/7, mb1 4.4/7, mb1mx4.3/12, MS4.2/6, Ms1.4/2, ms1mx1.0/13...

NEIC 17 15:36:38.5±0.5, 54.46S±143.75E, h10km, mb4.7/3, Error ellipse: s-maj=30.3km s-min=21.9km az=68.0

ISC 17 15:36:37.0±0.5, 54.44S±0.07±143.7E±0.3, h10km, n39, α994°/17, mb4.3/9, MS4.1/6, 2C, West of Macquarie

Table with 10 columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like RPZ, STKA, ARMA, etc.

ISC 17 15:36:37.3±0.9, 54.49S±143.68E, mb4.2/7, mb1 4.4/7, mb1mx4.3/12, MS4.2/6, Ms1.4/2, ms1mx3.5/11...

WEL 17 17:02:08.7, 46.33S±166.37E, h78km, ML4.0(WEL), After WEL

ISC 17 17:02:02.1±0.5, 46.32S±165.82E, h9km, ML4.2/6, Error ellipse: s-maj=5.9km s-min=4.1km az=90.0, Off west coast of South Island

Table with 10 columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA, ASAR, MKAR, etc.

Table with 10 columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA, ASAR, MKAR, etc.

WEL 17 16:20:36.9±0.8, 46.10S±165.68E, h33km, ML3.7/3, 1D, Error ellipse: s-maj=8.9km s-min=4.9km az=90.0, Off west coast of South Island

Table with 10 columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DCZ, WHZ, etc.

IDC 17 16:27:10.6±0.8, 65.50S±179.71W, mb4.0/5, mb1 4.2/6, mb1mx4.1/10, ML3.5/1, MS4.0/8, Ms1 4.0/8, ms1mx3.8/12...

ISC 17 16:27:10.5±0.9, 65.75S±179.8E±0.4, h10km, n20, α571°/12, mb4.0/6, MS4.0/8, Callery Islands region

Table with 10 columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SBA, Vnda, ASAR, etc.

IDC 17 16:32:04.4±5.5, 53.89S±143.17E, mb4.0/2, mb1 4.2/2, mb1mx3.8/10, MS4.2/2, Ms1 4.2/2, ms1mx3.5/11...

WEL 17 17:02:02.1±0.5, 46.32S±165.82E, h9km, ML4.2/6, Error ellipse: s-maj=5.9km s-min=4.1km az=90.0, Off west coast of South Island

Table with 10 columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA, ASAR, MKAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like JHU2, JMY, JKO, JBO, BSO1, etc.

BUI 17:05:25.9, 56.30S-25.80W, h10km
NEIC 17:05:26.0, 0.2, 56.29S-25.75W, h10km, mb5.1/16,
MS4.3/1, Error ellipse: s-maj=8.6km s-min=6.8km az=56.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, ISC. Includes stations like VNA1, VNA2, SNA, etc.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Cresnjevec ost, Castel Tesino, Caspel Tesino, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Saint-Julien-I, Signal de Mont, Avril sur Loir, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Sierra Lora, Espira, Luque, etc.





Table of astronomical observations for 17d 21h, listing stations like QIZ, OBN, LSA, CM31, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 2004 JUL, listing stations like ESDC, FITZ, EVO, etc., with columns for station name, coordinates, and observation details.

NEIC 17 20:37:31.1 ± 1.5, 18.81N-145.37E, h207km, 15km, mb4.4/2, Error ellipse: s-maj=18.7km s-min=10.7km az=84.0

Table of astronomical observations for 2004 JUL, listing stations like GUMO, CBIJ, JOW, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for MEX 17 20:38:37.0 ± 0.16, 16.69N-95.08W, h95km, 11km, MD4.0, D1, Oaxaca, listing stations like CMIG, HUIG, etc.

INMG 17 20:57:25.2 ± 0.8, 36.09N, 10.63W, h5km, ML2.6, Error ellipse: s-maj=4.4km s-min=2.9km az=76.0

MDD 17 20:57:23.1 ± 1.7, 36.18N, 10.69W, mblg.2/726, Error ellipse: s-maj=14.7km s-min=8.5km az=57.0, PRXIMO, Cordoba-Cape St. Vincent Ridge

Table of astronomical observations for PTEO, PALC, EGRO, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 2004 JUL, listing stations like MOE, EMIN, PTOM, etc., with columns for station name, coordinates, and observation details.

BUI 17 21:21:38.8, 52.54N-170.81W, h48km, mb4.8, NEIC 17 21:21:43.1 ± 0.5, 52.23N-171.44W, h44km, 5km, mb4.3/2, ML3.0(AEIC), Error ellipse: s-maj=12.4km s-min=4.3km az=166.0

IDL 17 21:21:45.1 ± 3.5, 52.25N-171.42W, h61km, 31km, mb3.6/18, mb1.3/8.20, mb1mx3.7/27, ML3.4/2, MS3.1/2, Ms1.3/1/2, ms1mx2.6/25, Error ellipse: s-maj=21.7km s-min=12.5km az=175.0

Table of astronomical observations for ATKA, NIKO, GSTR, etc., with columns for station name, coordinates, and observation details.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like ARCES, KURK, MKAR, MKAN, BVAR, etc.

IDC 1721:40:12.3.2, 1.23N-97.31E, mb3.7/4, mb1 3.8/5, Error ellipse: s-maj=120.0km s-min=22.4km az=61.0

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

IDC 1721:42:26.7.1, 3.52.10N-171.37W, mb3.5/6, mb1 3.8/8, mb1mx3.6/24, ML3.0/2, Error ellipse: s-maj=47.6km

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like NIKO, ATKA, GSIG, GSMY, etc.

KRSC 1721:51:35.5, 49.36N-156.69E, h38km, ML3.5, Kuril Islands

NIED 1722:15:00, 28.00N-130.30E, h14km, Mw4.1 Best double couple: M1: 42x10^15 NP1: 22, 859, 1.71; NP2: 237, 336, 1.19

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like JZK, JAM, JTK, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like JZK, JAM, JTK, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like BJI, BJI, ENH, XAN, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like ASAR, KEV, ARCES, etc.

IDC 1721:27:24.8.1, 2.54.69S-144.25E, mb3.9/5, mb1 4.1/5, mb1mx3.9/11, MS3.8/5, M1 3.8/5, ms1mx3.5/12, Error ellipse: s-maj=40.7km s-min=24.3km az=78.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like RPZ, STKZ, STKA, VVND, etc.

IDC 1722:41:19.3.1, 9.38.46N-106.26E, h1.0, h9km, 8km, n6, 0.035/12, Aegean Sea

IDC 1722:44:40.7.4, 2.73N-128.46E, h105km, 70km, mb3.7/10, mb2 3.7/10, mb1mx3.6/23, Error ellipse: s-maj=42.1km

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like IZM, KDAG, AKS, etc.

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

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like CPCH, VACH, TLL, etc.

TIF 1723:15:48.3, 42.61N-45.04E, h7km, Mpw4.2 MOS 1723:15:51.0, 1.6, 42.43N-45.12E, h13km, mb3.5/2, Error ellipse: s-maj=12.0km s-min=9.3km az=33.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like DUS, TIZ, TBLG, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like MTA, AKAS, BRTR, etc.

IDC 1722:17:24.5.0, 9.54.75S-101.144.3E, h10km, n13, 0.056/8, mb3.9/5, MS3.7/5, West of Macquarie Island

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like STE, AKH, MAK, etc.

IDC 1723:16:11.8.3, 4.50.38N-5.14E, h10km, 1km, M12.7, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like FINE, GERES, etc.

STR 1723:16:20.9, 50.75N-6.57E BGR 1723:16:18.3, 50.88N-6.24E, h10km, ML2.9/3, 7C-4D, Error ellipse: s-maj=4.4km s-min=2.2km az=107.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like JUE, HGN, etc.

Table of station data for 17d 23h, including columns for station name, coordinates, frequency, and other technical details.

Main table of station data for 2004 JUL, including columns for station name, coordinates, frequency, and other technical details.

Table of station data for 370, including columns for station name, coordinates, frequency, and other technical details.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations in the 371 MHz range.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations in the 2004 MHz range.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details for stations in the 18d 0h range.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WHZT Whakaora, DFE Dawson Falls, NEZ North Egmont, etc.

LDG 18 00:00:44.7±0.1, 50.88N, 6.22E, h12km, M12,2.7, Error ellipse: s-maj=1.2km s-min=1.1km az=87.0

BNS 18 00:00:44.5±0.7, 50.89N, 6.22E, h14km, ML1.4, Error ellipse: s-maj=1.2km s-min=1.1km az=87.0

ISC 18 00:00:42.9±0.4, 50.84N, 0.02±6.26E, 0.04, h14km, n16, ±19.32/34, 2C-1D, Germany

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JUE Julich, KLL Kallitaspere, HGN Heimangrosze, etc.

LDG 18 00:06:20.4±1.5, 53.12N, 162.09W, mb3.7/6, mb1.3, 3.8/8, mb1mx3.7/24, ML3.3/2, Error ellipse: s-maj=35.4km s-min=19.8km az=1.0

NEIC 18 00:06:25.9, 53.03N, 161.93W, h39km, ML3.6(AEIC), After AEIC

ISC 18 00:06:21.5±1.7, 52.96N, 0.05±161.83W±0.07, h23km±15km, n33, ±0.994/38, mb3.7/5, South of Alaska

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DRIA Deer Island, FALS False Pass, DTNA Dutton South F, etc.

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

ISC 18 00:29:48.6±4.5, 6.30S, 103.50E, mb3.5/4, mb1.3, 8.4/4, mb1mx3.5/15, Error ellipse: s-maj=166.0km s-min=29.1km az=52.0, Southwest of Sumatra

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, WRA Warramunga Arr, SONM Songoing Array, etc.

ISC 18 00:59:14.3±0.8, 55.07S, 128.65W, mb3.9/7, mb1.4, 2/7, mb1mx4.0/14, MS4.1/15, MS1.4.1/15, ms1mx4.0/18, Error ellipse: s-maj=46.7km s-min=21.2km az=160.0

NEIC 18 00:59:16.0±0.6, 55.03S, 128.70W, h10km, Error ellipse: s-maj=24.4km s-min=16.4km az=147.0

ISC 18 00:59:14.4±0.8, 55.1S, 0.2±128.6W, 0.3, h10km, n23, ±0.97/9, mb3.9/7, MS4.2/15, Pacific-Antarctic Ridge

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VNSA Vanda, QNSP South Pole 81, PLCA Rata Peaks, etc.

LDG 18 01:38:52.6±6.4, 17.74S, 178.66W, h625km, 82km, mb3.6/9, mb1.3, 8.9, mb1mx3.6/17, Error ellipse: s-maj=41.1km s-min=28.0km az=139.0

NEIC 18 01:38:53.9±4.3, 17.84S, 178.68W, h644km, 55km, mb4.1/9, Error ellipse: s-maj=37.9km s-min=19.2km az=154.0

ISC 18 01:38:51.6±0.8, 17.7S, 0.3±178.8W, 0.2, h625km, n24, ±0.96/22, mb4.1/16, 1C-1D, Fiji Islands Ridge

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CTA Charters Tower, PMG Port Moresby, PMG Port Moresby, etc.

STR 18 01:45:21.4±0.3, 48.29N, 6.55E, h10km±1km, M11.8, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

LDG 18 01:45:21.6±0.1, 48.29N, 6.55E, h7km, M2.3/2, M12.0/8, Error ellipse: s-maj=1.2km s-min=0.8km az=156.0

BGR 18 01:45:22.1±0.3, 48.27N, 6.57E, h10km, ML1.0/1, Error ellipse: s-maj=3.3km s-min=2.2km az=174.0

ISC 18 01:45:20.1±0.4, 48.24N, 0.03±6.49E, 0.02, h10km, n26, ±19.25/56, France

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

NAO 18 01:01:42.3±2.4, 67.83N, 20.70E, ML1.6, ML1.6 (NAO), BER 18 01:01:42.4±3.6, 67.89N, 20.19E, ML1.6, ML1.6 (NAO), Suspected explosion, Sweden

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KTK1 Kautokeino, KTK1 Kautokeino, TRO Tromso, etc.

LDG 18 01:38:52.6±6.4, 17.74S, 178.66W, h625km, 82km, mb3.6/9, mb1.3, 8.9, mb1mx3.6/17, Error ellipse: s-maj=41.1km s-min=28.0km az=139.0

NEIC 18 01:38:53.9±4.3, 17.84S, 178.68W, h644km, 55km, mb4.1/9, Error ellipse: s-maj=37.9km s-min=19.2km az=154.0

ISC 18 01:38:51.6±0.8, 17.7S, 0.3±178.8W, 0.2, h625km, n24, ±0.96/22, mb4.1/16, 1C-1D, Fiji Islands Ridge

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CTA Charters Tower, PMG Port Moresby, PMG Port Moresby, etc.

STR 18 01:45:21.4±0.3, 48.29N, 6.55E, h10km±1km, M11.8, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

LDG 18 01:45:21.6±0.1, 48.29N, 6.55E, h7km, M2.3/2, M12.0/8, Error ellipse: s-maj=1.2km s-min=0.8km az=156.0

BGR 18 01:45:22.1±0.3, 48.27N, 6.57E, h10km, ML1.0/1, Error ellipse: s-maj=3.3km s-min=2.2km az=174.0

ISC 18 01:45:20.1±0.4, 48.24N, 0.03±6.49E, 0.02, h10km, n26, ±19.25/56, France

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

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like CABF La Chapelle, SSF Saint Saulte, SMF Signal de Mont, AVF Avril sur Loir, BGF Bois d'Angland.

NEIC 18 01:56:24.0, 33.22S:72.02W, h41km, MD3.6(GUC), After GUC

GUC 18 01:56:24.0, 8, 33.22S:72.02W, h41km, 2km, MD3.6, ML3.2, SC-3D, Off coast of central Chile

Main station list table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like IHA Instituto Hidir, LCHH Las Cruces, PACH Papudo, ROCH El Roble, etc.

ISC 18 01:58:49.9, 40.59N:33.03E, h6km, MD2.9
ISC 18 01:58:50.2, 0.5, 40.59N:0.03:33.03E:0.03, h4km, 7km, n15, c0981/25, Turkey

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ELDT Eldivan, CANT Cankiri, SAFT Safranbolu, etc.

STR 18 02:16:02.1±0.2, 42.92N:1.04E, h10km±1km, M13.7, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

LDG 18 02:16:02.1±0.1, 42.87N:0.97E, h10km, M13.7/6, M13.8/36, Error ellipse: s-maj=1.4km s-min=1.2km az=19.0

NEIC 18 02:16:02.1, 42.92N:1.04E, h10km, ML3.8(LDG), ML3.7(STR), ML3.4(MRB), MN3.3(MDD), After STR

MDD 18 02:16:02.4±0.1, 42.91N:1.03E, h7km, 1km, mBLq3, 2/M2, Error ellipse: s-maj=1.7km s-min=1.2km az=5.0, PRXIMO

INMG 18 02:16:05.3±1.6, 42.86N:1.02E, h22km±5km, ML3.0, Error ellipse: s-maj=5.8km s-min=3.7km az=68.0

ISC 18 02:15:59.4±0.1, 42.992N:0.009:1.04E:0.01, h10km, n180, c1940/378, SC-1D, Pyrenees

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MLS Moulis, MELF Melles, SALF Salau, GRRF Gourbit, etc.

Main station list table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like VIEF Vief, CORG Organya, CARR Carcanieres, etc.

Main station list table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PUM Collangettes, TORRE Torete, ETOR, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like SAOP Saorge, ESDC Sonseca Array, EVIA Vianos, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like EHOR Hornachuelos, ELOJ Sierra Loja, BAIF Baives, etc.

NEIC 18 02:16:00.0-5.5, 3.19S; 134.07E; h35km, 52km, Error ellipse: s-maj=39.6km s-min=18.0km az=55.0

ISC 18 02:17:01.1-7.3, 3.12S; 134.31E; h48km, 71km, mb3.7/7, mb1 4.0/9, mb1mx3.9/14, ML3.8/2, MS3.3/1, Ms1 3.3/1, ms1mx2.7/17, Error ellipse: s-maj=52.3km s-min=20.3km az=60.0

ISC 18 02:17:13.9-4.3, 3.85N; 133.8E; 0.1, h195km, 44km, n16, o150/17, mb3.5/5, Irian Jaya region

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WB2 Warramunga Arr, WRA Warramunga Arr, FITZ Fitzroy Crossi, etc.

NEIC 18 02:40:12.9, 35.19N; 4.03W, MG3.8(MDD), After MDD. MDD 18 02:40:12.8; 1.4, 35.10N; 3.97W, h8km, 25km, mb3.8/15, Error ellipse: s-maj=31.2km s-min=8.2km az=168.0, PRXIMO Aftershock PLICA

INMG 18 02:40:13.8; 1.1, 35.25N; 4.04W, h1km, 15km, ML2.4, Error ellipse: s-maj=14.0km s-min=3.4km az=161.0

ISC 18 02:40:14.1-0.9, 35.39N; 0.05-4.11W; 0.04, h10km, n43, o111/60, 2C, Strait of Gibraltar

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like EMIJ Mijas, REAL Reales, ERON Agron, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like EHOR, EADA Adamuz, EADA, ECAB EI Cabril, etc.

ATH 18 02:49:36.5, 34.95N; 26.66E, h20km, 3km, MD3.5/9, NEIC 18 02:49:37.3, 35.00N; 26.65E, h22km, MD3.5(ATH), After ATH.

ISC 18 02:49:38.3-1.5, 35.08N; 0.09-26.61E; 0.07, h16km, 13km, n11, i1935/15, Crete

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KARP Karpathos, XRY Khriasi, NPS Neapolis, etc.

SVSA 18 02:50:22.1; 1.1, 38.75N; 30.15W, MD3.6, ML2.7, Error ellipse: s-maj=35.1km s-min=11.3km az=4.0, Azores Islands

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PCED Cedros, CALA Caldeira, PICO Pico, etc.

BJI 18 02:56:03.7, 7.50S; 125.00E, h558km, mb4.8, mb4.8, NEIC 18 02:56:05.0; 0.2, 7.28S; 124.70E, mb4.7/31, MD4.9(DJA), Error ellipse: s-maj=6.8km s-min=4.4km az=68.0

MOS 18 02:56:05.6, 0.9, 7.24S; 124.66E, h553km, mb4.8/17, Error ellipse: s-maj=25.5km s-min=10.9km az=104.7, IDC 18 02:56:05.8; 1.4, 7.29S; 124.64E, h532km, 15km, mb4.1/17, mb1 4.1/20, mb1mx4.1/21, Error ellipse: s-maj=17.4km s-min=7.6km az=68.0

SYO 18 02:56:05.2, 7.28S; 124.70E, h531km, MB4.7, ISC 18 02:56:04.2; 0.6, 7.24S; 0.04-124.67E; 0.05, h529km, 6km, h526km, 3.2km; p-P, n162, o093/124, mb4.6/57, 7C-12D, Banda Sea



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, etc. Includes stations like Kedondong, Ratih, KAKA, Warrungarra Arr, etc.

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

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

IDC 18 03:08:00.5:25.0, 18.1315:177.82W, h470km, 220km, mb3.1/3, mb1 3.4/3, mb1 mx3.0/15, Error ellipse: s-max=298.0km s-min=45.6km az=132.0, Fiji Islands

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

NEIC 18 03:09:22.5, 38.01S:176.52E, h7km, ML3.9(WEL), After

WEL 18 03:09:22.5:0.1, 38.01S:176.52E, h5km, ML3.9/10, Error ellipse: s-max=0.5km s-min=0.5km az=90.0

WEL Felt from Bay of Plenty to Rotorua, maximum reported intensity ML3.5

ISC 18 03:09:23.0:0.5, 38.03S:0.03E, 176.50E:0.05, h9km, 4km, n39, c097/44, 9C-4D, North Island

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like UTU Utuhina, TGRZ Tauranga, PAZT Paerua, etc.

SVSA 18 03:15:07.9±1.1, 38.81N±30.15W, MD3.5, ML2.8, Error ellipse: s-maj=32.2km s-min=9.9km az=8.0, Azores Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PCED Cedros, CALA Caldeira, ROSA Rosais, etc.

MOS 18 03:17:41.1±1.5, 38.71N±30.44W, h10km, mb4.4/18, Error ellipse: s-maj=20.7km s-min=10.7km az=60.5

IDC 18 03:17:41.5±0.6, 38.78N±30.30W, mb4.1/24, mb1.4, 3/24, ms1mx4.2/30, MS4.0/24, Ms1 4.0/24, ms1mx3.9/30, Error ellipse: s-maj=17.8km s-min=12.6km az=168.0

SVSA 18 03:17:43.4±0.9, 38.73N±30.14W, MD4.3, ML4.0, Error ellipse: s-maj=9.0km s-min=4.6km az=7.0

NEIC 18 03:17:43.3±0.3, 38.76N±30.28W, h10km, mb4.3/51, MS3.8/3, Error ellipse: s-maj=11.1km s-min=4.4km az=0.0

ISC 18 03:17:40.7±0.3, 38.36N±0.06±30.06W±0.03, h10km, n164, ±1931.67, mb4.3/60, MS4.0/27, Azores Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CALA Caldeira, ROSA Rosais, PIED Piedade, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PTOM Tomar, STS Santiago, ELOB Lobios, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ESLS Sonseca Array, ELUJ Luque, ELOJ Sierra Laja, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like LFF La Freixo, LDF La Druiteira, EPOB Poblet, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CALA Caldeira, ROSA Rosais, PIED Piedade, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CALA Caldeira, ROSA Rosais, PIED Piedade, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CALA Caldeira, ROSA Rosais, PIED Piedade, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like YKA Yellowknife Arr, YKA Yellowknife Arr, BDFB Red Top Meadow, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CPUP Vila Florida, NVS Novosibirsk, KURK Kurchatov, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CALA Caldeira, ROSA Rosais, PIED Piedade, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CALA Caldeira, ROSA Rosais, PIED Piedade, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CALA Caldeira, ROSA Rosais, PIED Piedade, etc.



18d 4h

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res. Includes stations like KAAZ Kauri Point, RPZ Rata Peaks, CTZ Charters Tower, etc.

WEL 18 04:59:25.3 ± 0.2, 37.995° × 176.51E, h5km, ML3.5/7, Error ellipse: s-maj=1.6km s-min=1.4km az=0.0, North Island

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res. Includes stations like LIRZ Lichensteins R, MARZ Manawhere, MKRZ Makatiti, etc.

NAO 18 04:02:26.2 ± 0.0, 67.64N-33.78E, ML2.5 HEL 18 04:02:26.0 ± 0.4, 67.68N-33.80E, ML2.3, ML2.2(BER), ML2.5(NAO), Explosion

ISC 18 04:02:27.4 ± 1.8, 67.73N-33.65E, mb1 3.4/5, mb1mx3.1/2.1, ML3.1/5, Error ellipse: s-maj=19.2km s-min=8.8km az=82.0

ISC 18 04:02:28.0 ± 0.6, 67.51N-0.03, 32.44E, 0.08, n219/214, Baltic States - Belarus - Northwestern Russia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res. Includes stations like APAO Apatity Array, MSF Maaselka, SGF Sodankyl, KEV Kevo, etc.

2000 JUL

MOS 18 04:10:21.0 ± 1.6, 45.66N-149.92E, h121km, mb4.0/1, Error ellipse: s-maj=61.0km s-min=35.2km az=172.2

ICC 18 04:10:23.3 ± 4.1, 45.68N-149.95E, h123km, 46km, mb3.2/5, mb1 3.5/6, mb1mx3.3-2.22, Error ellipse: s-maj=75.1km s-min=27.2km az=175.0

JMA 18 04:10:25.0 ± 0.6, 44.95N-149.88E, h121km, M3.5 ISC 18 04:10:20.8 ± 0.7, 45.31N-149.89E, 0.08, h121km, n26, s146;32, mb3.5/5, 1C, Kuril Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res. Includes stations like KUR Kuril'sk, NEM Nemuro 2, JRM Rausu, etc.

ISC 18 04:11:07.8 ± 4.6, 5.31S-104.75E, mb3.7/3, mb1 3.9/3, mb1mx3.6/1.5, Error ellipse: s-maj=180.0km s-min=79.3km az=65.0, Southern Sumatara

BUI 18 04:22:20.1 ± 38.32S-176.05E, h5km, mb5.4, mb5.1, Ms3.3, Ms2.9

HRVD 18 04:22:22.6 ± 0.2, 37.98S-176.58E, h12km, MW5.4/68, Centroid moment tensor solution. LP body waves: s56, c95, mantle waves: s68, c140; Half duration: 192

SYO 18 04:22:22.6, 38.00S-176.51E, h5km, MB5.1, MS5.1 WEL 18 04:22:22.7 ± 0.1, 38.01S-176.51E, h5km, ML5.1/19, Error ellipse: s-maj=0.7km s-min=0.7km az=90.0

NEIC 18 04:22:22.6, 38.00S-176.51E, h5km, mb5.1/15, MS5.1/2, MW5.6, Moment tensor solution. s3 Moment tensor: Mw=0.82; Ms=0.7; Best double couple: M=1.64x10^17 Np1=55°, s61°, λ=24°, NP2=157°, δ69°, λ=149°. Principal axes: P=1.72, P1g5°, Azm284°; N=36, P1g53°, Azm188°; P=1.36, P1g36°, Azm18°; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s.

WEL Fell from Waikato to Bay of Plenty, maximum reported intensity MM 8

NEIC 18 04:22:22.6, 38.00S-176.51E, h5km, mb5.1/15, MS5.1/2, MW5.6, Moment tensor solution. s3 Moment tensor: Mw=0.82; Ms=0.7; Best double couple: M=1.64x10^17 Np1=55°, s61°, λ=24°, NP2=157°, δ69°, λ=149°. Principal axes: P=1.72, P1g5°, Azm284°; N=36, P1g53°, Azm188°; P=1.36, P1g36°, Azm18°; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s.

NEIC One person killed and two injured in the Rotorua-Tauranga area. Five houses heavily damaged at Lake Roto Ma. Landslides occurred on the highway between Lake Rototiti and Lake Roto Ma. Fell from Tauranga to Whakatana. This is the largest of a series of earthquakes in the Lake Rototiti area.

MOS 18 04:22:26.4 ± 2.0, 39.33S-176.33E, h33km, mb4.9/7, MS5.0/6, Error ellipse: s-maj=26.4km s-min=21.4km az=107.8

ISC 18 04:22:22.5 ± 0.3, 38.02S-0.02-176.47E, 0.03, h14km, 2km, h13km, 2.0km; P-P, n209, s190S/170, mb4.8/2.1, MS5.0/30, 8C-11D, North Island

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res. Includes stations like LIRZ Lichensteins R, MKRZ Makatiti, MARZ Manawhere, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res. Includes stations like MWZ Matawai, WATZ Wairara, KATZ Kakarama, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like NWAO, FITZ, QSPA, MAW, SYO, SNA, VNA, PLCA, LIRZ, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like LZH, TXAR, WMO, MKAR, MKAR, KURK, BVAR, BRVK, ARCES, GOF, KIV, KIV, KIV, ASF, JMIC, MALT, JOF, JOF, MOS, OBN, OBN, OBN, LIC, KIC, TIC, DBIC, DBIC, KAF, FINES, FINES, FINES, AKASG, AKASG, BRG, BRG, CLL, CLL, CLL, MOX, MOX, GERES, GRF, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like BRVK, GERES, ILAR, WEL, LIRZ, MKRZ, MARZ, TAZ, EDZR, TGRZ, URZ, TOZ, MWZ, WEL, LIRZ, MKRZ, MARZ, TAZ, EDZR, TGRZ, URZ, TOZ, MWZ, WEL, LIRZ, MKRZ, MARZ, TAZ, EDZR, TGRZ, URZ, TOZ, MWZ, etc.









ISK 18 07:54:59.7, 34.54N-27.21E, h6km, MD3.8
NEIC 18 07:55:09.9, 35.17N-27.15E, h21km, MD3.5(ATH), After ATH.
IDC 18 07:55:09.7, 7.0, 33.98N-27.08E, h59km, 46km, mb3.4/1, mb1 3.3/4, mb1mx3.1/20, ML3.4/3, Error ellipse: s-maj=97.7km s-min=25.3km az=11.0

ATH 18 07:55:09.9, 35.17N-27.15E, h21km, 2km, MD3.5/8
ISC 18 07:55:09.0, 8.35, 10N-0.06, 27.24E, 0.06, h10km, n34, c1514/41, mb3.4/1, 1C-2D, Dodecanese Islands

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

IDC 18 07:57:28.4-9.1, 17.96Sx178.81W, h522km, 110km, mb3.2/9, mb1 3.4/9, mb1mx3.1/3, Error ellipse: s-maj=49.9km s-min=23.0km az=9.0

NEIC 18 07:57:30.6, 0.6, 17.97Sx178.88W, h550km, mb4.0/2, Error ellipse: s-maj=26.2km s-min=12.4km az=145.0

ISC 18 07:57:25.8, 0.7, 17.97S, 178.9W, 0.2, h500km, n15, c092/14, mb3.5/9, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like URZ Urewera, CTA Charters Tower, TOO Tolongi, etc.

NNC 18 08:31:42.1, 8.4, 33.08N, 69.34E, h19km, 76km, Error ellipse: s-maj=59.4km s-min=51.8km az=29.0

HRVD 18 08:31:45.8, 0.3, 33.43N, 69.63E, h17km, 1km, MW5.2/57, Centroid moment tensor solution, LP body waves: s38, c53, Mantle waves: s57, c117; Half duration: 0

Moment tensor: Scale 10^16Nm; Mo, 0.46t; 18; Mo-6.02t; 19; Mo-5.56t; 18; Mo-3.73t; 60; Mo-1.07t; 14; Mo-0.16t; 39; Best double couple: Mo-6.73x10^16 NP1; phi=217; delta=16; NP2: phi=312; delta=75; lambda=160; Principal axes: T 5.67, P1g3; Azm84; N 2.13, P1g66; Azm348; P -7.8, P1g24; Azm175; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s.

NEIC 18 08:31:45.8, 0.2, 33.43N, 69.52E, h10km, mb5.1/11, MS4.8/18 Error ellipse: s-maj=8.7km s-min=4.3km az=107.0

NEIC Two people killed, 40 injured and hundreds of houses destroyed in Paktia Province.

BUI 18 08:31:45.6, 33.56N, 69.61E, h10km, mb5.1, mb5.0, Ms5.2, Ms2.8

IDC 18 08:31:46.3, 3.5, 33.39N, 69.42E, h14km, 21km, mb4.8/24, mb1 4.9/26, mb1mx4.9/26, ML4.7/2, MS4.6/23, Ms1 4.6/23, ms1mx4.5/32, Error ellipse: s-maj=18.3km s-min=11.2km az=28.0

MOS 18 08:31:48.6, 1.3, 33.62N, 69.66E, h33km, mb5.2/30, MS4.7/34, Error ellipse: s-maj=8.8km s-min=5.1km az=107.0

ISC 18 08:31:44.5, 0.1, 33.29N, 0.02, 69.52E, 0.02, h16km, h16km, 2.7km, pP, p41, c1544/476, mb5.0/170, MS4.8/74, 29C-13D, Southeastern Afghanistan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like SHW Sheikh Budin, DP Derazinda, THW Thame Wali, etc.

Main table with columns: KUDL Kundal, Time, Res, ISC. Lists stations like Tashkent, Kashi, Aya Nagar, Ajmer, New Delhi, Agra, Uchtr, Karatay Array, etc.

Main table with columns: LSA LSA, Time, Res, ISC. Lists stations like Al-Radiif, Vostochayna, Borovoye Array, etc.





18d 10h

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

IDC 18 08:51:49.7±1.0, 2.77N, 127.47E, mb4.1/8, mb1 4.3/8, mb1mx4.0/19, Error ellipse: s-maj=63.6km s-min=15.0km az=73.0

NEIC 18 08:52:05.5±3.6, 2.70N, 127.50E, h136km, mb4.4/5, Error ellipse: s-maj=33.8km s-min=11.4km az=76.0

ISC 18 08:51:58.6±1.6, 2.71N, 127.35E, h102.0, h84km, n22, s=086/23, mb4.2/10, 10, Northern Molucca Sea

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

TAP 18 08:58:55.4, 23.92N, 122.48E, h28km, 1km, ML2.9

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

2004 JUL

IDC 18 09:04:30.5±5.4, 28.60S, 177.85W, mb3.9/3, mb1 4.1/3, mb1mx3.8/13, Error ellipse: s-maj=177.0km s-min=85.2km az=155.0

NEIC 18 09:04:31.6±1.4, 29.14S, 177.64W, h15km, mb4.2/1, Error ellipse: s-maj=41.5km s-min=26.8km az=204.0

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

NEIC 18 09:34:16.8, 16.58N, 100.22W, h7km, MD3.9(MEX), After MEX.

MEX 18 09:34:17.1±0.5, 16.59N, 100.24W, h7km, 7km, MD3.9, 1C, Near coast of Guerrero

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

PRU 18 09:34:35.6±1.5, 40N, 16.17E

WAR 18 09:34:36.0, 51.45N, 16.17E, ML2.6, Mining Induced, Poland

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

BJI 18 10:18:33.1, 52.07N, 132.04W, h7km, mb4.3, mb4.4, Ms4.1, Ms3.9

PGC 18 10:18:36.7±0.5, 52.21N, 131.36W, h20km, ML4.2/25, West coast Moresby Island, British Columbia

NEIC 18 10:18:36.7±0.5, 52.21N, 131.49W, h10km, mb3.9/17, Error ellipse: s-maj=8.7km s-min=4.6km az=58.0

IDC 18 10:18:38.0±1.0, 52.02N, 131.25W, mb3.7/3, mb1 3.4/11, mb1mx4.0/25, ML3.8/8, MS3.9/11, Ms1 3.5/11

ms1mx3.3/25, Error ellipse: s-maj=13.7km s-min=7.9km az=15.0

ISC 18 10:18:37.2±0.3, 52.10N, 132.01W, 0.04, h10km, n151, s133/183, mb4.0/9, MS3.3/8, Queen Charlotte Islands region

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

BPBC Brooks Peninsula 2.85 132 P Pn 19 20.23 -3.3

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

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

OCWA Octopus Mountain 6.23 132 eP Pn 10 20.11.3 -0.2

MCW Mount Constitute 6.29 120 P Pn 10 20.13.8 +1.5

DLBC Dease Lake 6.38 5 Pn 10 20.15.2 +1.6

DLBC 8.7nm, 0.3s, baz=321, slow=17, SNR=12

DLBC Dease Lake 6.38 5 Pn 10 21.52.1 +1.5

DLBC Dease Lake 6.38 5 Pn 10 22.05.6 +1.6

VDB Vedder Mountain 6.50 115 P Pn 10 20.14.2 -1.1

VDB Vedder Mountain 6.50 115 Pn 10 22.32.3 +8.5

BMBC Bull Mountain 6.59 50 P Pn 10 20.18.9 +2.4

BMBC Bull Mountain 6.59 50 Pn 10 22.29.9 +2.4

MBW Mount Baker 6.74 116 P Pn 10 20.19.9 +1.2

CMW Cullts Mountain 6.82 119 P Pn 10 20.20.5 +0.6

HDW Hoopsport 6.84 127 P Pn 10 20.19.8 -0.2

GNW Green Mountain 7.01 127 eP Pn 10 20.22.2 -0.2

JCW Jim Creek 7.09 120 P Pn 10 20.23.5 +0.3

RPW Rockport 7.14 117 P Pn 10 20.24.3 0.0

HTW Haystack Looko 7.35 122 P Pn 10 20.27.9 +0.1

RMW Rattlesnake Mo 7.59 124 eP Pn 10 20.29.4 -1.2

GSM Grass Mountain 7.77 125 P Pn 10 20.33.6 +0.6

PNT Pentlton 7.80 106 P Pn 10 20.34.4 +1.0

DOW Downie Slide 7.82 89 Pn 10 22.47.4 -1.0

FMW Mount Fremont 8.02 126 P Pn 10 20.36.8 +0.3

LON Longmire 8.07 128 eP Pn 10 20.36.6 -0.7

KMR Kings Mountain 8.18 139 P Pn 10 20.38.8 0.0

FNBB Fort Nelson 8.20 31 P Pn 10 20.39.9 +0.8

FNBB Fort Nelson 8.20 31 Pn 10 23.07.7 -6.5

FNBB Fort Nelson 8.20 31 Pn 10 23.13.1 +0.7

ETW Entiat 8.28 119 P P 10 20.40.7 +0.6

LVP Lakeview Peak 8.30 133 P P 10 20.41.0 +0.5

TBM Table Mountain 8.40 122 P P 10 20.42.2 +0.3

MSO Mount Adams-S 8.51 130 P P 10 20.45.6 +0.3

WHY Whitehorse 8.83 348 P P 10 20.46.9 -1.0











Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EADA Adamuz, ESAC San Caprasio, ESAC, EHOR Hornachuelos, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EMIN, ESAC San Caprasio, ESAC, EHOR Hornachuelos, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MOE Montemor, MOE, MOE, PBEJ Beja, etc.

INMG 18 15:52:50.5, 1.2, 42.80N, 7.17W, h8km, 3km, ML2.4, Error ellipse: s-maj=2.2km s-min=1.8km az=113.0

INMG 18 16:10:46.7, 1.5, 42.79N, 7.19W, h7km, 3km, ML2.5, Error ellipse: s-maj=3.2km s-min=2.2km az=105.0

MOE Montemor 4.36 192 Pn Pn 16 11 57.0 -1.7

MDD 18 15:52:50.5, 0.3, 42.80N, 7.17W, h2km, 4km, mblG2.7/17, 3D, Error ellipse: s-maj=3.2km s-min=1.8km az=88.0

MDD 18 16:10:46.6, 0.3, 42.80N, 7.21W, h3km, 3km, mblG2.6/28, 2D, Error ellipse: s-maj=3.5km s-min=2.0km az=97.0

MOE Montemor 4.36 192 Pn Pn 16 11 57.0 -1.7

CEBREIRO, Spain

CEBREIRO, Spain

Main station list for CEBREIRO, Spain. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EINC Incio, ERUA La Rua, EPON Pontenova, etc.

Main station list for CEBREIRO, Spain. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EINC Incio, ERUA La Rua, EPON Pontenova, etc.

Main station list for CEBREIRO, Spain. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MOE Montemor, MOE, MOE, PBEJ Beja, etc.

GRAL 18 16:11:55.1, 1.2, 33.14N, 35.09E, h24km, MD2.8

NSSC 18 16:11:56.2, 33.13N, 35.49E, h10km

ISC 18 16:11:55.3, 0.4, 33.14N, 0.02, 35.45E, h5km, 3km, ML2.7/10

n22, e064/33, 6D, Jordan - Syria region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KSDI Kefar Szold, HNTI Hanita, HNTI, etc.

NEIC 18 16:28:07.0, 0.8, 50.86N, 6.29E, h13km, 10km, ML2.8(LDG)

BGR 18 16:28:08.1, 0.5, 50.81N, 6.35E, h10km, ML2.3/3, Error ellipse: s-maj=7.8km s-min=3.3km az=157.0

LDG 18 16:28:09.4, 1.0, 50.87N, 6.21E, h11km, Md3.1/3, ML2.8/11, Error ellipse: s-maj=1.5km s-min=1.3km az=113.0

BNS 18 16:28:09.4, 1.0, 50.91N, 6.24E, h14km, 9km, ML2.1

ISC 18 16:28:08.5, 0.4, 50.83N, 0.03, 6.19E, 0.04, h24km, 3km, n29, e110/64, 2C-3D, Germany

Main station list for Germany. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JUE Julich, HGN Heimensgroeve, HGN, etc.

Table listing astronomical observations for 18d 19h, including fields like IBBN, SNR, and various station names and coordinates.

Table listing astronomical observations for 18d 19h, including fields like KBA, Koelnbreinsper, CEY, and various station names and coordinates.

Table listing astronomical observations for 18d 19h, including fields like WRA, Warramunga Arr, ASAR, and various station names and coordinates.

NEIC 18 17:37:33.1, 16.21N-99.10W, h23km, MD3.9(MEX), After MEX.

MEX 18 17:37:32.0, 8.6, 16.28N-99.16W, h20km, 60km, MD3.9.

Near coast of Guerrero

Table listing astronomical observations for 18d 19h, including fields like Code, Station Name, and various station names and coordinates.

NEIC 18 19:23:20.8, 1.7, 24.18S-179.93E, h496km, 19km, mb4.7H, Error ellipse: s-maj=11.2km s-min=9.2km

IDC 18 19:23:20.8, 1.2, 24.28S-179.97E, h499km, 10km, mb4.0/18, mb1.4/0.19, mb1mx4.0/2.2, Error ellipse: s-maj=13.9km s-min=12.6km az=138.0

SYO 18 19:23:20.7, 2.4, 18S-179.93E, h496km, MB4.5, BUJ 18 19:23:21.1, 2.3, 63S-179.45E, h496km, mb4.7, mb4.6

ISC 18 19:23:22.1, 2.4, 24.25S-0.07E, h521km, 19km, n61.0, f08956, mb4.4/28, 2C-12D, South of Fiji Islands

Table listing astronomical observations for 18d 19h, including fields like Code, Station Name, and various station names and coordinates.

Table listing astronomical observations for 18d 19h, including fields like Code, Station Name, and various station names and coordinates.

JMA 18 16:58:07.3, 0.2, 22.78N-122.80E, h64km, M2.7, TAP 18 16:58:11.7, 23.03N-122.23E, h48km, 1km, ML3.6.

Taiwan region

Table listing astronomical observations for 18d 19h, including fields like Code, Station Name, and various station names and coordinates.

JMA 18 17:08:17.5, 0.1, 24.64N-123.08E, h75km, 1km, M2.7, TAP 18 17:08:18.1, 24.50N-122.97E, h16km, ML3.6

ISC 18 17:08:17.6, 2.1, 24.6N-123.06E, h75km, 1.4km, n78.089/14, Southwestern Ryukyu Islands

Table listing astronomical observations for 18d 19h, including fields like Code, Station Name, and various station names and coordinates.

IDC 18 17:11:43.5, 18.0, 2.64N-128.61E, h195km, 192km, mb3.4/7, mb1.3/6.7, mb1mx3.1/4.7, Error ellipse: s-maj=95.5km s-min=17.1km az=56.0

ISC 18 17:11:25.2, 1.2, 2.9N-0.2, 128.9E, 0.4, h33km, n7, s080/7, mb3.8/7, Halmaheera

Table listing astronomical observations for 18d 19h, including fields like Code, Station Name, and various station names and coordinates.

NAO 18 17:23:59.8, 2.5, 67.84N-20.38E, ML2.0, BER 18 17:24:01.8, 4.1, 67.87N-20.27E, ML1.5, ML2.0(NAO), Suspected explosion

ISC 18 17:24:01.3, 1.6, 68.00N-0.09, 20.0E, 0.1, n9.0, c050/7, Sweden

Table listing astronomical observations for 18d 19h, including fields like Code, Station Name, and various station names and coordinates.

IDC 18 17:28:18.2, 2.0, 2.24N-126.74E, mb3.5/4, mb1.3/8/4, mb1mx3.5/1.6, Error ellipse: s-maj=120.0km s-min=25.5km az=69.0, Northern Molucca Sea

Table listing astronomical observations for 18d 19h, including fields like Code, Station Name, and various station names and coordinates.

NEIC 18 19:23:20.8, 1.7, 24.18S-179.93E, h496km, 19km, mb4.7H, Error ellipse: s-maj=11.2km s-min=9.2km

IDC 18 19:23:20.8, 1.2, 24.28S-179.97E, h499km, 10km, mb4.0/18, mb1.4/0.19, mb1mx4.0/2.2, Error ellipse: s-maj=13.9km s-min=12.6km az=138.0

SYO 18 19:23:20.7, 2.4, 18S-179.93E, h496km, MB4.5, BUJ 18 19:23:21.1, 2.3, 63S-179.45E, h496km, mb4.7, mb4.6

ISC 18 19:23:22.1, 2.4, 24.25S-0.07E, h521km, 19km, n61.0, f08956, mb4.4/28, 2C-12D, South of Fiji Islands

Table listing astronomical observations for 18d 19h, including fields like Code, Station Name, and various station names and coordinates.

Table listing astronomical observations for 18d 19h, including fields like Code, Station Name, and various station names and coordinates.

Table listing astronomical observations for 18d 19h, including fields like Code, Station Name, and various station names and coordinates.

IDC 18 17:11:43.5, 18.0, 2.64N-128.61E, h195km, 192km, mb3.4/7, mb1.3/6.7, mb1mx3.1/4.7, Error ellipse: s-maj=95.5km s-min=17.1km az=56.0

ISC 18 17:11:25.2, 1.2, 2.9N-0.2, 128.9E, 0.4, h33km, n7, s080/7, mb3.8/7, Halmaheera

Table listing astronomical observations for 18d 19h, including fields like Code, Station Name, and various station names and coordinates.

NAO 18 17:23:59.8, 2.5, 67.84N-20.38E, ML2.0, BER 18 17:24:01.8, 4.1, 67.87N-20.27E, ML1.5, ML2.0(NAO), Suspected explosion

ISC 18 17:24:01.3, 1.6, 68.00N-0.09, 20.0E, 0.1, n9.0, c050/7, Sweden

Table listing astronomical observations for 18d 19h, including fields like Code, Station Name, and various station names and coordinates.

IDC 18 17:28:18.2, 2.0, 2.24N-126.74E, mb3.5/4, mb1.3/8/4, mb1mx3.5/1.6, Error ellipse: s-maj=120.0km s-min=25.5km az=69.0, Northern Molucca Sea

Table listing astronomical observations for 18d 19h, including fields like Code, Station Name, and various station names and coordinates.

NEIC 18 16:28:41.9, 0.6, 72.94N-5.25E, h10km, Error ellipse: s-maj=10.4km s-min=7.3km az=87.0

IDC 18 16:28:41.1, 1.9, 72.87N-5.26E, mb3.2/1, mb1.3/5/7, mb1mx3.3/2.4, ML3.1/6, MS3.2/10, Ms1.3/2/10, mb1mx3.1/2.2, Error ellipse: s-maj=27.2km s-min=22.3km az=89.0

ISC 18 16:28:39.5, 0.8, 72.94N-0.06, 5.2E, 0.3, h10km, n18, c078/12, mb3.1/1, MS3.3/7, Norwegian Sea

Table listing astronomical observations for 18d 19h, including fields like Code, Station Name, and various station names and coordinates.

ROM 18 16:57:16.1, 0.3, 46.31N-13.62E, h10km, MD2.6/3, ML2.1/4, Error ellipse: s-maj=2.1km s-min=1.8km az=90.0

LJLJ 18 16:57:17.0, 46.31N, 13.60E, h8km, ML2.0

NEIC 18 16:57:17.0, 46.29N, 13.60E, h5km, MD2.6(ROM), ML2.5(VIE), ML2.3(FUR), ML2.2(LJU), ML2.0(SZGRF), Error ellipse: s-maj=4.3km s-min=2.7km az=207.0

ISC 18 16:57:16.9, 0.2, 46.32N-0.02, 13.62E, 0.02, h4km, 4km, n42, c0594/80, 10C-9D, Austria

Table listing astronomical observations for 18d 19h, including fields like Code, Station Name, and various station names and coordinates.

MAW Mawson Array 77.36 200 P 19 34 23.5 0.0

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes entries for MKAR, ARCES, JOF, FINES, etc.

IDC 18 20:55:33.4.2.5, 2.81N, 128.71E, mb3.4/3, mb1 3.6/3, mb1mx3.4/16, Error ellipse: s-maj=189.0km s-min=24.6km az=69.0, Halmahera

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes entries for WRA, ASAR, MKAR, etc.

NEIC 18 20:23:49.1.1.2, 51.66N, 16.25E, h5km, ML2.9(VIE), ML2.8(SZGRF), ML2.5(BRG), ML2.4(CLL), Error ellipse: s-maj=14.1km s-min=6.3km az=198.0

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes entries for KSP, BRG, CLL, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes entries for MORC, KHC, MOX, etc.

WEL 18 20:45:46.0.1.37.99S, 176.50E, h10km, ML3.6/10, 7C-4D, Error ellipse: s-maj=0.8km s-min=0.6km az=90.0, North Island

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes entries for LIRZ, MARZ, MKRZ, etc.

LDG 18 21:34:34.7.0.4, 42.86N, 0.86W, h2km, Mdl1.5/2, M1.3/1, Error ellipse: s-maj=16.2km s-min=2.1km az=152.0

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes entries for ATE, LARF, ORD, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes entries for EALK, EPF, etc.

IDC 18 21:46:48.7.1.1, 23.95N, 96.07E, mb3.6/7, mb1 3.8/8, mb1mx3.6/18, ML4.2/1, Error ellipse: s-maj=51.0km s-min=18.5km az=62.0

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes entries for IMP, SHL, CHRT, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes entries for NANT, LSA, BDT, etc.

NEIC 18 21:49:13.6.38.42N, 21.91E, h9km, MD2.9(ATH), After ATH. ATH 18 21:49:13.6.38.42N, 21.91E, h9km, MD2.9/5

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes entries for RLS, RVS, RLR, etc.

IDC 18 21:54:11.6.1.6, 6.70S, 129.95E, mb4.0/2, mb1 4.6/5, mb1mx4.1/13, ML4.6/3, Error ellipse: s-maj=56.6km s-min=25.0km az=70.0

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes entries for KAKA, FITZ, etc.

DJA 18 22:02:43.9.99.0, 8.86S, 116.07E, h30km, MD5.3/3, ML3.5/2, 2C-5D, Sumbawa region

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes entries for KEDI, RATI, etc.

TAP 18 22:04:18.9.23.78N, 122.37E, h4km, ML4.0, JMA 18 22:04:19.9.0.3, 23.84N, 122.52E, h2km, M3.3

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes entries for YOJ, HATJ, etc.

IDC 18 22:39:09.7.0.2, 191.05N, 08.69W, 0.1, h12km, 10km, n21, c0F9721, mb3.9/10, ID, Northern Chile

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes entries for LVC, LVPZ, CPUP, etc.

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes entries for LTX, TXAR, GDL, etc.

STR 18 23:00:38.9.0.1, 43.08N, 0.59W, h5km, 1km, M1.2, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

LDG 18 23:00:39.7.0.2, 43.05N, 0.63W, h2km, M1.5/2, Error ellipse: s-maj=4.1km s-min=2.2km az=15.0

MDD 18 23:00:39.8.0.5, 43.07N, 0.16W, h5km, 6km, mlB.0/4.0, Error ellipse: s-maj=3.2km s-min=1.7km az=180.0, PRXIMO

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes entries for ATE, REYF, etc.

PRU 18 23:06:05.9.1.58N, 16.11E, Error ellipse: s-maj=16.2km s-min=1.1km az=134.0

NEIC 18 23:06:09.7.0.8, 51.21N, 15.95E, h5km, ML2.3(VIE), ML2.3(SZGRF), ML2.3(CLL), Error ellipse: s-maj=10.2km s-min=7.5km az=168.0

IDC 18 23:06:05.6.0.4, 51.36N, 0.02-16.01E, 0.03, n30, c1F38/68, 1C-1D, Poland

Table with columns: Station Name, Azimuth, Phase, Time, Res. Includes entries for KSP, PVCC, BRG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Gorka Kiasztor, Novy Kostel, Ojcow, Kasperske Hory, Moxa, GERES Array S, etc.

HEL 18 23:16:12.8±0.1, 67.84N±0.22E, ML1.7, ML1.8(UPP), ML1.6(BER), Explosion
BER 18 23:16:13.6±0.3, 67.86N±0.21E, ML1.6, Suspected explosion
ISC 18 23:16:11.4±0.5, 67.82N±0.03±0.20E±0.09, n18, t18/08/27, Sweden

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KUA, NIKU, DUNU, MASUJ, KIF, PAJU, ERKU, KTK1, TRO, SJUU, SGF, LOF, LILU, MORB, KEV, OUL, MSF, NSS, etc.

IDC 18 23:25:44.2±1.1, 19.24S±175.31W, mb3.6/3, mb1 3.9/3, mb1mx3.6/15, Error ellipse: s-maj=354.0km s-min=37.7km az=143.0, Tonga Islands

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

FUNV 18 23:28:04.3, 9.68N±62.29W, h0km, MW2.9
FRN 18 23:28:06.7, 9.80N±62.24W, MD3.5
ISC 18 23:28:04.7, 1.6, 9.89N±0.03±62.39W±0.03, h11km, n1km, n15, t18/09/23, 2C-2D, Near coast of Venezuela

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like GUNV, GUIR, TPP, ORIV, TCE, CRUV, TRN, RIOV, GURV, PCRV, GRW, GRH, BIRV, CAOV, BAUV, etc.

NIED 18 23:39:00, 28.00N±130.50E, h23km, Mw4.3 Best double couple
M3.32x10^15 NP1±0.13, δ88°, λ39°. NP2±281°, 351°, λ177°
JMA 18 23:39:10.9±0.2, 27.96N±130.48E, h34km±2km, M4.4
JMA Feil H J

IDC 18 23:39:14.7±0.2, 27.96N±130.20E, h29km±44km, mb3.7/12, mb1 3.9/15, mb1mx3.8/24, ML3.9/3, MS3.3/2, Ms1 3.4/2, ms1mx2.9/21, Error ellipse: s-maj=21.1km s-min=15.4km

az=94.0
BJI 18 23:39:15.5±1.28, 10N±130.20E, h36km, mb4.2, Ms4.0, Ms3.6
NEIC 18 23:39:15.5±1.3, 28.13N±130.19E, h36km±11km, mb4.1/5, Error ellipse: s-maj=14.5km s-min=9.4km az=103.0
NEIC Recorded (2 JMA) on Kikaiga-shima.
ISC 18 23:39:12.9±0.5, 28.03N±130.37E±0.04, h37km±5km, n45, t09/31/61, mb3.9/16, MS3.8/3, Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Kikaishima, Amami Oshima, Takunoshima, Kunigami, etc.

8.1nm, 0.3s, baz=222, slow=13, SNR=5.1
CJU Chichi jima 10.53 92 P 23 41 24.8 ±0.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BJI, ENH, XAN, GYA, LDZ, etc.

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

IDC 19 00:05:36.5±0.2, 36.53S±97.28W, mb4.2/6, mb1 4.6/6, mb1mx4.3/16, MS3.6/5, Ms1 3.6/5, ms1mx3.4/13, Error ellipse: s-maj=63.9km s-min=24.8km az=29.0

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

IDC 19 00:05:36.5±0.2, 36.53S±97.28W, mb4.2/6, mb1 4.6/6, mb1mx4.3/16, MS3.6/5, Ms1 3.6/5, ms1mx3.4/13, Error ellipse: s-maj=63.9km s-min=24.8km az=29.0

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

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

BUG 19 00:28:02.3, 51.49N±6.57E, h1km, ML1.7
NEIC 19 00:28:02.0±0.5, 51.52N±6.53E, h5km, ML2.6(LDG), Error ellipse: s-maj=7.0km s-min=4.2km az=153.0
LDG 19 00:28:03.6±0.1, 51.58N±6.1km, M2.9/2, M2.6/5, Error ellipse: s-maj=2.7km s-min=1.1km az=27.0, Suspected Mining induced.

BNS 19 00:28:03.4±1.1, 51.58N±6.63E, h1km, ML2.0
BGR 19 00:28:05.1±0.4, 51.49N±6.74E, h1km, ML2.1/2, Error ellipse: s-maj=6.6km s-min=4.4km az=131.0
ISC 19 00:28:01.4±0.4, 51.53N±0.03±6.46E±0.04, n34, t129/50, 1D, Germany

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

GUC 19 00:45:25.2±1.0, 25.87S±70.51W, h50km, MD3.8, ML3.8, 1D, Near coast of northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CPN1, CPCH, ANCH, etc.

HEL 19 01:06:17.0:0.2,67.88N:20.18E,ML1.9,ML1.8(BER), Explosion
BER 19 01:06:18.3:1.1,67.91N:19.98E,ML1.8,Suspected explosion

Table with 10 columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Kilpisjarvi, Kautokoino, Tromso, Lofoten, Sodankyl, etc.

NEIC 19 01:14:51.2:4.1,60N:17.86E,h5km,Md2.9(ROM), MD2.1(PDG),ML2.3(ZAG),After ROM, ROM 19 01:14:51.2:0.4,41.60N:17.86E,h5km,Md2.9,ML2.4/5, Error ellipse: s-maj=3.3km s-min=2.7km az=0.0

Table with 10 columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Bari-Castellan, Herceg Novi, Brajici-Budva, Ston, Ulcinj, Laterza, etc.

IDC 19 01:15:56.6:0.8,83.03N:6.05W,mb3.6/8,mb1 4.0/10, mb1mx3.7/22,ML3.3/2,MS3.2/9,M1 3.2/9,ms1mx2.9/22, Error ellipse: s-maj=30.7km s-min=15.1km az=33.0

Table with 10 columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Kingsbay, Spitsbergen Ar, Spitsbergen Ar, Hornsund, Summit, ARCES Array B, etc.

IDC 19 01:19:06.0:1.5,65.44S:178.78E,mb3.8/3,mb1 4.1/4,

mb1mx3.9/9,ML3.3/1,MS4.0/3,Ms1 4.0/3,ms1mx3.6/8, Error ellipse: s-maj=60.4km s-min=31.4km az=47.0
NEIC 19 01:19:07.3:1.2,65.60S:178.67E,h10km,Error ellipse: s-maj=36.5km s-min=18.8km az=74.0

Table with 10 columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Vanda, Rata Peaks, South Pole Qui, Urevera, etc.

LDG 19 01:40:40.6:0.1,50.45N:5.06E,h2km,Md2.9/3,ML2.8/19, Error ellipse: s-maj=1.3km s-min=0.8km az=155.0

Table with 10 columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Givet, Baives, Baif, Baif, Baif, HGN, HGN, HGN, etc.

IDC 19 02:21:28.0:8.8,23.13S:179.81W,h487km,108km, mb3.4/6,mb1 3.6/7,mb1mx3.3/16,Error ellipse: s-maj=59.1km s-min=25.3km az=21.0

Table with 10 columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Urewera, South Karori, Rata Peaks, Charters Tower, etc.

IDC 19 02:28:04.8:6.5,2.68N:96.12E,mb4.1/4,mb1 4.1/5, mb1mx3.7/18,ML4.3/1,MS3.0/1,Ms1 3.2/1,ms1mx2.8/17, Error ellipse: s-maj=151.0km s-min=79.4km az=135.0

Table with 10 columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GUC, NEIC, SYO, etc.

IDC 19 02:13:24.9:1.7,47.95N:27.52W,mb3.4/3,mb1 3.8/4,

mb1mx3.4/23,ML4.8/1,MS3.0/3,Ms1 3.0/3,ms1mx2.8/19, Error ellipse: s-maj=101.0km s-min=24.5km az=7.0
NEIC 19 02:13:26.9:0.8,48.14N:27.36W,h10km,mb4.0/6,Error ellipse: s-maj=32.4km s-min=9.2km az=5.0

Table with 10 columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ROSF, MTE, ESDC, SPSA, etc.

IDC 19 02:17:42.3:7.8,17.16S:179.04W,h519km,93km,mb3.1/7, mb1 3.5/7,mb1mx3.1/4,Error ellipse: s-maj=86.2km

Table with 10 columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like STKA, STKA, STKA, STKA, STKA, STKA, etc.

IDC 19 02:21:28.0:8.8,23.13S:179.81W,h487km,108km, mb3.4/6,mb1 3.6/7,mb1mx3.3/16,Error ellipse: s-maj=59.1km s-min=25.3km az=21.0

Table with 10 columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Urewera, South Karori, Rata Peaks, Charters Tower, etc.

IDC 19 02:28:04.8:6.5,2.68N:96.12E,mb4.1/4,mb1 4.1/5, mb1mx3.7/18,ML4.3/1,MS3.0/1,Ms1 3.2/1,ms1mx2.8/17, Error ellipse: s-maj=151.0km s-min=79.4km az=135.0

Table with 10 columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GUC, NEIC, SYO, etc.

IDC 19 02:13:24.9:1.7,47.95N:27.52W,mb3.4/3,mb1 3.8/4,

Table with 7 columns: LVC, Limon Verde, 5.63, 6J,ePn, P, 02 45 58.1 -1.0

SYO 19 02:57:29.7, 17.81S;.63, 30W, h17km, MB4.7
NEIC 19 02:57:29.0, 17.81S;.63, 30W, mb4.7/13, Error ellipse:
s-maj=8.9km s-min=5.9km az=48.0

Table with 7 columns: WMQ, comp=E, 204nm, 20.0s, MS5.0, LR, LR

PGC 19 02:44:47.0, 49.57N;.127, 29W, h21km, 13km, ML2.7/30,
Southwest of Nootka Island, British Columbia
ISC 19 02:44:46.3-0.8, 49.64N;.04;.127, 39W;.0, 6, h29km, 4km,

Central Bolivia
Code Station Name Az AZZ Op Phase ID Time Res h m s ISC

Table with 7 columns: Ulanbaatar, 149.00, 13, PKPpf, PKPpf

Main table of station data for Central Bolivia, starting with EDB Eliza Dome and ending with CICH Cipreses

Main table of station data for Central Bolivia, starting with LAZ La Paz and ending with WMQ Wmqsu

LJU 19 03:14:12.5, 46.27N;.13, 61E, h12km, ML1.1, 2C-1D,
Austria

Table with 7 columns: ROBS Robic, 0.07 248, Op, P, 03 14 15.1 +0.1

PRU 19 03:14:31.6, 46.55N;.12, 48E
ISC 19 03:14:30.8-0.7, 46.68N;.0, 0.3;.12, 49E;.0, 0.4, n10, e099/16,
3C-3D, Northern Italy

Table with 7 columns: Code Station Name Az AZZ Op Phase ID Time Res h m s ISC

NIED 19 03:53:00.26, 90N;.129, 50E, h5km, Mw4.5 Best double
couple: M6.7x10^15 NP1; phi=356°, delta=88°, lambda=3.7°.
NP2; phi=264°,
delta=53°, lambda=1.78°.
BUI 19 03:53:26.4, 26.78N;.129, 56E, h30km, MB4.5, mb4.6,
Ms4.5, Ms2.4
MOS 19 03:53:26.6, 1.4, 26.99N;.129, 35E, h10km, Ms5.1/7,
MS4.6/10, Error ellipse: s-maj=17.7km s-min=8.9km
az=107.8
IDC 19 03:53:26.3, 0.6, 27.00N;.129, 40E, mb4.3/20, mb1 4.5/21,
mb1mx4.4/25, ML4.4.71, MS3.8/6, Ms1 3.9/6, Ms1mx3.6/17,
Error ellipse: s-maj=15.1km s-min=13.6km az=114.0
JMA 19 03:53:28.0, 1.26, 88N;.129, 50E, h35km, Ms2.2
NEIC 19 03:53:31.4, 0.3, 26.96N;.129, 35E, mb4.7/25,
MW4.5(NIED), Error ellipse: s-maj=6.9km s-min=5.4km
az=169.0
ISC 19 03:53:29.2, 0.2, 26.91N;.0, 0.3;.129, 44E;.0, 0.3, h30km,
h30km;.5, 5km; pP-P, n144, e125/174, mb4.6/49, MS4.3/26,
6C-2D, Ryukyu Islands

Main table of station data for Northern Italy, starting with Code Station Name and ending with NJ2

IDC 19 02:57:27.5-0.7, 17.73S;.63, 30W, mb4.4/11, mb1 4.5/15,
mb1mx4.4/20, ML4.5/4, MS3.7/7, Ms1 3.7/7, ms1mx3.5/17,
Error ellipse: s-maj=22.2km s-min=13.1km az=31.0
BUI 19 02:57:29.7, 17.80S;.63, 30W, h17km, MB5.2, MS5.0,
Ms2.4.8

Table with columns: Call Sign, Frequency, Mode, Azimuth, Elevation, Polarization, and other parameters. Includes stations like BJT, BJI, BJN, etc.

Table with columns: Call Sign, Frequency, Mode, Azimuth, Elevation, Polarization, and other parameters. Includes stations like PET, YAK, GUN, etc.

Table with columns: Call Sign, Frequency, Mode, Azimuth, Elevation, Polarization, and other parameters. Includes stations like NIE, OVK, VYHS, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include ASAJ Asahikawa, ASAJ Matushiro, ASAJ Kuril'sk, etc.

IDC 19 05:30:45.0.9.6.2.0.06S:178.22W,h636km,119km, mb3.0/5,mb1.3.2/5,mb1mx3.0/14,Error ellipse: s-maj=109.0km s-min=46.6km az=154.0

ISC 19 05:30:34.8.2.2.0.1S:0.8-178.3W,0.4,h650km,n6, c0518/5,mb3.4/5,Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include CTA Charters Tower, ASAR Alice Springs, WRA Warramunga Arr, etc.

GUC 19 05:34:59.8.0.8.31.75S:69.84W,h147km,6km,MD3.4,ML3.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include CLCH Colegio Aleman, DSCH Tololo Astrono, TLL Penalolen, etc.

NEIC 19 06:09:52.4.0.8.41.68S:172.50E,h16km,5km,mb4.7/3,ML4.9(WEL),Error ellipse: s-maj=7.2km s-min=6.5km

SYO 19 06:09:52.4.0.41.68S:172.50E,h17km,MB4.7

WEL 19 06:09:53.0.0.1.41.74S:172.49E,h14km,1km,ML4.9/25, Error ellipse: s-maj=0.8km s-min=0.8km az=90.0,6

WEL Felt between Nelson, West Coast and Wellington, maximum reported intensity MM

IDC 19 06:09:54.6.2.7.41.77S:172.71E,h39km,23km,mb4.1/5,mb1.4.3/7,mb1mx4.1/11,ML3.9/2,MS3.8/2,Ms1.3.8/2,ms1mx3.4/10,Error ellipse: s-maj=28.6km s-min=19.8km az=129.0

ISC 19 06:05:51.5.0.3.41.76S:0.03:172.42E,0.03,h14km,n91, c1512/87,mb4.4/8,MS3.7/1,4C-13D, South Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include THZ Tophouse, DSZ Denniston Nort, NNZ Nelson, etc.

RPZ 198nm,0.3s,baz=260,slow=3.1,SNR=7.1

RPZ 198nm,0.3s,baz=260,slow=3.1,SNR=7.1

RPZ 198nm,0.3s,baz=260,slow=3.1,SNR=7.1

RPZ 198nm,0.3s,baz=260,slow=3.1,SNR=7.1

RPZ 198nm,0.3s,baz=260,slow=3.1,SNR=7.1

RPZ 198nm,0.3s,baz=260,slow=3.1,SNR=7.1

RPZ 198nm,0.3s,baz=260,slow=3.1,SNR=7.1

RPZ 198nm,0.3s,baz=260,slow=3.1,SNR=7.1

RPZ 198nm,0.3s,baz=260,slow=3.1,SNR=7.1

RPZ 198nm,0.3s,baz=260,slow=3.1,SNR=7.1

RPZ 198nm,0.3s,baz=260,slow=3.1,SNR=7.1

RPZ 198nm,0.3s,baz=260,slow=3.1,SNR=7.1

RPZ 198nm,0.3s,baz=260,slow=3.1,SNR=7.1

RPZ 198nm,0.3s,baz=260,slow=3.1,SNR=7.1

RPZ 198nm,0.3s,baz=260,slow=3.1,SNR=7.1

RPZ 198nm,0.3s,baz=260,slow=3.1,SNR=7.1

RPZ 198nm,0.3s,baz=260,slow=3.1,SNR=7.1

RPZ 198nm,0.3s,baz=260,slow=3.1,SNR=7.1

RPZ 198nm,0.3s,baz=260,slow=3.1,SNR=7.1

RPZ 198nm,0.3s,baz=260,slow=3.1,SNR=7.1

RPZ 198nm,0.3s,baz=260,slow=3.1,SNR=7.1

RPZ 198nm,0.3s,baz=260,slow=3.1,SNR=7.1

RPZ 198nm,0.3s,baz=260,slow=3.1,SNR=7.1

RPZ 198nm,0.3s,baz=260,slow=3.1,SNR=7.1

RPZ 198nm,0.3s,baz=260,slow=3.1,SNR=7.1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include VNA2 Neumayer-Stat, VNA1 Neumayer-Stat, CMAR Chiang Mai Arr, etc.

ISK 19 06:11:55.9,39.25N,30.96E,h5km,MD2.9,Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include ESKT Eskisehir, ESKT Eskisehir, ALT Altintas, etc.

STR 19 06:26:31.5.0.1.44.98N-5.66E,h5km,1km,ML2.7,Error ellipse: s-maj=0.2km s-min=0.0km az=1.0

LDG 19 06:26:31.8.0.1.44.96N-5.67E,h2km,MD2.8,M2.7/20, Error ellipse: s-maj=1.2km s-min=0.9km az=38.0

NEIC 19 06:26:31.5.44.98N-5.66E,h5km,ML2.7(STR), ML2.7(LDG),After STR

ISC 19 06:26:29.4.0.2.44.97N,0.01x5.61E,0.02,h8km,2km,n56, c1515/114,France

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include ORIF Oris-en-Rattie, GDM Grand'Maison, OCF Saint Nazaire, etc.



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

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

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

NEIC 19 06:26:57.0, 6.54, 72N:160.73W, h43km, 5km, mb3.6/1, ML4.0(AEIC), Error ellipse: s-maj=10.6km s-min=4.2km az=165.0

ISC 19 06:26:58.0, 5.6, 54.86N:160.71W, h42km, 48km, mb3.6/13, m1 3.8/16, m1mx3.7/26, ML3.9/3, MS3.2/3, Ms1 3.2/3, ms1mx2.7/18, Error ellipse: s-maj=36.0km s-min=17.9km az=30.0

ISC 19 06:26:56.1, 0.7, 54.69N:0.07, 160.59W:0.07, h47km, 63km, n47, r1903/49, mb3.9/13, MS3.6/1, Alaska Peninsula

MAN 19 06:50:57.9, 9.82N:125.01E, h7km, mb4.4, ML3.2, MS3.0, Mindanao

DJA 19 07:32:14.0, 0.8, 9.54S:115.84E, h15km, MD5.0/4, ML4.7/4, 3C-5D, Error ellipse: s-maj=16.6km s-min=11.2km az=167.0, South of Ball

ISC 19 07:47:00.4, 2.6, 4.0S:0.4, 101.1E:0.6, h33km, n8, r0946/7, mb4.0/7, Southern Sumatra

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

CMAR Chiang Mai Arr 22.43 355 P P 07 51 58.3 +0.5

FITZ Fitzroy Crossi 27.77 122 P P 07 52 49.2 +0.6

WRA Warramunga Arr 36.02 119 P P 07 53 60.0 -0.8

ASAR Alsea Springs 37.17 125 P P 07 54 10.7 +0.2

SONM Songoi Array 51.83 5 P P 07 56 07.0 -0.5

MKAR Makanchi Array 53.26 344 P P 07 56 18.2 0.0

BVAR Bajas Array 145.55 40 PKPbc 06 06 38.2 +1.7

TXAR Lajitas Array 145.55 40 PKPbc 06 06 38.2 +1.7

BJI 19 08:01:45.4, 49.60N:127.00W, h23km, mb6.1, m5B.8, Ms6.5, MS6.2

MOS 19 08:01:45.6, 1.0, 49.61N:126.98W, h10km, mb6.2/57, MS6.2/31, Error ellipse: s-maj=7.5km s-min=3.7km az=109.2

ISC 19 08:01:45.5, 0.4, 49.70N:126.95W, mb5.2/22, m1 5.3/30, m1mx3.5/30, ML4.6/9, MS6.1/21, Ms1 6.1/21, ms1mx6.1/25, Error ellipse: s-maj=12.0km s-min=5.4km az=62.0

PGC 19 08:01:46.4, 49.48N:127.25W, h23km, 15km, ML5.9/37, Mw6.4, MD5.6(SEA)

PGC Southwest of Nootka Island, British Columbia Felt (IV-V) on northern Vancouver Island, (III-IV) on central and southern Vancouver Island and the central coast, as well as the Sunshine Coast and Greater Vancouver.

CSEM 19 08:01:46.1, 49.68N:126.92W, h10km, mb5.9, IGIL 19 08:01:47.8, 49.68N:126.94W, h2km, MS6.5, HRVD 19 08:01:49.5, 0.1, 49.60N:127.19W, h25km, MW6.3/73, Centroid moment tensor solution. LP body waves: s73,c176; Mantle waves: s67,c136; Half duration: 365 Moment tensor: Scale 10^18Nm; Mw=0.65±0.3; Mw=1.43±0.02; Mw2.0±0.03; Mw1.2±0.13; Mw2.7±0.03; Mw1.8±0.14; Best double couple: M3.39x10^18 Np1: phi250, delta7, lambda-13; NP2: phi347, delta79, lambda-147; Principal axes: T 3.85, P1g15, Azm114; N 2.8, P1g55, Azm2; P 4.12, P1g31, Azm213; nsta1 refers to body waves, cutoff=40s. nsta2 refers to mantle waves, cutoff=126s.

SYO 19 08:01:49.4, 49.62N:126.97W, h24km, MB5.9, MS6.2, NEIC 19 08:01:49.5, 0.1, 49.62N:126.97W, mb5.9/179, ME6.7, MS6.2/MW6.4, MW6.6 (PGC), Error ellipse: s-maj=3.5km s-min=1.8km az=53.0 Broadband fault plane solution: P waves. NP1: phi350, delta80, lambda-155; NP2: phi255, delta5, lambda-11; Principal axes: T P1g10, Azm121; N P1g0, Azm60; P P1g25, Azm215; Moment Tensor Solution. s37 Moment tensor: Scale 10^18 Nm; Mw=0.15; Mw=3.05; Mw=2.90; Mw0.15; Mw2.7; Mw1.25; Best double couple: M4.3x10^18 Np1: phi247, delta74, lambda-5; NP2: phi156, delta5, lambda164; Principal axes: T 4.29, P1g15, Azm110; N -0.7, P1g73, Azm320; P -4.23, P1g8, Azm203; Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism.

NEIC Felt throughout Vancouver Island including Alert Bay, Campbell River, Comox, Courtenay, Duncan, Nanaimo, Port Alice, Port McNeill and Victoria. Also felt at Gibsons, Powell River, Sechart, Vancouver and Whistler. Felt at Anacortes, Bellingham and Blaine, Washington.

ISC 19 08:01:48.0, 0.1, 49.55N:0.01x127.01W:0.02, h26km, Mw6.1, gkm, P-P, n1019, r121/1025, mb5.8/272, MS6.2/143, 88C-70D, Vancouver Island region

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

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like EDB, ETE, WOSB, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like BPPC, MAYB, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like BTR, NCRB, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like OZB, CBB, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like PHC, HOLB, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like ALB, MGB, etc.

WEL 19 06:33:47.6, 0.1, 41.71S:172.47E, h12km, 1km, ML3.5/10, 1C-4D, Error ellipse: s-maj=1.4km s-min=1.1km az=90.0, South Island

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

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like RATI, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like CMAR, etc.

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

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

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like SONM, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like MKAR, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like BVAR, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like TXAR, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like BJI, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like MOS, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like PGC, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like GOWB, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like WSLR, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like BBB, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like COQB, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like PIMB, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like HNB, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like HDW, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like HRMB, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like HOPE, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like BNM, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like RVC, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like FL2, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like STD, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like SHW, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like LVP, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like GLK, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like MOCB, etc.

Code Station Name Az Az' Phase ID Time Res ISC. Includes stations like MTMW, etc.



Table with columns: Station, Frequency, Power, Class, and other details. Includes stations like LMQ, CBN, KIP, HNH, HON, COW, PAL, etc.

Table with columns: Station, Frequency, Power, Class, and other details. Includes stations like SKR, BBSR, SCO, KBS, KRS, etc.

Table with columns: Station, Frequency, Power, Class, and other details. Includes stations like TRO, LOF, PAYG, KEV, ARCES, etc.





Table listing astronomical observations for 19d 8h. Columns include object name (e.g., TIY, SRO, BOB), coordinates, magnitude (e.g., 78.49), and other parameters (e.g., P, P, 08 13 56.1 +8.2).

Table listing astronomical observations for 2004 JUL. Columns include object name (e.g., KIS, BEO, TOLF), coordinates, magnitude (e.g., 81.82), and other parameters (e.g., pmax, pmax, 08 14 06.8 +1.1).

Table listing astronomical observations for 2004 JUL. Columns include object name (e.g., ANN, ORI, AAA), coordinates, magnitude (e.g., 85.13), and other parameters (e.g., MLR, MLR, 08 14 23.9 +1.2).

Table with columns: Code, Station Name, A°, AZ, Phase ID, Time, Res. Includes stations like KSH, ESKT, ANKARA, TOKAT, BRTR, etc.

Table with columns: Code, Station Name, A°, AZ, Phase ID, Time, Res. Includes stations like Alice Springs, Alice Springs, Alice Springs, etc.

Table with columns: Code, Station Name, A°, AZ, Phase ID, Time, Res. Includes stations like Eliza Dome, Estevan Point, Brooks Peninsula, etc.

Table with columns for station name, frequency, and status. Includes stations like Yellowknife Ar, Elision Array, Indian NNB, etc.

BUJ 19 08:37:51.4, 46.68N, 90.20E, h16km, mb4.3, ML4.4  
MOS 19 08:37:52.2, 3.4, 44.94N, 88.17E, h10km, mb1.4/4, Error ellipse: s-maj=19.5km s-min=10.5km az=114.9

ISC 19 08:37:56.1, 4.0, 46.17N, 89.75E, h28km, mb3.7/6, mb1 3.8/9, mb1mx3.6/22, ML3.8/3, Error ellipse: s-maj=40.9km s-min=16.5km az=33.0

NNC 19 08:37:57.1, 3.7, 46.84N, 89.58E, h12km, 16km, mpv4.3, Error ellipse: s-maj=29.5km s-min=16.6km az=57.0

ISC 19 08:37:54.4, 1.2, 46.94N, 0.05, 89.8E, 0.1, h15km, 8km, n31, 4130/39, mb3.7/6, 11C-6D, Northern Xinjiang

Table with columns: Code, Station Name, Freq, Op, P, S, S, Res. Includes stations like Urumqi, Makanchi Array, MK31, etc.

PGC 19 08:42:58.1, 49.45N, 127.25W, h30km, 4km, ML2.7/30, Southwest of Nookla Island, British Columbia

ISC 19 08:42:56.7, 0.9, 49.46N, 0.04, 127.38W, 0.06, h25km, 5km, n28, 4152/38, 1C-2D, Vancouver Island region

Table with columns: Code, Station Name, Freq, Op, P, S, S, Res. Includes stations like Eliza Dome, Estevan Point, Brooks Peninsula, etc.

PGC 19 08:42:58.1, 49.45N, 127.25W, h30km, 4km, ML2.7/30, Southwest of Nookla Island, British Columbia

ISC 19 08:42:56.7, 0.9, 49.46N, 0.04, 127.38W, 0.06, h25km, 5km, n28, 4152/38, 1C-2D, Vancouver Island region

Table with columns: Code, Station Name, Freq, Op, P, S, S, Res. Includes stations like Eliza Dome, Estevan Point, Brooks Peninsula, etc.

Table with columns: Station Name, Freq, P, S, Res. Includes stations like Port Hardy, Newcastle Ridg, Holberg, etc.

PGC 19 08:45:35.5, 49.60N, 127.29W, h24km, 9km, ML2.8/32, Southwest of Nookla Island, British Columbia

ISC 19 08:45:34.0, 0.6, 49.60N, 0.03, 127.32W, 0.05, h24km, n33, 1019/41, 1C-1D, Vancouver Island region

Table with columns: Code, Station Name, Freq, Op, P, S, S, Res. Includes stations like Eliza Dome, Estevan Point, Brooks Peninsula, etc.

PGC 19 08:45:35.5, 49.60N, 127.29W, h24km, 9km, ML2.8/32, Southwest of Nookla Island, British Columbia

ISC 19 08:45:34.0, 0.6, 49.60N, 0.03, 127.32W, 0.05, h24km, n33, 1019/41, 1C-1D, Vancouver Island region

Table with columns: Code, Station Name, Freq, Op, P, S, S, Res. Includes stations like Eliza Dome, Estevan Point, Brooks Peninsula, etc.

PGC 19 08:42:58.1, 49.45N, 127.25W, h30km, 4km, ML2.7/30, Southwest of Nookla Island, British Columbia

ISC 19 08:42:56.7, 0.9, 49.46N, 0.04, 127.38W, 0.06, h25km, 5km, n28, 4152/38, 1C-2D, Vancouver Island region

Table with columns: Code, Station Name, Freq, Op, P, S, S, Res. Includes stations like Eliza Dome, Estevan Point, Brooks Peninsula, etc.

Table with columns: Station Name, Freq, P, S, Res. Includes stations like WLSR, HNB Haney, VDB Vedder Mountain, etc.

NEIC 19 08:49:48.0, 17.02N, 100.10W, h6km, MD3.7(MEX), After MEX

MEX 19 08:49:48.0, 17.02N, 100.10W, h6km, MD3.7, Near coast of Guerrero

Table with columns: Code, Station Name, Freq, Op, P, S, S, Res. Includes stations like El Cayaco, Zihuatanejo, Popocatepetl, etc.

JMA 19 09:12:17.8, 0.6, 44.44N, 148.22E, h125km, M3.5

ISC 19 09:12:17.8, 0.6, 44.44N, 148.22E, h125km, M3.5, Error ellipse: s-maj=90.7km s-min=24.2km az=2.0

ISC 19 09:12:17.2, 1.1, 44.44N, 0.1, 148.1E, 0.1, h166km, 10km, n18, 4093/22, mb3.3/6, Kuril Islands

Table with columns: Code, Station Name, Freq, Op, P, S, S, Res. Includes stations like Nemuro 2, Rausu, JNK, etc.

LDG 19 09:17:19.6, 0.5, 37.48N, 1.47W, h10km, Md3.7/1, MI3.4/3, Error ellipse: s-maj=11.7km s-min=4.7km az=146.0

INMG 19 09:17:20.6, 1.4, 37.79N, 1.46W, h23km, 3km, ML3.1, Error ellipse: s-maj=4.0km s-min=2.2km az=136.0

NEIC 19 09:17:20.8, 37.80N, 1.49W, h22km, ML3.4(LDG), MN3.0(MDD), After MDD.

NEIC Felt (III) at Aledo, Alhama de Murcia, Lorca and Totana.

MDD 19 09:17:20.8, 0.2, 37.77N, 1.54W, h14km, 3km, mBlg3.0/28, Error ellipse: s-maj=3.7km s-min=2.5km az=176.0

PRXIMO II ALEDO TOTANA I ALHAMA DE MURCIA PUERTO LUMBRETRAS

MDD Felt: III LORCA

ISC 19 09:17:19.1, 0.4, 37.84N, 0.02, 1.67W, 0.02, h14km, n78, 41836/157, 3C-1D, Spain

Table with columns: Code, Station Name, Freq, Op, P, S, S, Res. Includes stations like La Murta, Cartagena, Tobarra, etc.





19d 13h

Table with columns for station name, frequency, and other details. Includes stations like Mosteiros, Ginetes, Faja de Cima, Lagoa do Fogo, Ribeira Ch, Monte Escuro.

SWSA 19 12:49:46.7-0.7, 38.73N-30.06W, h5km, MD3.6, Error ellipse: s-maj=23.2km s-min=7.7km az=50, Azores Islands

Table with columns for code, station name, frequency, and other details for the Azores Islands section.

SWSA 19 12:51:51.9-0.7, 38.47N-30.20W, h15km, MD3.7, ML2.7, Error ellipse: s-maj=11.2km s-min=5.9km az=153.0, Azores Islands

Table with columns for code, station name, frequency, and other details for the second Azores Islands section.

SWSA 19 12:55:14.0-0.8, 39.06N:30.00W, h5km, MD3.6, Error ellipse: s-maj=100.9km s-min=8.5km az=30.0, Azores Islands

Table with columns for code, station name, frequency, and other details for the third Azores Islands section.

SWSA 19 13:04:46.0-0.9, 38.79N:30.28W, h10km, MD3.6, ML2.9, Error ellipse: s-maj=24.7km s-min=7.2km az=40.0, Azores Islands

Table with columns for code, station name, frequency, and other details for the fourth Azores Islands section.

SWSA 19 13:05:56.0-0.7, 38.84N-30.32W, h5km, MD3.7, Error ellipse: s-maj=83.5km s-min=7.0km az=14.0, Azores Islands

Table with columns for code, station name, frequency, and other details for the fifth Azores Islands section.

ISC 19 13:16:34.8-1.1, 38.67N:30.25W, mb3.8/12, mb1.0/12, mb1mx3.9/23, MS3.4/8, M1s 3/4,8, ms1mx3.1/29, Error ellipse: s-maj=32.3km s-min=18.9km az=159.0, NEIC 19 13:16:36.0-0.7, 38.70N:30.30W, h10km, Error ellipse: s-maj=19.0km s-min=11.0km az=164.0

SWSA 19 13:16:37.0-0.9, 38.58N:30.09W, h5km, MD3.8, ML3.0, Error ellipse: s-maj=22.8km s-min=9.9km az=118.0, Azores Islands

Table with columns for code, station name, frequency, and other details for the sixth Azores Islands section.

2004 JUL

Table with columns for station name, frequency, and other details. Includes stations like Santa Cruz, Santa Barbara, Pico dos Padre, Biscoitos, Ribeirinha, Vila Nova, Mosteiros, Ginetes, Feteiras, Santo Antonio, Chã da Macela, Pico Vermelho, Coroa da Mata, Lagoa do Fogo, Ribeira Ch, Monte Escuro, Vila Franca, Congro, Fenais da Ajud, Miradouro, Pico do Norte, Sonseca Array.

ESC comp=Z,117nm,18.2s,MS3.3, baz=265,slow=33 EKA Eskdalemuir Ar 24.63 38 P 13 21 57.0 +1.4

BORG Borgarnes 26.74 8 LR 13 29 38.0 SCHO Schefferville 29.64 15 LR 13 33 36.3

NOA comp=Z,34nm,20.0s,MS3.1, baz=280,slow=33 FINES FINESS Array B 41.02 37 LR 13 39 20.3

ARCEN ARCES Array B 42.52 25 P 13 24 31.0 +0.2 ARCES ARCES Array B 42.52 25 P 13 24 31.0 +0.2

ULM Lac du Bonnet 47.05 307 LR 13 42 57.6 YKA Yellowknife Ar 54.29 325 P 13 26 00.9 -1.3

TXAR Lajitas Array 60.34 285 LR 13 51 29.7 LPAZ La Paz 65.20 221 P 13 27 18.6 +0.6

ILAR Eielson Array 65.89 335 P 13 27 20.8 -0.9 NVAR 0.7nm,0.8s,mb3.7, baz=75,slow=6.5,SNR=4.0

HELV 19 13:27:40.6-0.2, 60.91N:29.05E, ML1.9, ML2.9(NAO), NAO 19 13:27:40.1-3.0, 60.89N:28.89E, ML2.9

ISC 19 13:27:40.3-1.0, 61.13N:0.06-28.6E, 0.2, n16, 0.153/27, Finland-Karelia border region

Table with columns for code, station name, frequency, and other details for the Finland-Karelia border region section.

FINES FINESS Array B 1.27 285 Pg Pg 13 28 07.2 +1.4 FINES 5.9nm,0.3s, baz=113,slow=17,SNR=117

ARAO ARCES Array S 8.54 353 Pn P 13 29 47.0 -1.1 ARAO 168,slow=14

ARAO ARCES Array S 8.54 353 Pn P 13 29 47.0 -1.1 ARAO 168,slow=14

ARAO ARCES Array S 8.54 353 Pn P 13 29 47.0 -1.1 ARAO 168,slow=14

ARAO ARCES Array S 8.54 353 Pn P 13 29 47.0 -1.1 ARAO 168,slow=14

ARAO ARCES Array S 8.54 353 Pn P 13 29 47.0 -1.1 ARAO 168,slow=14

ARAO ARCES Array S 8.54 353 Pn P 13 29 47.0 -1.1 ARAO 168,slow=14

ARAO ARCES Array S 8.54 353 Pn P 13 29 47.0 -1.1 ARAO 168,slow=14

s-maj=8.4km s-min=4.4km az=10.0

NEIC Felt at Sibi, MOS 19 13:39:57.6-0.7, 29.51N:67.81E, h33km, mb4.7/17, Error ellipse: s-maj=14.4km s-min=7.6km az=102.3

NINC 19 13:40:01.8-4.0, 29.86N:67.89E, h26km, mb4.7, Error ellipse: s-maj=19.4km s-min=11.6km az=179.0

ISC 19 13:39:55.9-0.2, 29.49N:67.69E:0.02, h24km, h24km,2.3km,pp-P, n203, 0.1914/21.1, mb4.6/9.1, MS4.0/21, 100-3D, Pakistan

Code Station Name Frequency Phase ID Time Res Station Name Frequency Phase ID Time Res

DRP Derazinda 3.12 43 Op ISC 13 40 48.0 +3.2 JASL Jaisalmer 3.81 131 Op Pn 13 40 56.5 +1.9

ASOR Aurora 8.85 92 Op P 13 42 06.1 +0.7 KLP comp=N,706nm,1.2s 9.33 75 AML AML 13 44 37.4

JOSI Joshimath 10.34 81 Op P 13 42 25.6 -0.4 BHPL Bhopal 10.71 123 Op S 13 44 20.5 -0.5

PTH Pithoragarh 10.91 87 Op P 13 42 38.8 +0.1 AKL Akola 12.15 134 Op P 13 44 58.7

AML Almayashu 13.52 19 P P 13 45 07.0 -1.7 LATR Latar 13.67 142 Op P 13 43 10.5 -0.3

KK31 Karaybulak 14.38 22 P P 13 43 21.1 +1.1 FRU Bishkek 14.44 21 Op P 13 43 20.0 -0.7

CHMS Chumysh 14.63 21 P P 13 43 21.8 -1.5 USP Osenovka 14.80 20 P P 13 43 25.8 +0.4

TKM2 Tokmak 2 14.84 23 P P 13 43 25.0 -0.9 BLSP Bilaspur 14.92 116 Op P 13 43 26.6 -0.5

GKN Gorkha 14.94 92 Op P 13 43 23.6 -3.8 DMN Daman 15.42 93 Op P 13 43 31.2 -2.4

KKN Kakani 15.54 92 Op P 13 43 32.8 -2.4 HYB Hyderabad 15.59 138 Op P 13 43 34.0 -2.0

HYB Hyderabad 15.59 138 Op P 13 43 34.0 -2.0 HYB Hyderabad 15.59 138 Op P 13 43 34.0 -2.0

PKI Pulchoki 15.69 93 Op P 13 43 35.3 -1.8 HUSS Wahat al Ahsa' 16.55 259 Op P 13 43 51.9 +3.7

CADD Caddapah 18.11 143 Op P 13 44 10.4 +3.7 CUD CUD 18.47 143 Op P 13 44 17.4 +5.1

LISA Lhasa 20.40 84 P S 13 44 36.1 +2.3 LISA Lhasa 20.40 84 P S 13 44 36.1 +2.3

AB31 Akbulak array 20.61 345 Op P 13 44 35.5 -0.4 AB31 Akbulak array 20.61 345 Op P 13 44 35.5 -0.4

MK31 Makanchi Array 20.69 29 Op P 13 44 35.9 -0.8 MKAR Makanchi Array 20.69 29 Op P 13 44 35.9 -0.8

RAYN Ar Rayn 20.79 260 P P 13 44 37.4 -0.5 WMQ Urumqi 21.42 43 Op P 13 44 58.5 +1.6

WMQ Vostochyana 23.34 5 Op P 13 45 51.1 +0.6 VOSK Vostochyana 23.34 5 Op P 13 45 53.6 +0.6

WMQ Vostochyana 23.34 5 Op P 13 45 53.6 +0.6 VOSK Vostochyana 23.34 5 Op P 13 45 53.6 +0.6

WMQ Vostochyana 23.34 5 Op P 13 45 53.6 +0.6 VOSK Vostochyana 23.34 5 Op P 13 45 53.6 +0.6

Table listing station data for stations starting with BVA0 to FINE5. Columns include station name, frequency, power, mode, and coordinates.

Table listing station data for stations starting with FINES to EVIA. Columns include station name, frequency, power, mode, and coordinates.

Table listing station data for stations starting with EQES to YKA. Columns include station name, frequency, power, mode, and coordinates.

Table for SVSA 19 13:46:43.50.8,38.81N,30.10W,ML3.5, Error ellipse: s-maj=17.8km s-min=6.0km az=55.0, Azores Islands. Columns include Code, Station Name, Azimuth, Phase ID, Time, Res.

Table for BER 19 14:32:44.56.1,78.52N,6.30E,MD1.7,ML2.2, NAO 19 14:32:46.55.2,78.56N,7.31E,ML2.6,Svalbard region. Columns include Code, Station Name, Azimuth, Phase ID, Time, Res.

Table for NEIC 19 14:32:47.0,16.27N,94.54W,h71km,MD3.6(MEX), Atter MEX. Columns include Code, Station Name, Azimuth, Phase ID, Time, Res.

Table for NIED 19 14:37:00,36.80N,141.80E,h26km,Mw4.5, Best double couple: M7.34x1015 NP1=17, 888, 1.73. Columns include Code, Station Name, Azimuth, Phase ID, Time, Res.

Table containing flight information for various destinations starting with JFT, JFY, JFY, MAJO, MAT, MAT, MAT, Hachijo jima, etc. Includes columns for flight number, time, status, and delay.

Table containing flight information for various destinations starting with BJI, BJI, BJI, BJI, BJI, HIA, CLNS, CLNS, CLNS, etc. Includes columns for flight number, time, status, and delay.

Table containing flight information for various destinations starting with KMI, KMI, KMI, KMI, KMI, Kunming, KMI, KMI, etc. Includes columns for flight number, time, status, and delay.











Table with columns: Station, Name, Time, Magnitude, Type, Location, and other details. Includes stations like COLA, SML, CMAR, ILAR, DIV, EYAK, DAWY, VOSK, etc.

Table with columns: Station, Name, Time, Magnitude, Type, Location, and other details. Includes stations like YKA, ARCES, DAG, TRO, JOF, CTA, CTAO, FITZ, MBW, WRA, etc.

Table with columns: Station, Name, Time, Magnitude, Type, Location, and other details. Includes stations like NB2, NOA, NOA, NOA, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like BSEG, RAC, KSP, BRTR, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like KHC, WTSB, NWAOW, SDCO, etc.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like FLN, GUSC, ERMB, etc.

TAP 19:20:50:07.5, 23.84N-121.82E, h30km, ML3.1
JMA 19:20:50:07.4, 0.2, 23.90N-121.86E, h80km, M2.4
ISC 19:20:50:07.1, 2.3, 23.8N-0.3, 121.8E, 0.1, h70km, 43km, n7,

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like YOJ, YOY, IRI, etc.

NIED 19 21:37:00.27, 80N, 140.90E, h420km, Mw4.4. Best double couple. M0:3.81x10^15 NP1:9.105, 858, lambda-105. NP2: theta=312, delta=35, lambda=68.

JMA 19 21:37:29.0, 2.7, 79N, 140.87E, h431km, Mw4.6. BUI 19 21:37:30.5, 2.7, 58N, 139.90E, h428km, Mw4.6. NEIC 19 21:37:31.9, 0.8, 2.7, 65N, 139.92E, h426km, Mw4.5/4.1.

MOS 19 21:37:42.4, 0.8, 2.8, 35N, 139.64E, h514km, Mw4.6/1.8. Error ellipse: s-min=18.0km s-max=8.3km az=15.4, phi=312, delta=35, lambda=68.

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

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like TK01, BSO1, etc.

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like JKN, BSO4, etc.

Table with columns: KMI, XS, AMB, Time, Res. Includes stations like KMI, KMI, etc.

Table with columns: YAK, XS, AMB, Time, Res. Includes stations like YAK, YAK, etc.

Table with columns: GYA, XS, AMB, Time, Res. Includes stations like GYA, GYA, etc.

Table with columns: FX1, XS, AMB, Time, Res. Includes stations like FX1, BOD, etc.

Table with columns: BDT, XS, AMB, Time, Res. Includes stations like BDT, LSA, etc.

Table with columns: PKI, XS, AMB, Time, Res. Includes stations like PKI, KKN, etc.

Table with columns: DMN, XS, AMB, Time, Res. Includes stations like DMN, GKN, etc.

Table with columns: MKAR, XS, AMB, Time, Res. Includes stations like MKAR, MKAR, etc.

Table with columns: DAN, XS, AMB, Time, Res. Includes stations like DAN, KOLN, etc.

Table with columns: YKA, XS, AMB, Time, Res. Includes stations like YKA, YKA, etc.

Table with columns: JOF, XS, AMB, Time, Res. Includes stations like JOF, TRO, etc.

Table with columns: OBN, XS, AMB, Time, Res. Includes stations like OBN, OBN, etc.

Table with columns: KAF, XS, AMB, Time, Res. Includes stations like KAF, KAF, etc.

Table with columns: KIV, XS, AMB, Time, Res. Includes stations like KIV, KIV, etc.

Table with columns: HRV, XS, AMB, Time, Res. Includes stations like HRV, NVAR, etc.

Table with columns: HLD, XS, AMB, Time, Res. Includes stations like HLD, SUW, etc.

Table with columns: NB2, XS, AMB, Time, Res. Includes stations like NB2, NOA, etc.

Table with columns: BOZ, XS, AMB, Time, Res. Includes stations like BOZ, TPH, etc.

Table with columns: PLCA, comp-Z, 11nm, 0.6s, pmax, PKPbc, PKPdf, 21 56 38.0 +8.9

Table with columns: STR 19 21:44:44.1±0.1, 43.02N±0.21W, h5km±1km, M12.2, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

Table with columns: STR 19 21:48:52.0±0.1, 43.02N±0.20W, h5km±1km, M12.2, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

Table with columns: BUI 19 22:12:37.9, 13.84N±120.95E, h206km, mb4.7, mb4.6

Table with columns: IDC 19 22:12:39.2±0.1, 14.14N±120.78E±0.07, h190km±2km, n58, c0598/63, mb4.2/27, 1C-3D, Luzon

Table with columns: KMI Kunming 20.17 306 eP P 22 17 03.3 +2.7

Table with columns: KMA Makanchi Array 45.73 323 P P 22 20 43.1 +0.1

Table with columns: IMA Indian Mountain 75.39 25 eP P 22 24 04.6 +1.5

Table with columns: DJA 19 22:12:57.2±0.9, 8.62S±115.35E, h101km±6km, MD4.6/4, ML3.6/1, 3C-5D, Error ellipse: s-maj=24.2km

Table with columns: IDC 19 22:27:47.7±9.2, 35.64N±71.38E, mb3.8/3, mb1 3.7/5, mb1mx3.4/19, ML3.1/2, Error ellipse: s-maj=157.0km

Table with columns: AML Almayushy 6.33 18 P P 22 29 28.6 +0.5

Table with columns: NAO 19 23:12:47.9±1.7, 67.78N±20.24E, ML2.2, HEL 19 23:12:48.0±0.1, 67.87N±20.20E, ML1.9, ML1.7(UPP), ML2.0(BER), Explosion

Table with columns: KUA Kurraavaara 0.13 26 i P P 23 12 49.6 +0.7

Table with columns: UMAU Umeaa 3.98 177 eP Pn 23 13 58.0 +0.9

Table with columns: FIAO baz=353,slow=28 Lg 23 16 18.2

Table with columns: BER 19 23:20:41.6±3.1, 67.87N±20.10E, ML1.6, ML2.1(NAO), Suspected explosion

Table with columns: KTK1 Kautokeino 1.79 40 eP Pn 23 21 09.8 +1.5

Table with columns: IDC 19 23:28:14.3±0.8, 60.48N±172.24E, mb3.7/9, mb1 4.0/11, mb1mx3.8/24, ML3.2/2, MS3.2/2, Ms1 3.2/2, ms1mx2.5/21

Table with columns: FX1 Attu Island-F 7.47 175 Pn Pn 23 30 04.8 -0.2

Table with columns: IMA Indian Mountain 16.29 55 eP P 23 32 05.8 +2.5

Table with columns: CASC 19 23:50:46.3±2.1, 12.29N±87.48W, h60km±27km, MD3.7, ML3.3

Table with columns: PYN Peneloya 0.48 71 i P P 23 50 58.0 0.0

Table with columns: FX1 Attu Island-F 7.35 175 Pn Pn 23 52 39.1 +2.2

Table with columns for code, station name, time, and other data. Includes stations like INK, YKA, FINES, NOA, etc.

IDC 20 00:50:34.2-30.0, 15.94S-175.77W, mb4.4/4, mb1 4.6/4, s-min=139.1km, Error ellipse: s-maj=585.0km

Table with columns for code, station name, time, and other data. Includes stations like STKA, WRA, AS12, etc.

NEIC 20 01:01:48.5, 37.94N-19.92E, h10km, MD3.4(A), After ATH.

Table with columns for code, station name, time, and other data. Includes stations like VLS, LKD, RLD, etc.

MEX 20 01:17:43.3-0.7, 16.21N-98.38W, h6km, 5km, MD4.1

Table with columns for code, station name, time, and other data. Includes stations like PNIG, CAIG, HAIG, etc.

NEIC 20 01:21:36.6-3.0, 15.36S-174.90W, h255km, 27km, mb4.3/6, Error ellipse: s-maj=15.9km

Table with columns for code, station name, time, and other data. Includes stations like RAR, URZ, SNZO, etc.

Large table with columns for code, station name, time, and other data. Includes stations like BJT, CMAR, KMK, etc.

BUI 20 02:01:49.0, 49.50N-127.20W, h27km, mb5.0, mb4.7, Ms4.2, Ms2.3

Table with columns for code, station name, time, and other data. Includes stations like EDB, ETB, BPPC, etc.

ISL 20 02:01:50.1-6.49, 62N-126.84W, h9km, 12km, mb3.3/1, mb1 3.8/9

Table with columns for code, station name, time, and other data. Includes stations like MVB, NCRB, BTB, etc.

Table with columns for code, station name, time, and other data. Includes stations like WPB, OBC, BBB, etc.

HUMO 20 02:01:49.0, 49.50N-127.20W, h27km, mb5.0, mb4.7, Ms4.2, Ms2.3

Table with columns for code, station name, time, and other data. Includes stations like YBH, YKB, DLBC, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Pian Castagno, Oropa, Saint-Julien-I, Ste Croix, La Chapelie, Pioggiola, Calviac, Montolieu.

THR 20 03:21:09.7-0.8, 32.65N-48.63E, h14km, 30km, ML3.8
NEIC 20 03:21:13.5-0.6, 32.58N-48.92E, h35km, mb4.3/17, Error ellipse: s-maj=13.0km s-min=9.2km az=181.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Mutribah, Tehran-Karaj, Damavand, Al-Radifah, Ghir-Karzin, Ha'il, Mizel, Rayn, Jabal al Asfar.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Mutribah, Tehran-Karaj, Damavand, Al-Radifah, Ghir-Karzin, Ha'il, Mizel, Rayn, Jabal al Asfar.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Mutribah, Tehran-Karaj, Damavand, Al-Radifah, Ghir-Karzin, Ha'il, Mizel, Rayn, Jabal al Asfar.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Mutribah, Tehran-Karaj, Damavand, Al-Radifah, Ghir-Karzin, Ha'il, Mizel, Rayn, Jabal al Asfar.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Mutribah, Tehran-Karaj, Damavand, Al-Radifah, Ghir-Karzin, Ha'il, Mizel, Rayn, Jabal al Asfar.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Mutribah, Tehran-Karaj, Damavand, Al-Radifah, Ghir-Karzin, Ha'il, Mizel, Rayn, Jabal al Asfar.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Mutribah, Tehran-Karaj, Damavand, Al-Radifah, Ghir-Karzin, Ha'il, Mizel, Rayn, Jabal al Asfar.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Mutribah, Tehran-Karaj, Damavand, Al-Radifah, Ghir-Karzin, Ha'il, Mizel, Rayn, Jabal al Asfar.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Mutribah, Tehran-Karaj, Damavand, Al-Radifah, Ghir-Karzin, Ha'il, Mizel, Rayn, Jabal al Asfar.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Mont Tournerais, Bricherasio, Mont Vial, L'Aution, Fenestrelle, Auriere, Calern, Saorge, Sospel.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Mont Tournerais, Bricherasio, Mont Vial, L'Aution, Fenestrelle, Auriere, Calern, Saorge, Sospel.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Mont Tournerais, Bricherasio, Mont Vial, L'Aution, Fenestrelle, Auriere, Calern, Saorge, Sospel.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Mont Tournerais, Bricherasio, Mont Vial, L'Aution, Fenestrelle, Auriere, Calern, Saorge, Sospel.

LDG 20 03:40:18.6-0.2, 20.65S-169.08E, h10km, Mb5.4, Ms5.1/8, Error ellipse: s-maj=17.5km s-min=4.2km az=141.0
MOS 20 03:40:21.9-1.1, 20.37S-169.36E, h33km, Mb5.5/43, MS5.3/21, Error ellipse: s-maj=11.3km s-min=8.9km az=78.6

Nm: M=4.18; Mw=0.43; Mw=3.76; Mw0.34; Mw1.02; Mw=0.71; Best double couple: M4.2x10^17 NP1=336°, δ40°, λ93°. NP2=163°, δ50°, λ88°. Principal axes: T 4.26, P1g84°, Azm57°; N -1.4, P1g2°, Azm164°; P -4.11, P1g5°, Azm254°;
IDC 20 03:40:24.0-2.0, 20.37S-169.35E, h39km, mb4.9/24, mb1.4, 9.25, mb1mx4.9/26, ML5.0/1, MS5.2/13, Ms1 5.2/13, ms1mx5.2/15 Error ellipse: s-maj=11.2km s-min=9.6km az=139.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Butte a Klehm, Mont Dzumac, Port Laguerre, Armidale, Urena, Sospel.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Butte a Klehm, Mont Dzumac, Port Laguerre, Armidale, Urena, Sospel.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Butte a Klehm, Mont Dzumac, Port Laguerre, Armidale, Urena, Sospel.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Butte a Klehm, Mont Dzumac, Port Laguerre, Armidale, Urena, Sospel.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Butte a Klehm, Mont Dzumac, Port Laguerre, Armidale, Urena, Sospel.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Butte a Klehm, Mont Dzumac, Port Laguerre, Armidale, Urena, Sospel.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Butte a Klehm, Mont Dzumac, Port Laguerre, Armidale, Urena, Sospel.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Butte a Klehm, Mont Dzumac, Port Laguerre, Armidale, Urena, Sospel.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Butte a Klehm, Mont Dzumac, Port Laguerre, Armidale, Urena, Sospel.

20d 3h

Table with columns for code (KIP, CBJI, RCP, VNSA, etc.), name (Kipapa, Chichi jima, Roxas, etc.), time (52.39, 39, etc.), status (PFAKE, LR), and various numerical data points.

Table with columns for code (FX1, WHN, WHN, etc.), name (Attu Island, Wuhan, Petropavlovsk, etc.), time (73.01, 2, etc.), status (P, P, etc.), and various numerical data points.

Table with columns for code (CM31, CMAR, CMAR, etc.), name (Chiang Mai, Chengdu, Magadan, etc.), time (79.03, 294, etc.), status (P, P, etc.), and various numerical data points.



Table with columns for call sign, name, frequency, mode, and status. Includes call signs like GAOTAI, YAKUTSK, PALMER, HULL MOUNTAIN, etc.

Table with columns for call sign, name, frequency, mode, and status. Includes call signs like ZAKAMENSK, EIHLSON ARRAY, ILAR, RATTLESNAKE MO, etc.

Table with columns for call sign, name, frequency, mode, and status. Includes call signs like JTS, LIMON VERDE, CATHEDRAL CAVE, JEWELL FARM, etc.



Table with columns: LSP, RSG, MTTG, SMF, AVF, FENE, SGMP, ROHF, BHS, FIN, ROB, BGF, RORO, GRN, MBDF, MONE, ENR, QUIF, STV, IMI, PLDF, SURF, ORIF, SAOF, AGO, NEGI, AUTN, TCF, COLF, PYM, PGF, CALN, OCF, OG26, MFF, VWF, LCHF, LBL, SMRF, LMR, RJF, CAF, LASF, LFF, MTLF, PVIS, MTE, MTE, MTE, MTE, ESDC, ESDC, ESDC, PCBR, PTOM, EVO, PBEJ, PALC, LIC, LIC, KIC, DBIC, DBIC, DBIC, DBIC, DBIC, TIC, MAN 20 03:59:40.0, 9.33N:126.23E, h31km, mb4.1, ML2.9, MS2.6

Table with columns: STV2, RRL, ENR, GNR, BHB, TOUF, MVIF, ROF, FENE, FENE, AUTN, AURF, CALN, SAOF, SBF, ORIF, MONE, RSP, ROB, REV, FRF, GDM, NEGI, SMRF, IMI, ROR, LSD, LSG, LSG, LSG, LSG, LMR, LMR, PCP, TRAV, ORX, VWF, LASF, CBF, CBF, CBF, GRAM, VALM, SARO, PLYM, MAM, SMF, SMF, SMF, AVF, AVF, AVF, CAF, HIN, HIN, HIN, MTLF, MTLF, MTLF, BGF, BGF, BGF, SSF, SSF, SSF, LOR, LOR, LOR, HAU, HAU, TCF, RJF, CZF, CZF, EPF, BAIF, CASQ 20 04:28:17.7, 2.0, 1.3, 32.2N:89.92W, h25km, 6km, MD3.5, ML3.6

Table with columns: SNVI, NBN, BNG, BLLM, MRL, TP2, TP2, JAT, JAT, CNCH, CNCH

NEIC 20 04:49:49.6, 16.29N:97.68W, h55km, MD3.8(MEX), After

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

DC 20 05:09:30.8, 3.0, 3.1, 21N:115.81W, mb3.4/1, mb1 3.8/3, mb1mx3.4/19, ML3.4/2, MS3.3/1, Ms1 3.3/1, ms1mx2.9/17, Error ellipse: s-maj=55.5km s-min=14.3km, az=38.0

NEIC 20 05:09:37.2, 32.26N:115.14W, h7km, ML3.7(PAS), After

ECX 20 05:09:38.1, 0.7, 32.28N:115.12W, h4km, MD3.8, ML4.1, ISC 20 05:09:36.3, 0.6, 32.31N:0.02, 115.07W, 0.03, h14km, 4km, n34, r104/46, mb3.3/1, MS3.1/1, 5C-6D, California-Baja

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

DJA 20 05:18:47.8, 1.0, 9.35S:115.39E, h52km, 12km, ML3.5/2, 3C-4D, Error ellipse: s-maj=42.8km s-min=10.8km

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

NEIC 20 05:22:17.0, 4.0, 6.2, 60N:79.54W, h10km, mb4.4/4, Error ellipse: s-maj=20.3km s-min=9.8km, az=61.0

DC 20 05:20:30.3, 0.8, 2.47N:79.86W, h28km, 5km, mb3.7/10, mb1 4.0/12, mb1mx3.9/20, ML3.3/2, Error ellipse: s-maj=29.2km s-min=14.9km, az=57.0

ISC 20 05:22:15.4, 3.4, 2.48N:0.07, 79.92W, 0.07, h15km, 26km, h28km, 6km, pP-P, n26, r120/25, mb3.9/12, South of Panama

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

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Santo Domingo, La Paz, LVC, TXAR, CPUP, ANMO, etc.

MOS 20 05:24:18.8±0.6, 54.60N±162.72E, h22km, mb4.0/1, Error ellipse: s-maj=33.6km s-min=18.2km az=48.4

KRSC 20 05:24:20.8±0.5, 54.63N±162.50E, h21km, ML4.0

ISC 20 05:24:19.3±0.5, 54.64N±162.62E±0.06, h21km, n29, α094/57, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MKZ, TUMR, KRG, KBG, KMN, etc.

MAN 20 05:26:41.0±9.65N±121.98E, h75km, mb4.5, ML3.3, MS3.2, Sulu Sea

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

ISC 20 05:32:17.2±1.7, 13.16N±143.21E, mb3.9/5, mb1 4.2/5, mb1mx3.8/17, Error ellipse: s-maj=141.0km s-min=23.8km az=108.0

NEIC 20 05:32:34.5±1.6, 12.81N±143.73E, h138km, 15km, mb4.2/1, Error ellipse: s-maj=41.9km s-min=17.5km az=105.0

ISC 20 05:32:32.7±1.2, 12.8N±143.6E±0.3, h135km±19km, n7, α128/8, mb3.7/6, South of Mariana Islands

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

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

ISC 20 05:39:26.6±7.5, 29.91S±178.30W, h390km, 86km, mb3.2/2, mb1 3.5/3, mb1mx3.2/12.0, Error ellipse: s-maj=88.2km s-min=29.3km az=173.0

ISC 20 05:39:16.9±1.5, 29.15S±178.6W±0.3, h294km±17km, n16, α1925/22, mb3.5/2, Kermadec Islands

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

ISC 20 05:42:15.0±1.6, 15.80S±174.00W, mb3.8/7, mb1 4.2/7, mb1mx4.0/15, Error ellipse: s-maj=108.0km s-min=20.4km az=148.0

ISC 20 05:42:18.6±1.4, 15.85S±174.1W±0.4, h33km, n7, α021/77, mb3.8/7, Tonga Islands

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

ISC 20 05:45:05.0±42.0, 15.85S±174.17W, mb4.4/3, mb1 4.6/3, mb1mx3.9/15, Error ellipse: s-maj=80.3km s-min=164.7km az=78.0, Tonga Islands

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

ATH 20 06:00:43.1, 39.93N±25.48E, h10km, MD2.7/3 THE 20 06:00:43.4, 39.87N±25.34E, h11km, ML2.5, Aegean Sea

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

ATH 20 06:02:19.5, 39.91N±25.44E, h10km, MD3.0/3 THE 20 06:02:20.2, 39.88N±25.31E, h14km, ML2.9

ISC 20 06:02:19.1±1.1, 39.90N±25.36E±0.06, h11km, 8km, n9, α08/86/12, Aegean Sea

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

ISC 20 06:02:34.8±18.0, 37.55N±72.24E, h172km, 110km, mb3.4/5, mb1 3.4/7, mb1mx3.2/20, Error ellipse: s-maj=186.0km s-min=35.3km az=4.0

NNC 20 06:02:42.0±15.0, 38.42N±72.43E, h261km±136km, mpv3.3, Error ellipse: s-maj=164.7km s-min=127.3km az=8.0

ISC 20 06:02:39.7±3.1, 38.1N±72.1E±0.2, h199km±19km, n16, α078/18, mb3.5/4, D, Tajikistan

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

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

ISC 20 06:28:43.6±1.0, 39.06S±174.69E, h592km, 11km, mb3.2/5, mb1 3.3/7, mb1mx3.3/13, Error ellipse: s-maj=19.9km s-min=16.1km az=106.0

NEIC 20 06:28:45.9±39.02S±174.76E, h581km, mb4.7/1, After WEL

WEL 20 06:28:46.0±0.2, 38.98S±174.76E, h579km, 1km, ML5.1/11, Error ellipse: s-maj=4.4km s-min=3.9km az=0.0

ISC 20 06:28:44.2±0.4, 39.16S±105.47E±0.10, h593km, 3km, n136, α08/66/166, mb4.1/6, 42C-50D, North Island

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LTZ Lake Taylor, CRLZ Canterbury Las, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PDAR Piedrale Array, TXAR 0.9m, 0.5s, mb3.4, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PLDF La Plantade, HGN Heimgangroge, etc.

NEIC 20 06:43:44.7, 32.17S-70.49W, h96km, MD3.5(GUC), After GUC

GUC 20 06:43:44.7, 0.9, 32.17S-70.49W, h96km, 5km, MD3.5, ML3.4, 6C-3D, Chile-Argentina border region

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

Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PDA Ponta Delgada, PDS Santiago, etc.

NEIC 20 06:49:00.1, 0.2, 52.9N-173.8W, 0.1, h164km, 11km, n17, 0.97623, mb3.3/4, Andreanof Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ATKA Atka Island, GSIg Igitkin Island, etc.

ISC 20 06:48:19.0, 7.5, 52.75N-173.84W, h175km, 107km, mb3.1/4, mb1 3.4/6, mb1mx3.1/23, Error ellipse: s-maj=67.6km s-min=37.0km az=116.0

NEIC 20 06:48:19.3, 52.78N-173.67W, h158km, After AEIC

ISC 20 06:48:17.2, 0.6, 52.9N-173.8W, 0.1, h164km, 11km, n17, 0.97623, mb3.3/4, Andreanof Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ATKA Atka Island, GSIg Igitkin Island, etc.

ISC 20 06:49:00.1, 0.2, 52.9N-173.8W, 0.03, h10km, n310, 1.011/292, mb4.7/110, MS4.3/70, 16C-6D, Northern

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

ISC 20 06:49:00.1, 0.2, 52.9N-173.8W, 0.03, h10km, n310, 1.011/292, mb4.7/110, MS4.3/70, 16C-6D, Northern

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

20d 6h

Table of weather data for 20d 6h, including stations like BRG, BRG, BRG, etc., with columns for station name, time, direction, speed, and other metrics.

2004 JUL

Table of weather data for 2004 JUL, including stations like VRSR, CPCT, UTMIT, etc., with columns for station name, time, direction, speed, and other metrics.

428

Table of weather data for 428, including stations like COLA, RCBR, RCBR, etc., with columns for station name, time, direction, speed, and other metrics.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Lanzhou, Enshi, Sheshan, Paso Flores, etc.

NEIC 2007-03:29.8.4.36.90N:71.91E, h181km, 53km, mb3.5/2, Error ellipse: s-maj=77.9km s-min=24.0km az=185.0

MOS 2007-03:29.3.0.36.95N:71.82E, h186km, mb3.7/5, Error ellipse: s-maj=36.0km s-min=15.3km az=98.5

IDC 2007-03:31.44.12.0.37.00N:72.03E, h196km, 74km, mb3.4/8, mb1.3/4.10, mb1mx3.4/21, Error ellipse: s-maj=125.0km s-min=25.6km az=177.0

NNC 2007-03:38.7.4.4.37.68N:71.65E, h223km, 54km, mpv3.8, Error ellipse: s-maj=72.8km s-min=44.4km az=52.0

ISC 2007-03:35.4.2.3.37.5N:0.21.7E:0.1, h213km, 15km, n35, o553/37, mb3.5/8, 3D, Afghanistan-Tajikistan border region

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

IDC 2007-11:51.8.0.7.31.84S:69.46W, h35km, 3km, mb4.1/12, mb1.4/3/16, mb1mx4.3/18, ML4.6/4, MS3.8/6, Ms1.3/7.6, ms1mx3.5/16, Error ellipse: s-maj=20.3km s-min=15.7km az=81.0

GUC 2007-11:53.0.1.0.31.82S:69.42W, h22km, 4km, MD4.9, ML4.8

NEIC 2007-11:53.1.0.3.31.79S:69.29W, mb4.7/9, MD4.9(GUC), Error ellipse: s-maj=6.1km s-min=3.5km az=102.0

NEIC Felt [III] at San Juan, ISC 2007-11:52.8.0.5.31.77S:02.6929W, 0.05, h59km, 5km, h44km, 1.4km, pP-P, n14, r15/83, mb4.4/20, MS3.7/3, 12C-11D, San Juan Province

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

IHA Instituto Hidir 2.35 237 eP P 07 12 27.1 -2.8

LCOH Las Cruces 2.57 228 eP P 07 12 30.9 -2.1

PLCA Paso Flores 9.00 186 Pn P 07 13 59.9 -2.6

PLCA Paso Flores 9.00 186 Pn P 07 13 59.9 -2.6

LVC Limon Verde 9.13 2 Pn P 07 14 02.1 -2.2

CPUP Villa Florida 11.78 66 Pn P 07 14 39.9 -0.9

ARE Arequipa 15.37 352 eP P 07 15 28.6 +1.1

USHA Ushuaia 23.06 179 P P 07 16 53.1 -0.4

BDFB Brasilia 25.17 55 eP P 07 17 15.7 +1.5

ROSC El Rosal 36.28 352 P P 07 18 57.6 +1.3

JTS JuntasAbangare 44.43 338 P P 07 20 01.3 +1.5

VNA1 Neumayer-Stat 50.84 158 I P P 07 21 02.4 +1.3

VNA2 Neumayer-Watz 51.19 158 I P P 07 21 05.2 +1.4

PWV Princeton 69.62 350 eP P 07 22 57.6 -0.2

DBIC Dimbokro 72.26 70 P P 07 23 19.3 +0.2

DBIC Dimbokro 72.26 70 P P 07 23 19.3 +0.2

PDAR Pinedale Array 82.87 331 P P 07 24 12.2 0.0

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

NEIC 2007-07:26.38.1.0.9.13.94N:89.78W, h10km, mb3.4/1, Error ellipse: s-maj=28.4km s-min=11.5km az=212.0

CASC 2007-03:39.1.0.9.13.28N:90.24W, h26km, 6km, MD4.1, ML4.2, mb3.4(NEIC)

IDC 2007-07:26.45.1.4.8.13.65N:89.60W, h95km, 90km, mb3.4/4, mb1.3/7.4, mb1mx3.4/19, Error ellipse: s-maj=111.0km s-min=37.4km az=16.0

ISC 2007-07:26.37.6.0.6.13.22N:0.06.90.27W:0.04, h66km, 9km, n38, r150/53, mb3.9/3, 3C-9D, Near coast of Guatemala

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

RBDD Boqueron 1.05 32 I P P 07 26 57.0 +0.2

BBLL Bellamira 1.99 83 I P P 07 27 34.6 +1.3

CMIG Matias Romero 5.89 311 I P P 07 28 03.7 -0.4

JCR Jicaral 6.06 123 eP P 07 28 46.0 -2.0

URSC Uruca 7.20 117 eP P 07 28 22.4 0.0

TXAR Lajitas Array 20.29 324 P P 07 31 13.7 +3.3

NVAR Mina Array Bea 35.34 320 P P 07 33 32.8 +4.2

SCHO Schöfferville 45.39 19 P P 07 34 49.5 -1.7

YKA Yellowknife Arr 52.17 346 P P 07 35 43.0 -0.5

WBJ Warramunga Arr 136.82 255 eP PKPdf 07 46 03.1 +9.5

IDC 2007-07:43.47.4.0.9.36.04N:69.13E, mb4.2/15, mb1.4/4/18, mb1mx4.3/23, ML4.0/2, MS3.4/5, Ms1.3/5, ms1mx3.1/21, Error ellipse: s-maj=19.0km s-min=16.0km az=18.0

MOS 2007-07:43:51.7.1.5.36.34N:69.03E, h33km, mb4.5/15, Error ellipse: s-maj=11.3km s-min=6.9km az=102.0

NEIC 2007-07:43:54.2.0.3.36.40N:69.35E, h45km, mb4.6/18, Error ellipse: s-maj=9.0km s-min=7.7km az=213.0

BJI 2007-07:43:55.2.36.64N:69.23E, h40km, mb4.5, mb4.5, ML4.8, Ms4.0

NNC 2007-07:44:06.2.5.5.37.08N:69.29E, h154km, 36km, mpv4.3, Error ellipse: s-maj=76.4km s-min=48.9km az=73.0

ISC 2007-07:43:54.3.0.7.36.33N:0.03.69.21E:0.05, h61km, 7km, n112, r123/131, mb4.4/32, 5C-8D, Hindu Kush region

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

Table with columns: CHMS, Humysh, SNR, Az, El, P, 07 45 49.3 +0.3, SHL, Shillong, 22.16 113, eP, P, 07 48 47.5 +1.2, etc.

Table with columns: SHL, Shillong, 22.16 113, eP, P, 07 48 47.5 +1.2, SOCHI, Sochi, 23.65 297, eP, P, 07 49 00.1 -0.5, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, P, etc. Includes stations like OJC, Ojcow, Ostrava-Krasne, etc.





Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like LVC, TLL, CMCH, LPAZ, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like LVC, LPAZ, CPUP, TXAR, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like LVC, LPAZ, CPUP, TXAR, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like SEG, MBLG, MBRY, etc.

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

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

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like SZAC, SZAC, LFK, LFK, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like TCE, TCE, GUV, GUV, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like TCE, TCE, GUV, GUV, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like TCE, TCE, GUV, GUV, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like TCE, TCE, GUV, GUV, etc.

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

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

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

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

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

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



SSE	comp=E,5um,18.4s,MSS.5	LR	LR		
SSE	comp=Z,15um,15.4s,MSS.6	P	P	14 21 54.0	-0.8
SSE	Sheshan 25.77 301	sP	sP	14 22 02.8	-4.5
SSE	comp=Z,7.7nm,0.8s,mb5.3	S	S	14 26 21.9	+2.2
SSE		sS	sS	14 26 32.4	
SSE		LR	LR		
SCZP	comp=Z,15um,15.4s,MSS.6	eP	eP	14 22 11.8	+1.5
LUBP	Santa Cruz 25.94 266	P	P	14 22 00.6	+2.2
IPIL	Lubang 26.14 261	eP	eP	14 22 01.3	+1.2
CUYO	Cuyo Island 26.33 247	eP	eP	14 22 02.5	+1.9
VLA	Vladivostok 26.39 254	P	P	14 22 00.0	-2.0
VLA		i	i	14 22 13.0	
VLA		i	i	14 22 56.0	
VLA		i	i	14 26 37.0	+4.3
VLA		i	i	14 27 41.0	
VLA		i	i	14 27 56.0	+1.2
VLA	comp=Z,2um,12.0s	SS	SS		
VLA	comp=N,2um,9.0s	pmax	pmax		
VLA	comp=E,1um,9.0s	pmax	pmax		
VLA	comp=Z,2um,8.0s	pmax	pmax		
VLA	comp=N,3um,10.0s	pmax	pmax		
VLA	comp=E,1um,7.0s	pmax	pmax		
VLA	comp=E,8um,12.0s	smax	smax		
VLA	comp=Z,2um,10.0s	smax	smax		
VLA	comp=N,8um,11.0s	smax	smax		
VLA	comp=Z,8um,17.0s,MSS.3	MLR	MLR		
VLA	comp=N,9um,15.0s,MSS.5	MLR	MLR		
VLA	comp=E,2um,13.0s,MSS.5	MLR	MLR		
OZH	Quanzhou 26.64 287	iP	iP	14 22 01.8	-1.1
OZH		S	S	14 26 42.0	+7.9
OZH	comp=Z,70nm,1.0s,mb5.2	AMB	AMB		
OZH	comp=N,11um,15.0s,MSS.7	LR	LR		
OZH	comp=E,10um,13.0s,MSS.7	LR	LR		
OZH	comp=Z,22um,17.3s,MSS.8	LR	LR		
BUSP	Coron 26.72 257	eP	eP	14 22 05.2	+1.5
YSS	Yuzh-Sakhalins 27.43 354	eP	eP	14 22 11.0	+1.1
YSS		e	e	14 22 17.8	-0.7
YSS		eSS	eSS	14 26 56.0	
YSS	comp=Z,7um,17.0s,MSS.3	MLR	MLR		
YSS	comp=N,6um,19.0s	MLR	MLR		
YSS	Yuzh-Sakhalins 27.43 354	eP	eP	14 22 10.0	+0.1
ENPP	El Nido 27.71 256	eP	eP	14 22 14.5	+1.8
NJ2	Nanjing 27.97 302	eP	eP	14 22 16.4	+1.5
NJ2		AP	AP	14 22 20.1	-3.4
NJ2		XP	XP	14 22 22.3	-5.1
NJ2		PP	PP	14 23 05.1	+0.2
NJ2		S	S	14 27 00.0	+4.6
NJ2		XS	XS	14 27 05.0	
NJ2	comp=Z,60nm,1.1s,mb5.1	AMB	AMB		
NJ2	comp=Z,4um,10.9s	AMB	AMB		
NJ2	comp=Z,32um,15.8s,MSS.0	LR	LR		
MDJ	Mudanjiang 28.74 334	P	P	14 22 22.4	+0.7
MDJ		AP	AP	14 22 25.4	-5.0
MDJ		S	S	14 27 17.0	
MDJ		XS	XS	14 29 14.3	
MDJ		P	P	14 29 15.5	
MDJ		PCS	PCS	14 33 04.8	+3.1
MDJ		SCS	SCS		
MDJ		AMB	AMB		
MDJ	comp=Z,2um,5.7s	LR	LR		
MDJ	comp=N,8um,14.0s,MSS.6	LR	LR		
MDJ	comp=E,7um,14.0s,MSS.6	LR	LR		
MDJ	comp=Z,13um,14.0s,MSS.7	LR	LR		
MDJ	Mudanjiang 28.74 334	eP	eP	14 22 22.9	+1.2
PMG	Port Moresby 28.88 179	P	P	14 22 20.0	-3.2
PMG	comp=Z,59nm,0.7s,mb5.4,baz=36,slow=1.5,SNR=17	sP	sP	14 22 20.0	-3.2
PMG	Port Moresby 28.88 179	P	P	14 22 20.0	-3.2
PMG		pmax	pmax		
PMG	Port Moresby 28.88 179	eP	eP	14 22 21.5	-1.7
PMG	comp=Z,118nm,1.0s,mb5.6	LR	LR		
PMG	comp=Z,8um,19.0s,MSS.3	LR	LR		
DL2	Dalian 29.03 317	P	P	14 22 22.6	-1.8
DL2		S	S	14 27 12.8	+0.3
DL2	comp=N,5um,16.8s,MSS.3	LR	LR		
DL2	comp=E,5um,15.9s,MSS.3	LR	LR		
DL2	comp=N,13um,18.4s,MSS.3	LR	LR		
SNY	Shenyang 29.64 323	iP	iP	14 22 27.3	-2.5
SNY		S	S	14 27 23.0	+1.0
SNY	comp=E,8um,15.3s	LR	LR		
CN2	comp=Z,6um,16.7s,MSS.3	LR	LR		
CN2	Changchun 30.01 328	eP	eP	14 22 32.8	-0.3
CN2		eXP	eXP	14 22 39.6	-6.0
CN2		eS	eS	14 27 28.8	+0.9
CN2	comp=Z,500nm,10.0s	AMB	AMB		
CN2	comp=N,10um,15.0s,MSS.8	LR	LR		
CN2	comp=E,13um,15.0s,MSS.8	LR	LR		
CN2	comp=Z,11um,18.0s,MSS.5	LR	LR		
BATP	Bataraza 30.11 253	eP	eP	14 22 37.6	+3.4
WHN	Wuhan 31.26 297	iP	iP	14 22 42.0	-2.3
WHN		S	S	14 27 48.0	+0.2
WHN	comp=N,13um,16.0s,MSS.8	LR	LR		
WHN	comp=E,11um,17.4s,MSS.8	LR	LR		
WHN	comp=Z,14um,17.0s,MSS.7	LR	LR		
SKR	Severo-Kuril's 31.82 11	eP	eP	14 22 46.0	-3.0
SKR		ePPP	ePPP	14 24 16.0	+6.2
SKR		eS	eS	14 27 55.0	-1.3
SKR		eSSS	eSSS	14 30 10.0	-0.8
SKR		ePS	ePS	14 33 10.0	
SKR	comp=N,800nm,4.0s	pmax	pmax		
SKR	comp=E,1um,4.0s	pmax	pmax		
SKR	comp=Z,1um,4.0s	pmax	pmax		
SKR	comp=Z,60nm,0.6s,mb5.6	pmax	pmax		
SKR	comp=N,2um,10.0s	smax	smax		
SKR	comp=E,3um,10.0s	smax	smax		
SKR	comp=Z,5um,14.0s,MSS.4	MLR	MLR		
SKR	comp=N,4um,12.0s,MSS.6	MLR	MLR		
SKR	comp=E,7um,12.0s,MSS.6	MLR	MLR		
KLR	Kul'dur 31.90 341	eP	eP	14 22 48.5	-1.2
KLR		eS	eS	14 24 06.3	
KLR		P	P	14 27 58.0	+0.5

KLR	comp=N,1um,9.5s	eSS	SS	14 30 12.0	+2.2
KLR	comp=Z,2um,9.5s	pmax	pmax		
KLR	comp=N,1um,11.0s	smax	smax		
KLR	comp=E,3um,11.0s	smax	smax		
KLR	comp=N,7um,14.0s	MLR	MLR		
KLR	comp=Z,10um,14.0s,MSS.7	MLR	MLR		
BJT	Baijiatuan 33.22 314	eP	eP	14 22 59.6	-1.6
BJJ	Beijing 33.23 314	P	P	14 22 59.5	-1.8
BJJ		S	S	14 28 15.3	-2.9
BJJ		S	S		
BJI	comp=N,8um,17.4s,MSS.7	LR	LR		
BJI	comp=E,11um,17.6s,MSS.7	LR	LR		
BJI	comp=Z,9um,20.7s,MSS.5	LR	LR		
BJI	Beijing 33.23 314	P	P	14 22 59.5	-1.8
BJI	comp=Z,31nm,2.3s,mb4.8	S	S	14 28 15.2	-3.0
BJI		LR	LR		
PET	comp=Z,9um,20.7s,MSS.5	eP	eP	14 23 15.2	+2.6
PET	Petrovavlovsk 34.54 13	eS	eS	14 28 40.9	+2.4
PET		pmax	pmax		
PET	comp=Z,100nm,9.8s	smax	smax		
PET	comp=N,800nm,5.7s	smax	smax		
PET	comp=N,100nm,8.0s	smax	smax		
PET	comp=E,200nm,8.5s	smax	smax		
PET	comp=Z,6um,13.0s,MSS.5	MLR	MLR		
PET	comp=Z,6um,16.0s	MLR	MLR		
PET	Petrovavlovsk 34.54 13	eP	eP	14 23 11.5	-1.1
PET		LR	LR		
QIZ	Qiongzong 34.88 275	P	P	14 23 15.3	-0.5
QIZ		PP	PP	14 24 31.9	-2.1
QIZ		S	S	14 28 45.5	+1.4
QIZ		LR	LR		
QIZ	comp=N,4um,18.0s,MSS.2	LR	LR		
TIY	Taiyuan 34.89 308	iP	iP	14 23 14.0	-1.7
TIY		S	S	14 28 47.0	+2.9
TIY		LR	LR		
TIY	comp=N,8um,14.0s	LR	LR		
KAKA	Kakadu 35.16 205	eP	eP	14 23 16.4	-1.8
ENH	Enshi 35.34 295	eP	eP	14 23 18.5	-1.1
XAN	comp=Z,56nm,1.1s,mb5.4	P	P	14 23 28.5	-1.1
XAN	Xi'an 36.53 301	LR	LR		
XAN	comp=N,6um,18.7s,MSS.6	LR	LR		
XAN	comp=E,8um,17.9s,MSS.6	LR	LR		
XAN	comp=Z,12um,16.2s,MSS.8	LR	LR		
HIA	Hailar 36.66 330	eP	eP	14 23 30.0	-0.6
HIA	comp=Z,53nm,0.8s,mb5.4	eP	eP	14 23 31.9	+0.6
HIA	Hu-ho-hao-tse 36.73 313	AP	AP	14 23 36.5	-3.6
HIA		XP	XP	14 23 38.9	-4.9
HIA		PP	PP	14 24 56.8	+0.1
HIA		PCP	PCP	14 25 55.6	+1.9
HIA		S	S	14 29 12.3	-0.1
HIA		XS	XS	14 29 20.4	
HIA		SCS	SCS	14 33 45.8	+3.3
HIA		LR	LR		
HIA	comp=N,3um,16.7s,MSS.4	LR	LR		
HIA	comp=E,4um,15.5s,MSS.4	LR	LR		
HIA	comp=Z,6um,16.8s,MSS.5	LR	LR		
GYA	Guiyang 37.48 288	iP	iP	14 23 37.4	-0.3
GYA		AP	AP	14 23 40.3	-6.2
GYA		XP	XP	14 23 43.8	-6.4
GYA		PP	PP	14 25 06.4	+0.3
GYA		SS	SS	14 29 13.3	-1.1
GYA		AMB	AMB	14 31 49.6	-8.0
GYA	comp=Z,2um,9.0s	LR	LR		
GYA	comp=N,4um,13.2s,MSS.6	LR	LR		
GYA	comp=E,4um,13.2s,MSS.6	LR	LR		
GYA	comp=Z,6um,14.1s,MSS.6	LR	LR		
BTO	Baotou 37.71 312	eP	eP	14 23 39.6	+0.1
BTO		S	S	14 29 20.9	-6.5
BTO		AMB	AMB		
FX1	Attu Island-F 38.93 25	P	P	14 23 50.1	+0.5
FX1	comp=Z,42nm,0.9s,baz=359,slow=11,SNR=4.2	LR	LR		
FX1	comp=Z,320nm,18.6s,baz=242,slow=36	LR	LR	14 39 52.4	
FX1	Attu Island-F 38.93 25	P	P	14 23 50.1	+0.5
FX1		pmax	pmax		
FX1	comp=Z,42nm,0.9s	pmax	pmax		
FX1	comp=Z,320nm,18.6s	MLR	MLR		
FX1	Attu Island-F 38.93 25	eP	eP	14 23 49.5	0.0
SMY	Shemya 39.20 26	P	P	14 23 50.8	-1.1
SMY		LR	LR		
CTA	Charters Tower 39.50 181	eP	eP	14 23 53.7	-1.0
CTA		eS	eS	14 29 51.7	-3.0
CTA		P	P	14 23 52.9	-1.7
CTA	Charters Tower 39.50 181	P	P	14 39 10.9	
CTA	comp=Z,9um,20.0s,MSS.6,baz=6.7,slow=35	LR	LR		
CTA	Charters Tower 39.50 181	P	P	14 23 52.9	-1.8
CTA		pmax	pmax		
CTA	comp=Z,18nm,0.6s	pmax	pmax		
CTA	comp=Z,9um,20.0s	MLR	MLR		
CTAO	Charters Tower 39.50 181	eP	eP	14 23 53.3	-1.3
CTAO	comp=Z,72nm,1.1s,mb5.3	LR	LR		
MA2	Magadan 39.97	3d	3d	14 23 58.9	+0.7
MA2		pmax	pmax		
MA2	comp=Z,163nm,1.2s,mb5.6	MLR	MLR		
MA2	comp=Z,2um,15.0s,MSS.0	MLR	MLR		
MA2	Magadan 39.97	3	eP	14 23 58.2	+0.1
MA2	comp=Z,238nm,1.4s,mb5.7	LR	LR		
UBT	Ubonrachathani 40.08 271	P	P	14 24 10.0	+1.1
CD2	Chengdu 40.32 295	iP	iP	14 24 01.0	-0.3
CD2		PP	PP	14 25 37.8	+0.2
CD2		PPP	PPP	14 26 06.9	+1.8
CD2		SCP	SCP	14 29 50.3	
CD2		S	S	14 30 05.3	-1.6
CD2		XS	XS	14 30 16.6	
CD2		SCS	SCS	14 34 06.3	+3.1
CD2	comp=Z,60nm,1.1s,mb5.2	AMB	AMB		
CD2	comp=Z,3um,9.8s	LR	LR		
CD2	comp=N,10um,15.0s	LR	LR		
CD2	comp=Z,13um,16.2s,MSS.9	LR	LR		
CLNS	Chul'man 40.56 342	eP	eP	14 24 04.4	+1.4
CLNS		ePPP	ePPP	14 24 12.0	+0.2
CLNS		eS	eS	14 26 01.2	
CLNS		i	i	14 30 10.2	0.0
CLNS		eSSS	eSSS	14 33 40.3	-2.4
CLNS		pmax	pmax		
CLNS	comp=N,32nm,1.0s	pmax	pmax		
CLNS	comp=Z,63nm,1.0s,mb5.2	pmax	pmax		
CLNS	comp=E,14nm,0.9s	pmax	pmax		

CLNS	comp=Z,42nm,1.4s,mb4.9	pmax
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Table with columns for station name, frequency, and various parameters. Includes stations like OKC, Vanda, KSP, BSEGE, JMSQ, DPC, VYHS, SBA, PVCC, BRG, COLM, BDAS, JFWF, CLL, JCT, PRU, ZST, CLZ, NKC, MOX, and KHC.

Table with columns for station name, frequency, and various parameters. Includes stations like KHC, KSP, GERES, WET, SCHU, GRA1, GRA2, GRA3, GRA4, GRA5, GRA6, GRA7, GRA8, GRA9, GRA10, GRA11, GRA12, GRA13, GRA14, GRA15, GRA16, GRA17, GRA18, GRA19, GRA20, GRA21, GRA22, GRA23, GRA24, GRA25, GRA26, GRA27, GRA28, GRA29, GRA30, GRA31, GRA32, GRA33, GRA34, GRA35, GRA36, GRA37, GRA38, GRA39, GRA40, GRA41, GRA42, GRA43, GRA44, GRA45, GRA46, GRA47, GRA48, GRA49, GRA50, GRA51, GRA52, GRA53, GRA54, GRA55, GRA56, GRA57, GRA58, GRA59, GRA60, GRA61, GRA62, GRA63, GRA64, GRA65, GRA66, GRA67, GRA68, GRA69, GRA70, GRA71, GRA72, GRA73, GRA74, GRA75, GRA76, GRA77, GRA78, GRA79, GRA80, GRA81, GRA82, GRA83, GRA84, GRA85, GRA86, GRA87, GRA88, GRA89, GRA90, GRA91, GRA92, GRA93, GRA94, GRA95, GRA96, GRA97, GRA98, GRA99, GRA100.

Table with columns for station name, frequency, and various parameters. Includes stations like ROSC, SDV, NNA, PLCA, KIC, TIC, LIC, EFI, LVC, LPAZ, TRQA, CPUP, BDFB, RCBR, GUMO, CBIJ, MAJO, JOW, PMG, CTA, WRA, FITZ, SONM, CMAR, STKA, LSA, MKAR, ILAR, CHKZ, BVAR, INK, DLBC, YKA, YKA, NVAR, ARCES, JOF, PDAR, FINES, VVND, MATI, KCP, BUKP, FITZ, WRA, STKA, MKAR, BVAR, MARZ, LIRZ, MKRZ, EDJR, EDJR, TAZ, TAZ, TGRZ, TGRZ.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include TGRZ, UTU, UTH, PATZ, etc.

NEIC 20 15:52:28.2-2.7, 17.96S, 178.55W, h591km, 32km, mb4.4/7, Error ellipse: s-maj=21.1km s-min=11.4km az=147.0

ISC 20 15:52:30.4-4.7, 18.02S, 178.50W, h612km, 58km, mb3.7/10, mb1 4.0/10, mb1mx3.8/15, Error ellipse: s-maj=46.3km s-min=23.8km az=156.0

ISC 20 15:52:28.4-0.5, 18.0S, 0.2-178.6W, h1.0, h60km, n40, c=078/36, mb4.3/15, 2C-9D, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include CTA, CTAO, PMG, etc.

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

JMA 20 16:42:57.2-0.2, 29.72N, 138.80E, h516km, M3.7, NEIC 20 16:42:58.7-1.0, 29.67N, 138.31E, h492km, 14km, mb3.9/2, Error ellipse: s-maj=36.2km s-min=12.1km az=72.0

ISC 20 16:42:57.6-0.6, 29.7N, 138.6E, 0.3, h504km, 13km, n27, c=084/29, mb3.6/5, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include JHJ, JHU, CBJI, etc.

ISC 20 17:11:35.7-0.7, 4.23N, 126.70E, mb4.3/13, mb1 4.4/13, mb1mx4.3/18, Error ellipse: s-maj=41.5km s-min=13.8km az=72.0

MOS 20 17:11:38.9-0.9, 4.21N, 126.60E, h33km, mb4.5/10, Error ellipse: s-maj=35.6km s-min=14.7km az=107.5

NEIC 20 17:11:42.5-2.9, 4.19N, 126.62E, h47km, 27km, mb4.8/5, Error ellipse: s-maj=20.2km s-min=8.0km az=71.0

BUI 20 17:11:44.2-4.4, 64N, 126.32E, h47km, mb5.1, mb4.4, ISC 20 17:11:43.1-0.9, 4.16N, 126.06E, 126.5E, 0.1, h70km, 8km, n52, c=090/51, mb4.2/22, 2C-20, Talud Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include GSPH, MATI, BUCP, etc.

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

ISC 20 17:25:57.1-1.6, 3.75S, 134.40E, mb4.0/2, mb1 4.0/5, mb1mx3.8/11, ML3.8/3, Error ellipse: s-maj=59.0km s-min=25.5km az=63.0

ISC 20 17:27:03.6-3.0, 3.93S, 0.09-134.4E, 0.1, h66km, 31km, n9, c=099/11, mb3.8/2, 1C, Irian Jaya region

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

ISC 20 17:27:29.0-2.4, 28.95S, 177.99W, mb3.9/3, mb1 4.1/4, c=099/11, mb3.8/2, 1C, Irian Jaya region

ISC 20 17:27:54.2-1.3, 30.82S, 0.08-177.99W, 0.2, h300km, n23, c=180/30, mb3.5/3, Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include PUZ, WRA, URZ, etc.

TAP 20 18:01:52.7, 24.83N, 121.85E, h68km, ML3.8, Taiwan

ISC 20 18:23:30.4-3.7, 0.96S, 166.55W, mb3.9/4, mb1 4.1/4, mb1mx3.7/20, MS3.6/4, MS1 3.6/4, ms1mx3.2/23, Error ellipse: s-maj=172.0km s-min=73.1km az=103.0, North Ascension Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include BDFB, CPUP, LPAZ, etc.

BUI 20 18:48:35.3, 31.94S, 179.05W, h14km, mb5.4, mb5.4, MS5.0, MSz4.9

HRVD 20 18:48:38.4-0.3, 32.16S, 179.51W, h12km, MW5.2/53, Centroid moment Tensor Solution. LP body waves: s43,c70, Mantle waves: s53,c102, Half duration: 180

ISC 20 18:48:42.3-3.8, 32.39S, 179.62W, h56km, 39km, MS4.6/11, mb1 4.7/13, mb1mx4.6/17, Error ellipse: s-maj=23.9km s-min=16.8km az=171.0

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



Table with columns: Call Sign, Station Name, Frequency, Class, Mode, and other parameters. Includes stations like Matakaoa Point, Puketiti, Waipu Caves, etc.

Table with columns: Call Sign, Station Name, Frequency, Class, Mode, and other parameters. Includes stations like NJ2, NJ2, NJ2, etc.

Table with columns: Call Sign, Station Name, Frequency, Class, Mode, and other parameters. Includes stations like OBN, FINES, FINES, etc.

Table with columns: Code, Station Name, Frequency, Class, Mode, and other parameters. Includes stations like KDAK, KDAK, KDAK, etc.



Table listing station data with columns for code, station name, time, and other parameters. Includes stations like NJ2, KURK, SMRF, etc.

INMG 20:19:33:56.9.1.2, 41.50N x 7.83W, h2km, 6km, ML1.1, Error ellipse: s-maj=4.0km s-min=1.6km az=80.0

MDD 20:19:33:56.0.3, 41.49N x 7.86W, h1km, 4.0, Error ellipse: s-maj=4.2km s-min=1.6km az=87.0, PRRXIMO

ISC 20:19:33:55.0.6, 41.51N x 0.03-7.84W, 0.07, h9km, 5km, n17, #076/20, Portugal

Table listing station data for Portugal region with columns for code, station name, time, and other parameters.

Table listing station data for PBRG region with columns for code, station name, time, and other parameters.

IDC 20:20:03:23.3.1.1, 12.73N-87.17W, mb3.9,7,mb1 4.2/8, m1mx3.9/21, ML4.5/1, MS4.0/16, Ms1 4.0/16, m1mx3.9/22, Error ellipse: s-maj=51.0km s-min=18.4km az=61.0

CASC 20:20:03:24.4.2.2, 12.83N-87.00W, MD4.5, ML4.5, mb4.2/(NEIC) NEIC 20:20:03:25.4.1.5, 12.70N-87.10W, h8km, 10km, mb4.2/5, ML4.7/(NETT), Error ellipse: s-maj=10.7km s-min=5.6km az=221.0

NEIC Fell at Tegucigalpa, Honduras. ISC 20:20:03:24.0.0.6, 12.89N-86.9695W, 0.03, h0km, 4km, m1, #108/104, mb4.0/11, ML4.0/14, RC-7D, Nicaragua

Table listing station data for Nicaragua region with columns for code, station name, time, and other parameters.

Table listing station data for PCPT region with columns for code, station name, time, and other parameters.

CASC 20:20:05:38.2.1.4, 12.75N-87.04W, h3km, 5km, MD3.7, ML3.4

ISC 20:20:05:38.0.0.4, 12.78N-0.08-87.01W, 0.05, h3km, n21, #090/30, 4D, Near coast of Nicaragua

Table listing station data for Nicaragua region with columns for code, station name, time, and other parameters.

RSRP 20:20:06:39.3, 18.11N-68.65W, h147km, 4km, MD4.9/9, MD4.9/9

ISC 20:20:06:39.1.9, 18.3N-0.4-68.6W, 0.2, h155km, 19km, n15, #064/177C-1D, Mona Passage

Table listing station data for Mona Passage region with columns for code, station name, time, and other parameters.

JMA 20:22:58.9.0.2, 24.57N x 122.25E, h65km, M2.5

TAP 20:22:59.1, 24.32N-122.21E, h46km, 1km, ML3.4

ISC 20:22:58.9.2.3, 24.44N-0.2-122.2E, 0.1, h57km, 22km, n7, #039/13, Taiwan region

Table listing station data for Taiwan region with columns for code, station name, time, and other parameters.

NEIC 20:23:23.8, 17.23N-61.30W, h11km, MD3.6(FFF), After FDF

TRN 20:23:24.7, 17.13N-61.46W, h22km, MD3.7



Table of seismic data with columns for station name, time, magnitude, and various parameters. Includes stations like Bhumibol Dam, Chiang Mai Arr, CMAR, etc.

2004 JUL

Table of seismic data for July 2004, including stations like IDI, JOF, FINES, etc. Contains various numerical values and station identifiers.

21d 0h

Table of seismic data for Sweden, with columns for station name, time, magnitude, and phase ID. Includes stations like Kilpisjärvi, Kautokeino, Tromsø, etc.

Table for station WEL 2023:28.5+0.4, 39.55Sx174.57E, h143km, 3km, ML3.5/1. Includes error ellipse and station details.

Table for station IDC 2023:31:55.3+1.2, 19.30Sx176.05W, mb3.8/3, mb1 4.3/4. Includes error ellipse and station details.

Table for station NEIC 21 00:09:15.8±1.3, 10.19Sx161.26E, mb4.1/1. Includes error ellipse and station details.

Table for station ISC 21 00:09:14.8±1.2, 10.55Sx161.3E, mb1.0x1.0, h107km, n10. Includes error ellipse and station details.

Table for station DZM, DZM, CTA, CTA, CTA, WRA, WRA, STKA, STKA, FITZ, VVND, VVND, QSPA, NVAR. Includes station names, times, and magnitudes.

Table for station NIED 21 00:11:00, 40.90N, 143.40E, h29km, Mw5.4. Includes best double couple parameters and station details.

Table for station JMA 21 00:11:27.3, 0.1, 40.86N, 143.39E, h37km, Mw5.5. Includes station details and magnitude.

Table for station ERIMO, ERIMO, UNAKAWA. Includes station names, times, and magnitudes.

Table with columns for flight codes (e.g., JANG, JTH, JTM), destinations (e.g., Nango, Tanohata, Tenmabayashi), times, and status indicators (e.g., P, S, M, L, R).

Table with columns for flight codes (e.g., MDJ, KLU, KLR), destinations (e.g., Kubaokawa, Ku'dur), times, and status indicators (e.g., P, S, M, L, R).

Table with columns for flight codes (e.g., YAK, FX1, HHC), destinations (e.g., Yakutsk, Attu Island, Bodaiho), times, and status indicators (e.g., P, S, M, L, R).

Table with columns for call sign, frequency, mode, and other parameters. Includes stations like QIZ, KMI, WMQ, NVS, SVW, IMA, RSO, MKAR, etc.

Table with columns for call sign, frequency, mode, and other parameters. Includes stations like KSH, INK, EKS2, SNG, AML, PTH, KLP, KKAR, KAKA, NDI, ARU, etc.

Table with columns for call sign, frequency, mode, and other parameters. Includes stations like MOS, COR, SSOR, KAF, PUL, PUL, PUL, etc.

Table of astronomical observations for 2004 July, columns 1-4. Includes stations like KARS, SOC, and various celestial objects like NORSAR Array S, Earthquake Lak, etc.

Table of astronomical observations for 2004 July, columns 5-8. Includes stations like RAC, KAMT, KSP, OKC, and various celestial objects like Raciborz, Kaman, Ksiaz, etc.

Table of astronomical observations for 2004 July, columns 9-12. Includes stations like KHC, WTSB, GEC2, GERES, WET, TUC, MZLS, GRA1, GRF, RAYN, RHK1, HHL, ARSA, RDO, MOA, CSS, VTS, ANMO, SCHO, SCHO, SCHO, MMB, GROS, HGN, HGN, HGN, HGN, NVR, KKB, FUR, FUR, OBKA, KBA, RUP, STU, AFFS, KNT, VAY, LJU, SKO, SKO, BOJ, WATA, LANF, WTTA, PTCC, GIVF, FVI, PLG, MOTA, BAIF, STR, BFO, BFO, SPAK, DALS, WLV, CDF, LIB, FNA, FELD, ECH, KAMS, CTI, NED, KBR, JMGS, BRMO, TBKS, MOF, AYUS, HINF, HAU, HAU, MEZF, JMOS, LKR, HAQS, NED, AGG, LOMF, CPRX, JAN, BDAS, AYUS, GDLZ, VAL, TATS, RSM, KKR, FSSB, ARV, SFI, PGD.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SEI Scarperia, VMO Vicchio, YRG Oropo, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JEM Erimo, JNBK Urakawa-nobuka, JANG Nango, etc.

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

NIED 21 00:32:00.40, 90N, 143.30E, h29km, Mw4.5 Best double couple: M=5.57x10^15 Np1=33°, 867°, 1.104°. NP2=182°, 827°, 1.60°.
JMA 21 00:32:16.4, 40.89N, 143.32E, h43km, mb4.8, mb4.7.
HRVD 21 00:38:22.5, 0.2, 40.98N, 143.28E, h20km, Mw5.3/6.0, Centroid moment tensor solution. LP body waves: s52,c92, Mantle waves: s60,c122; Half duration: 1s1 Moment tensor: Scale 10^17Nm; Mn:0.47±.02; Mw:0.04±.02; M0:0.51±.01; Me0.45±.03; M00:0.13±.01; M01:0.94±.03;

Best double couple: M=1.16x10^17 NP1:delta 178, delta 14, lambda 64...
NP2:delta 25, delta 77, lambda 96. Principal axes: T 1.14, P1g57, Azm303; N 04, P1g6, Azm203; P 1.18, P1g32.
Azm109; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
SYO 21 00:38:22.4, 40.98N; 142.99E, h32km, MB5.1, MS5.4
NEIC 21 00:38:22.5, 0.1, 40.98N; 142.99E, mb5.1/100, MS5.4/12, MW5.3(NIED), Error ellipse: s-maj=4.6km s-min=2.7km az=159.0

NEIC Recorded [2 JMA] in Aomori and Iwate; [1 JMA] in Akita and Miyagi Prefectures. Also recorded [2 JMA] in south-central and southwestern Hokkaido; [1 JMA] in the Obihiro area, Hokkaido.

ISC 21 00:38:20.0-0.7, 40.98N, 0.02-143.06E, 0.03, h25km, 5km, h32km, 1.1km; p-P, n516, s190/534, mb5.1/150, MS5.1/54, 69C-18D, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residuals. Lists seismic stations and their recorded data points.

Main seismic event data table with columns: Station, Time, Residuals, Amplitude, Phase ID. Lists data for stations like KLR, KLU, KLS, etc.

Summary table with columns: Station, Time, Residuals, Amplitude, Phase ID. Lists data for stations like SEY, FX1, FXI, etc.



Table of astronomical observations for 21 days in July 2004, 1 hour per day. Includes station names (e.g., NELSON, KWP, SRU), object names (e.g., WETZELT, MIZEL, TUCSON), coordinates, and observation parameters like SNR and error ellipses.

Table of astronomical observations for 21 days in July 2004, 1 hour per day. Includes station names (e.g., WETZELT, MIZEL, TUCSON), object names (e.g., GRAFENBERG ARR, ARZBERG), coordinates, and observation parameters like SNR and error ellipses.

Table of astronomical observations for 21 days in July 2004, 1 hour per day. Includes station names (e.g., LDF, IDI, SSF), object names (e.g., LA DRUITIERE, ANOYIA), coordinates, and observation parameters like SNR and error ellipses.

Technical notes and data for stations LDF and IDI, including coordinates, error ellipses, and specific observation details for various objects.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res. Rows include JTH Tanohata, JNH Nango, JCH Churui, etc.

NIED 21 01:18:00.40.90N,143.30E,h26km,Mw4.3 Best double couple...

MOS 21 01:18:05.2.0.8, 40.82N,143.26E,h31km,mb4.3/8, Error ellipse: s-maj=21.4km s-min=1.4km az=98.8

JMA 21 01:18:02.40.1.0, 40.88N,143.29E,h23km,M4.7 JMA Felt J1

BUI 21 01:18:03.9, 40.89N,143.27E,h49km,mb4.7,mb4.8, Ms4.4,Ms2.0

NEIC 21 01:18:05.2.0.4, 41.03N,143.05E,mb4.5/13, Mw4.3(NIED), Error ellipse: s-maj=9.8km s-min=6.8km az=130.0

NEIC Recorded [1 JMA] in Aomori and Iwate Prefectures. IDC 21 01:18:05.2.0.8, 40.86N,143.06E,h35km,mb3.7/15, mb1.3/9.16,mb1mx3.8/24,ML3.3/1,MS3.3/1,MS1.3/3,ms1mx3.1/3.3, Error ellipse: s-maj=21.1km s-min=16.6km az=144.0

ISC 21 01:18:03.8.0.6, 40.91N,143.27E,0.06,h40km,4km,h3km,2.7km; comp=Z,1.0m,0.5s,mb4.2/29,MS3.6/1, 8C-2D, Off east coast of Honshu

Main table listing station data for the Honshu region, including code, station name, azimuth, azimuth error, phase ID, time, and residual.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res. Rows include CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

Galapagos Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res. Rows include ROSC El Rosal, LPAZ La Paz, TXAR Lajitas Array, etc.

Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res. Rows include WHZ Wether Hill Ro, MLZ Mavora Lakes, TUZ Tuapeka, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res. Rows include ROSC El Rosal, LPAZ La Paz, TXAR Lajitas Array, etc.

Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res. Rows include WHZ Wether Hill Ro, MLZ Mavora Lakes, TUZ Tuapeka, etc.

Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res. Rows include WHZ Wether Hill Ro, MLZ Mavora Lakes, TUZ Tuapeka, etc.

Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res. Rows include WHZ Wether Hill Ro, MLZ Mavora Lakes, TUZ Tuapeka, etc.





21d 6h

ETOR comp=E,0.3nm,0.2s,SNR=7.9 Lg 05 26 13.1
ETOB comp=E,1.8nm,0.3s,SNR=7.9 Lg 05 26 14.6

MAN 21 05:32:07.5, 18.53N, 120.09E, h9km, mb4.3, ML3.1, MS2.9
IDC 21 05:32:08.0-4.0, 17.99N-120.84E, mb3.7/3, mb1 3.9/3,
mb1mx3.6/17, Error ellipse: s-maj=421.0km s-min=28.3km
az=60.0
ISC 21 05:32:06.5-2.4, 18.5N, 0.2x120.1E, 0.1, h6km, 26km, n12,
o#580/15, mb3.6/3, 2D, Luzon

Code Station Name Az AZZ Phase ID Time Res
ABRA Dolores 1.09 145 Op P 05 26 13.8 -0.5
APYP Conner 1.32 121 eP S 05 32 29.9 -1.3

DJA 21 05:33:58.9, 0.9, 9.83S, 115.40E, h33km, ML4.0/3, 3C-5D,
Error ellipse: s-maj=18.9km s-min=12.5km, az=179.0,
South of Bali

Code Station Name Az AZZ Phase ID Time Res
INGI Ingas 1.03 346f eP S 05 34 16.4 -0.9
INGI 1eSn Pn 05 34 28.1 -2.6
RATI Rata 1.10 7f eP S 05 34 17.0 -1.1

CASC 21 06:11:35.0, 2.0, 13.16N, 89.19W, h56km, 15km, MD3.6,
ML3.6
ISC 21 06:11:34.2, 0.6, 13.11N, 0.09-89.20W, 0.05, h60km, 13km,
n23, o#81/39, 5C-10Z, El Salvador

Code Station Name Az AZZ Phase ID Time Res
LFRS El Faro 0.53 15f eP S 06 11 46.5 -0.2
LFRS eS S 06 11 55.5 -0.2
SNET Serv Nac Est T 0.58 357f eP P 06 11 47.2 0.0

HRVD 21 06:29:48.9, 0.2, 21.17N, 144.57E, h12km, MW5.3/59,
Centroid moment Tensor Solution. LP body waves:
s44, c63, Mantle waves: s59, c118; Half duration: 1s1
Moment tensor: Scale: 1017Nm; Mw=0.60; 03;
Mw=1.06±.02; Mw=0.46±.03; Mw=0.25±.05; Mw=0.57±.02;
Mw=0.47±.07; Best double couple: Mw=1.18x10^17 NP1:
phi=251; lambda=152; NP2: phi=142; lambda=69; lambda=44; Principal
axes: T 1.33, Plg12; Azm201; N-.31, Plg42; Azm301;
P-1.02, Plg45; Azm98; nsta1 refers to body waves,
cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
BUI 21 06:29:48.0, 21.09N, 144.81E, h44km, mb5.1, mb5.0,
Ms5.1, Ms24.8

NEIC 21 06:29:48.9, 0.1, 21.14N, 144.31E, mb5.2/65, MS4.9/100,
MW5.4, Error ellipse: s-maj=4.2km s-min=3.9km az=108.0,
Moment Tensor Solution: s10 Moment tensor: Scale: 1017
Nm; Mw=0.47; Mw=0.49; Mw=0.03; Mw=0.74; Mw=0.28;
Mw=1.00; Best double couple: Mw=1.4x10^17 NP1: phi=267;
delta17; lambda=142; NP2: phi=141; lambda=80; lambda=77; Principal axes: T
1.36, Plg34; Azm219; N.02, Plg13; Azm318; P-1.37,
Plg53; Azm67;
SYO 21 06:29:48.8, 21.14N, 144.31E, h35km, MB5.2, MS4.9
MOS 21 06:29:49.7, 1.1, 21.37N, 144.01E, h33km, mb5.4/20,
MS4.8/17, Error ellipse: s-maj=19.7km s-min=8.3km
az=109.8
IDC 21 06:29:52.3, 2.6, 21.18N, 144.24E, h53km, 23km, mb4.6/25,
mb1 4.7/29, mb1mx4.7/32, ML4.4/4, MS4.7/24, MS1.4/7.24,
ms1mx4.6/30, Error ellipse: s-maj=16.6km s-min=10.3km
az=93.0

Code Station Name Az AZZ Phase ID Time Res
SARN Sarigen 4.63 163 eP Pn 06 30 56.5 -1.5
SAPN Saipan 6.06 167 eP Pn 06 31 17.1 -1.1
CBJI Chichi jima 6.23 342 P P 06 31 20.0 -0.6

2004 JUL

JMN Monobe 15.59 326 P P 06 33 36.2 +8.5
JGF Kuroka 15.64 338 P P 06 33 27.0 -1.4
JOW Kunigami 15.76 294 P P 06 33 36.6 +6.6

Code Station Name Az AZZ Phase ID Time Res
OCLP Ormoc 21.48 245 eP P 06 34 43.2 +6.4
KS15 Wonju Array Si 21.63 322 eP P 06 34 40.0 +1.9
CAUP Cauayan 21.74 263 eP P 06 34 42.9 +2.9

ENPP El Nido 25.91 251 P P 06 35 19.5 -0.3
DL2 Dalian 26.35 317 P P 06 35 24.8 +1.1
DL2 comp=Z,70nm,0.9s,mb5.2 AMB AMB
DL2 comp=N,120nm,5.4s LR LR
DL2 comp=N,119m,13.1s,MS4.5 LR LR

Code Station Name Az AZZ Phase ID Time Res
SARJ Sarigen 4.63 163 eP Pn 06 30 56.5 -1.5
SAPN Saipan 6.06 167 eP Pn 06 31 17.1 -1.1
CBJI Chichi jima 6.23 342 P P 06 31 20.0 -0.6

WHN comp=Z,2um,11.0s,MS5.0 LR LR
PMG Port Moresby 30.51 175 P P 06 36 00.8 -0.6
PMG comp=Z,18nm,0.8s,mb4.9,baz=50,slow=3.9,SNR=3.1 LR LR
Baijiatuu 30.51 314 P LR 06 36 01.7 +0.4

Code Station Name Az AZZ Phase ID Time Res
INGI Ingas 1.03 346f eP S 05 34 16.4 -0.9
INGI 1eSn Pn 05 34 28.1 -2.6
RATI Rata 1.10 7f eP S 05 34 17.0 -1.1

ENPP El Nido 25.91 251 P P 06 35 19.5 -0.3
DL2 Dalian 26.35 317 P P 06 35 24.8 +1.1
DL2 comp=Z,70nm,0.9s,mb5.2 AMB AMB
DL2 comp=N,120nm,5.4s LR LR
DL2 comp=N,119m,13.1s,MS4.5 LR LR

Code Station Name Az AZZ Phase ID Time Res
SARJ Sarigen 4.63 163 eP Pn 06 30 56.5 -1.5
SAPN Saipan 6.06 167 eP Pn 06 31 17.1 -1.1
CBJI Chichi jima 6.23 342 P P 06 31 20.0 -0.6









mb1mx3.9/23.ML4.7/1, MS3.8/17, Ms1 3.8/17, ms1mx3.7/27, Error ellipse: s-maj=33.0km s-min=17.4km az=165.0

NEIC 21 08:53:18.3±6.2, 41.37N±29.28W, h16km, 38km, mb4.7/9, Error ellipse: s-maj=14.2km s-min=7.3km az=180.0

ZUR\_RM 21 08:53:18.41.37N±29.28W, h12km, Mw4.8/6, Moment Tensor Solution...

SVSA 21 08:53:19.2±0.6, 41.23N±29.45W, h15km Error ellipse: s-maj=22.7km s-min=0.7km az=66.0

ISC 21 08:53:14.9±0.3, 41.18N±0.05±29.28W±0.07, h10km, n65, c0579/49, mb4.2/19, MS3.9/15, Azores Islands region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Lists stations like Santa Cruz, Biscuitos, ASBA, Pico dos Padre, etc.

NNC 21 09:09:06.2±9.5, 50.75N±98.60E, Error ellipse: s-maj=39.3km s-min=26.4km az=34.0

BJI 21 09:09:10.1±1.5, 10N±98.11E, h9km, mb4.4, mb4.3, ML4.9, Ms4.4, Ms3.9

MOS 21 09:09:10.2±3.5, 51.00N±98.15E, h18km, mb4.2/5, Error ellipse: s-maj=14.9km s-min=10.7km az=156.8

ISC 21 09:09:11.4±0.1, 51.16N±98.59E, mb3.9/4, mb1.4/0/6, mb1mx3.8/22, ML3.4/2, MS3.5/5, Ms1 3.5/5, ms1mx3.1/24

NEIC 21 09:09:12.6±0.7, 51.08N±98.17E, h10km, mb4.2/4, Error ellipse: s-maj=17.5km s-min=9.8km az=216.0

ISC 21 09:09:11.1±0.4, 51.02N±0.05±98.02E±0.05, h10km, n44, c0579/49, mb4.2/8, MS3.6/6, Azores Islands region

Tuva-Buryatia-Mongolia border region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Lists stations like Orlik, ORL, etc.

MOY Monday 1.98 70 ePN Pn 09 09 44.7 -0.3 09 10 09.6 -0.4

MOY comp=Z,624nm,1.2s smax

ZAK Zakamensk 3.41 99 ePN Pn 09 10 04.8 -0.6 09 10 09.8 -0.6 09 10 53.8 +7.5

ZAK comp=Z,369nm,1.2s smax

ZAK comp=Z,6934nm,1.0s smax

TLY Talaya 3.59 77 ePN Pn 09 10 12.6 +6.6 09 10 58.6 -0.4

TLY comp=Z,92nm,1.0s smax

TLY comp=N,2um,1.5s IRK Irkutsk 4.08 70 iPN Pn 09 10 21.7 -1.1 09 11 13.1 +0.5

IRK comp=N,4um,0.8s smax

TRG Tyrgan 5.45 68 ePN Pn 09 10 29.8 -4.5 09 11 54.5 -0.7

TRG comp=Z,110nm,1.0s smax

TRG comp=N,2um,1.6s smax

KAB Kabansk 5.49 76 ePN Pn 09 10 46.5 -0.3 09 11 57.8 -0.3

KAB comp=Z,121nm,0.8s smax

SOM Songino Array 6.33 117 Pg Pn 09 11 02.0 +0.8 09 11 24.9 -0.9

SOM comp=Z,3.8nm,0.3s,baz=301,slow=17,SNR=51

WMQ Urumqi 10.03 228 ePN Pn 09 11 36.5 -1.8 09 11 42.5 -0.8

WMQ comp=Z,6.0nm,0.8s AMB AMB

WMQ comp=Z,75nm,5.0s AMB AMB

WMQ comp=N,801nm,5.7s AMB AMB

WMQ comp=E,712nm,7.0s AMB AMB

WMQ comp=Z,506nm,14.2s AMB AMB

WMQ comp=Z,3.2nm,0.1s,baz=204,slow=27,SNR=6.9

WMQ comp=Z,2.9nm,0.7s,baz=86,slow=67,SNR=5.8

WMQ comp=Z,2.19nm,1.9s,baz=74,slow=27,SNR=9.8

WMQ comp=Z,0.1nm,0.3s,baz=73,slow=13,SNR=6.2

WMQ comp=Z,0.5nm,0.3s,baz=58,slow=27,SNR=6.9

WMQ comp=Z,3.2nm,2.1s,baz=204,slow=27,SNR=6.9

WMQ comp=Z,11.8 254 iPN Pn 09 11 54.0 +0.1 09 15 06.1 -0.1

WMQ comp=Z,2.19nm,1.9s,baz=74,slow=27,SNR=9.8

WMQ comp=Z,0.1nm,0.3s,baz=73,slow=13,SNR=6.2

WMQ comp=Z,0.5nm,0.3s,baz=58,slow=27,SNR=6.9

WMQ comp=Z,3.2nm,2.1s,baz=204,slow=27,SNR=6.9

WMQ comp=Z,11.8 254 iPN Pn 09 11 54.0 +0.1 09 15 06.1 -0.1

WMQ comp=Z,2.19nm,1.9s,baz=74,slow=27,SNR=9.8

WMQ comp=Z,0.1nm,0.3s,baz=73,slow=13,SNR=6.2

WMQ comp=Z,0.5nm,0.3s,baz=58,slow=27,SNR=6.9

WMQ comp=Z,3.2nm,2.1s,baz=204,slow=27,SNR=6.9

WMQ comp=Z,11.8 254 iPN Pn 09 11 54.0 +0.1 09 15 06.1 -0.1

WMQ comp=Z,2.19nm,1.9s,baz=74,slow=27,SNR=9.8

WMQ comp=Z,0.1nm,0.3s,baz=73,slow=13,SNR=6.2

WMQ comp=Z,0.5nm,0.3s,baz=58,slow=27,SNR=6.9

WMQ comp=Z,3.2nm,2.1s,baz=204,slow=27,SNR=6.9

WMQ comp=Z,11.8 254 iPN Pn 09 11 54.0 +0.1 09 15 06.1 -0.1

WMQ comp=Z,2.19nm,1.9s,baz=74,slow=27,SNR=9.8

SSE comp=Z,42nm,4.9s LR LR

SSE comp=N,66nm,17.9s,MS3.4 LR LR

SSE comp=E,62nm,17.9s,MS3.4 LR LR

SSE comp=Z,117nm,18.0s,MS3.5 P P 09 14 52.3 +3.9

SSE comp=Z,32nm,0.7s,mb5.0 S S 09 19 23.9 +5.1 09 19 39.0 -0.2 09 21 58.7 -0.2

SSE comp=Z,120nm,18.0s,MS3.5 LR LR

CMAR Chiang Mai Arr 32.50 178 LR LR 09 29 13.8

GNI Gani 38.05 275 LR LR 09 34 02.7

FINES FINESS Array B 39.28 314 LR LR 09 34 33.1

SOC Sochi 39.30 283 ePN Pn 09 16 45.6 +4.0 09 18 15.6 -0.8 09 18 40.4 +0.8 09 22 45.3 +3.1 09 25 23.5 -4.2 09 26 09.0 +6.7

SOC comp=Z,22nm,0.7s,mb5.0 pmax pmax

SOC comp=N,23nm,0.5s pmax pmax

SOC comp=E,33nm,0.7s pmax pmax

SOC comp=Z,121nm,20.0s,MS3.7 MLR MLR

SOC comp=N,146nm,25.0s,MS3.8 MLR MLR

SOC comp=E,92nm,25.0s,MS3.8 MLR MLR

HFS Hagfors 45.37 316 P P 09 17 31.2 +0.4 09 17 31.2 +0.4

HFS comp=E,1.1nm,0.5s,mb3.9,baz=100,slow=8.8,SNR=4.4

HFS Hagfors 45.37 316 P P 09 17 31.2 +0.4 09 11 42.5 -0.8

NOA NORARS Array B 46.02 318 P P 09 17 35.2 -0.6 09 17 35.2 -0.7

NOA comp=Z,2.0nm,0.9s,mb4.1,baz=62,slow=7.8,SNR=4.8

NOA NORARS Array B 46.02 318 P P 09 17 35.2 -0.6 09 18 37.1 -0.8

NOA comp=Z,2.0nm,0.9s,mb4.1,baz=62,slow=7.8,SNR=4.8

ILAR Eielson Array 54.15 29 P P 09 18 37.2 -0.8 09 18 37.2 -0.8

ILAR comp=Z,0.8nm,1.0s,mb3.6,baz=321,slow=6.3,SNR=6.3

WRA Warrungarra Arr 77.53 145 P P 09 21 07.8 -0.9 09 21 07.8 -0.8

WRA comp=Z,1.3nm,0.9s,mb3.9,baz=342,slow=6.6,SNR=4.8

WRA Warrungarra Arr 77.53 145 P P 09 21 07.8 -0.8 09 17 15.2 -0.8

WRA comp=Z,1.0nm,0.9s pmax pmax

HEL 21 09:13:16.9±0.0, 59.28N±27.08E, ML1.6, ML2.1(NAO), Explosion

NAO 21 09:13:17.1±1.5, 59.32N±26.96E, ML2.1

BER 21 09:13:20.0±2.1, 59.39N±27.08E, ML2.1(NAO), Suspected explosion

ISC 21 09:13:15.4±0.7, 59.28N±0.03±26.8E±0.1, n8, c1502/14, Baltic States - Belarus - Northwestern Russia

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Lists stations like VSU, VJF, VJF, etc.

ISK 21 09:14:08.5±9.3, 65N±33.95E, h5km, MD4.4

MOS 21 09:14:08.6±1.8, 39.58N±33.90E, h10km, mb4.1/6, Error ellipse: s-maj=21.5km s-min=10.9km az=100.0

ISC 21 09:14:08.9±1.1, 39.73N±33.97E, mb4.0/7, mb1.4/1/3, mb1mx3.9/24, ML4.0/5, MS3.5/6, Ms1 3.5/6, ms1mx3.2/22

NEIC 21 09:14:10.0±1.5, 39.65N±33.92E, h8km±10km, mb4.1/12, Error ellipse: s-maj=9.2km s-min=7.3km az=53.0

NEIC Fell at Akpinar and Keskin

ISC 21 09:14:08.9±0.5, 39.64N±0.02±33.92E±0.02, h9km±3km, n95, c1811/107, mb4.1/14, MS3.8/3, Azores Islands region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Lists stations like BRTR, BRTR, KAMT, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like MYA, MALT, BADI, DST, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like PRU, NEIC, WAR, KSP, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like CLL, MORC, OKC, etc.

CASC 21 09:48:12.7-2.1, 12.74N-88.44W, h30km, 199km, MD3.6
ISC 21 09:48:12.4-0.6, 12.71N-0.05-88.44W-0.04, h33km, n23,
e078/43, 5C-4D, Off coast of Central America

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like ROM, LJU, LDG, NEIC, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like CAE, CEY, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like CGRP, GROSS, CESS, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like MOA, ARSA, WTTA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like NEIC, GUC, ILCH, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like GUC, ILCH, CMCH, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KIV Kislovodsk, AB31 Akbulak array, BRVK Borovoye, etc.

IDC 21 10:38:59.0-7.55.32S:28.19W, mb4.3/9, mb1 4.4/9, mb1mx4.3/15, MS3.9/10, Ms1 3.9/10, ms1mx3.8/14, Error ellipse: s-maj=27.3km s-min=17.9km az=30.0

NEIC 21 10:39:00.4-7.7.55.26S:28.20W, h5km, 48km, mb4.5/3, Error ellipse: s-maj=17.4km s-min=12.5km az=223.0

ISC 21 10:39:01.8-8.55.3S:0.1x28.2W, h2.0, h19km, 65km, n27, s1508/15, mb4.3/10, MS3.9/11, 2D, South Sandwich Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VNA1 Neumayer-Stat, VNA2 Neumayer-Watz, Ushuaia, etc.

MDD 21 10:41:11.7-1.9.36.60N:9.69W, mbLq2.3/11, Error ellipse: s-maj=17.6km s-min=12.8km az=88.0, PRXIMO

INMG 21 10:41:12.6-0.8.36.54N:9.78W, h12km, 24km, ML2.2, Error ellipse: s-maj=23.2km s-min=3.9km az=54.0

ISC 21 10:41:11.5-1.6.36.65N:0.06-9.7W, 0.1, h12km, n21, s1502/11, West of Gibraltar

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PTEO Sao Teotonio, PALC Alcouthim, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EGRO, PBEJ Beja, MOC Montemor, etc.

HLW 21 10:44:18.2, 24.07N, 36.52E, h26km, Mb3.3 SWSN 21 10:44:19.3, 24.25N, 36.83E, M12.1

ISC 21 10:44:16.1-0.9.24.12N:0.08-36.56E, 0.05, h26km, n8, s090/11, Red Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like UMJS Umm Lajj, UMJS YNBs, etc.

JMA 21 11:20:24.1-0.3.43.72N:147.77E, h20km, M3.5, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NEM2 Nemuro 2, NEM2 JRA, etc.

TAP 21 11:23:54.3, 23.81N, 121.76E, h39km, ML3.0 JMA 21 11:23:55.0, 23.24.00N:121.81E, h81km, M2.3

ISC 21 11:23:55.2, 2.5.24.0N:0.4x121.8E, 0.1, h79km, 41km, n6, s042/11, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YOJ Yonaguni jima, IRIF Iriomote-Funau, etc.

BJI 21 11:25:42.0, 78.67N:7.90E, h5km, mB5.2, mb5.1, Ms4.7, M24.5

MOS 21 11:25:42.7, 0.9.78.48N:7.14E, h10km, mb5.0/23, Error ellipse: s-maj=48.8km s-min=5.8km az=93.4

IDC 21 11:25:43.1-0.5.78.53N:7.25E, mb4.2/20, mb1 4.5/25, ms1mx4.5/29, ML4.1/5, MS4.1/25, Ms1 4.1/25, ms1mx4.0/30, Error ellipse: s-maj=12.9km s-min=8.6km az=34.0

CSEM 21 11:25:44.5, 78.42N:6.67E, h25km, mb4.9 ZUR\_RM 21 11:25:44.7, 47.47N:7.01E, h6km, Mw4.8/8, Moment Tensor Solution, s8 Moment tensor: Scale 10^16Nm;

Mn: 1.66; Mw: 0.66; Ms2: 32; Mw0.5: 0.57; Mw: 0.38; Best double couple: M2.14x10^16 Np1: 0.351; 0.53; 7.117; NP2: 0.211; 0.44; 1.59; Principal axes: T2, 444; P1: 44; Azm100; N: -607; P1: 21; Azm87; P: -1.837; P1: 69; Azm201;

NEIC 21 11:25:44.6-0.2.78.47N:7.01E, h10km, mb4.8/58, MS4.2/4 Error ellipse: s-maj=4.7km s-min=2.8km az=66.0

BER 21 11:25:45.4-3.1.78.48N:7.63E, h10km, MD3.4, ML3.6, ML3.8(NAO)

NAO 21 11:25:46.0-2.9.78.28N:8.82E, ML3.8 ISC 21 11:25:42.6-0.2.78.48N:0.02-7.2E, 0.1, h10km, (h25km, 7km; p: P), n285, s1906/293, mb4.7/91, MS4.1/39, 7C-4D, Svalbard region

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JNW Jan Mayen East, JNE Jan Mayen, JMJC Jan Mayen, etc.

ARU	comp=E,400nm,16.0s,MS4.2	27.84 112	eP	P	11 31 33.5 -0.1
KSP	comp=E,38nm,1.4s,mb4.8	27.95 168	eP	MLR	11 31 34.7 +0.1
KSP	comp=E,400nm,23.4s,MS3.9		eP	MLR	11 31 35.4 +0.4
KSP	Ksiaz	27.95 168	eP	P	11 31 34.6 0.0
MOX	Moxa	27.99 174	iP	P	11 31 35.4 +0.4
MOX	comp=E,logA/T=1.4,mb4.8		L		11 42 45.0
MOX	Moxa	27.99 174	eP	P	11 31 35.4 +0.4
MOX	comp=Z,35nm,1.3s,mb4.8		e	pmx	
MOX	comp=Z,200nm,17.0s,MS3.9		e	MLR	
MOX	Moxa	27.99 174	eP	P	11 31 35.4 +0.4
MOX	comp=Z,35nm,1.3s,mb4.8		e	pmx	
PVCC	Panska Ves	28.19 170	eP	P	11 31 36.9 +0.1
PVCC	comp=Z,0.3nm,17.3s		e	P	11 42 10.0
NKC	Novy Kostel	28.42 173	eP	P	11 31 39.0 +0.1
NKC	comp=Z,0.3nm,15.8s		e	L	11 42 20.0
DPD	Dobruska-Polom	28.44 168	eP	P	11 31 39.1 +0.1
DPD	comp=Z,0.3nm,16.9s		e	S	11 36 34.3 +1.0
DPD	comp=Z,0.3nm,16.9s		e	S	11 42 20.0
GIVF	Givet	28.50 183	eP	P	11 31 39.1 -0.5
BAIF	Baivars	28.55 184	eP	P	11 31 39.9 +0.1
PRU	Pruhonice	28.70 170	eS	S	11 42 40.0 +0.4
PRU	comp=Z,35nm,1.3s,mb4.8		e	S	11 36 45.0 +1.6
PRU	comp=Z,2.0nm,0.7s		e	MLR	11 42 20.0
OJC	Ojcow	28.75 163	eP	P	11 31 42.2 +0.4
GRA1	Grafenberg Arr	28.94 175	eP	P	11 31 43.8 +0.3
GRF	Grafenberg Arr	28.94 175	eP	P	11 31 43.8 +0.3
GRF	comp=Z,21nm,0.9s,mb4.9		e	pmx	
GRF	comp=Z,100nm,20.1s,MS3.4		e	MLR	
AKASG	Malin Array Be	29.01 151	P	P	11 31 41.8 -2.4
AKASG	comp=Z,1.8nm,0.7s,mb4.9,baz=341,slow=9.0,SNR=23		e	LR	11 43 12.1
AKASG	comp=Z,331nm,20.0s,MS4.0,baz=340,slow=36		e	LR	
AKASG	Malin Array Be	29.01 151	P	P	11 31 41.8 -2.4
AKASG	comp=Z,2.0nm,0.7s		e	MLR	
AKASG	comp=Z,331nm,20.0s		e	MLR	
OKC	Ostrava-Krasne	29.04 165	eP	P	11 31 44.4 0.0
OKC	comp=Z,0.3nm,18.9s		e	L	11 42 40.0
MORC	Moravsky Berou	29.07 166	eP	P	11 31 45.1 +0.4
MORC	comp=Z,30nm,1.3s,mb4.9		e	P	11 31 56.6
VRAC	Vranov	29.49 167	P	P	11 31 49.5 +0.9
VRAC	comp=Z,11nm,0.5s,mb4.8,baz=6.4,slow=10,SNR=23		e	P	11 31 49.5 +0.9
KWP	Kalwaria	29.52 159	eP	P	11 31 49.2 +0.4
KWP	comp=Z,2.1nm,0.8s,mb4.9		e	MLR	11 42 59.6
KWP	comp=Z,200nm,18.3s,MS3.8		e	MLR	
WET	Wetzell	29.52 172	eP	P	11 31 49.2 +0.4
WET	comp=Z,13nm,1.4s,mb4.5		e	pmx	
WET	Wetzell	29.52 172	eP	P	11 31 49.2 +0.4
KHC	Kasperske Hory	29.56 171	eP	P	11 31 49.7 +0.6
KHC	comp=Z,13nm,1.4s,mb4.5		e	S	11 36 48.0 +5.4
KHC	comp=Z,0.3nm,17.7s		e	S	11 42 50.0
STU	Stuttgart	29.83 177	eP	P	11 31 51.8 +0.2
STU	comp=Z,24nm,0.8s,mb5.0		e	P	11 31 51.8 +0.2
GECC	GERESS Array S	29.85 171	eP	P	11 31 52.2 +0.5
GECC	comp=Z,15nm,1.2s,mb4.6		e	pmx	
GECC	GERESS Array S	29.85 171	eP	P	11 31 52.2 +0.5
GERES	GERESS Array B	29.85 171	P	P	11 31 52.7 +1.0
GERES	comp=Z,4.2nm,0.8s,mb4.2,baz=9.5,slow=8.1,SNR=16		e	P	11 31 52.7 +1.0
GERES	GERESS Array B	29.85 171	P	P	11 31 52.7 +1.0
GERES	comp=Z,4.2nm,0.8s		e	pmx	
FLN	La Foliniere	29.97 190	eP	P	11 31 51.6 -1.2
FLN	comp=Z,142nm,22.0s		e	LR	
MEZF	Maizeres J'vi	30.10 183	eP	P	11 31 53.9 -0.1
LEF	La Druitiere	30.12 190	eP	P	11 31 52.6 -1.6
CRVS	Cervencia-Dubn	30.16 161	eP	P	11 31 54.5 0.0
CRVS	comp=Z,1.5nm,1.2s,mb4.6		e	P	11 31 59.5
CRVS	comp=Z,1.5nm,1.2s,mb4.6		e	P	11 32 04.6
WLS	Weischbruch	30.18 180	eP	P	11 31 57.7 +3.0
CDP	Champ du Feu	30.18 180	eP	P	11 31 54.5 -0.2
BFO	Black Forest	30.27 178	eP	P	11 31 55.5 +0.1
BFO	comp=Z,14nm,1.1s,mb4.6		e	pmx	
BFO	Black Forest	30.27 178	eP	P	11 31 55.5 +0.1
SFO	Smolenice	30.32 166	eP	P	11 31 57.1 +1.2
GRR	Gorron	30.36 191	eP	P	11 31 54.5 -1.7
THEF	They Montfort	30.37 182	eP	P	11 31 56.1 -0.2
ECH	Echery	30.38 180	eP	P	11 31 56.2 -0.2
VYHS	Vyhne	30.41 165	iP	P	11 31 57.1 +0.4
VYHS	comp=Z,34nm,1.1s,mb4.9		e	pP	11 32 01.8 +2.2
VYHS	comp=Z,34nm,1.1s,mb4.9		e	pP	11 32 06.0
VYHS	comp=Z,34nm,1.1s,mb4.9		e	pP	11 33 17.8 +2.2
VYHS	Vyhne	30.41 165	iP	P	11 31 57.1 +0.4
VYHS	comp=Z,34nm,1.1s,mb4.9		e	pP	11 32 01.8 +2.2
VYHS	comp=Z,34nm,1.1s,mb4.9		e	pP	11 33 17.8
FUR	Furstenfeldbru	30.47 175	eP	P	11 31 58.3 +1.1
FUR	comp=Z,30nm,0.4s,mb5.4		e	pmx	
SPAK	Spaichingen	30.50 178	eP	P	11 32 02.9 +5.4
ROSP	Rostrene	30.51 194	eP	P	11 31 56.3 -1.3
ROSP	comp=Z,27nm,1.0s,mb4.8		e	P	11 32 04.9
KECS	Kecovo	30.52 162	eP	P	11 31 57.6 0.0
KECS	comp=Z,2.2nm,0.7s,mb4.1,baz=395,slow=18,SNR=6.3		e	P	11 32 08.8
SGMF	Saint Gilles	30.56 193	eP	P	11 31 56.9 -1.1
HAU	Haudompre	30.59 181	eP	P	11 31 58.1 -0.2
HAU	comp=Z,31nm,0.9s,mb4.8		e	LR	
ZST	Bratislava	30.62 167	eP	P	11 31 59.1 +0.5
ZST	comp=Z,2.2nm,0.7s,mb4.1,baz=395,slow=18,SNR=6.3		e	P	11 33 23.9
ZST	Bratislava	30.62 167	eP	P	11 34 46.5 -1.1
ZST	comp=Z,2.2nm,0.7s,mb4.1,baz=395,slow=18,SNR=6.3		e	PcP	11 36 57.7 -1.8
ZST	Bratislava	30.62 167	eP	P	11 42 22.9
ZST	comp=Z,2.2nm,0.7s,mb4.1,baz=395,slow=18,SNR=6.3		e	S	11 31 59.1 +0.5
ZST	Bratislava	30.62 167	eP	P	11 36 57.7 -1.8
MOF	Molkenrain	30.74 180	eP	P	11 31 56.3 -3.3
HINF	Hinteralfand	30.78 180	eP	P	11 31 59.8 -0.1
QUIF	Quintin	31.02 194	eP	P	11 31 59.7 -1.5
PSZ	Piszkesteto	31.05 163	eP	P	11 32 03.2 +0.9
PSZ	comp=Z,47nm,1.3s,mb4.9		e	P	11 33 17.8
LOR	Lormes	31.35 184	eP	P	11 32 04.1 -0.9
LOR	comp=Z,22nm,0.8s,mb4.8		e	LR	
SSF	Saint Saulge	31.56 185	eP	P	11 32 06.1 -0.8
SSF	comp=Z,28nm,1.0s,mb4.8		e	P	11 32 06.1 -0.8
INK	Inuvik	31.62 333	eP	P	11 32 06.0 -1.2
INK	comp=Z,8.8nm,1.1s,mb4.5		e	P	11 32 04.9
DAVOK	Davos	31.83 176	P	P	11 32 09.5 +0.3
SMF	Signal de Mont	31.97 184	eP	P	11 32 09.6 -0.9
CABF	La Chapelle	31.99 181	eP	P	11 32 10.2 -0.4
CABF	comp=Z,34nm,1.1s,mb4.9		e	P	11 31 59.1 +0.5
BGF	Bois d'Angland	32.08 186	eP	P	11 32 10.8 -0.6
BGF	comp=Z,121nm,1.1s,mb5.4		e	P	11 32 10.8 -0.6
MFF	Saint Martin d	32.21 190	eP	P	11 32 10.8 -0.9
GROS	Grobink	32.29 169	eP	P	11 32 13.4 +0.2
TCF	Toux St Croi	32.36 186	eP	P	11 32 13.1 -0.7
TCF	comp=Z,82nm,1.1s,mb5.2		e	P	11 32 15.9 +0.2
AGO	Saint Agoulin	32.58 185	eP	P	11 32 16.6 +0.2
PLDF	La Plantade	32.65 185	eP	P	11 32 17.0 +0.5
LJU	Ljubljana	32.67 171	eP	P	11 32 17.0 +0.5
CHKZ	Chkalovo	32.77 101	eP	P	11 32 17.3 0.0
CHKZ	comp=Z,23nm,1.1s,mb5.0		e	pmx	
CHKZ	Chkalovo	32.77 101	eP	P	11 32 17.2 -0.1
CHKZ	comp=Z,19nm,1.2s,mb4.9		e	pP	11 32 24.5 +4.2
LEGS	Legarie	32.80 170	eP	P	11 32 17.8 +0.1
PYM	Petit Puy Mans	32.88 185	eP	P	11 32 17.7 -0.7

LPL	La Plagne	33.08 181	eP	P	11 32 20.7 +0.6
LPG	La Plagne	33.10 181	eP	P	11 32 20.9 +0.6
BOJS	Bojanci	33.24 170	eP	P	11 32 21.3 -0.2
BRVK	Borovoye	33.29 101	eP	P	11 32 22.0 +0.2
BRVK	comp=Z,1.0nm,1.0s,mb3.7		e	pP	11 32 28.6 +3.9
BVAO	Borovoye Array	33.34 101	eP	P	11 32 22.7 +0.4
BVAO	comp=Z,1.0nm,1.0s,mb3.7		e	pmx	
BVAO	Borovoye Array	33.34 101	eP	P	11 32 22.3 0.0
BVAO	comp=Z,3.7nm,0.7s,mb4.4,baz=338,slow=8.0,SNR=18		e	LR	11 48 04.0
BVAR	comp=Z,1.1nm,19.9s,MS4.6,slow=40		e	LR	
RJF	Les Rejaudoux	33.36 187	eP	P	11 32 21.9 -0.7
RJF	comp=Z,77nm,1.2s,mb5.2		e	LR	
ORIF	Oris-en-Rattie	33.68 182	eP	P	11 32 25.2 -0.1
ORIF	comp=Z,17nm,1.0s,mb4.6		e	LR	
ORIF	comp=Z,191nm,17.0s		e	LR	
CAF	Calvac	33.73 187	eP	P	11 32 25.2 -0.5
VOSK	Vostochnaya	33.74 101	P	P	11 32 25.8 0.0
VOSK	comp=Z,27nm,1.1s,mb5.1		e	pmx	
LFF	La Frestale	33.75 188	eP	P	11 32 25.5 -0.4
LFF	comp=Z,17nm,1.0s,mb4.6		e	P	11 32 25.5 -0.4
VYVF	Saint-Julien-I	33.75 183	eP	P	11 32 25.6 -0.4
VYVF	Schneffelle	33.80 271	eP	LR	11 46 24.4
VYVF	comp=Z,455nm,19.4s,MS4.2,baz=222,slow=37		e	LR	
MBDF	Montbardon	33.87 181	eP	P	11 32 27.4 +0.4
MBDF	comp=Z,17nm,1.0s,mb4.6		e	P	11 32 27.4 +0.4
MLR	Muntele Rosu	33.88 156	P	P	11 32 28.3 +1.2
MLR	comp=Z,2.2nm,0.8s,mb4.6,baz=170,slow=8.8,SNR=12		e	P	11 32 28.3 +1.2
MLR	Muntele Rosu	33.88 156	P	P	11 32 28.3 +1.2
MLR	comp=Z,6.0nm,0.8s		e	pmx	
NVS	Novosibirsk	34.20 87	eP	pmx	11 32 27.6 -2.1
NVS	comp=N,42nm,1.5s		e	pmx	
NVS	comp=E,8.0nm,1.5s		e	pmx	
NVS	comp=Z,68nm,1.5s,mb5.4		e	pmx	
LASF	Ste Croix	34.54 184	eP	P	11 32 33.4 +0.6
LASF	comp=Z,105nm,1.4s,mb5.3		e	P	11 32 33.4 +0.6
SMRF	Simiane la Rot	34.62 182	eP	P	11 32 33.4 -0.1
VMG	Vicchio	34.67 174	eP	P	11 32 35.5 +1.6
VMG	comp=Z,2.2nm,0.8s,mb4.6,baz=170,slow=8.8,SNR=12		e	P	11 32 35.5 +1.6
SBF	Sospel	34.73 180	eP	P	11 32 34.5 +0.1
SFI	Santa Sofia	34.74 174	eP	P	11 32 36.0 +1.5
PGD	Poggio Sodo	34.77 174	eP	P	11 32 36.5 +1.9
AB31	Akbulak array	34.94 114	iP	P	11 32 36.2 +0.1
AB31	comp=Z,9.0nm,0.8s,mb4.8		e	pmx	
FRF	La Foret Royal	35.03 181	eP	P	11 32 36.7 -0.3
YKA	Yellowknife Ar	35.07 317	eP	P	11 32 36.0 -1.1
YKA	comp=Z,3.3nm,1.1s,mb4.2,baz=21,slow=9.0,SNR=4.7		e	LR	11 46 51.6
YKA	comp=Z,474nm,18.9s,MS4.3,baz=15,slow=36		e	LR	
YKA	Yellowknife Ar	35.07 317	eP	P	11 32 36.0 -1.2
YKA	comp=Z,3.0nm,1.1s		e	pmx	
YKA	comp=Z,3.0nm,1.1s		e	MLR	
CSNT	Castellina Chi	35.16 175	eP	P	11 32 38.8 +0.7
ARV	Arcevia	35.17 173	eP	P	11 32 39.1 +1.0
ARV	La Moure	35.25 181	eP	P	11 32 37.6 -1.3
MTLF	Montleu	35.31 186	eP	P	11 32 40.4 -0.9
EALK	Alkurruntz	35.54 191	P	P	11 32 41.4 0.0
YAK	Yakutsk	35.62 431	eP	pmx	11 32 46.9 +5.1
YAK	comp=Z,34nm,1.2s,mb5.2		e	pmx	
YAK	comp=Z,100nm,17.0s,MS3.6		e	MLR	
SJPF	Ste Jean	35.64 191	eP	P	11 32 41.4 -0.7
SJPF	comp=Z,22nm,1.1s,mb4.4		e	P	11 32 41.4 -0.7
EPF	Esparrros	35.67 189	eP	P	11 32 41.9 -0.5

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Albuquerque, Nelson, Cap Rock, Guadalupe Moun, Junction City, Tucson, Sheshan, etc.

NEIC 21 11:38:07.5, 32.93S:72.16W, h10km, ML3.6(GUC), After GUC.

GUC 21 11:38:07.5-0.8, 32.93S:72.16W, h10km, 3km, MD3.6, ML3.6, 8C-5D, Off coast of central Chile

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Instituto Hidir, Las Cruces, El Roble, Longovio, Petorca, etc.

DJA 21 11:41:21.6:1.0, 9.26S:112.76E, h160km, MD4.9/3, ML4.1/3, 6D, Error ellipse: s-maj=42.7km s-min=24.5km

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Kelakatan, Rata, Rati, Kedi, etc.

IGQ 21 12:10:08.6, 2.63S:77.04W, h7km, 5km, mb4.0, 2C-5D, Error ellipse: s-maj=7.5km s-min=2.6km az=109.4, Peru-Ecuador border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Patacocha, Ulba, Arrayan, Refugio, Cusua, Juive, etc.

SKHL 21 12:16:28.5:0.8, 53.94N:140.17E, h10km, mb3.5/2, Primorye

STR 21 12:20:19.0:0.1, 44.42N:6.63E, h10km, 1km, M12.6, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

NEIC 21 12:20:19.0, 44.42N:6.63E, h10km, ML3.0(GEN), ML2.8(LDG), ML2.6(STR), After STR.

LDG 21 12:20:19.2:0.1, 44.41N:6.62E, h2km, Md2.4/3, M12.8/8, Error ellipse: s-maj=1.4km s-min=0.9km az=53.0

ISC 21 12:20:18.0:0.3, 44.40N:0.01:6.57E:0.02, h12km, 2km, n50, 0.875/82, France

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Saint Ours, Montbardon, Cesana Torines, Sta Anna Valdi, Anna di Valdie, etc.

ISC 21 12:39:29.0:0.9, 50.95N:98.09E, mb3.8/6, mb1.4/0.8, mb1mx3.8/21, ML3.4/2, MS3.8/12, Ms1.3.8/12, ms1mx3.7/23, Error ellipse: s-maj=21.3km s-min=13.1km az=0.0

MOS 21 12:39:28.4:1.9, 50.96N:98.11E, h15km, mb4.1/6, Error ellipse: s-maj=12.4km s-min=9.9km az=163.4

BJJ 21 12:39:29.0, 51.09N:98.23E, h8km, mb4.1, Ms4.1, Msz4.1

NNC 21 12:39:30.1:2.2, 50.95N:97.84E, Error ellipse: s-maj=31.7km s-min=16.7km az=123.0

NEIC 21 12:39:30.8:0.5, 51.17N:97.97E, h10km, 4.0/6, MS3.7/1, Error ellipse: s-maj=12.8km s-min=7.8km az=206.0

ISC 21 12:39:29.6:1.6, 51.11N:0.05:98.03E:0.05, h15km, 11km, n66, 0.1929/65, mb4.0/10, MS3.8/14, 5C-2D, Tuva-Buryatia-Mongolia border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Orlik, Mondy, Arshan, Simiane la Rot, La Foret Royal, etc.

TAP 21 12:26:36.2, 24.00N:122.39E, h5km, 1km, ML2.9

JMA 21 12:26:36.2, 0.3, 24.18N:122.24E, h36km, M2.6

ISC 21 12:26:37.0:2.4, 24.2N:0.2:122.3E:0.1, h36km, 55km, n6, 0.48/12, Taiwan region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Yonaguni jima, Iriomote-Funau, Hateruma jima, etc.

HEL 21 12:39:12.3:0.2, 56.53N:26.31E, ML2.1, Explosion NAO 21 12:39:16.9:4.2, 56.82N:25.64E, ML2.3 BER 21 12:39:26.4:4.0, 65.55N:22.15E, ML2.3(NAO), Suspected explosion

ISC 21 12:39:14.0:1.9, 56.82N:0.10:25.5E:0.2, n9, 0.694/18, Baltic States - Belarus - Northwest Russia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Pernaia, Virojoki, FINESS Array S, etc.

ISC 21 12:39:27.9:0.9, 50.95N:98.09E, mb3.8/6, mb1.4/0.8, mb1mx3.8/21, ML3.4/2, MS3.8/12, Ms1.3.8/12, ms1mx3.7/23, Error ellipse: s-maj=21.3km s-min=13.1km az=0.0

MOS 21 12:39:28.4:1.9, 50.96N:98.11E, h15km, mb4.1/6, Error ellipse: s-maj=12.4km s-min=9.9km az=163.4

BJJ 21 12:39:29.0, 51.09N:98.23E, h8km, mb4.1, Ms4.1, Msz4.1

NNC 21 12:39:30.1:2.2, 50.95N:97.84E, Error ellipse: s-maj=31.7km s-min=16.7km az=123.0

NEIC 21 12:39:30.8:0.5, 51.17N:97.97E, h10km, 4.0/6, MS3.7/1, Error ellipse: s-maj=12.8km s-min=7.8km az=206.0

ISC 21 12:39:29.6:1.6, 51.11N:0.05:98.03E:0.05, h15km, 11km, n66, 0.1929/65, mb4.0/10, MS3.8/14, 5C-2D, Tuva-Buryatia-Mongolia border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Orlik, Mondy, Arshan, Zakamensk, Talaya, etc.

ISC 21 12:39:29.6:1.6, 51.11N:0.05:98.03E:0.05, h15km, 11km, n66, 0.1929/65, mb4.0/10, MS3.8/14, 5C-2D, Tuva-Buryatia-Mongolia border region

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

ISC 21 12:39:29.6:1.6, 51.11N:0.05:98.03E:0.05, h15km, 11km, n66, 0.1929/65, mb4.0/10, MS3.8/14, 5C-2D, Tuva-Buryatia-Mongolia border region

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

ISC 21 12:39:29.6:1.6, 51.11N:0.05:98.03E:0.05, h15km, 11km, n66, 0.1929/65, mb4.0/10, MS3.8/14, 5C-2D, Tuva-Buryatia-Mongolia border region

ISC 21 12:39:29.6:1.6, 51.11N:0.05:98.03E:0.05, h15km, 11km, n66, 0.1929/65, mb4.0/10, MS3.8/14, 5C-2D, Tuva-Buryatia-Mongolia border region



Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like CHKZ Chkalovo, BVAO Borovoye Array, BVAR Borovoye Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like GUIM Jordan, CUYO Cuyo Island, IDC 21 12:50:44.2, NEIC 21 12:50:52.7, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like TEIG, JTS JuntasAbangare, TXAR Lajitas Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like BER 21 13:09:32.6, NAO 21 13:09:29.3, HFS Hagfors, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like DJA 21 13:13:01.2, KELI Kelakatan, INGI Ingas, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like IDC 21 13:16:04.5, NEIC 21 13:16:07.0, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MOS 21 13:19:50.0, ORL Oriik, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like ORL Oriik, MOY Mondy, ARS Arshan, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MAN 21 12:47:19.7, DCPH Dipolog City, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like RTR El Retiro, SBL San Blas, SCIG Sciague, etc.



Table with columns for Code, Station Name, Az, Az', Phase, ID, Op, ISC, h, m, s, Time, Res, ISC. Rows include stations like NOA NORSTAR Array B, NOA NORSTAR Array A, NOA NORSTAR Array B, etc.

Table with columns for Code, Station Name, Az, Az', Phase, ID, Op, ISC, h, m, s, Time, Res, ISC. Rows include stations like SCZP Santa Cruz, BOLD Bolinao, BCPH Baguio City Da, etc.

NEIC 21 13:49:32.1, 37.25S-179.27E, h8km, ML4.4(WEL), After WEL. WEL 21 13:49:33.8, 0.2, 37.17S x 179.06E, h12km, ML4.2/7.3C, Error ellipse: s-maj=2.6km s-min=2.3km az=90.0, Off east coast of North Island

Table with columns for Code, Station Name, Az, Az', Phase, ID, Op, ISC, h, m, s, Time, Res, ISC. Rows include stations like MXZ Matakaoa Point, MXZ Matakaoa Point, PUKUKUKU Puketiti, etc.

Table with columns for Code, Station Name, Az, Az', Phase, ID, Op, ISC, h, m, s, Time, Res, ISC. Rows include stations like MOVZ Moawhango, WNWZ Whakapapa, WNWZ Whakapapa, etc.

BUJ 21 14:42:29.5, 5.151N-97.95E, h8km, mB4.3, mB4.1, Ms4.1, Ms4.0. MOS 21 14:42:29.9, 5.1, 5.0, 99N-98.15E, h10km, mB4.1/6. Error ellipse: s-maj=12.9km s-min=10.9km az=150.2. IDC 21 14:42:30.2, 0.9, 5.1, 04N-98.34E, mB3.9/6, mB1 4.0/8, mB1mx3.8/22, ML3.1/2, MS3.2/5, Ms1 3.2/5, mms1x3.0/25, Error ellipse: s-maj=23.8km s-min=15.8km az=15.0. NNC 21 14:42:31.7, 4.6, 5.0, 87N-97.99E, Error ellipse: s-maj=58.1km s-min=39.5km az=122.0. NEIC 21 14:42:32.8, 0.6, 5.1, 20N-98.20E, h10km, mB4.0/6, Error ellipse: s-maj=13.5km s-min=9.1km az=217.0. ISC 21 14:42:31.4, 0.3, 5.1, 12N, 0.05-98.10E-0.04, h10km, n55, e1511/61, mB4.0/11, MS3.4/6, 3C-2D. Tuva-Buryatia-Mongolia border region

Table with columns for Code, Station Name, Az, Az', Phase, ID, Op, ISC, h, m, s, Time, Res, ISC. Rows include stations like ORL Oriik, MOY Mondy, ARS Arshan, ZAK Zakamensk, etc.

Table with columns for Code, Station Name, Az, Az', Phase, ID, Op, ISC, h, m, s, Time, Res, ISC. Rows include stations like CERR Cheresushki, TRG Tyrgan, TRG Tyrgan, SONM Songino Array, etc.

Table with columns for Code, Station Name, Az, Az', Phase, ID, Op, ISC, h, m, s, Time, Res, ISC. Rows include stations like BVAR Borovoye, BRVK Borovoye, YAK Yakutsk, CD2 Chengdu, LSA Lhasa, ARU Artu, ARU Akbulak array, etc.

NEIC 21 14:57:20.6, 16.43N-98.53W, h27km, MD3.9(MEX), After MEX. MEX 21 14:57:20.2, 0.7, 16.38N-98.55W, h14km, m11km, MD3.9, 2C, Near coast of Guerrero

Table with columns for Code, Station Name, Az, Az', Phase, ID, Op, ISC, h, m, s, Time, Res, ISC. Rows include stations like PNIAG Pinotepa, PNIAG Pinotepa, CAIG El Cayaco, OAXC Oaxaca, etc.

NEIC 21 15:03:55.4, 2.5, 20.40S x 178.19W, h573km, 28km, mB4.1/9, Error ellipse: s-maj=12.6km s-min=11.8km az=91.0. IDC 21 15:03:56.5, 2.6, 20.54S x 178.14W, h588km, 31km, mB3.6/12, mB1 3.8/1, mB1mx3.8/17, Error ellipse: s-maj=17.8km s-min=13.0km az=156.0. ISC 21 15:03:53.7, 1.5, 20.65S-0.08, mB4.1/21, 7C-8D, h567km, 19km, n53, e19101/45, mB4.1/21, 7C-8D, Fiji Islands region

Table with columns for Code, Station Name, Az, Az', Phase, ID, Op, ISC, h, m, s, Time, Res, ISC. Rows include stations like DZM Mont Dzumac, RAR Rarotonga, URZ Urutia, URZ Urutia, PMG Port Moresby, etc.

Table with columns: WRA, S, TXAR, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like WRA, KAKA, FORT, etc.

NAO 21 15:06:07.6, 3.2, 78.34N-8.11E, ML3.4
BER 21 15:06:07.1-5.2, 78.44N-7.60E, MD3.0, ML3.3, ML3.4(NAO)

ICD 21 15:06:09.0, 0.7, 18.73N-8.50E, mb3.8/10, mb1.4/15, mb1mx4.0/18, ML3.7/5, MS3.9/3, Ms1 3.3/9, ms1x3.1/20, Error ellipse: s-maj=12.3km s-min=6.9km az=174.0

NEIC 21 15:06:10.1-0.6, 78.23N-9.26E, h10km, mb4.0/1, Error ellipse: s-maj=11.1km s-min=8.6km az=87.0

ISC 21 15:06:07.5, 2.5, 78.08N-0.06, 8.5E, 0.2, h2km, 17km, n34, r1509/37, mb3.7/11, MS3.3/8, Svalbard region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like KBS, SP4, SP5, etc.

Lajitas Array 65.90 298 P P 15 16 56.7 +0.3
TXAR LR LR 15 15 44.30 +0.4

NNC 21 15:42:28.1, 4.5, 38.65N-69.38E, mpv3.6, Error ellipse: s-maj=43.2km s-min=38.4km az=14.0
ISC 21 15:42:31.0-0.5, 38.88N-0.4, 69.2E-0.2, h10km, n7, r0961/8, 1D, Tajikistan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like KK31, AML, EK2S, etc.

ICD 21 15:44:00.1, 0.1, 29.96N-88.15E, mb3.8/10, mb1.4/0/12, mb1mx4.0/18, ML3.2/2, Error ellipse: s-maj=32.8km s-min=19.8km az=37.0

NEIC 21 15:44:08.0, 0.8, 29.92N-88.23E, h63km, 15km, Error ellipse: s-maj=15.3km s-min=8.5km az=170.0

ISC 21 15:44:06.9-0.1, 29.95N-0.08, 88.18E-0.06, h66km, 13km, n24, r095/25, mb3.7/10, Xizang

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

NEIC 21 16:03:11.3, 0.6, 19.14N-145.51E, h163km, 6km, mb4.2/7, Error ellipse: s-maj=10.2km s-min=6.3km az=92.0

ICD 21 16:03:13.3, 3.5, 19.16N-145.47E, h182km, 32km, mb3.8/15, mb1.4/0/16, mb1mx3.9/25, Error ellipse: s-maj=20.0km s-min=12.1km az=112.0

ISC 21 16:03:10.4-0.9, 19.15N-106.145E, 0.1, h170km, 9km, n37, r085/36, mb4.1/19, 2D, Mariana Islands

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

Table with columns: ABRA, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like Dolores, Conner, Callao Caves, etc.

ICD 21 16:43:56.0-5.1, 30.36N-83.45E, mb3.7/11, mb1.3/7/3, mb1mx3.4/19, ML3.4/2, Error ellipse: s-maj=185.0km s-min=43.0km az=66.0, Xizang

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

PRU 21 17:07:49.6, 50.30N-18.94E
WAR 21 17:07:49.2, 50.23N-19.03E, h1km, Location given by Central Institute of Mining, origin time based upon JCG

ISC 21 17:07:49.4-0.6, 50.22N-0.04, 18.97E-0.04, n17, r152/35, Poland

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

JMA 21 17:17:34.6-0.1, 29.90N-141.68E, h54km, M3.8, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like CBJJ, BSO1, BSO2, etc.

WEL 21 17:21:32.8-0.3, 45.23S-166.86E, h20km, ML3.5/6/2D, Error ellipse: s-maj=3.0km s-min=1.4km az=90.0, Off west coast of South Island

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

STR 21 17:48:27.9-0.1, 42.76N-1.89E, h5km, 1km, ML2.4, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

LDG 21 17:48:28.2-0.0, 42.78N-1.91E, h5km, Md2.1/2, ML2.1/4, Error ellipse: s-maj=0.9km s-min=0.7km az=162.0

MDD 21 17:48:28.5-0.2, 42.77N-1.90E, h5km, Lg1.5/12, Error ellipse: s-maj=2.1km s-min=1.4km az=12.0, PRXIMO

ISC 21 17:48:26.9-0.4, 42.81N-0.03, 1.90E-0.03, h5km, 6km, n28, r1514/38, Pyrenees

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

MAN 21 16:06:12.6, 18.30N-120.23E, h1km, mb4.0, ML2.8, MS2.5, 1C-1D, Luzon

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





ellipse: s-maj=0.0km s-min=0.0km az=1.0
NEIC 21:37:07.9, 44.36N, 7.24E, h5km, ML2.5(GEN),
ML2.3(LDG), ML2.2(STR), After STR.

LDG 21:19:37.07, 44.14, 38N, 7.26E, h2km, Md2.3, ML2.3/8,
Error ellipse: s-maj=1.4km s-min=0.6km az=64.0

ISC 21:19:37.06, 44.24, 38N, 0.01, 7.25E, 0.02, h12km, 2km,
n32, c062/66, Northern Italy

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time (h:m:s), Residual (ISC), and other parameters. Includes stations like SVT2, ENR, SURF, etc.

NEIC 21:20:00.55, 40.9, 21.88S, 68.37W, h116km, 10km, mb3.8/1,
Error ellipse: s-maj=20.1km s-min=14.3km az=77.0

ISC 21:20:00.55, 3.0, 9.21, 89S, 68.36W, h108km, 14km, mb3.8/4,
mb1.3/6, mb1mx3.7/15, Error ellipse: s-maj=26.5km

s-min=24.9km az=54.0
ISC 21:20:00.54, 5.0, 8.21, 90S, 0.10, 68.4W, 0.1, h123km, 10km,
n13, c118/15, mb4.9/5, Chile-Bolivia border region

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time (h:m:s), Residual (ISC), and other parameters. Includes stations like LVC, LPAZ, TRQA, etc.

TIF 21:20:11.1, 4, 39.50N, 44.13E, h20km, Mpv5.0
ISC 21:20:11.1, 6, 39.60N, 43.97E, h5km, MD3.8

ISC 21:20:11.1, 9, 4.2, 40.06N, 44.04E, mb3.2/3, mb1.3/4/5,
mb1mx3.3/18, ML2.2, Error ellipse: s-maj=71.0km

s-min=28.9km az=173.0
NEIC 21:20:11.22, 0.1, 40.27N, 44.01E, h10km, mb3.8/2, Error
ellipse: s-maj=22.8km s-min=9.4km az=153.0

ISC 21:20:11.6, 9.0, 4, 39.62N, 0.04, 44.15E, 0.04, h10km, n28,
c1942/37, mb3.4/4, 2C-1D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time (h:m:s), Residual (ISC), and other parameters. Includes stations like ERE, AGRT, VAN, etc.

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time (h:m:s), Residual (ISC), and other parameters. Includes stations like EZM, BTMT, ERZAN, etc.

LDG 21:20:14.21, 9.0, 1, 48.54N, 83.03E, h10km, Mb4.5/26,
Ms3.2/5, Error ellipse: s-maj=5.4km s-min=2.6km az=22.0

ISC 21:20:14.27, 2.0, 48.19N, 81.87E, mb4.1/13, mb1.4/3/5,
mb1mx4.2/23, ML4.6/2, MS3.1/1, Ms1.3/1/1, ms1mx2.6/27,
Error ellipse: s-maj=20.7km s-min=8.1km az=56.0

BUI 21:20:14.28, 6, 48.13N, 81.71E, h7km, mb4.4, mb4.5, ML4.5,
Ms4.0, Msz3.6

NEIC 21:20:14.28, 4.0, 2, 48.15N, 81.79E, h10km, mb4.4/36,
MS3.6/1, Error ellipse: s-maj=7.8km s-min=3.3km az=55.0

NEIC Felt [I] at Ust'-Kamenogorsk and Zyrvanovsk.
MOS 21:20:14.29, 5.1, 1, 48.16N, 81.22E, h10km, mb4.4/8, Error
ellipse: s-maj=12.1km s-min=7.9km az=110.0

MOS Felt [II] at Zyrvanovsk, Ust'-Kamenogorsk.
NVC 21:20:14.31, 6.1, 1, 48.01N, 81.35E, h34km, 19km, mpy4.6,
Error ellipse: s-maj=13.7km s-min=2.8km az=43.0

ISC 21:20:14.26, 0.0, 8, 48.20N, 0.02, 81.69E, 0.05, h3km, 5km,
n120, c099/133, mb4.4/44, MS4.0/1, 9C-16D, Eastern Kazakhstan

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time (h:m:s), Residual (ISC), and other parameters. Includes stations like MK31, MKAR, MKAF, etc.

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time (h:m:s), Residual (ISC), and other parameters. Includes stations like NVS, TKM2, USP, etc.

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time (h:m:s), Residual (ISC), and other parameters. Includes stations like AAM, AML, BVA0, etc.

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time (h:m:s), Residual (ISC), and other parameters. Includes stations like CHKZ, CHKZ, KK31, etc.

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time (h:m:s), Residual (ISC), and other parameters. Includes stations like ZAK, AB31, AB31, etc.

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

Table with columns: Code, Station Name, Azimuth (AZ), Phase ID, Time (h:m:s), Residual (ISC), and other parameters. Includes stations like KAF, KAF, FINES, etc.

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

21d 20h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC. Includes stations like CABF La Chapelle, LPG La Plagne, LPL La Plagne, etc.

NEIC 21 20:36:25.7, 15.73N-94.15W, h37km, MD3.9(MEX), After MEX

MEX 21 20:36:26.2, 0.6, 15.72N-94.19W, h35km, MD4.2, 1C-2D, Near coast of Oaxaca

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC. Includes stations like CMIG Matias Romero, SCX San Cristobal, etc.

MOS 21 20:36:52.8, 1.8, 5.88S-151.91E, h33km, mb5.3/4, MS4.7/5, Error ellipse: s-maj=22.9km s-min=12.3km az=89.1

BUI 21 20:36:56.6, 5.48S-151.86E, h48km, mB5.2, mb4.7, MS4.9, MS4.6

IDC 21 20:36:56.3, 4.7, 5.95S-151.75E, h38km, mB4.5/12, mb1.4, 6/13, mb1mx4.6/14, ML4.0/1, MS4.5/14, Ms1.4/5/14, ms1mx4.5/19, Error ellipse: s-maj=21.2km s-min=11.8km az=120.0

HRVD 21 20:36:59.5, 0.2, 6.43S-151.94E, h88km, 4km, MW5.2/60, Centroid moment tensor Solution. LP body waves:

NEIC 21 20:36:59.6, 1.2, 5.95S-151.89E, h77km, 11km, mb4.9/21, Error ellipse: s-maj=8.2km s-min=6.0km az=99.0

SYO 21 20:36:59.5, 5.98S-151.69E, h67km, MB4.9, ISC 21 20:36:54.0, 1.1, 5.94S-151.71E, 0.05, h33km, 10km, h34km, 3.4km, p-P, N157, c1905/137, mb4.9/42, MS4.7/35, 3C-6D, New Britain region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC. Includes stations like PMG Port Moresby, CTA Charters Tower, KAKA Kaka, etc.

2004 JUL

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC. Includes stations like SJMP San Jose, POLP Pollio Island, LQP Lukliob, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res, ISC. Includes stations like CD2, PET Petropavlovsk, MEH Mehetia, etc.



Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KSH Kashi, COLA Eielson Array, KURK Kuruchov, GSPA South Pole Qui, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BER 21:20:42.14.1z4.1, HEL 21:20:42.15.4.0.2, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KIF Kilpisjarvi, KTK1 Kautokeino, TRO Tromso, etc.

NIED 21:20:43:00, 37.70N, 142.10E, h26km, Mw3.9. Best double couple: M=8.43x10^14 NP1=199, 859, lambda75. NP2=467, 835, lambda114.

Code Station Name Azimuth Phase ID Time Res. Includes stations like JIO Ouri, JFK Kawauchi, JMM Marumori, etc.

Code Station Name Azimuth Phase ID Time Res. Includes stations like URZ Urewera, URZ Rat Peaks, RAR Rarotonga, etc.

Code Station Name Azimuth Phase ID Time Res. Includes stations like ASAJ Asahikawa, ASAJ Asahikawa, ASAJ Asahikawa, etc.

Code Station Name Azimuth Phase ID Time Res. Includes stations like FINES FINESS Array B, FINES Ostrova, FINES Dobruska-Polom, etc.

Code Station Name Azimuth Phase ID Time Res. Includes stations like BRG Bergliesshubel, BRG Collim, BRG Novy Kostel, etc.

Code Station Name Azimuth Phase ID Time Res. Includes stations like WRA Warramunga Array, WRA Warramunga Array, WRA Warramunga Array, etc.

Code Station Name Azimuth Phase ID Time Res. Includes stations like FINES FINESS Array B, FINES FINESS Array B, FINES FINESS Array B, etc.

Code Station Name Azimuth Phase ID Time Res. Includes stations like NOA NORARS Array B, NOA NORARS Array B, NOA NORARS Array B, etc.

Code Station Name Azimuth Phase ID Time Res. Includes stations like AKASG Malin Array Be, AKASG Malin Array Be, AKASG Malin Array Be, etc.

Code Station Name Azimuth Phase ID Time Res. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Array, STKA Stephens Creek, etc.

Code Station Name Azimuth Phase ID Time Res. Includes stations like MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, etc.

Code Station Name Azimuth Phase ID Time Res. Includes stations like SKR Severo-Kuril's, FX1 Attu Island-7, FINES FINESS Array B, etc.

Code Station Name Azimuth Phase ID Time Res. Includes stations like HFS Hagfors, HFS Hagfors, HFS Hagfors, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like HFS Hagfors, AKASG Malin Array Be, AKASG Malin Array Be, etc.

NEIC 21:21:10:17.7, 17.19N-95.04W, h132km, MD3.9(MEX), After MEX.

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

BJI 21:21:33:59.6, 23.81S, 176.32W, h57km, mB5.1, mb4.6, Ms5.1, Msz4.7.

HRVD 21:21:34:02.6, 0.6, 23.78S, 177.49W, h102km, 10km, MW4.8/37, Centroid moment Tensor Solution.

Code Station Name Azimuth Phase ID Time Res. Includes stations like URZ Urewera, URZ Rat Peaks, RAR Rarotonga, etc.

Code Station Name Azimuth Phase ID Time Res. Includes stations like PMG Port Moresby, STKA Stephens Creek, STKA Stephens Creek, etc.

Code Station Name Azimuth Phase ID Time Res. Includes stations like AS12 Alice Springs, WRA Warramunga Array, WRA Warramunga Array, etc.

Code Station Name Azimuth Phase ID Time Res. Includes stations like VDA Vanda, VDA Vanda, VDA Vanda, etc.

Code Station Name Azimuth Phase ID Time Res. Includes stations like NVAR Mina Array Bea, NVAR Mina Array Bea, NVAR Mina Array Bea, etc.

Code Station Name Azimuth Phase ID Time Res. Includes stations like TPH Tonopah, TPH Tonopah, TPH Tonopah, etc.

Code Station Name Azimuth Phase ID Time Res. Includes stations like MDJ Mudjanjiang, MDJ Mudjanjiang, MDJ Mudjanjiang, etc.

Code Station Name Azimuth Phase ID Time Res. Includes stations like SBA Scott Base, SBA Scott Base, SBA Scott Base, etc.

Code Station Name Azimuth Phase ID Time Res. Includes stations like TUC Tucson, TUC Tucson, TUC Tucson, etc.

Code Station Name Azimuth Phase ID Time Res. Includes stations like BNM Battle Mountain, BNM Battle Mountain, BNM Battle Mountain, etc.

Code Station Name Azimuth Phase ID Time Res. Includes stations like SNAE Sanae, SNAE Sanae, SNAE Sanae, etc.

Code Station Name Azimuth Phase ID Time Res. Includes stations like WVAR Wild Horse Val, WVAR Wild Horse Val, WVAR Wild Horse Val, etc.

Code Station Name Azimuth Phase ID Time Res. Includes stations like VNA2 Neumayer-Watz, VNA1 Neumayer-Stat, RMW Rattlesnake Mo, etc.

Code Station Name Azimuth Phase ID Time Res. Includes stations like PLCA Paso Flores, PLCA Paso Flores, PLCA Paso Flores, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Pinardele Array, COLA College, Bozeman (W), Indian Mountain, Eielson Array, etc.

BUI 21 21:42:15.3, 37.36N-96.39E, h15km, ML4.1, Ms3.6, Msz3.3, Qinghai

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Gaotai, Lanzhou, Urumqi, etc.

TIF 21 21:49:01.0, 39.60N-44.08E, h14km, Mpv4.0, 1D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Vardenisi, Akhalkalaki, Mtatsminda, etc.

MAN 21 21:56:44.5, 13.48N-120.55E, h50km, mb3.7, ML2.5, MS2.0, 2C, Mindoro

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Lubang, Puerto Galera, Tagaytay City, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TGY Lukban, LOP College, San Jose, etc.

KRSC 21 22:23:04.6, 54.79N-164.24E, h41km, ML3.6, Komandorsky Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Bering, Mys Kozlova, Tyrs Kozlov, etc.

FUNUV 21 22:27:23.4, 10.47N-60.84W, h2km, MW2.7, TRN 21 22:27:27.3, 10.70N-60.84W, h41km, MD2.8

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

TIF 21 22:27:29.5, 39.74N-44.10E, h18km, Mpv3.8, 1D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Yerevan, Vardenisi, Akhalkalaki, etc.

MOS 21 22:36:23.4, 1.0, 46.84N-147.23E, h457km, mb3.4/4, Error ellipse: s-maj=41.9km s-min=20.5km az=69.9

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Yuzh-Sakhalins, Abashiri-Toko, Nemuro 2, etc.

ISC 21 22:36:25.8, 0.7, 47.4N, 1.1x147.0E, 0.2, h431km, 10km, n29, c123/37, mb3.3/9, Northwest of Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Yuzh-Sakhalins, Abashiri-Toko, Nemuro 2, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like FINES, NORARSAR Array B, NORARSAR Array B, etc.

IDC 21 22:38:56.5, 3.3, 34.08N-23.35E, mb3.9/6, mb1.3.9/11, mb1mx3.7/26, ML3.7/5, Error ellipse: s-maj=50.7km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like GVD Gavdhos, VAM Vamot, IDI Anoyia, etc.

AGG Agios Georgios, 4.84 347 ePn, S 22 41 10.6 -0.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like XRY Khirisi, NPS Neps, KYTH Kithira, etc.

GERES GERES Array B, 16.32 336 Pn, S 22 42 49.7 -0.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Muro Lucano, Keskin Array B, etc.

BUG 21 22:50:02.4, 51.49N-6.58E, h1km, ML1.5, BNS 21 22:50:03.8, 1.2, 51.56N-6.65E, h1km, 9km, ML1.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Winterswijk, Bochem-Univer, etc.

ISC 21 22:50:01.0, 0.6, 51.54N-6.48E, 0.04, n29, c133/55, Germany

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Winterswijk, Bochem-Univer, BNS, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HAU, HNF, LOR, SSF, AVF, SMF, FLN, GRR, TCF.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PGP, LUBP, LQP, SJMP, BUSP.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PERS, GROS, PDKS, OBKA, ARSA, VBY.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KHMM, KRMB, WDC, HORS, YBHA, YBH.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YBH, YBHA, KBO, NSHM, OHCM, HUMO, KEBM, BEKR, MOD, WCN, CMB, WVOR, NVAR, TXAR.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNL, MND, PDAR, TXAR.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MORB, KEV, OUL, NSS, MNV, MXZ, PUK, MWZ, MRU, DLBC, LAO, RW3, DMGT, SDCO, LARZ, ANMO, FFC, YKA, YKQ, YKW, DAWY, CDFX, ULM, ULM, SPU, ILAR, ILAR, KXSU, LTX, TXAR, TXAR, SVW, INK, INK, INK, JCT, OXF, BLO, PLAL, SWET, LRAL, MYNC, PWV, JSU, SCHO, SCHO, SUMG, APES, SPITS, NB2, NOA, NOA, NOA, CN2, HFS, JOF, KAF, FINES, FLES, FLN, GRN, SONM, LDF, BAL, HYF, CLL, CLL, SUW, MOX, MOX, MOX, LOR, LOR, SSF, TCF, BGF, AVF, ARU, ARU, BRG, BRG, BRG, CDF, HAU, HAU, GRA1, SMF, LPAZ, LPAZ, CAF, KHC, ETSF, CHKZ, GERES, VIVF, VIVF, OJC, LPL, DAVOX, DAVOX, LRG, ORIF, ORIF, ESDC, NJ2, NJ2, NIE, KURK, SMRF.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like URZ, PATZ, KZ, BKZ, MGZ, NGZ, TUNZ, RWZ, TSZ, WAZ, BFZ, MRZ, MRZ, KIW, MTW, CAW, MFRW, NZ, QHZ, TRZ, KHZ, DSZ, LTZ, MOZ, RPZ, LBZ, ODT, CTA, CTAO, STKA, STKA, WB2, WRA, GSPA, VNA1, VNA2, KAF, FINES, NOA, NOA.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KEBM, KBO, MPOR, COR, DBO, HSO, EUC, KMOR, HUMO, BBOR, NLO, HBO, SSOR, YBHA, YBH.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YBH, YBHA, KBO, NSHM, OHCM, HUMO, KEBM, BEKR, MOD, WCN, CMB, WVOR, NVAR, TXAR.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MORB, KEV, OUL, NSS, MNV, MXZ, PUK, MWZ, MRU, DLBC, LAO, RW3, DMGT, SDCO, LARZ, ANMO, FFC, YKA, YKQ, YKW, DAWY, CDFX, ULM, ULM, SPU, ILAR, ILAR, KXSU, LTX, TXAR, TXAR, SVW, INK, INK, INK, JCT, OXF, BLO, PLAL, SWET, LRAL, MYNC, PWV, JSU, SCHO, SCHO, SUMG, APES, SPITS, NB2, NOA, NOA, NOA, CN2, HFS, JOF, KAF, FINES, FLES, FLN, GRN, SONM, LDF, BAL, HYF, CLL, CLL, SUW, MOX, MOX, MOX, LOR, LOR, SSF, TCF, BGF, AVF, ARU, ARU, BRG, BRG, BRG, CDF, HAU, HAU, GRA1, SMF, LPAZ, LPAZ, CAF, KHC, ETSF, CHKZ, GERES, VIVF, VIVF, OJC, LPL, DAVOX, DAVOX, LRG, ORIF, ORIF, ESDC, NJ2, NJ2, NIE, KURK, SMRF.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MNV, OMM, OTM, HLID, TPI, MSO, CHMT, MCMT, BOZ, DUG, BLZ, HWUT, NEW, MSU, PDAU, PFO, SRU, DLBC.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DLBC, LAO, RW3, DMGT, SDCO, LARZ, ANMO, FFC, YKA, YKQ, YKW, DAWY, CDFX, ULM, ULM, SPU, ILAR, ILAR, KXSU, LTX, TXAR, TXAR, SVW, INK, INK, INK, JCT, OXF, BLO, PLAL, SWET, LRAL, MYNC, PWV, JSU, SCHO, SCHO, SUMG, APES, SPITS, NB2, NOA, NOA, NOA, CN2, HFS, JOF, KAF, FINES, FLES, FLN, GRN, SONM, LDF, BAL, HYF, CLL, CLL, SUW, MOX, MOX, MOX, LOR, LOR, SSF, TCF, BGF, AVF, ARU, ARU, BRG, BRG, BRG, CDF, HAU, HAU, GRA1, SMF, LPAZ, LPAZ, CAF, KHC, ETSF, CHKZ, GERES, VIVF, VIVF, OJC, LPL, DAVOX, DAVOX, LRG, ORIF, ORIF, ESDC, NJ2, NJ2, NIE, KURK, SMRF.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ZST Bratislava, YVHS Yyhne, AKASG Malin Array Be, etc.

NEIC 21 23:55:57.6:0.9,29.28N:67.82E,h10km,mb4.0/6,Error ellipse: s-maj=2.1km s-min=1.7km az=202.7,SNR=24

ISC 21 23:55:58.7:2.29,25.91N:67.62E,mb3.7/8,mb1 3.8/8,mb1mx3.6/20,Error ellipse: s-maj=149.0km s-min=36.3km az=151.0

ISC 21 23:56:02.3:2.29,25.91N:0.08:67.9E:0.1,h66km,19km,n25,c112/28,mb3.6/10,1C-1D, Pakistan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DRP Derazinda, SBDP Sheikh Budin, THW Thamme Wali, etc.

NEIC 21 23:58:24.8,36.55S:178.51E,h82km,ML4.1(WEL),After WEL

WEL 21 23:58:25.2:0.7,36.56S:178.46E,h79km,3km,ML4.0/2,Error ellipse: s-maj=1.6km s-min=4.3km az=90.0,Off east coast of North Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MXZ Matakaoa Point, PUK Puketiti, MARZ Manawate, etc.

NEIC 22 00:18:02.9,63.17N:150.38W,h115km,After AEIC

ISC 22 00:18:02.0:6.7,63.19N:150.27W,h122km,43km,mb3.6/1,

mb1 3.5/4,mb1mx3.2/20,Error ellipse: s-maj=65.5km

s-min=32.9km az=46.0,ISC 22 00:18:01.3:0.3,63.17N:0.02:150.36W:0.06,

h126km,4km,n74,c081/98,mb4.0/1,Central Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TRF Thorofore Moun, HUR Hurricane, KTH Kantishna Hill, etc.

ISC 22 00:18:01.3:0.3,63.17N:0.02:150.36W:0.06, h126km,4km,n74,c081/98,mb4.0/1,Central Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ILAR Ilar, PAX Paxson, BKG Blockade Glaci, etc.

WEL 22 00:42:02.1:0.6,45.47S:166.07E,h5km,ML3.5/3,2D,Error ellipse: s-maj=5.6km s-min=5.6km az=0.0,Off west coast of South Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DCZ Deep Cove, WHZ Wether Hill Ro, WHZ Mavora Lakes, etc.

ISC 22 01:02:10.6:1.8,0.91S:123.61E,mb3.7/3,mb1 4.1/3,mb1mx3.7/13,Error ellipse: s-maj=97.4km

s-min=32.3km az=63.0,Minahasa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, MKAR Makanchi Array, ILAR Eielson Array, etc.

ISC 22 01:02:57.4:2.4,5.87S:149.68E,h92km,20km,mb4.4/8,mb1 4.4/9,mb1mx4.2/14,MS3.2,MS1 3.3/2,ms1mx2.9/13,Error ellipse: s-maj=12.6km s-min=12.6km az=88.0

NEIC 22 01:02:58.0:1.8,5.86S:149.69E,h97km,15km,mb4.4/2,Error ellipse: s-maj=17.1km s-min=8.2km az=88.0

ISC 22 01:02:56.6:2.6,5.85S:149.68E,h98km,21km,n24,c0560/26,mb4.3/10,5C,New Britain region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PMG Port Moresby, CTAG Charters Tower, KAKA Kakadu, etc.

ISC 22 01:11:19.5:1.8,3.53N:126.76E,mb3.9/4,mb1 4.2/4,mb1mx3.8/16,Error ellipse: s-maj=108.0km

s-min=24.1km az=68.0,Talau Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, WB2 Warramunga Arr, etc.

ISC 22 01:20:23.5:1.6,25.70N:100.23E,mb3.6/4,mb1 3.7/4,mb1mx3.5/16,Error ellipse: s-maj=68.0km s-min=25.1km az=61.0

BUI 22 01:20:25.2,25.89N:100.47E,h14km,ML3.5

ISC 22 01:20:22.4:0.7,25.58N:0.05:100.58E:0.06,h14km,n8,c1919/12,mb3.5/4,1C, Yunnan

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

NINC 22 01:29:19.7:0.0,33.48N:68.33E,h158km,Error ellipse: s-maj=0.0km s-min=0.0km az=113.0

ISC 22 01:29:17.8:1.1,33.41N:0.06:69.7E:0.1,h33km,n16,c1925/21,3C-1D,Southeastern Afghanistan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JASL Jaisalmer, KJLP Kalpa, KHET Khetri, etc.

ISC 22 01:31:60.0:1.3,32.57S:71.68W,mb4.2/4,mb1 4.2/8,mb1mx4.1/16,ML4.2/4,MS3.6/5,MS1 3.5/5,ms1mx3.3/15,Error ellipse: s-maj=33.1km s-min=27.1km az=81.0

BUI 22 01:32:00.1,32.60S:71.80W,h23km,mb4.5,MS4.7,MSz4.5



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like Columbia Colle, Tungsten Hills, Mina Array Bea, Changchun, etc.

LJU 22 03:28:39.4, 46.32N, 13.57E, h7km, ML 1.9
ISC 22 03:28:38.9, 1.1, 46.31N, 0.04, 13.57E, 0.05, h13km, gkm, n10, r0544/17, 4C-5D, Austria

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

CAS 22 03:29:40.1, 2.0, 11.85N, 85.50W, h250km, 15km, MD4.0
ISC 22 03:29:40.3, 1.6, 11.93N, 0.4, 85.50W, 0.3, h252km, 15km, n15, r0587/20, Nicaragua

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

IDC 22 03:31:04.9, 3.5, 32.22N, 77.23E, mb3.7/6, mb1 3.9/7, mb1mx3.6/19, ML3.7/1, Error ellipse: s-maj=73.4km s-min=39.3km az=10.0

NEIC 22 03:31:06.0, 1.0, 32.19N, 77.17E, h10km, mb3.9/4, Error ellipse: s-maj=23.2km s-min=15.7km az=106.0

NCC 22 03:31:20.8, 26.0, 3.13N, 13N, 76.80E, h49km, 182km, Error

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like New Delhi, Karatay Array, Sonigo Array, etc.

NEIC 22 03:51:07.5, 2.5, 35.16N, 4.18W, h10km, ML3.0(LDG), Error ellipse: s-maj=29.8km s-min=7.8km az=181.0
MDD 22 03:51:08.5, 1.4, 35.22N, 4.21W, mbLg2, 7/24, Error ellipse: s-maj=13.2km s-min=7.2km az=174.0, PRXIMO
INMG 22 03:51:10.7, 1.4, 35.23N, 4.23W, h21km, 19km, ML2.7, Error ellipse: s-maj=16.2km s-min=4.5km az=168.0
LDG 22 03:51:11.0, 0.7, 35.38N, 4.15W, h10km, MB3.0, Error ellipse: s-maj=14.4km s-min=7.6km az=169.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like Mijas, Malaga-Limoner, Jimena Fronter, etc.

ISC 22 03:51:09.0, 0.8, 35.43N, 0.05, 4.21W, 0.03, h10km, n51, r151/96, Strait of Gibraltar

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like Mijas, Malaga-Limoner, Jimena Fronter, etc.

ISC 22 03:56:35.9, 0.7, 28.73N, 0.03, 65.37E, 0.02, h33km, 5km, h46km, 2km, pp-P, n467, r16/493, mb5.1/168, MS4.1/31, 77C-24D, Pakistan

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

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

BUI 22 03:56:32.2, 28.87N, 65.16E, h8km, mb5.1, mb5.1, MS4.6, MS2.3

HRVD 22 03:56:34.0, 0.4, 28.71N, 65.36E, h48km, 2km, MW5.1/52, Centroid moment Tensor Solution. LP body waves: s24, c34, Mantle waves: s52, c78; Half duration: 0 Moment tensor: Scale 10^19Nm; M-r=0.71; 20; M-th=2.33; 23; M-w=3.05; 16; M-s=1.04; 22; M-b=3.54; 15; M-b=2.28; 20; Nst double couple: M5.14x10^16 Np10x70, 860; A-7; Np2x3x164; 364; lambda=150; Principal axes: T: 5.25; P1g16; Azm: 293; N: -23; P1g59; Azm: 174; P: 5.02; P1g26; Azm: 31; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 22 03:56:34.0, 0.2, 28.65N, 65.32E, h10km, mb5.2/114 Error ellipse: s-maj=7.5km s-min=2.8km az=8.0
MOS 22 03:56:36.1, 0.7, 28.67N, 65.34E, h33km, mb5.3/18, Error ellipse: s-maj=13.3km s-min=7.8km az=113.7
IDC 22 03:56:38.1, 8.3, 28.74N, 65.36E, h32km, 61km, mb4.6/29, mb1.4/729, mb1mx4.7/32, MS4.1/9, Ms1 4.1/9, ms1mx3.8/20, Error ellipse: s-maj=21.7km s-min=11.1km az=10.0

ISC 22 03:56:35.9, 0.7, 28.73N, 0.03, 65.37E, 0.02, h33km, 5km, h46km, 2km, pp-P, n467, r16/493, mb5.1/168, MS4.1/31, 77C-24D, Pakistan

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



Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like CSNT, SOTA, FUR, ZCCA, MOTA, MOX, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like TRO, WTSB, LMR, HAU, CABP, WLF, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like ETOR, ETOB, ECRI, JNU, EVIA, EQES, GUD, ESDC, etc.







Table with columns: Call sign, Station Name, Frequency, Power, Mode, and Time. Includes stations like WRA Warrungarra Arr, CMAR Chiang Mai Arr, ASAJ Asahikawa, etc.

NIED 22 08:23:00, 37.80N, 141.80E, h41km, Mw4.3 Best double couple: M3.11x10^15 NP1.3x22, delta70, lambda94. NP2.0x190, delta71, lambda79

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like JIO Ouri, JMM Marumori, JJK Kawauchi, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like ASAJ Asahikawa, YUK Yuzh-Kuril'sk, JNU Nakatsue, etc.

Table with columns: Call sign, Station Name, Frequency, Power, Mode, and Time. Includes stations like NVS comp=E,5.0nm,0.5s, MKAR Makanchi Array, MKAR Makanchi Array, etc.

BJJ 22 09:16:10.8, 16.99N, 145.77E, h190km, mB5.0, mb4.6 NEIC 22 09:16:11.8, 0.4, 16.95N, 145.46E, h174km, 4km, 6/18, Error ellipse: s-maj=7.6km s-min=5.5km az=120.0

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

Table with columns: Call sign, Station Name, Frequency, Power, Mode, and Time. Includes stations like NJ2, NJ2, NJ2, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like ASAR Alice Springs, WRA Warrungarra Arr, FITZ Fitzroy Crossi, etc.

IDC 22 09:23:28.1, 3.26, 185N-177.19W, mb4.0/4, mb1 4.2/4, mb1mx3.9/13, Error ellipse: s-maj=45.9km s-min=35.7km az=155.0, South of Fiji Islands

Table with columns: NOA, HFS, AKASA, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes data for NORSTAR Array B, HFS Hagfors, and AKASA Malin Array Be.

MAN 22 09:44:55.7, 14.38N; 120.31E, h78km, mb3.8, ML2.5, MS2.1. ISC 22 09:44:55.3; 1.1, 14.36N; 0.04; 120.31E; 0.09, h98km; 11km, n12, e0983/18, 4C-1D, Luzon

Main table of station data with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists numerous stations including FITZ, WRA, WBS2, ASAR, MKAR, etc.

MAN 22 09:45:00.26, 40N; 129.00E, h35km, Mw6.1. Best double couple: M=1.65x10^18, Np1=171, S89, lambda=131. Np2=879, S41, lambda=2. BJI 22 09:45:11.3; 26.32N; 129.06E, h34km, mb6.1, mb6.0, Ms6.0, Ms25.9

NIED 22 09:45:00.26, 40N; 129.00E, h35km, Mw6.1. Best double couple: M=1.65x10^18, Np1=171, S89, lambda=131. Np2=879, S41, lambda=2. BJI 22 09:45:11.3; 26.32N; 129.06E, h34km, mb6.1, mb6.0, Ms6.0, Ms25.9

displacement seismograms. Energy computed from BB mechanism. NEIC Fell on Okinawa-jima. Recorded [3 JMA] on Okinawa-jima; [2 JMA] on Amami-oshima, Aguni-jima, Ihey-shima, Kume-jima and Okino-erabu-shima; [1 JMA] on Kikaiga-shima and Tokuno-shima. IDC 22 09:45:18.1; 0.5, 26.59N; 128.77E, h42km; 3km, mb5.4/29, mb1 5.5/32, mb1mx5.5/32, ML5.5/3, MS5.7/24, Ms1 5.7/24, ms1mx5.6/33 Error ellipse: s-maj=11.6km s-min=7.0km az=23.0

MOS 22 09:45:19.8; 1.1, 27.13N; 128.92E, h48km, mb6.1/52, MS6.5/25, Error ellipse: s-maj=8.5km s-min=5.2km az=106.5

ISC 22 09:45:15.0; 1.0, 26.50N; 128.85E; 0.02, h33km, (h41km, 7km; pP-P), n1003, r109/993, mb6.0/212, MS5.9/145, 119C-71D, Ryukyu Islands

Main table of station data with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists numerous stations including JOW, JOW2, JOW3, JIH, JJT2, etc.

Main table of station data with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists numerous stations including DL2, TIA, GQP, etc.



Table with columns for station code, name, frequency, power, and other technical details. Includes stations like HNR, USP, KHET, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like SKLM, PMS, MCK, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like ARCES, AREO, JOF, etc.

Table with columns for call sign, name, frequency, mode, and other technical details. Includes stations like BYBT, HILLS, CTKT, etc.

Table with columns for call sign, name, frequency, mode, and other technical details. Includes stations like ISK, KWP, KWP, etc.

Table with columns for call sign, name, frequency, mode, and other technical details. Includes stations like VYHS, VYHS, MORC, etc.

22d 9h

Table with columns for team names (e.g., NPS, ATH, IVA), scores, and performance indicators. Includes sub-sections like 'NEW', 'KHMH', 'NSAL', etc.

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Table with columns for team names (e.g., SIND, MVHI, HDH), scores, and performance indicators. Includes sub-sections like 'WATA', 'WTTA', 'TOD', etc.

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Table with columns for team names (e.g., BAIF, MOF, SDI), scores, and performance indicators. Includes sub-sections like 'BOZ', 'KBH', 'HAU', etc.











Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s ISC. Rows include CMAR Chiang Mai Arr, TSUM Tsumeb, PDAR Pinedale Array, WRA Warramunga Arr, STKA Stephens Creek.

NEIC 22 17:29:25.8, 40.27S-176.27E, h50km, ML4.0(WEL), After WEL.

WEL 22 17:29:25.3, 0.1, 40.29S-176.29E, h56km, 1km, ML3.9/9, Error ellipse: s-maj=1.3km s-min=0.5km az=90.0

WEL Fell in the Manawatu region, maximum reported intensity MM4.

ISC 22 17:29:23.5, 0.5, 40.32S-0.02-176.32E, h64km, 5km, n72, c682/76, 7C-3D, North Island

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s ISC. Includes stations like BFZ Birch Farm, TSZ Takapari Road, WRA Warramunga Arr, etc.

ISC 22 18:01:22.0, 2.4, 23.99N-141.79E, h116km, 22km, mb3.4/5, mb1 3.5/6, mb1mx3=32.0, Error ellipse: s-maj=45.8km s-min=19.6km az=91.0

ISC 22 18:01:21.2, 2.6, 24.0N, 0.2-141.8E, 0.4, h124km, 22km, n6, c054/7, mb3.7/5, Volcano Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s ISC. Rows include CBU Chichi jima, WRA Warramunga Arr, MKAR Makarara Radio, etc.

MAN 22 18:32:44.8, 13.75N-120.51E, h90km, mb4.1, ML2.9, MS2.6, 3C-1D, Mindoro

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s ISC. Rows include LUBP Lubang, TGY Tagaytay City, NBP Mount Natib, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s ISC. Rows include LQP Lukban, SJMP San Jose, POLP Polilio Island, etc.

RSRP 22 18:33:28.5, 17.98N-68.42W, h169km, 7km, MD5.0/8, MD5.0/8, 8C-1D, Mona Passage

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s ISC. Rows include IDE Isla Desecheo, LSP Isla Desecheo, AOPR Areco Observ, etc.

ISC 22 18:53:49.9, 0.9, 22.25S-170.30E, mb4.3/11, mb1 4.4/12, mb1mx4.4/17, ML3.8/1, MS4.1/10, Ms1 4.1/10, ms1mx0.4/16, Error ellipse: s-maj=27.6km s-min=21.7km az=150.0

BUI 22 18:53:54.8, 22.50S-170.30E, h45km, mb5.1, mb4.6, Ms4.8, Ms24.6

NEIC 22 18:53:56.9, 2.5, 22.48S-170.26E, h45km, 21km, mb4.8/5, MS4.6/1, Error ellipse: s-maj=16.6km s-min=12.1km

ISC 22 18:53:50.9, 3.9, 22.3S-0.1-170.22E, 0.07, h15km, 28km, n77, c1517/8, mb4.4/17, MS4.1/11, 1C-2D, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s ISC. Rows include DZM Mont Dzumac, NOUC Port Laguerre, HNR Honiara, etc.

MAN 22 18:56:22.9, 10.03N-126.42E, h1km, mb4.0, ML2.8, MS2.5, ISC 22 18:56:22.9, 1.7, 10.06N-102.126.40E, 0.03, h1km, n6, c181/9, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s ISC. Rows include SCPH Surigao, SCLP Butuan, MSPL Masin, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s ISC. Rows include TXAR Lajitas Array, PDAR Pinedale Array, ARCES ACCESS Array B, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s ISC. Rows include MMB Muntassir, PVCC Panska Ves, CLL Colim, etc.

MOX Moxa, MOX Moxa, SKO Skopje, etc.

GECC GERESE Array B, GECC GERESE Array B, WET Wetzell, etc.

WET Wetzell, WET Wetzell, GAA Grafenberg Arr, etc.

BAIF Baives, BFO Black Forest, BFO Champ du Feu, etc.

CABF La Chapelle, LDF La Druiliere, GRR Gorron, etc.

QUIF Quistinie, PGF Pioggioia, FRF La Foret Rouge, etc.

LMR La Moure, MAN 22 18:56:22.9, 10.03N-126.42E, h1km, mb4.0, ML2.8, MS2.5, ISC 22 18:56:22.9, 1.7, 10.06N-102.126.40E, 0.03, h1km, n6, c181/9, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s ISC. Rows include SCPH Surigao, SCLP Butuan, MSPL Masin, etc.

WEL 22 18:59:07.0, 3.4, 1.26S-172.63E, h192km, 2km, ML3.7/2, 5C-3D, Error ellipse: s-maj=2.5km s-min=2.4km az=90.0, South Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s ISC. Rows include QRZ Quartz Range, THZ Tophouse, NNZ Nelson, etc.

ISC 22 19:02:59.8, 1.3, 36.43N-142.83E, mb3.6/5, mb1 3.9/8, mb1mx3.7/24, ML4.1/3, MS3.2/1, Ms1 3.2/1, ms1mx2.5/21, Error ellipse: s-maj=35.9km s-min=19.1km az=92.0

NIED 22 19:03:00.3, 50N-142.70E, h28km, MW4.1, Best double couple: M1.64x1015 NP1.3x28, S46, A99, NP2.1x194, 845, A80

JMA 22 19:03:01.3, 0.2, 36.53N-142.73E, h193km, M3.9, MOS 22 19:03:02.5, 36.50N-142.86E, h33km, mb4.0/2, Error ellipse: s-maj=58.3km s-min=24.1km az=99.4

BUI 22 19:03:05.8, 36.50N-142.70E, h35km, mb4.3, mb4.6, Ms3.9, MS3.7, NEIC 22 19:03:05.8, 1.1, 36.52N-142.68E, h35km, mb4.6/3,

MW4.1(NIED), Error ellipse: s-maj=22.4km s-min=15.1km az=150.0

ISC 22:19:03:00:7.1.5, 36.52N, 0.04:142.76E, 0.06, h14km, 10km, n35, c093/49, mb4.1/1.1, MS3.6/1, 3C, Off east coast of Honshu

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

STR 22:19:53:52.4:0.2, 44.36N, 7.30E, h5km, 1km, M1.9, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

NEIC 22:19:53:52.5, 44.35N, 7.27E, h10km, ML2.5(GEN), ML2.2(LDG), ML1.9(STR), After GEN.

LDG 22:19:53:52.4:0.1, 44.36N, 7.27E, h2km, Md2.1/3, M2.2/4, Error ellipse: s-maj=2.3km s-min=1.2km az=55.0

ISC 22:19:53:51.8:0.3, 44.35N, 0.01:7.25E, 0.03, h14km, 2km, n30, c054/60, Northern Italy

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

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

BER 22:20:03:13.5:2.4, 67.81N, 20.21E, ML1.6, Suspected explosion

HEL 22:20:03:13.4:0.1, 67.83N, 20.22E, ML1.9, ML1.6(BER), Explosion, Sweden

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

NEIC 22:20:14:52.9, 16.20N, 94.70W, h68km, mb3.8/2, MD4.3(MEX), After MEX.

MEX 22:20:14:53.3:0.5, 16.22N, 94.75W, h72km, 8km, MD4.3

ISC 22:20:14:50:8.0, 16.24N, 0.05:94.77W, 0.03, h81km, 9km, n24, c1508/42, mb3.7/2, 3C-1D, Oaxaca

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

STR 22:20:15:59.9:0.1, 43.01N, 0.14E, h10km, 1km, M3.1, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

NEIC 22:20:16:00.3, 43.03N, 0.12E, h4km, ML3.4(LDG), ML3.1(STR), ML2.7(MRB), After LDG.

NEIC 22:20:16:00.3:0.0, 43.03N, 0.12E, h4km, Md3.4/3, M3.4/35, LDG 22:20:16:00.3:0.0, 43.03N, 0.12E, h4km, az=10.0

MDD 22:20:16:02.1:0.8, 43.02N, 0.10E, h5km, 6km, mL2.6/8, Error ellipse: s-maj=7.6km s-min=4.5km az=21.0, PRXIMO

ISC 22:20:15:57.6:0.2, 43.18N, 0.01:0.16E, 0.02, h8km, 2km, n82, c146/178, 2C, France

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

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous seismic stations and their recorded data for various events.



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Table with columns: Code, Station Name, Az, El, P, Res, Time, ISC, Code, Station Name, Az, El, P, Res, Time, ISC. Includes stations like TRI Trieste, TRI Obir, FVI Forni Avoltri, etc.

BUI 221:36:13.7, 18.25S:177.70W, h593km, mb4.4, mb4.5
BGS 221:36:17.1, 18.25S:178.53W, h590km
NEIC 221:36:17.4, 18.10S:178.50W, h593km, 1.1km,
mb4.7/45, Error ellipse: s-maj=8.0km s-min=4.9km

Main station list table with columns: Code, Station Name, Az, El, P, Res, Time, ISC, Code, Station Name, Az, El, P, Res, Time, ISC. Includes stations like DZM Mont Dzumac, NOUC RAR, URZ Urewhera, etc.

Main station list table with columns: Code, Station Name, Az, El, P, Res, Time, ISC, Code, Station Name, Az, El, P, Res, Time, ISC. Includes stations like MEN Nelson, KMOR Kings Mountain, PINOR Pine Mountain, etc.

Main station list table with columns: Code, Station Name, Az, El, P, Res, Time, ISC, Code, Station Name, Az, El, P, Res, Time, ISC. Includes stations like JOF Joensuu, KAF Kangasniemi, FINES Finnesse Array B, etc.



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Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes entries like PYM Petit Puy Mans, MEV Mefsonov, FSSB Fossombrone, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes entries like TICN Ticiantepe, COFN Cofrada, VCR Vista de Mar, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes entries like OJC Ojow, OKC Ostrava-Krasne, NIE Niedzica, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes entries like HUIG Huatulco, CMIG Matias Romero, TPX Tapachula, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes entries like GUMO Guam, WRA Warramunga Arr, FITZ Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes entries like STKA Stephens Creek, WRA Warramunga Arr, NVAR Vin Airy Bay, etc.

0.5nm, 0.6s, mb3.3, bazz=180, slow=6.3, SNR=6.2
PDAR Pinedale Array 87.23 44 P 23 27 03.4 -0.4
GERES GERRSS Array B 146.86 345 PKPbc PKPbc 23 33 56.2 +1.8

BER 22:23:16:25.7z.2.6, 67.77N:20.25E, ML1.5, Suspected explosion
HEL 22:23:16:26.0z.0.1, 67.82N:20.16E, ML1.7, ML1.5(BER), Explosion
ISC 22:23:16:21.3z.0.6, 67.68N:0.03z.19.95E:0.08, n12, s160/19,

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes entries like Code Station Name, KIF Kilpisjärvi, KTK1 Kautokeino, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes entries like Code Station Name, KIF Kevo, KUL Oulu, etc.

DJA 22:23:24:18.0z.2.8, 50.50S:115.44E, h30km, MD5.3/4, ML2.1/1, 1C-10D, Error ellipse: s-maj=8.0km s-min=4.5km az=1.0, Bali region

ICD 22:23:24:18.8z.6.3, 9.78N:92.82E, h81km, 56km, mb3.8/11, mb1.4, 0/12, mb1mx3.8/19, ML4.2/1, Error ellipse: s-maj=47.7km s-min=12.3km az=55.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes entries like PBA Port Blair, CMAR Chiang Mai Arr, VIS Vishakhapatnam, etc.

SVA 22:23:29:15.0z.0.9, 39.37N:29.99W, h10km, MD3.6, ML2.7, Error ellipse: s-maj=41.3km s-min=9.4km az=41.0, Azores Islands

Table with columns: PICO Pico, ROSA Rosais, PICO Rainha do Nor, etc.

MAN 22:32:55, 18.23N, 120.77E, h1km, mb4.0, ML2.8, MS3.4
MAN F LAOAG ILOCOS NORTE - INTENSITY III PASUQUIN.
ISC 22:32:55.0z.0.8, 18.24N:0.04z.120.73E:0.04, h1km, n11, s115/21, 2C, Luzon

LDG 22:23:43:16.4z.0.4, 43.06N:1.57W, h3km, Mdt1.9/2, ML1.4/1, Error ellipse: s-maj=6.3km s-min=4.5km az=63.0
STR 22:23:43:17.2z.0.1, 43.09N:1.54W, h2km, 1km, ML2.1, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

DJA 23:00:04:39.6z.0.7, 8.57S:115.49E, h82km, 6km, MD5.4/4, ML4.4/1, 5C-5D, Error ellipse: s-maj=21.8km s-min=9.9km az=179.0, Bali region

ICD 23:00:14:44.0z.1.6, 40.00N:50.13E, mb3.8/6, mb1.3/9/10, mb1mx3.7/20, ML3.9/4, MS2.8/1, Ms1 2.8/1, ms1m2.2/16, Error ellipse: s-maj=38.8km s-min=20.4km az=167.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s ISC. Includes entries like RATI Rata, INGI Ingas, KEDI Kedomdong, etc.



Table with columns: ARU, MDJ, KLR, etc. and various numerical data points for stations like Erzurum, KAMAS, AFS, etc.

Table with columns: GERES, CLL, CLM, etc. and various numerical data points for stations like Colim, Kasperske Hory, CEY, etc.

Table with columns: SFI, CING, CING, etc. and various numerical data points for stations like Santa Sofia, Cingoli, Poggio Sodo, etc.

IDC 23 01:39:21.5-1.5, 40.16Sx109.97W, mb3.5/2, mb1 4.0/2, mb1mx3.7/1.3, Error ellipse: s-maj=103.0km

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Lists stations like TXAR, PDAR, FINES, etc.

JMA 23 01:43:51.4-0.2, 23.97N-122.40E, TAP 23 01:43:54.2, 24.11N-122.43E, h4km, ML2.6

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

IDC 23 01:52:43.3x12.0, 23.18S-179.64E, h609km, 154km, s-maj=97.9km, s-min=56.6km, az=163.0, South of Fiji Islands

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

MAN 23 02:00:56.0, 15.75N-119.16E, h1km, mb4.7, ML3.6, MS3.5

NEIC 23 02:01:03.2x1.6, 15.49N-119.20E, h55km, 16km, mb4.6/2.5, Error ellipse: s-maj=13.6km, s-min=7.4km, az=64.0

IDC 23 02:01:03.6x2.9, 15.70N-119.59E, h58km, mb4.0/1.9, mb1 4.2/2.1, mb1mx1.4/1.24, ML4.3/2, MS4.1/1.6, Mst1 4.2/1.6, ms1mx1.4/1.22, Error ellipse: s-maj=28.7km, s-min=12.0km, az=63.0

Bull 23 02:01:08.9, 16.11N-118.91E, h54km, mb4.8, mb4.5, MS4.6, MS4.6

IDC 23 02:00:55.8, 0.3, 15.74N-0.03, 119.16E-0.03, h1km, n106, s-maj=184.1/12, mb4.6/1.1, MS4.3/2.4, SC-22, Luzon

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Lists stations like SCZP, BOLP, BCPH, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KONO Kongsberg, KMBO Kilima Mbogo, OJC Djow, etc.

IDC 23 02:21:24.6; 1.9, 60.83N; 65.80E, mb1 3.7/4, mb1mx3.4/21, ML3.3/44, Error ellipse: s-maj=55.3km s-min=13.5km az=54.0

NNC 23 02:21:26.8; 2.0, 60.88N; 66.00E, h55km, 29km, mpv3.1, Error ellipse: s-maj=18.3km s-min=13.3km az=73.0

ISC 23 02:21:29.1; 2.1, 60.76N; 0.08; 65.9E; 0.2, h10km, n11, e093/18, 9C-2D, Northwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHKZ Chkalovo, BRVK Borovoye, BVAO Borovoye Array, etc.

INMG 23 02:44:00; 7.1, 3.36; 30N; 6.72W, ML1.8, Error ellipse: s-maj=7.1km s-min=4.4km az=14.0

MDD 23 02:44:02; 1.1, 36.38N; 6.72W, h8km, 4km, mbl.g1/9/3, Error ellipse: s-maj=10.8km s-min=4.6km az=23.0

PRXIMO, Strait of Gibraltar

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PALC Alcoutim, EGRO El Granado, EMIN Mijas, etc.

NIED 23 02:59:00; 29.60N; 141.30E, h5km, Mw4.4 Best double couple: M5.07x10^15 NP1; 110, 866, lambda, 84. NP2: 0.234, 67, lambda, 146. JMA 23 02:59:49.9; 29.65N; 141.27E, h44km, M4.6

BUI 23 02:59:52.2; 29.76N; 141.23E, h50km, mb4.5 NEIC 23 02:59:54.8; 0.3, 29.74N; 141.32E, mb4.4/19, Error ellipse: s-maj=7.3km s-min=5.1km az=184.0

IDC 23 02:59:55.0; 0.6, 29.93N; 141.29E, h56km, 4km, mb3.9/15, mb1.4/120, mb1mx4.1/23, MS3.4/7, Ms1 3.5/7, ms1mx3.3/19, Error ellipse: s-maj=14.7km s-min=12.3km az=55.0

ISC 23 02:59:53.0; 0.4, 29.84N; 0.04; 141.27E; 0.06, h58km, h58km, 7km; p-P, n72, e094/76, mb4.3/32, MS3.5/5, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CBIJ Chichi jima, CBJU Chichi jima, CBJH Chichi jima, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHKZ Chkalovo, COLA College, BVAR Borovoye Array, etc.

NIED 23 03:13:00; 43.30N; 146.30E, h44km, Mw3.6 Best double couple: M3.17x10^14 NP1; 866, 885, lambda, 158. NP2; 178, 668, lambda, 5

JMA 23 03:13:19.0; 0.1, 43.26N; 146.28E, h46km, 1km, M3.7 ISC 23 03:13:19.3; 0.1, 43.32N; 0.1; 146.3E; 0.2, h44km; 17km, n7, e049/13, Kuril Islands

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

IDC 23 03:17:44.2; 5.1, 42.76N; 45.22E, mb3.6/6, mb1 3.7/7, mb1mx3.5/18, ML4.1/1, Error ellipse: s-maj=112.0km s-min=22.8km az=17.0

NNC 23 03:17:55.4; 6.7, 43.31N; 45.60E, h33km, Error ellipse: s-maj=102.0km s-min=59.1km az=115.0

MOS 23 03:18:00; 5.1, 43.59N; 45.52E, h117km, mb3.7/5, Error ellipse: s-maj=19.0km s-min=9.5km az=117.0

TIF 23 03:18:01.1; 43.24N; 44.51E, h14km, Mp4.5

NEIC 23 03:18:01.5; 1.5, 43.65N; 45.56E, h104km; 15km, mb3.9/2, Error ellipse: s-maj=27.9km s-min=10.9km az=184.0

ISC 23 03:18:00.4; 0.4, 43.46N; 0.08; 45.54E; 0.06, h127km; 8km, n37, e096/51, mb3.4/8, 4C-7D, Eastern Caucasus

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

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

ISC 23 03:25:39.1.2, 1.40.57N.0.08x19.9E.0.3, h17km, 15km, n7, 15279, Albania

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

IDC 23 03:37:39.4.1.2, 16.81S; 74.05W, mb3.6/3, mb1 4.0/5, mb1mx3.8/16, ML4.2/2, Error ellipse: s-maj=46.2km, s-min=25.6km az=57.0

NEIC 23 03:37:41.6.4.7, 16.82S; 73.98W, h15km, 31km, Error ellipse: s-maj=18.1km s-min=10.1km az=52.0

ISC 23 03:37:38.5.1.0, 17.0S.0.174.15W.0.08, h10km, n11, 15982.16, mb3.6/3, Near coast of Peru

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

INMG 23 04:01:25.2.1.7, 36.68N; 7.46W, h22km, 7km, ML1.8, Error ellipse: s-maj=10.9km s-min=6.7km az=82.0

MDD 23 04:01:26.9.1.1, 36.74N; 7.47W, h36km, 11km, mb1.8/6, 3C, Error ellipse: s-maj=10.5km s-min=7.2km az=36.0, PRXIMO, Strait of Gibraltar

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

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

DJA 23 04:20:21.5.0.9, 8.38S; 117.24E, h30km, MD5.1/4, ML4.5/3, 4C-5D, Error ellipse: s-maj=71.0km s-min=18.8km az=170.0, Sumbawa region

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

LDG 23 04:23:26.3.0.4, 44.30N; 10.83E, h10km, M2.6/8, Error ellipse: s-maj=9.5km s-min=4.4km az=115.0

NEIC 23 04:23:27.4.4, 16N; 10.82E, h64km, MD2.6(ROM), After ROM

ROM 23 04:23:27.4.0.4, 16N; 10.82E, h64km, MD2.6(12, ML2.0/9, Error ellipse: s-maj=2.6km s-min=2.0km az=0.0

ISC 23 04:23:26.4.0.4, 44.20N.0.03, 10.79E.0.03, h71km, 4km, n54, 10989/85, 14C-6D, Northern Italy

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

ISC 23 03:25:39.1.2, 1.40.57N.0.08x19.9E.0.3, h17km, 15km, n7, 15279, Albania

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

IDC 23 03:37:39.4.1.2, 16.81S; 74.05W, mb3.6/3, mb1 4.0/5, mb1mx3.8/16, ML4.2/2, Error ellipse: s-maj=46.2km, s-min=25.6km az=57.0

NEIC 23 03:37:41.6.4.7, 16.82S; 73.98W, h15km, 31km, Error ellipse: s-maj=18.1km s-min=10.1km az=52.0

ISC 23 03:37:38.5.1.0, 17.0S.0.174.15W.0.08, h10km, n11, 15982.16, mb3.6/3, Near coast of Peru

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

INMG 23 04:01:25.2.1.7, 36.68N; 7.46W, h22km, 7km, ML1.8, Error ellipse: s-maj=10.9km s-min=6.7km az=82.0

MDD 23 04:01:26.9.1.1, 36.74N; 7.47W, h36km, 11km, mb1.8/6, 3C, Error ellipse: s-maj=10.5km s-min=7.2km az=36.0, PRXIMO, Strait of Gibraltar

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

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

MOS 23 04:24:31.5.0.9, 53.28N; 158.72E, h153km, mb3.8/5, Error ellipse: s-maj=25.1km s-min=11.0km az=76.1

IDC 23 04:24:31.5.0.9, 53.28N; 158.72E, h106km, 39km, mb3.4/10, mb1 3.6/11, mb1mx3.5/21, Error ellipse: s-maj=51.9km s-min=16.5km az=5.0

NEIC 23 04:24:32.5.0.9, 53.28N; 158.59E, h117km, 12km, Error ellipse: s-maj=22.2km s-min=9.7km az=169.0

KRSC 23 04:24:32.2.0.3, 53.32N; 158.97E, h138km, ML4.0

ISC 23 04:24:32.0.0.3, 53.30N; 0.04; 158.94E.0.08, h149km, 2km, m63, 1030/93, mb3.6/11, 1D, Near east coast of Kamchatka Peninsula

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

MOS 23 04:24:31.5.0.9, 53.28N; 158.72E, h153km, mb3.8/5, Error ellipse: s-maj=25.1km s-min=11.0km az=76.1

IDC 23 04:24:31.5.0.9, 53.28N; 158.49E, h106km, 39km, mb3.4/10, mb1 3.6/11, mb1mx3.5/21, Error ellipse: s-maj=51.9km s-min=16.5km az=5.0

NEIC 23 04:24:32.5.0.9, 53.28N; 158.59E, h117km, 12km, Error ellipse: s-maj=22.2km s-min=9.7km az=169.0

KRSC 23 04:24:32.2.0.3, 53.32N; 158.97E, h138km, ML4.0

ISC 23 04:24:32.0.0.3, 53.30N; 0.04; 158.94E.0.08, h149km, 2km, m63, 1030/93, mb3.6/11, 1D, Near east coast of Kamchatka Peninsula

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

ISC 23 03:25:39.1.2, 1.40.57N.0.08x19.9E.0.3, h17km, 15km, n7, 15279, Albania

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

IDC 23 03:37:39.4.1.2, 16.81S; 74.05W, mb3.6/3, mb1 4.0/5, mb1mx3.8/16, ML4.2/2, Error ellipse: s-maj=46.2km, s-min=25.6km az=57.0

NEIC 23 03:37:41.6.4.7, 16.82S; 73.98W, h15km, 31km, Error ellipse: s-maj=18.1km s-min=10.1km az=52.0

ISC 23 03:37:38.5.1.0, 17.0S.0.174.15W.0.08, h10km, n11, 15982.16, mb3.6/3, Near coast of Peru

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

INMG 23 04:01:25.2.1.7, 36.68N; 7.46W, h22km, 7km, ML1.8, Error ellipse: s-maj=10.9km s-min=6.7km az=82.0

MDD 23 04:01:26.9.1.1, 36.74N; 7.47W, h36km, 11km, mb1.8/6, 3C, Error ellipse: s-maj=10.5km s-min=7.2km az=36.0, PRXIMO, Strait of Gibraltar

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

comp=Z,0.5nm,0.3s,mb3.6,baz=294,slew=5.0,SNR=21

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like ISK 23 04:45:54.5, 39.68N-25.36E, h7km, MD3.3 and others.

IDC 23 04:47:30.1, 0.7, 22.72Sx175.22W, mb4.3/13, mb1 4.5/15, mb1 mx4.5/20, ML4.5/2, MS3.9/6, Ms1 3.9/6, ms1mx3.7/17, Error ellipse: s-maj=26.8km s-min=16.9km az=137.0

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

NEIC 23 07:07:00.4, 6.9, 13.95Sx167.32E, h202km, 57km, mb4.0/1, Error ellipse: s-maj=39.2km s-min=17.0km az=86.0

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

IDC 23 07:07:00.1, 14.0, 13.95Sx167.34E, h197km, 120km, mb3.7/5, mb1 3.7/5, mb1mx3.5/13, Error ellipse: s-maj=84.5km s-min=33.4km az=103.0

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

IDC 23 07:06:59.3, 1.0, 14.0S, 0.2, 167.4E, h200km, n30, a0923/7, mb3.9/6, Vanuatu Islands

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

WEL 23 05:26:42.3, 0.3, 38.11Sx176.31E, h154km, 3ML3.6/2, Error ellipse: s-maj=3.9km s-min=3.7km az=90.0, North Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like URZ Urewera, URZ Matawai, URZ Black Stump Fm, etc.

Table with columns: BKZ, MGZ, NGZ, UNZ, FVZ, WNVZ, TSZ, BRZ, MFZ, KWZ, MIZ, KINZ, CAW, TUWZ, KHZ. Includes station names and coordinates.

JMA 23 06:10:11.5, 0.3, 23.50N-125.86E, h11km, M3.9, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like JOGS Gusukube, JOGS Miyako jima 2, JMJ Tarama, etc.

NEIC 23 07:07:00.4, 6.9, 13.95Sx167.32E, h202km, 57km, mb4.0/1, Error ellipse: s-maj=39.2km s-min=17.0km az=86.0

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

NEIC 23 07:08:52.8, 38.77N-22.61E, h11km, ML3.1(ATH), After ATH

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like AGG Agios Georgios, AGG Kithairon Oros, MKIT MKIT, etc.

THE 23 07:08:54.5, 38.81N-22.69E, h10km, ML2.8, Error ellipse: s-maj=7.0, 38.77N-22.61E, h11km, 7km, MD3.2/10, a129/24, Greece

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like AGG Agios Georgios, AGG Kithairon Oros, MKIT MKIT, etc.

IDC 23 08:11:25.0, 10.0, 34.14N-71.12E, mb3.9/4, mb1 3.9/6, mb1mx3.7/17, ML3.3/2, MS3.5/2, Ms1 3.5/1, ms1mx2.5/21, Error ellipse: s-maj=186.0km s-min=46.9km az=150.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like AGG Agios Georgios, AGG Kithairon Oros, MKIT MKIT, etc.

Table with columns: CEP, CHCP, THW, DRP, SARP, SARP, AML, UCH, KZA, EKS2, KK31, AAK, KBK, CHMS, USP, TKM2, NDI, NDI, KOLN, MK31, MKAR, GKN, DMN, KKN, PKI, GUN, AB31, AB31, KURK, KURK, VOSK, BVAR, BVAR, BRVK, CHKZ, CHKZ, SHL, ARU, AKASO, FINES, ARCES, NB2, NOA, ASAJ. Includes station names and coordinates.

NAO 23 08:32:55.1, 2.2, 69.32N-32.02E, ML2.1, HEL 23 08:32:54.6, 0.2, 69.32N-32.24E, ML2.1(NAO), Explosion, Baltic States - Belarus - Northwestern Russia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like APAA Apaty Array, APAA Apaty Array, KEV Kevo, ARAO ARCES Array S, ARAO ARCES Array S, AR1 AR1, SPAO Spitsbergen Arr, SPAO Spitsbergen Arr, etc.

BER 23 08:34:50.1, 0.9, 69.31N-31.96E, ML2.1(NAO), Suspected explosion

NAO 23 08:46:48.1, 1.5, 69.41N-32.26E, ML2.1, Baltic States - Belarus - Northwestern Russia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like APAA Apaty Array, APAA Apaty Array, KEV Kevo, ARAO ARCES Array S, ARAO ARCES Array S, AR1 AR1, SPAO Spitsbergen Arr, SPAO Spitsbergen Arr, etc.

MAN 23 08:40:33.3, 11.50N-125.25E, h25km, mb4.0, ML2.8, MS2.5, Samar

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like BESP Borongan, BESP Palo, OCLP Ormoc, MSLP Maasin, SCFH Surigao, PVCP Virac, etc.

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TRN 23 08:41:21.2, 11.28N-61.78W, h9km, MD2.9
FUNV 23 08:41:18.6, 11.24N-61.70W, h27km, MW2.6, 1D, Windward Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like TRN, GUV, GURV, etc.

NAO 23 08:42:02.7, 2.3, 69.33N-31.96E, ML2.0
BER 23 08:42:04.8, 2.2, 69.30N-31.88E, ML1.9, ML2.0(NAO), Suspected explosion

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like APAO, KEV, ARAO, etc.

NAO 23 08:42:29.7, 2.2, 69.28N-31.85E, ML2.0
BER 23 08:42:31.1, 1.9, 69.24N-31.75E, ML2.0(NAO), Suspected explosion

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like APAO, KEV, ARAO, etc.

JMA 23 08:46:58.4, 0.3, 44.00N-148.07E, h73km, M4.0
MOS 23 08:46:58.6, 0.6, 44.74N-147.51E, h99km, mb4.0/2, Error ellipse: s-maj=94.9km s-min=64.3km az=64.6

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like YUK, NEM2, JRA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like NEM2, JRA, JNK, etc.

HEL 23 09:04:09.8, 0.1, 60.50N-26.82E, ML1.4, ML2.4(NAO), Explosion
NAO 23 09:04:09.5, 5.3, 60.45N-26.60E, ML2.4
BER 23 09:04:11.2, 2.4, 60.54N-26.78E, ML2.4(NAO), Suspected explosion

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like VJF, FIAO, NUR, etc.

MAN 23 09:17:29.6, 17.67N-121.15E, h29km, mb4.0, ML2.8, MS2.5, 1C, Luzon

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like APYP, ABRA, CVP, etc.

STR 23 09:25:20.8, 0.1, 42.89N-2.11E, h5km, 1km, ML2.8, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0
NEIC 23 09:25:20.5, 42.88N-2.11E, h10km, ML3.1(LDG), ML2.8(STR), MN2.5(MDD), After STR

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like LPEF, CARF, MTLF, etc.

GRBF Goubrit 0.46 255 Pg Pg 09 25 29.1 +0.5
CLLI Livvia 0.50 194 Pg Pg 09 25 35.1 -0.1

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like CLLI, FILF, CBRU, etc.

MOS 23 09:26:37.8, 2.6, 51.10N-98.12E, h15km, mb4.4/1, 1C, Error ellipse: s-maj=27.2km s-min=16.2km az=153.6, Tuva-Buryatia-Mongolia border region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like ORL, MOY, ARS, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like EPF, RESF, CAVN, etc.

EGRA 11nm, 0.2s, SNR=7.9 1.55 241 Pn Pn 09 25 49.6 +2.4
EGRA 1.3nm, 0.1s, SNR=18 1.79 206 Pn Pn 09 25 53.4 +2.8

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

ATE Arette 2.09 274 Pg Pg 09 25 58.8 -1.3
ATE La Frestale 2.22 333 ePn Pn 09 25 58.6 +1.8

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like LFF, LARF, ESAC, etc.

EBR Ebro Roquetas 2.47 210 eS Sb 09 26 37.5 +3.6
SJPFP Ste Jean 2.47 275 ePn Pn 09 26 06.9 +1.8

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

ORIF Orien-ent Rattie 3.34 53 ePn Pg 09 26 13.3 +0.6
FRF La Foret Royal 3.35 78 ePn Pg 09 26 13.8 +1.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like SMF, AVF, SBF, etc.

MOS 23 09:26:37.8, 2.6, 51.10N-98.12E, h15km, mb4.4/1, 1C, Error ellipse: s-maj=27.2km s-min=16.2km az=153.6, Tuva-Buryatia-Mongolia border region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like ORL, MOY, ARS, etc.





Table with columns: STKA, ASAR, VNA, VNA2, VNA1, ARCES, etc. Includes station names, times, and coordinates.

NEIC 23 11:30:13.5:0.7, 21.66S:68.31W, h108km, 7km, mb3.9/2, Error ellipse: s-maj=12.8km s-min=8.9km az=72.0

IDC 23 11:30:13.8:0.8, 21.66S:68.29W, h109km, 9km, mb3.5/5, mb1.3/7.8, mb1mx3.6/2.16, Error ellipse: s-maj=19.8km s-min=9.5km az=95.0

ISC 23 11:30:11.8:0.7, 21.54S:0.07-68.2W.0.1, h108km, gkm, n22, c077125, mb4.4/6, Chile-Bolivia border region

Main table for station data with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Lists various stations like Limon Verde, Villa Florida, etc.

HEL 23 11:35:21.5:0.2, 62.44N:23.06E, ML1.5, ML2.0(NAO), Explosion

NAO 23 11:35:23.4:0.2, 62.51N:23.45E, ML2.0

BER 23 11:35:24.3:0.2, 62.44N:23.36E, ML2.0(NAO), Suspected explosion

ISC 23 11:35:20.3:1.6, 62.47N:0.09:23.1E:0.2, n9, c0545/13, Finland

Table for station data in the Finland region, including stations like Keuruu, Sumiainen, Kangasniemi, etc.

FUNV 23 12:06:33.7, 10.41N:62.31W, h19km, MW3.5

TRN 23 12:06:33.1, 10.39N:62.33W, h14km, MD4.4

NEIC 23 12:06:38.1:0.8, 10.55N:62.50W, h38km, 6km, mb4.4/14, MD4.3(TRN), MD4.2(CAR), Error ellipse: s-maj=8.7km s-min=5.6km az=139.0

IDC 23 12:06:39.6:4.1, 10.62N:62.61W, h48km, 39km, mb4.0/22, mb1.4/2.23, mb1mx4.1/28, ML3.4/1, MS3.6/2, MS1 3.7/2, ms1mx3.0/24, Error ellipse: s-maj=18.8km s-min=16.5km az=109.0

ISC 23 12:06:33.4:0.4, 10.41N:0.02-62.37W, h24km, 3km, n87, r19:10/100, mb4.3/33, MS3.5/1, 2C-7D, Near coast of Venezuela

Table for station data in the Venezuela region, including stations like Guiria, Guanoco, Chacachacare, etc.

Table for station data in the Caravelle region, including stations like Caravelle, Stowe, Caicara del Or, etc.

MOS 23 12:05:7.2:2.1, 71.1N:16.09E, h10km, mb4.0/1, Error ellipse: s-maj=13.7km s-min=6.5km az=78.2

BGR 23 12:02:09.0:8.5, 51.52N:16.19E, h1km, ML3.1/6, Error ellipse: s-maj=7.8km s-min=6.7km az=11.0

IDC 23 12:02:0.8:51.49N:16.05E, mb1.3/3.6, mb1mx3.2/21, ML3.1/6, Error ellipse: s-maj=13.9km s-min=7.4km az=110.0

PRU 23 12:02:28.5:1.48N:16.09E

NEIC 23 12:02:0.9:51.52N:16.10E, h5km, ML3.2(VIE), ML3.1(SZGRF), ML3.0(FUR), ML2.6(BRG), ML2.4(CLL), Error ellipse: s-maj=12.1km s-min=7.8km az=51.0

WAR 23 12:02:08.6:51.49N:16.10E, h1km, Location given by Rudna mine, origin time based upon KSP

ISC 23 12:02:07.3:0.6, 51.43N:0.03-16.03E, n45, c1933/83, 1C, Poland

Table for station data in the Poland region, including stations like KSP, Ksiaz, Dobruska-Polom, etc.

MOS 23 12:05:7.2:2.1, 71.1N:16.09E, h10km, mb4.0/1, Error ellipse: s-maj=13.7km s-min=6.5km az=78.2

BGR 23 12:02:09.0:8.5, 51.52N:16.19E, h1km, ML3.1/6, Error ellipse: s-maj=7.8km s-min=6.7km az=11.0

IDC 23 12:02:0.8:51.49N:16.05E, mb1.3/3.6, mb1mx3.2/21, ML3.1/6, Error ellipse: s-maj=13.9km s-min=7.4km az=110.0

PRU 23 12:02:28.5:1.48N:16.09E

NEIC 23 12:02:0.9:51.52N:16.10E, h5km, ML3.2(VIE), ML3.1(SZGRF), ML3.0(FUR), ML2.6(BRG), ML2.4(CLL), Error ellipse: s-maj=12.1km s-min=7.8km az=51.0

WAR 23 12:02:08.6:51.49N:16.10E, h1km, Location given by Rudna mine, origin time based upon KSP

ISC 23 12:02:07.3:0.6, 51.43N:0.03-16.03E, n45, c1933/83, 1C, Poland

Table for station data in the Poland region, including stations like KSP, Ksiaz, Dobruska-Polom, etc.

Table for station data in the Pruhonice region, including stations like Pruhonice, Rudersdorf, Colim, etc.

MOS 23 12:05:7.2:2.1, 71.1N:16.09E, h10km, mb4.0/1, Error ellipse: s-maj=13.7km s-min=6.5km az=78.2

BGR 23 12:02:09.0:8.5, 51.52N:16.19E, h1km, ML3.1/6, Error ellipse: s-maj=7.8km s-min=6.7km az=11.0

IDC 23 12:02:0.8:51.49N:16.05E, mb1.3/3.6, mb1mx3.2/21, ML3.1/6, Error ellipse: s-maj=13.9km s-min=7.4km az=110.0

PRU 23 12:02:28.5:1.48N:16.09E

NEIC 23 12:02:0.9:51.52N:16.10E, h5km, ML3.2(VIE), ML3.1(SZGRF), ML3.0(FUR), ML2.6(BRG), ML2.4(CLL), Error ellipse: s-maj=12.1km s-min=7.8km az=51.0

WAR 23 12:02:08.6:51.49N:16.10E, h1km, Location given by Rudna mine, origin time based upon KSP

ISC 23 12:02:07.3:0.6, 51.43N:0.03-16.03E, n45, c1933/83, 1C, Poland

Table for station data in the Poland region, including stations like KSP, Ksiaz, Dobruska-Polom, etc.

MOS 23 12:05:7.2:2.1, 71.1N:16.09E, h10km, mb4.0/1, Error ellipse: s-maj=13.7km s-min=6.5km az=78.2

BGR 23 12:02:09.0:8.5, 51.52N:16.19E, h1km, ML3.1/6, Error ellipse: s-maj=7.8km s-min=6.7km az=11.0

IDC 23 12:02:0.8:51.49N:16.05E, mb1.3/3.6, mb1mx3.2/21, ML3.1/6, Error ellipse: s-maj=13.9km s-min=7.4km az=110.0

PRU 23 12:02:28.5:1.48N:16.09E

NEIC 23 12:02:0.9:51.52N:16.10E, h5km, ML3.2(VIE), ML3.1(SZGRF), ML3.0(FUR), ML2.6(BRG), ML2.4(CLL), Error ellipse: s-maj=12.1km s-min=7.8km az=51.0

WAR 23 12:02:08.6:51.49N:16.10E, h1km, Location given by Rudna mine, origin time based upon KSP

ISC 23 12:02:07.3:0.6, 51.43N:0.03-16.03E, n45, c1933/83, 1C, Poland

Table for station data in the Poland region, including stations like KSP, Ksiaz, Dobruska-Polom, etc.

MOS 23 12:05:7.2:2.1, 71.1N:16.09E, h10km, mb4.0/1, Error ellipse: s-maj=13.7km s-min=6.5km az=78.2

BGR 23 12:02:09.0:8.5, 51.52N:16.19E, h1km, ML3.1/6, Error ellipse: s-maj=7.8km s-min=6.7km az=11.0

IDC 23 12:02:0.8:51.49N:16.05E, mb1.3/3.6, mb1mx3.2/21, ML3.1/6, Error ellipse: s-maj=13.9km s-min=7.4km az=110.0

PRU 23 12:02:28.5:1.48N:16.09E

NEIC 23 12:02:0.9:51.52N:16.10E, h5km, ML3.2(VIE), ML3.1(SZGRF), ML3.0(FUR), ML2.6(BRG), ML2.4(CLL), Error ellipse: s-maj=12.1km s-min=7.8km az=51.0

WAR 23 12:02:08.6:51.49N:16.10E, h1km, Location given by Rudna mine, origin time based upon KSP

ISC 23 12:02:07.3:0.6, 51.43N:0.03-16.03E, n45, c1933/83, 1C, Poland

Table for station data in the Poland region, including stations like KSP, Ksiaz, Dobruska-Polom, etc.









BJJ 23 18:20:55.9, 55.87N, 159.83W, h39km, mb4.6, mb4.7, Ms4.3, Ms2.4  
 NEIC 23 18:20:59.0, 4.0, 54.99N, 160.38W, mb4.6/40, MS3.8/3, ML4.6(AEIC), Error ellipse: s-maj=10.0km s-min=2.5km az=153.0  
 IDC 23 18:20:59.0, 7.5, 55.26N, 160.55W, h48km, mb4.2/15, mb1.4/4.19, mb1mx4.3/23, MS3.7/14, Ms1.3/7.14, ms1mx3.4/26, Error ellipse: s-maj=18.5km s-min=11.0km az=160.0  
 MOS 23 18:21:03.0, 6.0, 55.29N, 161.21W, h35km, mb4.9/16, Error ellipse: s-maj=31.0km s-min=11.2km az=97.8  
 ISC 23 18:20:58.0, 4.4, 55.03N, 160.36W, 0.06, h49km, h49km, 2.5km, pp-N, 2.04, t18/18/189, mb4.6/64, MS3.8/20, 9C-7D, Alaska Peninsula

Code	Station Name	A°	AZ°	Phase ID	Op	ISC	Time Res	h m s	ISC
SDN	Sand Point	0.33	346	eP	P		18 21 08.7	+1.4	
DOL	Dolgoi Island	0.88	279	eP	P		18 21 15.2	+1.1	
PVJ	Pavlof Volcano	0.89	294	P	P		18 21 15.6	+1.3	
HAG	Hague Volcano	0.94	289	P	P		18 21 16.4	+1.5	
PNTA	Pavlof North-7	1.03	294	P	P		18 21 17.9	+1.7	
DTNA	Dutton South F	1.10	277	P	P		18 21 18.4	+1.2	
DRIA	Deer Island	1.10	268	P	P		18 21 17.8	+0.5	
BLHA	Black Hill	1.19	368	P	P		18 21 19.8	+1.3	
BALA	Baldy Mountain	1.41	278	P	P		18 21 27.2	+2.2	
FALS	False Pass	1.77	266	P	P		18 21 29.8	+2.1	
FALS	Fals Pass	1.77	266	S	S		18 21 51.5	+3.3	
SSLN	Shishaldin Nor	2.11	266	P	P		18 21 33.5	+1.9	
ANPB	Aniakchak Plen	2.13	32	P	P		18 21 33.6	+1.7	
SSLW	Shishaldin Wes	2.21	32	P	P		18 21 34.3	+1.6	
WTUG	Tugamak	2.33	267	P	P		18 21 36.0	+1.3	
WESN	West Dahl Nort	2.49	261	P	P		18 21 38.7	+1.7	
WESE	West Dahl East	2.51	259	P	P		18 21 38.7	+1.4	
WESS	West Dahl Sout	2.59	260	P	P		18 21 39.7	+1.3	
WESS	West Dahl Sout	2.59	260	S	S		18 21 39.7	+1.3	
AKLV	Akutak Long Va	3.37	257	P	P		18 22 13.2	+4.4	
AKGG	Akutak Green G	3.38	258	P	P		18 22 15.9	+4.2	
AKGG	Akutak Green G	3.38	258	S	S		18 22 15.9	+4.2	
UNV	Unalaska Valle	3.78	254	P	P		18 22 34.1	+5.3	
MTBL	McKinish Table	3.83	257	P	P		18 22 55.1	+0.1	
MORR	McKushin Cirqu	3.95	247	P	P		18 22 56.4	+0.4	
KJL	Kutliuk	4.03	39	P	P		18 22 00.2	+1.5	
CAHL	Cahill	4.13	41	P	P		18 22 01.6	+1.5	
ANCK	Angle Creek	4.16	38	P	P		18 22 02.3	+1.6	
KABR	Katmai Brier	4.31	42	P	P		18 22 04.0	+1.3	
KAHK	Katmai Hardscr	4.67	37	P	P		18 22 09.1	+1.2	
KODI	Kodiak Island	5.12	54	P	P		18 22 13.4	+0.7	
NIKO	Niketoki	5.42	251	P	P		18 22 15.9	+2.3	
SPIT	Saint Paul Isl	5.94	295	P	P		18 22 25.1	+0.4	
OPT	Oil Point	6.03	37	P	P		18 22 29.4	+2.6	
SVV	Sparrevoh	6.60	20	P	P		18 22 34.6	+0.1	
CNPM	China Poot	6.69	44	P	P		18 22 36.1	+0.1	
CSLO	Redoubt South	6.80	36	P	P		18 22 39.7	+1.7	
REF	Redoubt East F	6.84	34	P	P		18 22 40.0	+1.9	
SPU	Mout Spurr	7.58	32	P	P		18 22 50.1	+1.8	
SLKM	Skilak Lake	7.71	40	eP	P		18 22 50.9	+0.6	
TT01	Tatalina	8.12	14	P	P		18 22 56.2	-1.0	
PMS	Palmer Sout	8.45	38	P	P		18 23 01.5	+1.1	
PWA	Palmer West	8.62	35	P	P		18 23 02.5	+0.7	
PWL	Port Wells	8.66	43	P	P		18 23 02.5	+0.7	
ATKA	Atka Island	8.70	257	P	P		18 23 03.5	-0.4	
PMR	Palmer	8.84	37	P	P		18 23 05.8	+0.1	
HIN	Hinchinbrook I	9.15	48	P	P		18 23 09.1	-1.1	
SML	Sawmill	9.27	39	P	P		18 23 10.7	+1.0	
EYAK	Cordova Ski Ar	9.55	49	P	P		18 23 13.6	-1.8	
GSMY	Great Sitkin M	9.81	259	P	P		18 23 19.3	+0.2	
DIV	Divide	9.84	46	eP	P		18 23 18.7	-0.7	
GSTD	Great Sitkin T	9.86	259	P	P		18 23 19.1	-0.6	
TRF	Thorofare Moun	9.89	27	P	P		18 23 18.2	-1.8	
ANM	Adak	9.89	33	P	P		18 23 19.3	+0.7	
ADK	Adak	10.23	259	P	P		18 23 23.6	-1.2	
MCK	McKinley	10.48	29	eP	P		18 23 29.7	+1.6	
THY	Trims Highway	11.23	36	P	P		18 23 38.5	+0.2	
IMA	Indian Mountai	11.55	14	eP	P		18 23 43.3	+0.7	
COLA	College	11.67	47	eP	P		18 23 44.3	+4.1	
COLA	College	11.67	47	P	P		18 23 44.0	-0.3	
ILAR	Eielson Army	11.85	29	P	P		18 23 44.3	-2.4	
ILAR	Eielson Army	11.85	29	S	S		18 23 44.3	-2.4	
ILAR	Eielson Army	0.2nm, 0.3s, baz=224, slow=6.4, SNR=16		S	S		18 25 51.8	-6.6	
ILAR	Eielson Army	comp=Z, 337nm, 19.3s, baz=251, slow=40		LR	LR		18 28 49.7		
DAWY	Dawson	13.90	41	eP	P		18 24 13.5	0.0	
FX1	Attu Island-F	15.70	273	eP	P		18 24 34.3	-2.7	
FX1	Attu Island-F	1.0nm, 0.3s, baz=267, slow=5.3, SNR=6.6		P	P		18 24 36.6	-0.4	
VIB	Van Inlet	16.35	85	P	P		18 24 49.1	+3.8	
VIB	Van Inlet	16.35	85	T	T		18 24 12.4		
DLBC	Dease Lake	16.91	66	P	P		18 24 52.6	+0.4	
DLBC	Dease Lake	0.2nm, 0.3s, baz=266, slow=9.8, SNR=8.7		LR	LR		18 31 10.8		
DLBC	Dease Lake	comp=Z, 134nm, 18.2s, baz=282, slow=36		LR	LR		18 24 53.0	+0.8	
INK	Inuvik	18.20	33	P	P		18 25 06.5	-1.7	
INK	Inuvik	1.2nm, 0.3s, baz=238, slow=12, SNR=28		S	S		18 28 27.0	+0.7	
INK	Inuvik	0.2nm, 0.3s, baz=288, slow=27, SNR=2.3		LR	LR		18 33 11.4		
INK	Inuvik	comp=Z, 387nm, 19.2s, baz=134, slow=40		LR	LR		18 25 06.9	-1.3	
BBB	Bella Bella	19.25	85	LR	LR		18 31 18.0		
PET	Petropavlovsk	23.92	282	eP	P		18 26 08.0	+0.3	
PET	Petropavlovsk	comp=Z, 55nm, 0.8s, mb5.0		pmx	pmx				
PET	Petropavlovsk	comp=Z, 100nm, 18.0s, MS3.3		MLR	MLR				
PET	Petropavlovsk	23.92	282	eP	P		18 26 08.2	+0.5	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	comp=Z, 1.9nm, 0.4s, mb3.9, baz=271, slow=8.9, SNR=17		P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 5.7nm, 0.8s, baz=272, slow=9.4, SNR=11		P	P		18 29 50.0	-1.8	
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1.4	
YKA	Yellowknife Ar	24.40	54	P	P		18 26 25.5		
YKA	Yellowknife Ar	comp=Z, 0.6nm, 0.4s, baz=267, slow=1.6, SNR=5.8		P	P		18 26 13.7	+1	

Table with columns: ESDC, Sonseca Array, 83.53 18 P, 18 33 22.5 +1.1, comp=Z, 1.7nm, 0.5s, mb4.4, baz=346, slow=5.0, SNR=8.7

NEIC 23 18:27:54.4, 0.7, 2.2, 10N: 143.66E, mb4.2/1, Error ellipse: s-maj=35.2km s-min=9.9km az=76.0

ISC 23 18:27:54.2, 1.1, 2.2, 23N: 0.1x143.8E, 0.5, h107km, 19km, s-min=12.0km az=78.0

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

WAR 23 18:32:04.6, 50.06N: 18.42E, h1km, Location given by Central Institute of Mining, origin time based upon RAC

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

LDG 23 19:27:04.5, 0.6, 14.86S: 166.66E, h10km, Mb4.4/2, Error ellipse: s-maj=78.5km s-min=41.3km az=32.0

NEIC 23 19:27:19.4, 0.2, 14.78S: 167.46E, h135km, mb4.6/9, Error ellipse: s-maj=8.5km s-min=5.8km az=91.0

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

Table with columns: VANDA, Vanda, 62.77 181 P, 19 37 30.1 -0.7, 3.0nm, 0.7s, mb4.2, baz=112, slow=8.0, SNR=12

ISC 23 19:37:41.9, 2.2, 4.5N: 0.0x183.7E, 0.3, h144km, 34km, n6, s0370/32, mb4.2/1, 1D, Talaud Islands

ISC 23 19:39:20.2: 12.0, 3.41S: 152.26E, h380km, 132km, mb3.2/5, mb1 3.4/5, mb15mx3/12, Error ellipse: s-maj=45.7km s-min=35.5km az=42.0, New Ireland

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

ISC 23 19:37:41.9, 2.2, 4.5N: 0.0x183.7E, 0.3, h144km, 34km, n6, s0370/32, mb4.2/1, 1D, Talaud Islands

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

ISC 23 19:39:20.2: 12.0, 3.41S: 152.26E, h380km, 132km, mb3.2/5, mb1 3.4/5, mb15mx3/12, Error ellipse: s-maj=45.7km s-min=35.5km az=42.0, New Ireland

ISC 23 19:37:41.9, 2.2, 4.5N: 0.0x183.7E, 0.3, h144km, 34km, n6, s0370/32, mb4.2/1, 1D, Talaud Islands

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

Table with columns: BVAR, Borovoye Array, 87.81 323 P, 19 51 28.0 -0.3, 0.5nm, 0.5s, baz=112, slow=8.0, SNR=5.0

NEIC 23 20:14:06.6: 1.3, 49.53N: 18.50E, h5km, ML2.8(SZGRF), Error ellipse: s-maj=28.0km s-min=8.1km az=199.0

ISC 23 20:14:05.4: 0.5, 50.23N: 18.03E, h1km, Location given by Central Institute of Mining, origin time based upon OJC

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

TRN 23 20:42:23.8, 16.83N: 61.04W, h22km, MD3.8, NEIC 23 20:42:24.4, 16.90N: 60.95W, h17km, MD3.5(FDF), After FDF

ISC 23 20:42:24.4: 1.3, 16.88N: 0.05x69.5W, 0.08, h23km, 7km, n31, s091/38, 7C-2D, Leeward Islands

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

NEI Mongol, BJI 23 20:47:19.8, 38.75N: 104.67E, h22km, ML3.8, Western

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



Table with columns: BTO, comp=N, 208nm, 0.5s, S, Sn, etc. listing various astronomical objects and their properties.

WEL 23 20:49:36.7+0.4, 36.225x177.83E, h181km, 5km, ML3.6/1, Error ellipse: s-maj=6.3km s-min=5.0km az=90.0, Off east coast of North Island

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc. listing stations for the WEL event.

DJA 23 20:57:42.0+0.9, 9.55S, 112.99E, h106km, 28km, MD4.8/4, m.L4.6/4, 3C-5D, Error ellipse: s-maj=48.1km s-min=21.0km az=9.0, South of Jawa

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc. listing stations for the DJA event.

NIED 23 21:08:00.26, 50N, 129.00E, h8km, Mw4.2 Best double couple: Mo2.16x1015 NP1.233, 883, lambda=86, NP2.23, 36, lambda=119

BJJ 23 21:08:16.6, 26.27N, 128.87E, h38km, mb4.6, m4.4 JMA 23 21:08:17.5, 0.2, 26.47N, 128.98E, h38km, 3km, M4.0 NEIC 23 21:08:19.5, 1.4, 26.37N, 128.89E, mb4.3/8, Error ellipse: s-maj=26.4km s-min=15.2km az=142.0

ISC 23 21:08:20.4, 1.7, 26.54N, 128.82E, h33km, 4km, mb3.5/8, mb1.3/7.9, mb1mx3.6/19, ML4.1/1, MS2.8/2, Ms1 2.8/2, ms1mx2.5/21, Error ellipse: s-maj=47.0km s-min=18.4km az=14.0

ISC 23 21:08:15.8, 0.9, 26.40N, 0.03, 129.00E, 0.03, h27km, 7km, h33km, 1.9km, pp-P, n49, n108/67, mb4.0/16, Ryyukyu Islands

Large table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc. listing stations for the ISC event.

Table with columns: KFN, Kakani, 38.80 282 eP, P, 21 15 40.7 +0.6, etc. listing various astronomical objects and their properties.

NEIC 23 21:43:16.6, 16.96N, 80.86W, h17km, MD3.4(FDF), After FDI

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc. listing stations for the NEIC event.

NEIC 23 21:44:49.5, 36.69N, 25.61E, h20km, MD3.0(ATH), After ATH

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc. listing stations for the NEIC event.

DJA 23 21:46:49.4+0.8, 9.36S, 110.15E, h160km, MD4.6/4, ML4.8/3, Error ellipse: s-maj=71.8km s-min=17.3km az=171.0

ISC 23 21:46:52.5, 12.0, 8.11S, 109.63E, mb3.8/4, mb1 3.8/4, mb1mx3.7/14, MS3.4/1, MS4.1/1, MS3.1/1, ms1mx2.9/15, Error ellipse: s-maj=33.0km s-min=9.3km az=129.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc. listing stations for the ISC event.

JMA 23 21:50:59.3, 0.1, 24.67N, 122.25E, h46km, M1.9 TAP 23 21:50:60.0, 24.25N, 122.24E, h18km, 1km, ML2.9

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc. listing stations for the JMA event.

BJJ 23 22:17:04.9, 32.44S, 177.91W, h8km, mb5.4, mb5.2, Ms5.2, Ms4.8

ISC 23 22:17:05.4+0.5, 32.99S, 178.46W, mb4.6/11, mb1 4.8/13, mb1mx4.7/16, ML4.6/2, MS4.8/11, Ms1 4.8/11, ms1mx4.7/16, Error ellipse: s-maj=22.7km s-min=16.8km az=153.0

HRVD 23 22:17:06.9, 0.2, 32.88S, 178.05W, h19km, MW5.2/59, Centroid moment Tensor Solution. LP body waves: s42.77, Mantle waves: s59.c105. Half duration: 1s0 Moment tensor: Scale 10^16Nm; Ms5.13x.22; Mw0.43x.15; Mw0.47x.15; Mw0.11x.35; Mw0.19x.12; Ms5.66x.37; Best double couple: Ms7.76x10^16 NP1: phi216, delta24, lambda117, NP2: phi7, delta9, lambda79. Principal axes: T 7.78, P1g64, Azm258; N -0.3, P1g11, Azm11; P -7.74, P1g23; Azm105; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s

SYO 23 22:17:06.8, 32.97S, 178.46W, h10km, Mb5.1, MS4.9 NEIC 23 21:07:06.9, 0.3, 32.97S, 178.46W, h10km, mb5.1/21, MS4.9/8, Error ellipse: s-maj=12.4km s-min=8.3km az=148.0

MOS 23 22:17:09.6, 0.9, 33.08S, 178.68W, h33km, mb5.1/2, Error ellipse: s-maj=36.3km s-min=29.7km az=84.5

ISC 23 22:17:05.7, 0.3, 33.11S, 0.05x178.54W, 0.07, h10km, n221, phi23/98, mb5.0/32, MS4.8/24, 19C-13D, South of Kermadec Islands

Large table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc. listing stations for various events.

SSE comp=Z, 33nm, 0.6s, mb5.7, 22 29 40.8 +4.7, etc.

Table with columns: SSE, comp=Z, 33nm, 0.6s, mb5.7, 22 29 40.8 +4.7, etc.

Table with columns: SDE, Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like SSE Shehan, QIZ QIZ, YSS YSS, etc.

Table with columns: ARCES, Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like ARCES ARCES, ARES ARCES Array S, etc.

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like LMR La Moure, MTE Manteigas, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like La Desirade, Saint Francois, Dongo Capester, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LPAZ, Villa Florida, Limon Verde, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like LPAZ, Villa Florida, Limon Verde, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YON, YOG, HATJ, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JAN, JAG, IGT, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CAIG, ZIIG, PNI, etc.

STR 24 02:19:01.6:0.1, 43.08N:0.62W, h10km, 1km, M12.1, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

NEIC 24 02:40:24.5, 39.49N:20.84E, h29km, MD3.1(ATH), After ATH.

ISC 24 03:55:17.3:1.0, 16.86N:0.07-10W.18W.0.4, h20km, 6km, n28, r1514/37, mb3.4/5, MS3.0/1, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ATE, REYF, Etsaut, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JEM, JTH, JANG, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CAIG, ZIIG, PNI, etc.

ISC 24 02:19:34.5:1.9, 34.47N:23.78E, mb3.7/7, mb1.3/7/10, mb1mx3.6/23, ML3.4/3, Error ellipse: s-maj=35.6km s-min=16.1km az=160.0

NEIC 24 02:19:42.6, 34.61N:24.10E, h26km, mb3.2/1, MD3.5(ATH), After ATH.

ISC 24 04:07:07.2:0.7, 31.73S:70.20W, h128km, MD3.5(GUC), After GUC.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GVD, VAM, ANOYA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JEM, JTH, JANG, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CAIG, ZIIG, PNI, etc.

ISC 24 02:24:06.1:0.8, 18.05S:67.12W, h271km, 9km, mb3.0/4, mb1.3/3.7, mb1mx3.1/1.7, Error ellipse: s-maj=21.8km s-min=10.8km az=92.0

ISC 24 03:24:32.4:2.0, 23.68S:66.76W, h243km, 24km, s-maj=19.0km az=83.0, July Procnce

ISC 24 04:16:22.5:0.1, 30.80N:130.36E, h122km, 1km, M3.5, n12, c048/22, Kyushu



comp=Z.3.1nm,0.8s,mb4.3,baz=3.8,slow=7.5,SNR=3.0
ULM Lac du Bonnet 78.40 9 P 05 48 44.6 +0.2

IDC 24 05:52:56.4, 1.0, 6.34S, 155.04E, mb4.07, mb1 4.27,
mb1mx4.1/11, Error ellipse: s-maj=36.5km s-min=32.8km
az=103.0

ISC 24 05:53:00.3, 0.9, 6.45S, 0.2, 154.9E, 0.2, h33km, n8, c1027,
mb3.87, Bougainville - Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like STKA Stephens Creek, CMAR Chiang Mai Arr, SONM Songoing Array, etc.

IDC 24 05:54:39.9, 0.9, 50.41S, 134.60E, mb4.3/5, mb1 4.4/6,
mb1mx4.2/10, ML4.0/1, MS3.8/8, Ms1 3.9/8, ms1mx3.7/14,
Error ellipse: s-maj=32.9km s-min=21.5km az=61.0

NEIC 24 05:54:41.0, 0.5, 50.39S, 134.57E, h10km, mb4.6/2, Error
ellipse: s-maj=18.4km s-min=10.6km az=81.0

ISC 24 05:54:39.1, 0.6, 50.34S, 0.08, 134.6E, 0.2, h10km, n23,
c09913, mb4.3/7, MS3.7/8, 1C, Western Indian-Antarctic
Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like STKA Stephens Creek, NWAOW Narrogin (SRO), etc.

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

MEX 24 07:27:37.7, 0.6, 15.60N, 96.16W, h50km, 5km, MD4.1
NEIC 24 07:27:38.9, 1.5, 90N, 96.38W, h28km, MD4.1 (MEX), After
MEX.

ISC 24 07:27:36.3, 1.5, 7N, 0.2, 96.17W, 0.07, h51km, 12km, n9,
c0631/7, Near coast of Oaxaca

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

IDC 24 07:37:02.1, 2.2, 0.1, 21.35S, 169.83E, h115km, 200km,
mb3.2/3, mb1 3.4/3, mb1mx3.3/11, Error ellipse:
s-maj=140.0km s-min=15.5km az=170.0

ISC 24 07:36:51.5, 2.2, 21.45S, 0.7, 169.8E, 0.3, h33km, n8,
c15047, mb3.5/3, Southeast of Loyalty Islands

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

JMA 24 07:45:15.0, 0.2, 24.63N, 141.19E, h166km, M4.7
ISC 24 07:45:12.8, 1.2, 24.5N, 0.1, 141.2E, 0.2, h166km, n8,
c062/11, Volcano Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JHHJ Haha-jima-NKT, CBJU Chichi jima, etc.

TIF 24 07:45:17.7, 40.87N, 43.15E, h6km, Mpv4.4, 1C-1D,
Turkey-Georgia-Armenia border region

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

IDC 24 08:07:44.6, 0.9, 33.83N, 38.57W, mb3.8/5, mb1 4.0/15,
mb1mx3.9/25, MS3.6/16, Ms1 3.7/16, ms1mx3.6/23, Error
ellipse: s-maj=24.8km s-min=16.5km az=10.0

NEIC 24 08:07:45.0, 0.9, 33.75N, 38.57W, h10km, mb4.5/13, Error
ellipse: s-maj=11.2km s-min=7.7km az=184.0

ISC 24 08:07:43.6, 0.6, 33.7N, 0.1, 38.62W, 0.08, h10km, n45,
c0574/38, mb4.1/27, MS3.7/16, Northern Mid-Antarctic
Ridge

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

CAF Calviac 33.09 58 eP P 08 14 21.3 -0.3
TCF Toulx Ste Croi 33.35 56 eP P 08 14 23.9 +0.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like LASF Saint Louis, SSF Saint Saule, SMF Signal de Mont, etc.

ISC 24 08:18:22.4, 37.00N, 27.10E, h10km, MD3.4
ATH 24 08:18:22.4, 36.93N, 27.13E, h29km, 1km, MD3.4/5

ISC 24 08:18:22.1, 1.3, 36.94N, 0.05, 27.11E, 0.07, h4km, 11km,
n13, c08918, Dodecanese Islands

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

ISC 24 08:18:22.4, 37.00N, 27.10E, h10km, MD3.4
ATH 24 08:18:22.4, 36.93N, 27.13E, h29km, 1km, MD3.4/5

ISC 24 08:18:22.1, 1.3, 36.94N, 0.05, 27.11E, 0.07, h4km, 11km,
n13, c08918, Dodecanese Islands

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

NEIC 24 08:40:44.8, 17.27N, 100.98W, h5km, MD4.2 (MEX), After
MEX.

MEX 24 08:40:44.5, 0.6, 17.24N, 100.97W, h7km, 7km, MD4.2, 2D,
Guerrero

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

IDC 24 04:01:06.2, 1.1, 51.12N, 98.42E, mb3.6/5, mb1 3.7/8,
mb1mx3.5/21, ML3.3/3, MS3.0/1, Ms1 3.1/1, ms1mx2.4/19,
Error ellipse: s-maj=27.2km s-min=16.3km az=13.0

24d 10h

BUJ 24 08:41:07.8, 50.89N-98.14E, h10km, mb4.4, mb4.3, Ms4.2, Msz3.8
NEIC 24 08:41:07.6:0.7, 51.12N-98.27E, h10km, mb3.9/3, Error ellipse: s-maj=15.5km s-min=9.9km az=212.0
MOS 24 08:41:07.2:1.4, 51.20N-97.99E, h15km, mb4.0/3, Error ellipse: s-maj=24.4km s-min=16.3km az=139.8
NMC 24 08:41:11.1:9.4, 51.95N-97.57E, Error ellipse: s-maj=182.4km s-min=93.3km az=161.0
ISC 24 08:41:06.4:0.5, 51.09N-100.07-98.13E:0.06, h10km, n32, r1509/38, mb3.5/6, MS3.0/1, 2C-3D,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like Orlik, Mondy, Arshan, Zakamensk, Talaya, Irkutsk, Tyrgan, Kabansk, Songino Array, Makanchi Array, Gaotai, Kurchatov, Lanzhou, Beijing, Vosk, Chkalovo, Borovoye Array, ARCES ARCESS Array, FINESS Array, Keskin Array, Norsar Array, Eielson Array.

2004 JUL

NEIC 24 08:53:38.8, 44.47N-10.62E, h15km, MD2.6(ROM), ML2.6(LDG), After ROM.
ROM 24 08:53:38.7:0.1, 44.47N-10.62E, h15km, km, MD2.6/3, ML1.7/8, Error ellipse: s-maj=1.3km s-min=1.1km az=0.0
ISC 24 08:53:38.5:0.4, 44.51N-10.02-10.58E:0.03, h18km, 4km, n39, r110/64, 3C-1D, Northern Italy

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like Eremo, Guscio, Zocca, Bagni Di Lucca, Fontana Vidola, Poggio Sodo, Santa Sofia, Teolo, Castellina Chi, Malga Bissina, Castel Tesino, Pioggia, Sospel, Montbard, Sankt Quirin, La Plagne, La Foret Royal, La Moure, Orien-est-Rattie, La Chapelle, Champ du Feu, Haudompre, Signal de Mont, Parakevich, Zmirm, Borovoye, Akhisar, Samos, Ezine, Balikesir, Tasoluk, Tokmak, Manisa, Lapseki, Limnos, Dursunbey, Kayabasi, Apeiranthos, Edinovic, Marmara Adasi, Karacabey, Yerkesis, Denizli, Alexandroupoli, Rodhopi, Ouranopolis, Catalca, Yalova, Buyukada, Istanbul-Kandi, Edirne, Sirkhos, Serrai, Elmali, Kendrikon, Kizilcal.

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IDC 24 09:23:29.4:8.7, 37.50N-141.14E, mb3.8/3, mb1 3.9/3, mb1mx3.5/19, Error ellipse: s-maj=282.0km s-min=39.9km az=3.0
JMA 24 09:24:02.6:0.1, 41.58N-141.03E, h140km, 1km, M3.3
ISC 24 09:24:01.8:0.6, 41.57N-141.03E:0.06, h141km, 5km, n19, r057/33, mb3.5/3, Hokkaido region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like Ohata, Kayabe, Shiruichi, Yakumo 2, Tenmabayashi, Naboribetsu, Iwosaki, Nango, Okushiri-Mats, Shimam, Eniwo, Urakawa-nobuka, Shakotan, Churui, Ohasama, Hokuryu, Makanchi Array, Pinedale Array, Matias Romero, Oaxaca, Huatulco, Ciudad Serdan, El Faro, San Vicente, La Ceiba, Serv Nac Est T, Las Brisas, Boqueron, San Miguel, Bellamira, San Blas, San Jose, El Retiro, Cacacuaticque, Conchagua, Robledal, Montecristo 2, Ixcap, Penoloya, Leon, Telica 3, Marmol, Miramir, Copalpete, Managua, Jato, Jicaral, Puriscal, La Lucha 2, Urasaca, El Cayaco, El Cayaco, Yautepac, Yautepac, Popocatepeti, Oaxaca, Ciudad Serdan, Zihuatanejo, Zihuatanejo, Morelia, Matias Romero.

LDG 24 08:53:36.6:0.3, 44.55N-10.95E, h10km, Md2.7/2, Md2.6/7, Error ellipse: s-maj=6.8km s-min=3.1km az=103.0

IDC 24 10:25:14.3:0.6, 13.38N-145.42E, mb4.2/20, mb1 4.4/20, mb1mx3.4/25, MS3.6/7, Ms1 3.7/7, ms1mx3.4/27, Error ellipse: s-maj=19.8km s-min=16.7km az=92.0
NEIC 24 10:25:21.1:1.1, 13.29N-145.28E, h54km, mb4.4/9, Error ellipse: s-maj=13.8km s-min=9.4km az=98.0

ISC 24 10:25:20.3; 1.1, 13.25N, 0.07-145.3E; 0.1, h61km, qkm, n49, c093/41, mb4.2Z, 4C-1D, Mariana Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GUMO Guam, JAPN Saipan, Hachijo jima 2, JOW Kunigami, PMG Port Moresby, etc.

NAO 24 11:03:24.1; 2.3, 68.07N, 32.58E, ML2.1 HEL 24 11:03:23.0; 2.6, 61.3N, 33.06E, ML2.0, ML1.7(BER), ML2.1(NAO), Explosion, Baltic States - Belarus - Northwestern Russia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like APAO Apaitiy Array, SGF Sodankyl, MSF Maaseika, etc.

NEIC 24 11:33:14.9; 4.6, 15.95S, 0.1-174.00W; 0.09, h136km, 42km, n31, c068/27, mb4.0/17.2D, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like RAR Rarotonga, URZ Urewera, PMG Port Moresby, etc.

PGC 24 11:35:03.9; 0.50, 56N; 130.48W, h10km, MLs3.2, West of Vancouver Island, British Columbia

NEIC 24 11:35:04.0; 50.566N; 130.48W, h10km, ML3.2(PGC), After PGC

IDC 24 11:35:07.1; 9.50, 77N; 130.00W, mb3.2/1, ms1, 3.5/6, mb1mx3.4/22, ML3.4/5, MS2.8/1, Ms1 2.8/1, ms1.8/13, Error ellipse: s-maj=24.8km s-min=12.3km az=68.0

ISC 24 11:35:03.9; 0.5, 50.7N; 0.03-130.22W; 0.06, h10km, n58, c093/74, mb3.0/1, IC, Vancouver Island region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HOLB Holberg, PHC Port Hardy, BBB Bella Bella, etc.

Table with columns: HTW Haystack Lookout, NLW Penticon, PNT Nelson Butte, etc. Includes station names, times, and residuals.

JMA 24 11:49:59.0; 0.3, 26.50N; 128.92E, h37km, M1.4, Ryukyu Islands

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

NIED 24 11:50:00.26, 50N, 128.90E, h14km, Mw3.9 Best double couple: M6.86x1014 NP1.0q68, d56, lambda-54, NP2.0q196, d48, lambda-131

JMA 24 11:50:46.0; 0.2, 26.48N; 128.93E, h36km, 3km, M3.8 NEIC 24 11:50:48.9; 1.4, 26.59N; 128.72E, h35km, 10km, mb4.0/2, Error ellipse: s-maj=16.3km s-min=11.2km az=174.0

IDC 24 11:50:48.5; 1.0, 26.59N; 128.76E, h32km, 5km, mb3.7/13, ms1 3.9/15, mb1mx3.8/23, ML3.9/2, MS2.6/1, Ms1 2.6/1, mb1x2.1/18, Error ellipse: s-maj=24.6km s-min=12.8km az=18.0

ISC 24 11:50:46.0; 0.4, 26.45N; 0.04-128.91E; 0.03, h37km, h37km, 1.3km, p-P, n38, c106/50, mb3.8/13, Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JOW Kunigami, JIH Iheya, JTA Tamaqusuku 2, etc.

JMA 24 12:30:17.2; 0.1, 26.47N; 128.91E, h33km, 3km, M3.2 IDC 24 12:30:19.0; 2.3, 26.55N; 128.84E, h30km, 5km, mb3.2/5, mb1 3.4/6, mb1mx3.3/18, ML3.5/1, Error ellipse: s-maj=54.7km s-min=17.2km az=9.0

ISC 24 12:30:16.9; 0.6, 26.42N; 0.04-128.93E; 0.04, h34km, 8km, n19, c069/29, mb3.2/5, Ryukyu Islands

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like NAH1 Naha, JTK Tokunoshima, JAGN Aguni-jima, etc.

STR 24 12:32:01.7, 0.7, 43.52Nk, 7.63E, h5km, 1km, M12.0, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

LDG 24 12:32:02.3, 0.2, 43.54Nk, 7.51E, h2km, M1.8/1, M1.8/2, Error ellipse: s-maj=3.0km s-min=1.2km az=124.0

ISC 24 12:32:01.6, 1.3, 43.51Nk, 0.05, 7.48E, h10km, 0.08, h10km, n13, s13/21, Near south coast of France

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like REVV Reverse, SBF Sospel, AURF Auriere, etc.

NIED 24 12:32:00.26, 50Nk, 128.90E, h11km, Mw4.0, Best double couple: M1 x 10^15 NP1: 75, 86, 66, -48, NP2: 196, 85, 22, -135

JMA 24 12:32:57.4, 0.2, 26.46Nk, 128.91E, h34km, 3km, M3.7, NEIC 24 12:32:58.5, 1.4, 26.40Nk, 128.84E, h35km, mb3.9/2, Error ellipse: s-maj=30.8km s-min=18.9km az=172.0

ISC 24 12:32:59.1, 1.5, 26.48Nk, 128.79E, h34km, 4km, mb3.7/1, mb1 3.9/13, mb1mx3.8/21, ML3.3/2, MS2.8/1, Ms1 2.8/1, ms1mx2.4/23, Error ellipse: s-maj=35.9km s-min=15.9km az=11.0

ISC 24 12:32:56.0, 0.5, 26.42Nk, 128.94E, 0.03, h35km, 6km, h37km, 1.0km, pP-1, n6, az=96/53, mb3.8/1, Ryukyu Islands

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

JMA 24 13:00:59.7, 0.2, 26.47Nk, 128.90E, h33km, 3km, M3.1, ISC 24 13:01:00.4, 2.6, 26.33Nk, 128.75E, h14km, 21km, mb3.0/3, mb1 3.1/3, mb1mx3.1/17, Error ellipse: s-maj=61.9km s-min=25.4km az=39.0

ISC 24 12:56:26.8, 0.4, 44.41Nk, 0.02, 67.1E, 0.04, h16km, 4km, n13, s13/24, France

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like BRTR Keskin Array B, YKA Yellowknife Ar, YKA Yellowknife Ar, etc.

NEIC 24 12:40:34.6, 0.9, 22.00S, 68.44W, h110km, 9km, mb3.3/4, mb1 3.6/5, mb1mx3.4/4, Error ellipse: s-maj=32.5km s-min=17.2km az=105.0

ISC 24 12:40:33.7, 0.2, 22.05S, 68.4W, 0.2, h121km, 7km, n11, s096/14, mb3.5/4, Northern Chile

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

ISC 24 12:44:40.1, 2.4, 14.97S, 173.51W, mb4.1/4, mb1 4.4/5, mb1mx4.0/14, ML3.3/9, MS3.6/9, Ms1 3.6/9, ms1mx3.4/20, Error ellipse: s-maj=78.7km s-min=46.7km az=11.0

NEIC 24 12:44:47.8, 1.1, 14.67S, 173.16W, h35km, mb4.2/4, Error ellipse: s-maj=32.5km s-min=23.5km az=65.0

ISC 24 12:44:48.5, 1.3, 14.65S, 172.72W, 0.2, h33km, n24, s048/16, mb4.0/10, MS3.6/8, Samoa Islands

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

STR 24 12:56:27.3, 0.4, 44.49Nk, 6.83E, h5km, 1km, M12.2, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

LDG 24 12:56:27.0, 1.4, 44.42Nk, 6.75E, h2km, M2.0/3, M12.3/5, Error ellipse: s-maj=2.0km s-min=1.3km az=81.0

ISC 24 12:56:26.8, 0.4, 44.41Nk, 0.02, 67.1E, 0.04, h16km, 4km, n13, s13/24, France

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like MBDF Montbardon, TOUF Mont Tournerai, TOUF L'Aution, etc.

JMA 24 13:00:59.7, 0.2, 26.47Nk, 128.90E, h33km, 3km, M3.1, ISC 24 13:01:00.4, 2.6, 26.33Nk, 128.75E, h14km, 21km, mb3.0/3, mb1 3.1/3, mb1mx3.1/17, Error ellipse: s-maj=61.9km s-min=25.4km az=39.0

ISC 24 12:56:26.8, 0.4, 44.41Nk, 0.02, 67.1E, 0.04, h16km, 4km, n13, s13/24, France

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like BMN Battle Mountain, WDC Whiskeytown Da, WUAJ Wupatki, etc.

ISC 24 12:56:26.8, 0.4, 44.41Nk, 0.02, 67.1E, 0.04, h16km, 4km, n13, s13/24, France

ISC 24 12:56:26.8, 0.4, 44.41Nk, 0.02, 67.1E, 0.04, h16km, 4km, n13, s13/24, France

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like CMCT Mckenzie Canyon, BOZ Bozeman (W), CHMT Chamberlain Mo, etc.

ISC 24 12:56:26.8, 0.4, 44.41Nk, 0.02, 67.1E, 0.04, h16km, 4km, n13, s13/24, France

ISC 24 12:56:26.8, 0.4, 44.41Nk, 0.02, 67.1E, 0.04, h16km, 4km, n13, s13/24, France

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like CN2 Changchun, NKC Novy Kostel, PVCC Pansk, PRU Pruhonic, etc.

STR 24 12:56:27.3, 0.4, 44.49Nk, 6.83E, h5km, 1km, M12.2, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

LDG 24 12:56:27.0, 1.4, 44.42Nk, 6.75E, h2km, M2.0/3, M12.3/5, Error ellipse: s-maj=2.0km s-min=1.3km az=81.0

ISC 24 12:56:26.8, 0.4, 44.41Nk, 0.02, 67.1E, 0.04, h16km, 4km, n13, s13/24, France

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like MBDF Montbardon, TOUF Mont Tournerai, TOUF L'Aution, etc.

JMA 24 13:00:59.7, 0.2, 26.47Nk, 128.90E, h33km, 3km, M3.1, ISC 24 13:01:00.4, 2.6, 26.33Nk, 128.75E, h14km, 21km, mb3.0/3, mb1 3.1/3, mb1mx3.1/17, Error ellipse: s-maj=61.9km s-min=25.4km az=39.0

ISC 24 12:56:26.8, 0.4, 44.41Nk, 0.02, 67.1E, 0.04, h16km, 4km, n13, s13/24, France

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





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BAIF Baives, BSEF Bad Segeberg, FLN La Foliniere, etc.

JMA 24 15:54:08.2, 0.1, 31.76N, 141.17E, M3.5, Southeast of Honshu. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC.

IDC 24 16:02:33.3, 14.0, 7.61S, 106.08E, h112km, 128km, mb3.4, mb1 3.6/4, mb1mx3/4/12. Error ellipse: s-maj=156.0km s-min=25.1km az=59.0, Jawa. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC.

PRU 24 16:33:18.4, 51.54N, 146.08E. WAR 24 16:33:18.8, 51.56N, 146.01E, ML2.7, Mining Induced. ISC 24 16:33:16.2, 1.2, 51.55N, 0.05, 16.04E, 0.06, n8, c1, 109/19, Poland. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Ostrava-Krasne, Novy Kostel, Kasperske Hory.

LDG 24 16:36:00.7, 0.1, 44.43N, 6.77E, h2km, Md2/2/1, M2, 3/6, Error ellipse: s-maj=2.0km s-min=1.2km az=82.0. STR 24 16:36:01.3, 0.6, 44.41N, 6.79E, h5km, 1km, M2, 1, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0. ISC 24 16:35:59.7, 0.5, 44.43N, 0.02, 6.74E, 0.05, h9km, 9km, n14, c0, 63/25, France.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Montbardon, Touff Mont Tournerai, Mvif Mont Vial, etc.

STR 24 16:38:48.6, 0.5, 44.46N, 6.83E, h5km, 1km, M2, 1, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0. LDG 24 16:38:48.5, 0.1, 44.43N, 6.80E, h2km, M2, 2/6, Error ellipse: s-maj=1.6km s-min=0.9km az=81.0. ISC 24 16:38:47.0, 4.4, 44.43N, 0.02, 6.76E, 0.05, h10km, 7km, n13, c0, 55/24, France.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Montbardon, Touff Mont Tournerai, Mvif Mont Vial, etc.

WEL 24 16:47:47.9, 0.5, 38.52S, 175.37E, h210km, 4km, ML3.5/3, 1C, Error ellipse: s-maj=6.1km s-min=5.3km az=0.0, North Island.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MGZ Maungaka, TWZ Taurewa, NGZ Ngaurohuo, etc.

HLW 24 17:28:55.2, 24.27N, 36.21E, h16km, Mb3.8, 1C, Red Sea. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC.

NEIC 24 17:41:57.2, 3.8, 17.41S, 178.80E, h597km, 45km, mb4.4/3, Error ellipse: s-maj=31.3km s-min=19.3km az=140.0. ISC 24 17:41:56.2, 0.7, 17.45S, 0.3, 178.8E, 0.2, h600km, n18, c0, 52/17, mb3.7/2C, Fiji Islands.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Arma Armidale, CTA Charters Tower, CTA Charters Tower, etc.

IDC 24 17:59:25.3, 0.6, 56.14S, 27.31W, h98km, 4km, mb4.3/6, mb1 4/6, mb1mx4/1/1, M3.5/4, M51 3.5/4, ms1mx3/3/12, Error ellipse: s-maj=20.9km s-min=15.5km az=48.0. NEIC 24 17:59:29.4, 1.6, 56.21S, 27.34W, h132km, 4km, mb4.8/16, Error ellipse: s-maj=8.0km s-min=6.3km az=53.0. ISC 24 17:59:25.0, 3.4, 56.14S, 0.08, 27.3W, 0.2, h105km, 32km, n8, c0, 83/26, mb4.7/18, 2C-1D, South Sandwich Islands region.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VNA1 Neumayer-Stat, VNA1 Neumayer-Stat, ERI East Falkland, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DBIC Dimbokro, OTAV Otavalo, SDV Santo Domingo, etc.

SONM 1.2nm,0.5s,baz=232,slow=2.8,SNR=4.1 PKPab PKPab 18 19 11.2 -2.2

NEIC 24 18:16:23.0,0.4,56.03N,160.56W,h153km,5km, Error ellipse: s-maj=21.3km s-min=3.8km az=147.0

ISC 24 18:18:22.1,0.6,52.00N,0.2,-160.6W,0.2,h160km,7km,n29, 0.076/33,mb3.4/6,Alaska Peninsula

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like BLHA, PVV, PN7A, HAG, etc.

NEIC 24 18:25:18.7,0.1,38.00S,176.50E,h5km,ML3.9(WEL), After WEL

WEL 24 18:25:18.7,0.1,38.00S,176.50E,h5km,ML3.9(10,6C,2D, Error ellipse: s-maj=1.1km s-min=1.0km az=90.0,MM 5., North Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like LIRZ, MKRZ, MARZ, etc.

NIED 24 18:54:00.26,50N,128.90E,h20km,Mw5.5 Best double couple: Mo1.83x1017 NP1=209, delta 53, lambda 109

BUI 24 18:54:55.7,26.45N,129.00E,h41km,mb5.6,mb5.3, Ms5.6,Ms5.5

JMA 24 18:54:56.2,0.2,26.47N,128.91E,h33km,4km,Ms5.9 JMA Fell II J1

HRVD 24 18:54:58.3,0.1,26.41N,128.83E,h19km,MW5.5/67, Centroid moment Tensor Solution. LP body waves:

SYO 24 18:54:58.2,26.49N,128.75E,h31km,MB5.5,MS5.2 IDC 24 18:54:58.9,0.4,26.54N,128.73E,h34km,1km,mb4.9/34

NEIC 24 18:54:58.3,0.9,26.49N,128.75E,h31km,mb5.5/100, MS5.2/2,MW5.5,MW5.5(NIED), Error ellipse: s-maj=3.9km

MOS 24 18:55:00.4,0.9,27.17N,128.70E,h33km,mb5.5, MS6.0/19 Error ellipse: s-maj=8.7km s-min=5.6km

ISC 24 18:54:57.7,0.1,26.53N,0.02,-128.82E,0.02,h37km, h37km,4km,pP-P,n56.0,r120/587,mb5.5/165,MS5.6/58, 39C-41D,Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes station JOW Kunigami.

JOW 11um,0.3s,baz=133,slow=17,SNR=47.4

JOW Kunigami 0.57 302 P P 18 55 09.2 -0.1

JOH Iheya 0.91 303 P S P 18 55 14.6 +0.5

JJT2 Tamagusuku 2 1.04 248 P S P 18 55 15.5 -0.4

JNT Naha 1.07 252 P S P 18 55 16.0 +0.6

JAGN Aguni-jima 1.42 273 P S P 18 55 15.1 +0.1

JKE Kume jima 2 1.84 264 P S P 18 55 19.7 +0.1

JAM Amami Oshima 2.00 200 P S P 18 55 27.2 -0.9

JZK Kikaishima 2.05 30 P S P 18 55 29.8 -0.6

JMZ Minamidaito 2 2.27 108 S S P 18 55 57.7 +0.8

JNN Nakanoshima 3.42 15 P S P 18 55 48.3 -1.7

JOGS Gusukube 3.55 241 P P P 18 55 50.6 -1.2

JMJ Miyako jima 2 3.61 243 P P P 18 55 51.2 -1.5

JJK Kuchinoerabu 4.10 17 P P P 18 55 57.6 -3.0

JTN Tanegashima 3 4.52 24 P P P 18 56 03.3 -2.3

JIS Ishigaki jima 4.75 244 P P P 18 56 04.9 -3.9

JKRS Kuro-shima 4.92 243 P P P 18 56 09.4 -3.6

HATJ Hateruma jima 5.17 243 P P P 18 56 11.4 -3.2

YOJ Yonaguni jima 5.64 250 P P P 18 56 18.0 -3.3

TATO Taipei 6.79 258 P P P 18 56 36.0 -1.5

JNU Nakatsu 6.81 15 Pn P 18 56 35.3 -2.4

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like JNU, SSE, SSS, etc.

MDJ 18 55 18.0 SCP 19 07 10.8

MDJ MDJ MDJ 18 55 09.2 -0.1 PCS 19 07 14.6

MDJ comp=N,6um,14.3s SCS ScS 19 10 52.0 +0.3

MDJ comp=E,1um,14.3s LR LR 18 55 15.5 -0.4

MDJ comp=Z,8um,15.9s LR LR 18 55 16.0 +0.6

MDJ comp=Z,123nm,1.8s 18.06 2 eP P 18 59 08.2 +0.8

SARN Sarigen 18.53 118 eS S 18 59 21.5

XIAN Xi'an 18.73 298 P P 18 59 10.8 -2.7

XAN Xian 18.73 298 PP PP 18 59 14.9 -0.8

XAN Xian 18.73 298 S S 18 59 31.4 -0.4

XAN Xian 18.73 298 SS SS 19 02 43.6 +3.8

XAN comp=Z,186nm,0.8s AMB AMB 19 03 03.9 -1.0

XAN comp=N,7um,13.0s LR LR 18 59 21.8 +5.6

XAN comp=E,9um,14.7s LR LR 18 59 23.2 -0.3

XAN comp=Z,17um,17.7s 18.73 298 P P 18 59 14.1 -1.6

XAN comp=Z,148nm,1.5s 18.73 298 P P 18 59 46.7 +7.1

XAN comp=Z,7um,13.0s 18.73 298 P P 18 59 18.6 -0.6

XAN comp=N,5um,20.0s 18.73 298 P P 18 59 26.3

XAN comp=E,4um,23.4s LR LR 18 59 34.0 -1.9

XAN comp=Z,7um,17.7s 18.73 298 P P 19 02 45.6 -0.6

XAN comp=Z,148nm,1.5s 18.73 298 P P 19 02 57.8

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

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

24x24 18h

2004 JUL

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Table of flight data for the left column, including routes like HIA Hailar, KUR Kuril'sk, and various destinations with flight numbers and times.

Table of flight data for the middle column, including routes like YAK Yakutsk, MA2 Magadan, and various destinations with flight numbers and times.

Table of flight data for the right column, including routes like HYB Hyderabad, YHB Hyderabad, and various destinations with flight numbers and times.



Table of astronomical observations for 24d 19h, listing stations like HAWA, NEW, and WLF with their respective coordinates and observation times.

Table of astronomical observations for 2004 JUL, listing stations like WLF, EKA, SAO, and CMB with their respective coordinates and observation times.

Table of astronomical observations for 2004 JUL, listing stations like NLU, DAU, and MAPU with their respective coordinates and observation times.

CSEM 24 19:00:54.5, 35.19N-23.32E, h2km, mb4.5
BUJ 24 19:00:55.4, 36.02N-23.17E, h15km, mb4.9
IDC 24 19:00:55.6, 0.7, 35.44N-23.66E, mb4.6/2.1, mb1 4.7/29, mb1mx4.7/34, ML4.2/8, MS3.8/4, Ms1 3.8/4, ms1mx3.6/29, Error ellipse: s-maj=16.8km s-min=8.3km az=17.0
HRVD 24 19:00:56.1, 1.1, 35.78N-23.47E, h12km, MW4.8/30, Centroid moment Tensor Solution. LP body waves: s6,c7; Mantle waves: s3,0,c4; Half duration: 0 Moment tensor: Scale 10^19Nm; Mr-1.15; 12: Mw0.0E; 12: Ms; 1.15; 09; Ms 1.28; 55; Mw-0.71; 09; Mr-0.08; 39; Best double couple: M1.84x10^16 NP1.9s181; s39; lambda-38; NP2: Azm55; N-34, Plg30; Azm316; P-2.01, Plg55; Azm169; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
MED\_RC 24 19:00:56.1, 35.37N-23.59E, h11km, mb4.6/83, ML4.7(7E), ML4.3(ATH), ATH.ATH.
NEIC 24 19:00:56.1, 35.37N-23.59E, h11km, mb4.6/83, ML4.7(7E), ML4.3(ATH), ATH.ATH.
NEIC Felt at Chania.
ZUR\_RM 24 19:00:56.3, 37N-23.59E, h9km, Mw4.7/25, Moment Tensor Solution. s25 Moment tensor: Scale 10^19Nm; Mr-1.40; Mw0.16; Ms1.23; Mw0.11; Mw-0.61; Mw-0.02; Mr-0.45; 02; Mw-0.00; 09; Best double couple: M1.46x10^16 NP1.3s23; s36; lambda-96; NP2.0s160; s44; lambda-84; Principal axes: T 1.513, Plg17, Azm65; N-111, Plg4, Azm335; P-1.403, Plg86, Azm173;
ATH 24 19:00:56.1, 35.37N-23.59E, h11km, 3km, MD4.4/18, ML4.3
THE 24 19:00:57.5, 35.35N-23.67E, h10km, ML4.7 PDG 24 19:00:59.7, 0.2, 35.28N-22.02E, h9km, 1km

MOS 24 19:00:59.0,1.2,35.42N-23.47E,h33km,mb4.8/15,Error ellipse: s-maj=10.1km s-min=3.9km az=93.7 NIC 24 19:01:01.9,0.5,35.48N-23.91E,h25km,mb5.0,ML4.5,MW3.9

ISK 24 19:01:37.7,36.71N-26.52E,h34km,MD4.0,ML4.0 ISC 24 19:00:53.8-0.6,35.29N,0.02-23.52E,0.02,h1km,4km,n424,r138/473,mb4.8/77,MS3.7/2,28C-7D,Crete

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, Res. Rows include VAM, GVD, KYTH, etc.

Table with columns: MRLC, PRD, BRY, etc. Rows include Muro Lucano, Provadia, Bratogost, etc.

Table with columns: FUR, MBD, WET, etc. Rows include Furstfeldbrunn, Montsharden, Wetzell, etc.

24d 19h

Table with columns for station name, coordinates, elevation, and other parameters. Includes stations like VIEF, LABF, LAC, LFF, VOR, etc.

2004 JUL

Table with columns for station name, coordinates, elevation, and other parameters. Includes stations like ARCES, BRVK, CHKZ, DBIC, etc.

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Table with columns for station name, coordinates, elevation, and other parameters. Includes stations like BW06, ISCO, KSWY, etc.

NIED 24 19:51:00.26.50N;128.90E,h20km,Mw3.8 Best double couple: M6.53x1014 NP1=87°,879°,λ-47°. NP2=188°,844°,λ-164°.

JMA 24 19:51:17.1±0.2,26.46N;128.90E,h33km;3km,M3.5 NEIC 24 19:51:17.9±2.6,26.46N;128.81E,h18km;13km,Mb4.2/2. Error ellipse: s-maj=22.0km s-min=17.1km az=116.0.

ISC 24 19:51:20.4±0.8,26.48N;128.64E,h31km;4km,Mb3.5/9. m1 3.5/10, m2 1m3x3.4/21, ML3.3/1. Error ellipse: s-maj=29.9km s-min=11.8km az=57.0.

ISC 24 19:51:15.8±0.9,26.41N;128.92E;0.04,h23km;7km,h33km;9km;pP-p,n33,σ1901/41,m3.6/10,Ryukyuu Islands

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JOW, JAGN, JKE, etc.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JKRS, JNU, ASAJ, YSS, SONM, MKAR, MKAR, MKAR, KURK, ASAR, ASAR, BVAR, BVAR, BRVK, BRVK, ARCES, ARCES, FINES, FINES, AKASG, AKASG, BRTR, BRTR, HFS, HFS, HFS, HFS, NOA, NOA.

IDC 24 19:55:52.7, 38.28N, 31.31E, h5km, MD3.5
ISC 24 19:55:55.2, 1.9, 38.51N, 31.59E, mb3.3/2, mb1 3.4/5, mb1mx3.3/20, ML3.4/2, Error ellipse: s-maj=24.3km

s-min=15.3km az=161.0
ISC 24 19:55:53.9, 0.5, 38.32N, 30.41E, h5km, n23, c191/11, mb3.2/3, C, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KIZT, ESKT, ESKT, ESKT, ALT, ISL, KONT, KHL, LOD, MDU, SGKT, SGKT, KAMT, BRTR, BRTR, BRTR, ULDT, ULDT, MANT, MANT, YLV, YLV, ELDT, ELL, HRT, HRT, BND, BND, IDI, IDI, MLR, MLR, MLR, FINES, FINES, MKAR, MKAR.

NEIC 24 20:04:29.8, 35.38N, 23.57E, h5km, MD3.5(ATH), After ATH

ATH 24 20:04:29.8, 35.38N, 23.57E, h5km, MD3.5/7
THE 24 20:04:31.2, 35.34N, 23.67E, h10km
ISC 24 20:04:29.4, 1.1, 35.30N, 0.07, 23.61E, h5km, n12, c1921/15, C, Crete

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like VAM, VAM, VLS, VLS, XRY, XRY, THRE, THRE, THRE, THRE, THRE, THRE, SANT, SANT, ITM, ITM, APE, APE, EVR, EVR.

NEIC 24 20:06:00.6, 2.7, 14.72N, 92.66W, h151km, 31km, mb3.9/3, Error ellipse: s-maj=49.2km s-min=13.8km az=52.0

IDC 24 20:06:02.0, 5.0, 15.08N, 92.50W, h139km, 84km, mb3.3/4, mb1 3.7/6, mb1mx3.3/21, Error ellipse: s-maj=152.0km

s-min=43.6km az=32.0
ISC 24 20:06:00.5, 3.0, 39.0N, 0.3, 92.6W, 0.3, h169km, 34km, n14, c191/14, mb3.6/5, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JTS, JTS, SDCO, SDCO, WUAZ, WUAZ, PDAR, PDAR, NVAR, NVAR, YKA, YKA, YKA, YKA, INUK, INUK, INUK, INUK.

IDC 24 20:51:05.5, 1.6, 37.15N, 21.79E, mb3.7/6, mb1 3.6/11, mb1mx3.5/26, ML3.3/4, Error ellipse: s-maj=31.4km s-min=15.4km az=37.0

NEIC 24 20:51:09.3, 37.17N, 21.58E, h18km, ML3.4(ATH), After ATH

ATH 24 20:51:09.3, 37.17N, 21.59E, h19km, 3km, MD3.7/8, ML3.4
THE 24 20:51:10.6, 37.18N, 21.61E, h7km, ML3.7
MOS 24 20:51:12.7, 0.9, 37.55N, 21.64E, h33km, mb3.7/6, Error ellipse: s-maj=26.6km s-min=12.9km az=89.5

ISC 24 20:51:08.4, 1.2, 37.15N, 0.04, 21.58E, 0.04, h6km, 9km, n47, c1907/56, mb3.6/6, C, Southern Greece

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ITM, VLI, VLS, VLS, LKO, LKO, EVR, EVR, ATH, ATH, AGG, AGG, PTL, PTL, NEO, NEO, JANI, JANI, IGT, IGT, IGT, IGT, KEK, KEK, LIT, LIT, LIT, LIT, THRS, THRS, THRS, THRS, PAIG, PAIG, IDI, IDI, FNA, FNA, FNA, FNA, GUR, GUR, SOH, SOH, KNT, KNT, SRS, SRS, PZI, PZI, SLCN, SLCN, VAE, VAE, VAE, VAE, MLE, MLE, SGO, SGO, SGO, SGO, BRTR, BRTR, GERES, GERES, AKASG, AKASG, HFS, HFS, HFS, HFS, HFS, HFS, FINES, FINES, FINES, FINES, EKA, EKA, EKA, EKA, NB2, NB2, NOA, NOA, NOA, NOA, KAF, KAF, ARCES, ARCES, ARCES, ARCES, MKAR, MKAR, MKAR, MKAR, MKAR, MKAR.

IDC 24 20:51:05.5, 1.6, 37.15N, 21.79E, mb3.7/6, mb1 3.6/11, mb1mx3.5/26, ML3.3/4, Error ellipse: s-maj=31.4km s-min=15.4km az=37.0

NEIC 24 20:51:09.3, 37.17N, 21.58E, h18km, ML3.4(ATH), After ATH

ATH 24 20:51:09.3, 37.17N, 21.59E, h19km, 3km, MD3.7/8, ML3.4
THE 24 20:51:10.6, 37.18N, 21.61E, h7km, ML3.7
MOS 24 20:51:12.7, 0.9, 37.55N, 21.64E, h33km, mb3.7/6, Error ellipse: s-maj=26.6km s-min=12.9km az=89.5

ISC 24 20:51:08.4, 1.2, 37.15N, 0.04, 21.58E, 0.04, h6km, 9km, n47, c1907/56, mb3.6/6, C, Southern Greece

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ITM, VLI, VLS, VLS, LKO, LKO, EVR, EVR, ATH, ATH, AGG, AGG, PTL, PTL, NEO, NEO, JANI, JANI, IGT, IGT, IGT, IGT, KEK, KEK, LIT, LIT, LIT, LIT, THRS, THRS, THRS, THRS, PAIG, PAIG, IDI, IDI, FNA, FNA, FNA, FNA, GUR, GUR, SOH, SOH, KNT, KNT, SRS, SRS, PZI, PZI, SLCN, SLCN, VAE, VAE, VAE, VAE, MLE, MLE, SGO, SGO, SGO, SGO, BRTR, BRTR, GERES, GERES, AKASG, AKASG, HFS, HFS, HFS, HFS, HFS, HFS, FINES, FINES, FINES, FINES, EKA, EKA, EKA, EKA, NB2, NB2, NOA, NOA, NOA, NOA, KAF, KAF, ARCES, ARCES, ARCES, ARCES, MKAR, MKAR, MKAR, MKAR, MKAR, MKAR.

IDC 24 21:02:52.3, 1.4, 5.56S, 133.31E, mb4.0/3, mb1 4.2/4, mb1mx3.9/10, ML3.3/7, Error ellipse: s-maj=131.0km s-min=24.7km az=69.0

NEIC 24 21:02:57.3, 2.0, 5.65S, 133.34E, h38km, 21km, mb4.3/7, Error ellipse: s-maj=19.4km s-min=13.4km az=80.0

ISC 24 21:02:54.9, 0.6, 5.67S, 0.06, 133.3E, 0.1, h33km, n16, c094/16, mb4.2/9, ARU Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like WB2, WB2, FITZ, FITZ, FITZ, FITZ, ASAR, ASAR, CTAO, CTAO, GUMTO, GUMTO, FORT, FORT, STKA, STKA, STKA, STKA, MAJO, MAJO, MKAR, MKAR, KURK, KURK, BVAR, BVAR, BRVK, BRVK, CHKZ, CHKZ, ARU, ARU, LPAZ, LPAZ.

NEIC 24 21:03:01.9, 44.41N, 6.76E, h5km, ML3.0(LDG), ML2.9(GEN), ML2.7(STP), After GEN

LDG 24 21:03:02.5, 0.1, 44.45N, 6.85E, h2km, ML3.0/8, Error ellipse: s-maj=1.9km s-min=1.1km az=65.0

STR 24 21:03:03.8, 0.4, 44.38N, 6.85E, h5km, 1km, ML2.7, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

ISC 24 21:03:01.7, 0.3, 44.42N, 0.01, 6.80E, 0.02, h12km, 2km, n42, c095/973, France

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PZZ, PZZ, MBDF, MBDF, MBDF, MBDF.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DOI, DOI, OG22, OG22, STV, STV, STV, STV, ENR, ENR, ENR, ENR, TOUN, TOUN, BHB, BHB, BHB, BHB, MVI, MVI, MVI, MVI, AUTN, AUTN, AUTN, AUTN, CALN, CALN, CALN, CALN, AURF, AURF, AURF, AURF, SAOF, SAOF, SAOF, SAOF, RSP, RSP, RSP, RSP, ORIF, ORIF, ORIF, ORIF, FRF, FRF, FRF, FRF, IMI, IMI, IMI, IMI, RORO, RORO, RORO, RORO, SMRF, SMRF, SMRF, SMRF, FIN, FIN, FIN, FIN, LSG, LSG, LSG, LSG, OCF, OCF, OCF, OCF, OG26, OG26, LPL, LPL, LPL, LPL, LMR, LMR, LMR, LMR, SGO, SGO, SGO, SGO, BRTR, BRTR, BRTR, BRTR, GERES, GERES, AKASG, AKASG, HFS, HFS, HFS, HFS, HFS, HFS, FINES, FINES, FINES, FINES, EKA, EKA, EKA, EKA, NB2, NB2, NOA, NOA, NOA, NOA, KAF, KAF, ARCES, ARCES, ARCES, ARCES, MKAR, MKAR, MKAR, MKAR, MKAR, MKAR.

NEIC 24 21:03:40.2, 44.42N, 6.79E, h6km, ML3.4(GEN), ML3.3(LDG), ML2.9(STP), After GEN

LDG 24 21:03:41.5, 0.1, 44.38N, 6.81E, h2km, MD3.1/1, M13.3/26, Error ellipse: s-maj=2.2km s-min=1.6km az=60.0

STR 24 21:03:43.2, 0.4, 44.34N, 6.88E, h5km, 1km, ML2.9, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

ISC 24 21:03:38.8, 0.2, 44.44N, 0.01, 6.74E, 0.02, h8km, 2km, n66, c1929/134, France

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PZZ, PZZ, MBDF, MBDF, MBDF, MBDF, DOI, DOI, STV, STV, STV, STV, OG26, OG26, RRL, RRL, ENR, ENR, BHB, BHB, BHB, BHB, MVI, MVI, MVI, MVI, MVI, MVI, AUTN, AUTN, AUTN, AUTN, CALN, CALN, CALN, CALN, AURF, AURF, AURF, AURF, SAOF, SAOF, SAOF, SAOF, RSP, RSP, RSP, RSP, ORIF, ORIF, ORIF, ORIF, RSP, RSP, RSP, RSP, MONE, MONE, MONE, MONE, ROB, ROB, ROB, ROB, REV, REV, REV, REV, FRF, FRF, FRF, FRF, SMRF, SMRF, SMRF, SMRF, IMI, IMI, IMI, IMI, RORO, RORO, RORO, RORO, OCF, OCF, OCF, OCF, OG26, OG26, LSG, LSG, LSG, LSG, LPL, LPL, LPL, LPL, LPL, LPL, FIN, FIN, FIN, FIN, INUK, INUK, INUK, INUK, MBDF, MBDF, MBDF, MBDF, TRAV, TRAV, PCP, PCP.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC. Includes stations like ORO, ORX, VIVF, etc.

LDG 24 21:11:25.0.0.4, 46.09N.3.17E, h16km, Md2.7/3, M2.5/17, Error ellipse: s-maj=1.0km s-min=0.8km az=116.7, STR 24 21:11:26.0.0.3, 46.03N.3.21E, h9km, 1km, M2.7, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0, NEIC 24 21:11:26.0.4, 46.08N.0.02-3.20E.0.04, h16km, n25, 1504/53, France

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

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

LDG 24 21:15:09.6.0.1, 45.93N.2.78E, h3km, Md1.5/2, M1.5/5, Error ellipse: s-maj=2.4km s-min=1.3km az=117.0, STR 24 21:15:10.2.0.2, 45.94N.2.79E, h5km, 1km, M1.5, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0, ISC 24 21:15:08.7.0.5, 45.95N.0.03-2.76E.0.05, h13km, g4km, n10, 0591/20, France

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

NEIC 24 21:28:36.6, 39.57N.23.68E, h2km, ML3.6(TH), After THE, ML3.6(ATH), After THE, THE 24 21:28:36.6, 39.57N.23.68E, h1km, ML3.5, ATH 24 21:28:36.1, 39.56N.23.76E, h2km, 5km, ML3.6, STR 24 21:28:33.0, 40.32N.24.02E, h2km, MD3.7, ISC 24 21:28:36.6.0.5, 39.55N.0.02-23.71E.0.04, h16km, g6km, n50, 1506/64, 1C, Aegean Sea

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

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

NEIC 24 21:29:30.5, 39.59N.23.70E, h16km, ML3.5(TH), After THE, THE 24 21:29:30.5, 39.59N.23.70E, h15km, ML3.5, ISC 24 21:29:29.2.0.7, 39.57N.0.03-23.73E.0.05, h13km, 5km, n14, 0592/23, Aegean Sea

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

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

LDG 24 21:30:12.8.0.1, 44.43N.6.80E, h2km, Md1.9/1, M2.0/6, Error ellipse: s-maj=1.6km s-min=0.8km az=82.0, STR 24 21:30:13.0.0.7, 44.44N.6.81E, h5km, 1km, M2.0, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0, ISC 24 21:30:11.9.0.4, 44.43N.0.02-6.74E.0.05, h2km, gkm, n15, 0564/27, France

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

NEIC 24 21:35:36.7, 35.90N.27.06E, h30km, MD3.5(ATH), After ATH, ATH 24 21:35:36.7, 35.90N.27.06E, h30km, 3km, MD3.5/4, ISC 24 21:35:37.9, 36.94N.27.64E, h5km, MD3.5, ML3.6, ISC 24 21:35:39.0.0.3, 36.99N.0.03-27.65E.0.03, h7km, 5km, n24, 0584/35, 2C, Dodecanese Islands

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

CASC 24 21:44:58.9.2.0, 10.67N.87.14W, h34km, 32km, MD3.6, ML3.0, 1C-1D, Off coast of Costa Rica

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

NEIC 24 21:59:13.8, 39.56N.23.74E, h20km, M2.2(ATH), After ATH, ATH 24 21:59:13.8, 39.56N.23.74E, h20km, 7km, MD3.4/7, ML3.2, THE 24 21:59:14.8, 39.60N.23.69E, h10km, ML3.2, ISC 24 21:59:14.3.0.5, 39.54N.0.03-23.71E.0.06, h20km, n21, 0505/29, Aegean Sea

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



25d 0h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BVAR, BRVK, CHKZ, etc.

NIED 24:22:56:00.42.50N.139.10E, h11km, Mw3.6 Best double couple: M2.78x10^14 NP1:phi=220°, delta=129°.

JMA 24:22:56:31.61.0.1, 42.53N-139.09E, h27kmx2km, M3.6 ISC 24:22:56:31.0.1.8, 42.57N-139.1E, 0.1, h27kmx7km, m8, phi=50/15, 5D, Hokkaido region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JOSH, JOSM, JSH, etc.

HEL 24:23:14:26.4.0.1, 67.85N-20.21E, ML2.0, ML1.8(BER), ML2.1(NAO), Explosion

BER 24:23:14:27.3.3.2, 67.82N-20.11E, ML1.8, ML2.1(NAO), Suspected explosion

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

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

NIED 25:00:04:00.22.80N-120.60E, h8km, Mw3.6 Best double couple: M3.1x10^14 NP1:phi=273°, delta=104°.

JMA 25:00:04:18.4.0.4, 22.81N-120.64E, h73km, M3.5 TAP 25:00:04:19.0, 23.09N-120.71E, h4km, ML3.9

FITZ Felli III at Tauyuan, II J at Dapu, III J at Jiashan, ISC 25:00:04:20.7.0.2, 23.10N-120.73E, 0.2, h7kmx2km, phi=56, phi=19/102, 6C-6D, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like STYT, WTP, CHN1, etc.

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

INMG 25 00:07:36.1 ± 1.1, 3.42, 65N-9.43W, h21km, 5km, ML2.2, Error ellipse: s-maj=8.1km s-min=4.0km az=128.0, MDD 25 00:07:35.5 ± 1.1, 42.66N-9.44W, h26km, 4km, mbLg2.0/3, 2C-1D, Error ellipse: s-maj=9.6km s-min=4.9km az=114.0, PRXIMO, Spain

Main table of station data for the first section, including stations like Santiago, Zamans, Lobios, etc.

TIR 25 00:13:43.4, 42.36N-19.38E, h21km PDG 25 00:13:44.5 ± 0.2, 42.38N-19.37E, h21km ISC 25 00:13:45.0 ± 0.5, 42.35N-19.39E, 0.03, h21km, 6km, n14, ±194/23, 3C-7D, Northwestern Balkan Peninsula

Table of station data for the second section, including stations like Podgorica, Brajci-Budva, etc.

Table of station data for the third section, including stations like Herceg Novi, Lac, Bratogost, etc.

IDC 25 00:23:48.5 ± 0.7, 19.97S-70.38W, mb4.0/11, mb1.4/3/13, mb1mx3.3/15, ML4.5/2, MS3.7/6, Ms1.3.7/6, ms1mx3.5/16, Error ellipse: s-maj=27.7km s-min=13.1km az=66.0, NEIC 25 00:23:54.0 ± 1.0, 20.04S-70.50W, h41km, 9km, mb4.6/12, Error ellipse: s-maj=13.6km s-min=6.9km az=68.0, ISC 25 00:23:52.4 ± 1.0, 19.93S-0.0670.1W, h42km, 10km, n43, ±113/41, mb4.4/20, MS3.8/4, 1C, Near coast of northern Chile

Main table of station data for the third section, including stations like Limon Verde, Arequipa, Lima, etc.

CAS 25 01:11:49.0 ± 2.4, 11.80N-86.31W, h147km, 12km, MD3.6 ISC 25 01:11:49.0 ± 1.2, 11.80N-86.31W, 0.1, h147km, 10km, n18, ±098/27, 1C-3D, Near coast of Nicaragua

Table of station data for the fourth section, including stations like Ticuantepe, XAVIN, etc.

MEX 25 01:31:11.1 ± 1.2, 16.59N-94.19W, h108km, 23km, MD3.6, Oaxaca

Table of station data for the fourth section, including stations like Matias Romero, Huatulco, etc.

THE 25 01:48:37.6, 38.77N-21.58E, h10km, ML2.5 AT 25 01:48:37.6, 38.87N-21.48E, h2km, MD3.1/4 ISC 25 01:48:38.3 ± 0.7, 38.87N-0.05-21.45E-0.07, h2km, n12, ±096/16, Greece

Table of station data for the fifth section, including stations like Evrytania, Levkas, etc.

KISR 25 01:55:18.4 ± 0.8, 32.58N-50.00E, ML3.2 IDC 25 01:55:19.9 ± 0.5, 32.65N-49.90E, mb3.6/7, mb1.3/7.9, mb1mx3.6/21, ML3.2/2, Error ellipse: s-maj=98.6km s-min=28.8km az=102.0, SNSN 25 01:56:05.1, 30.06N-47.23E, ISC 25 01:55:20.6 ± 1.0, 32.75N-0.06-49.7E-0.2, h10km, n16, ±126/17, mb3.5, Western Iran

Main table of station data for the fifth section, including stations like Mutribah, Umm Al-Rimman, etc.

WEL 25 02:04:56.4 ± 0.1, 38.03S-176.49E, h5km, ML3.5/6, 5C-2D, Error ellipse: s-maj=0.6km s-min=0.5km az=90.0, North Island

Main table of station data for the sixth section, including stations like Lichensteins R, Makaiti, etc.

LEDBW 25 02:46:27.6 ± 0.2, 47.93N-7.49E, h6km, 5km, ML2.0, Error ellipse: s-maj=6.0km s-min=4.0km az=30.0, STR 25 02:46:27.0 ± 0.2, 47.94N-7.47E, h10km, 1km, M12.0, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0, BGR 25 02:46:27.8 ± 0.2, 47.94N-7.49E, h5km, ML1.9/2, Error ellipse: s-maj=2.2km s-min=1.1km az=166.0, LDG 25 02:46:27.9 ± 0.2, 47.95N-7.47E, h9km, M2.7/1, M12.4/15, Error ellipse: s-maj=0.9km s-min=0.6km az=150.0, PRU 25 02:46:25.9 ± 0.2, 47.99N-8.88E, Error ellipse: s-maj=1.0km s-min=0.7km az=150.0, ±182/105, 8C-4D, Switzerland

Main table of station data for the seventh section, including stations like Molkenrain, Limburg, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, H m s, I SC. Includes stations like HAU Haudompre, BFO Black Forest, BFO Black Forest, etc.

NEIC 25 02:47:55.7, 31.54S:69.03W, h150km, MD3.3(GUC), After GUC.

GUC 25 02:47:55.7±0.8, 31.54S:69.03W, h150km, MD3.3, ML3.5, 4C-4D, San Juan Province

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, H m s, I SC. Includes stations like JACH Jahuel, TLL Tololo Astrono, PCH Papudo, etc.

NEIC 25 02:56:37.9±0.3, 20.27S:178.64W, h586km, 35km, mb4.0/6, Error ellipse: s-maj=20.2km s-min=16.7km az=169.0

IDC 25 02:56:39.4±0.2, 20.32S:178.66W, h602km, 40km, mb3.2/10, mb1.3/5.11, mb1mx3.4/15, Error ellipse: s-maj=29.3km s-min=19.6km az=168.0

ISC 25 02:56:34.9±0.5, 20.3S:178.6W±0.2, h559km, 59km, n31, 0591/19, mb3.7/15, 2C, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, H m s, I SC. Includes stations like URZ Urewera, CTA Charters Tower, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, H m s, I SC. Includes stations like CTAO Charters Tower, STKA Stephens Creek, WB2 Warramunga Arr, etc.

IDC 25 03:14:48.1±0.5, 17S:151.74E, h140km, 63km, mb3.4/4, mb1.3/4.5, mb1mx3.1/12, Error ellipse: s-maj=69.5km s-min=47.2km az=155.0, New Britain region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, H m s, I SC. Includes stations like PMG Port Moresby, PMG Port Moresby, SONMI Sogino Array, etc.

ISK 25 03:15:00.4, 37.57N:32.89E, h5km, MD3.7, NEIC 25 03:15:01.2, 37.79N:32.68E, h36km, ML3.4(NIC), After NIC.

NIC 25 03:15:01.2±0.4, 37.79N:32.68E, h36km, ML3.4, MW3.3, ISC 25 03:15:01.9±0.3, 37.58N:0.02-32.90E±0.04, h5km, n33, 0598/46, 3C-4D, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, H m s, I SC. Includes stations like KONT Konya-Tatoy, HDMB Hadim, NIG Nigde, etc.

ALFC Alfalfa, ALFC Alfalfa, LEF Lefka, ESKT Eskisehir, ESKT Eskisehir, etc.

ELMALI Elmali, AKMC Akamas, CSS Prodromos, CSS Prodromos, etc.

ALT Altintas, PCH Paphos, PHNC Paralimni, PHNC Paralimni, etc.

SHZAC Souni-Zanaja, SZAC Szak, COBT Iskenderun, COBT Iskenderun, etc.

SGKT Sivrigonyuk, SGKT Sivrigonyuk, CANKIRI Cankiri, MDU Mudurnu, etc.

TOS Tosya, SAFT Safiranbolu, YER Yerkisik, etc.

IDC 25 03:21:02.3±0.8, 54.26N:35.11W, mb6.3/15, mb1.3/9.15, mb1mx3.2/24, MS3.4/12, MS1.3/12, ms1mx3.2/24, Error ellipse: s-maj=25.7km s-min=14.0km az=176.0

NEIC 25 03:21:03.7±0.3, 54.26N:35.11W, h10km, mb4.4/7, Error ellipse: s-maj=9.5km s-min=4.5km az=190.0

ISC 25 03:21:02.1±0.5, 54.27N:0.10±35.11W±0.09, h10km, n40, 0557/34, mb3.9/21, MS3.3/10, Reykjanes Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, H m s, I SC. Includes stations like SCHQ Schefferville, SCHQ Schefferville, SCHQ Schefferville, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, H m s, I SC. Includes stations like ROSF Rostrenen, QUIF Quistin, SGFM Saint Gilles, etc.

LEDBW 25 03:25:08.2±0.1, 47.93N:7.50E, h6km, 2km, ML1.8, Error ellipse: s-maj=2.0km s-min=2.0km az=4.0

STR 25 03:25:08.1±0.2, 47.95N:7.46E, h10km, 1km, M11.6, Error ellipse: s-maj=0.0km s-min=0.0km az=11.0

LDG 25 03:25:08.3±0.1, 47.95N:7.46E, h10km, M2.1/1, M2.0/1/1, Error ellipse: s-maj=1.4km s-min=0.8km az=110.0

BGR 25 03:25:08.8±0.3, 47.94N:7.46E, h8km, ML1.3/1, TC, Error ellipse: s-maj=3.3km s-min=2.2km az=173.0, Switzerland

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, H m s, I SC. Includes stations like LIMBURG Limburg, MOF Molkenrain, MOF Molkenrain, etc.

WLS Welschbruch, WLS Welschbruch, CDF Champ du Feu, CDF Champ du Feu, etc.

BFO Black Forest, BFO Black Forest, BFO Black Forest, etc.

LOMF Lomont, LOMF Lomont, HAU Haudompre, HAU Haudompre, etc.

REFRY Refroy, REFRY Refroy, REFRY Refroy, etc.

CABF La Chapelle, CABF La Chapelle, CABF La Chapelle, etc.

MAIZIERES Maizieres J'vi, MAIZIERES Maizieres J'vi, MAIZIERES Maizieres J'vi, etc.

REFRY Refroy, REFRY Refroy, REFRY Refroy, etc.

CABF La Chapelle, CABF La Chapelle, CABF La Chapelle, etc.

MEZSF Maizieres J'vi, MEZSF Maizieres J'vi, MEZSF Maizieres J'vi, etc.

REFRY Refroy, REFRY Refroy, REFRY Refroy, etc.

CABF La Chapelle, CABF La Chapelle, CABF La Chapelle, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, H m s, I SC. Includes stations like REFRY Refroy, REFRY Refroy, REFRY Refroy, etc.



Table with columns: BKZ, Black Stump Fm, 1.15 93 PN, P, 06 56 56.7 -0.8, etc. Lists various stations and their coordinates.

MAN 25 08:07:10.7, 6.54N, 124.93E, h39km, mb4.6, ML3.5, MS3.4, 1D, Mindanao

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

NEIC 25 07:47:39.0, 36.91N, 11.05W, MN2.6(MDD), After MDD. INMG 25 07:47:41.4, 0.9, 36.73N, 10.93W, h5km, ML1.9, Error ellipse: s-maj=8.1km, s-min=4.3km, az=92.0

MDD 25 07:47:39.0, 2.2, 36.68N, 11.28W, h75km, 71km, mb3.2/8, Error ellipse: s-maj=23.5km, s-min=15.2km, az=75.0, PRXIMO, Azores-Cape St. Vincent Ridge

Large table listing stations and their coordinates for the NEIC and MDD events, including stations like Sao Teotonio, Loures, Beja, etc.

Table for 2C, Mindanao event, listing stations like BUKP, BUKP, CCGP, etc.

MAN 25 08:21:54.5, 7.80N, 124.61E, h1km, mb4.6, ML3.5, MS3.4, ISC 25 08:21:54.9, 0.4, 7.78N, 124.62E, 0.02, h1km, n22, az=106/35, 3C-6D, Mindanao

Table listing stations and their coordinates for the 2C event, including stations like BUKP, COTBATO-PC H, CAGAYAN DE ORO, etc.

IDC 25 08:22:30.4, 14.0, 18.53S, 179.90E, mb3.9/4, mb1 4.3/4, mb1mx4.0/11, Error ellipse: s-maj=455.0km, s-min=128.0km, az=35.0

ISC 25 08:23:29.1, 2.0, 16.9S, 179.0W, 0.4, h450km, n6, az=047/6, mb3.5/4, F, Fiji Islands region

Table listing stations and their coordinates for the IDC and ISC events, including stations like WBR2, FITZ, etc.

ISC 25 08:51:08.1, 38.36N, 39.21E, h4km, MD4.0, ML4.0, IDC 25 08:51:09.2, 1.3, 38.45N, 39.19E, mb3.5/4, mb1 3.8/9, mb1mx3.6/22, ML3.7/5, MS3.3/5, M1 3.3/5, 1mx3.0/18, Error ellipse: s-maj=19.8km, s-min=16.9km, az=5.0

NEIC 25 08:51:10.5, 0.6, 38.40N, 39.21E, h10km, Error ellipse: s-maj=12.3km, s-min=7.8km, az=156.0

ISC 25 08:51:08.4, 0.3, 38.36N, 39.23E, 0.02, h4km, n50, az=096/65, mb3.4/4, MS3.1/3, 1C, Turkey

Large table listing stations and their coordinates for the ISC and NEIC events, including stations like ELZG, MALTA, etc.

Table listing stations and their coordinates for the MLR event, including stations like MLR, MLR, AKASG, etc.

IGIL 25 08:54:19.2, 42.50N, 8.10W, h0km, ML3.0, INMG 25 08:54:24.4, 1.4, 42.44N, 8.12W, h21km, 9km, ML3.3, Error ellipse: s-maj=2.6km, s-min=2.1km, az=101.0

NEIC 25 08:54:24.2, 42.43N, 8.16W, h16km, ML3.3(LDG), MN3.4(MDD), After MDD. NEIC Felt [I] at Beariz, Boboras and Carballino. LDG 25 08:54:24.1, 0.2, 42.43N, 8.15W, h10km, Md4.0/1, M3.3/16, Error ellipse: s-maj=4.7km, s-min=2.3km, az=111.0

MDD 25 08:54:24.2, 0.2, 42.43N, 8.16W, h16km, 9km, mbLg3.4/19, 3C-4D, Error ellipse: s-maj=2.5km, s-min=2.3km, az=116.0, PRXIMO, Spain

Large table listing stations and their coordinates for the IGIL, NEIC, and MDD events, including stations like EZAM, EZAM, STS, etc.



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries like PBEJ Beja, EMIN Mina Concepcio, ETOR Torete, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries like KMBO Kilima Mbogo, CMAR Chang Mai Arr, FITZ Fitzroy Crossi, etc.

Station information for IDC 25 09:57:49.0, 35.23N-71.47E, mb3.8/3, mb1 3.7/5, mb1mx3.4/20, ML3.4/2, Error ellipse: s-maj=157.0km, s-min=36.4km az=146.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries like AML Amayashu, UCH Uchir, KZA Karayay Arr, etc.

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

Station information for NEIC 25 09:59:13.9, 44.41N-6.78E, h3km, ML2.8(GEN), ML2.7(LDG), After GEN, STR 25 09:59:14.4, 40.3, 44.42N-6.81E, h5km, 1km, ML2.5, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes entries like PZZ Prazzo, MBDF Montbardon, DOI San Damiano, etc.

Station information for IDC 25 08:58:17.2, 0.8, 11.75S-66.11E, mb4.1/13, mb1 4.2/13, mb1mx4.1/17, MS3.4/1, Ms1 3.6/1, ms1mx2.8/20, Error ellipse: s-maj=28.7km s-min=19.9km az=47.0

Station information for IDC 25 09:30:39.4, 0.8, 22.90S-175.08W, mb4.0/9, mb1 4.3/10, mb1mx4.3/15, ML4.3/1, MS3.9/5, Ms1 3.9/5, ms1mx3.7/14, Error ellipse: s-maj=38.2km s-min=19.9km az=147.0

Station information for NEIC 25 10:33:41.2, 36.72N-26.00E, h5km, MD3.1(ATH), After ATH, THE 25 10:33:41.9, 36.61N-26.00E, h6km, ATH 25 10:33:41.2, 36.72N-26.00E, h5km, MD3.1/5, ISC 25 10:33:40.5, 1.0, 36.71N-26.05E, 0.21E, 0.07, h5km, n10, c079/15, Dodecanese Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like THRA Thira Island, SANT Santorini, THRI Thira Island, THRE Thira Island, THRS Thira Island, SMG Samos, NPS Neapolis, KRY Khrisi, VAM Vaplo.

STR 25 10:37:32.1±0.1, 42.84N±1.99E, h5km, 1km, M12.0, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

LDG 25 10:37:32.0±1.1, 42.84N±2.01E, h3km, M2/0.1, M11.9/4, Error ellipse: s-maj=1.4km s-min=0.9km az=155.0

MDD 25 10:37:32.9±0.2, 42.84N±1.99E, mBLg1.3/1.0, Error ellipse: s-maj=1.9km s-min=1.7km az=92.0, PRXIMO, Pyrenees

Main station list for the first section, including stations like LPEF Le Peyrat, GRBF Gourbit, CLLI Livvia, LRDF Laroque-de-Fa, VALF Valcabollere, MTLF Montlieu, CBRU Brugera, SALF Salau, EJON La Jonquera, CSOR Sort, CORG Organya, MELF Melles, CFON Fontmartina, EPF Esparrros, CAVN Les Avelianes, EGRA Graus, EPOB Poblet, LASF Ste Croix, ETSF Etsaut, ESAC San Caprasio, VIVF Saint-Julien-I, VIVF.

IDC 25 10:51:47.5±15.0, 12.38S, 166.43E, h88km, 140km, mb3.8/6, mb1 4.0/6, mb1mx3.7/12, MS3.4/3, M13.3/5, ms1mx3.2/13, Error ellipse: s-maj=59.0km s-min=36.2km az=150.0

ISC 25 10:51:46.0±1.3, 12.5S±0.3, 166.4E±0.3, h88km, n7, c0797V, mb3.9/6, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PMG Port Moresby, STKA Stephens Creek, ASAR Alice Springs, ASAR, CMAR Chiang Mai Arr, ILAR Eilsion Array, NVAR Mina Array Bea, NVAR, NVAR, MKAR Makanchi Array.

NNC 25 11:11:47.8±1.9, 50.32N±87.06E, h24km, 9km, mpv3.3, 3C-4D, Error ellipse: s-maj=12.8km s-min=8.0km az=78.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MK31 Makanchi Array, MK31, MK31, KURK Kurchatov, KURK, VOSK Vostochnaya, CHKZ Chkalovo.

STR 25 11:27:04.3±0.8, 42.68N±1.38W, h10km, 1km, M12.5, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

NEIC 25 11:27:04.5±4.2, 42.65N±1.28W, h3km, ML2.7(LDG), ML2.5(STR), M12.2(MDD), After LDG

LDG 25 11:27:04.5±0.2, 42.65N±1.28W, h3km, M2/8.2, M12.7/6, Error ellipse: s-maj=2.8km s-min=1.6km az=33.0

MDD 25 11:27:03.0±3.2, 42.76N±1.21W, h17km, 4km, mBLg2.1/16, Error ellipse: s-maj=2.8km s-min=1.8km az=26.0, PRXIMO

Error ellipse: s-maj=2.8km s-min=1.8km az=26.0, PRXIMO

ISC 25 11:27:06.1±0.4, 42.76N±0.03±1.25W±0.04, h17km, n37, c1350/56, Pyrenees

Main station list for the second section, including stations like LARF Larrau, SJPF Ste Jean, EALK Alkuruntz, OSSF Ossees, Les Forges d'A, Les Forges d'A, Ordiarp, ATE Arets, Etsaut, REVF Montagne du Re, RECV Cripian, ECRI, VIEF Viabey, LABF Labassere, RESF Ens, RESF Ens, ESAC San Caprasio, ESAC, EPF Esparrros, EGRA Graus, EGRA, MELF Melles, MELF Lanestosa, ELAN, SALF Salau, SALF Torete, ETOR, ETOR, EPOB, EPOB, EBR Ebro Hoquetas, EMOS, MTLF Montlieu, MTLF, LFF La Frestale, EJON La Jonquera, EJON, CAF, ESDC Sonseca Array, ESDC, ESDC, MFF Saint Martin d, LASF Ste Croix, ECAL, ECAL, EPON, ERUA, ELOB, NEIC 25 11:30:37.1±0.4, 5.25S, 103.60E, mb4.1/2, Error ellipse: s-maj=21.2km s-min=7.5km az=52.0

NEIC 25 11:30:37.1±0.4, 5.25S, 103.60E, mb4.1/2, Error ellipse: s-maj=21.2km s-min=7.5km az=52.0

ISC 25 11:30:37.4±0.8, 5.23S, 103.56E, h66km, 7km, mb3.9/11, mb1 4.0/11, mb1mx3.9/15, Error ellipse: s-maj=33.6km s-min=12.9km az=60.0

ISC 25 11:30:35.3±0.7, 5.35±0.2, 103.6E±0.2, h66km, (h66km±2.9km; pP-P), n21, c0662/18, mb4.0/13, 2D, Southern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, WBZ Fitzroy Crossi, FITZ Fitzroy Crossi, ASAR Alice Springs, ASAR, STKA Stephens Creek, STKA, STKA, STKA, SONM Songino Array, SONM, SONM, MKAR Makanchi Array, MKAR, MKAR, BVAR Borovoye Array, CHKZ Chkalovo.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BRTR Keskin Array B, VANDA, VANDA, VANDA, AKASA Malin Array B, FINES FINES Array B, FINES FINES Array B, KFAR Karganieri, Lajitas Array, BDFB Branimir, JCT Junction City.

NEIC 25 11:59:40.6±0.4, 6.15S, 108.03E, mb4.0/8, Error ellipse: s-maj=22.7km s-min=7.9km az=55.0

IDC 25 11:59:41.3±2.2, 6.16S, 108.12E, h309km±21km, mb3.6/10, mb1 3.7/10, mb1mx3.6/15, Error ellipse: s-maj=29.4km s-min=9.4km az=51.0

ISC 25 11:59:39.2±3.1, 6.15±0.1, 108.1E±0.1, h307km±33km, n28, c1908/25, mb4.0/19, 1D, Jawa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, KAKA Kakuu, CMAR Chiang Mai Arr, CMAR, KLBRR Kellerberrin, NWAO Narrogin (SRD), WBZ Warramunga Arr, ASAR Alice Springs, ASAR, ASAR, LSA Lhasa, PKI Pulchoki, DMN Dman, KKN Kankani, STKA Stephens Creek, STKA Stephens Creek, STKA Gorkha, KOLN Koldanda, SONM Songino Array, MKAR Makanchi Array, MKAR, KURK Kurchatov, KURK, KMBO Kilima Mboja, VANDA Vanda, SBA Scott Base, BRTR Keskin Array B, AKASA Malin Array B, NVAR Mina Array Bea, NVAR, NVAR, JCT Junction City, MIAR Mount Ida.

IDC 25 12:26:10.7±12.0, 12.16S, 167.08E, h238km±124km, mb3.5/6, mb1 3.7/6, mb1mx3.5/13, Error ellipse: s-maj=64.7km s-min=38.8km az=154.0

ISC 25 12:26:15.6±1.4, 12.4S±0.4, 167.1E±0.3, h300km, n8, c0974/7, mb3.7/7, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CTA Charters Tower, STKA Stephens Creek, ASAR Alice Springs, FITZ Fitzroy Crossi, ILAR Eilsion Array, NVAR Mina Array Bea, MKAR Makanchi Array, ARCES ARCES Array B.

IGQ 25 12:33:40.4±2.51S±79.20W, h43km, 10km, mb4.1, Error ellipse: s-maj=7.9km s-min=2.5km az=92.5

ISC 25 12:33:40.9±1.7, 2.65S±0.1, 79.2W±0.1, h67km±27km, n24, c042/29, 3C-6D, Near coast of Ecuador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IGUA Iguazata, ARRY Arrayan, ARRY, PATA Patacocho, PATA, RETU Cusua, RETU, RETU, JUIV Juive, ULBA Ulba, RILN Runtun, QIL1 Quiotoa, QIL2 Quiotoa, HOJA Cerro de Hojas, TAMB Tambo, NAS1 Nasa, VCI Cotopaxi 1, ANTI Antisana, ANTI, ANTI, ANTI, CGGP Crater Guagua, CGGP Refugio Guagua, PINO Pino, YANA Yana, EPALM Reventador vol, CAYR Refugio Cayamb, CONE NE Rev, COTA Cotacachi.

MEX 25 12:47:30.2±0.5, 17.00N±100.04W, h2km, 4km, MD4.1, Error ellipse: s-maj=1.0km s-min=0.6km az=130.0

ISC 25 12:47:28.0±0.6, 16.96N±106.99W±0.04, h10km, n20, c130/31, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IGUA Iguazata, ARRY Arrayan, ARRY, PATA Patacocho, PATA, RETU Cusua, RETU, RETU, JUIV Juive, ULBA Ulba, RILN Runtun, QIL1 Quiotoa, QIL2 Quiotoa, HOJA Cerro de Hojas, TAMB Tambo, NAS1 Nasa, VCI Cotopaxi 1, ANTI Antisana, ANTI, ANTI, ANTI, CGGP Crater Guagua, CGGP Refugio Guagua, PINO Pino, YANA Yana, EPALM Reventador vol, CAYR Refugio Cayamb, CONE NE Rev, COTA Cotacachi.



Table with columns: Station Name, Longitude, Latitude, Azimuth, Period, Type, and various numerical parameters.

Table with columns: Station Name, Longitude, Latitude, Azimuth, Period, Type, and various numerical parameters.

Table with columns: Station Name, Longitude, Latitude, Azimuth, Period, Type, and various numerical parameters.

CSEM 25 14:35:29.9, 2.84Sx104.25E, h133km, ML7.1
FLV 25 14:35:01.9, 0.5, 5.20S; 103.75E; h700km, 999km
DJA 25 14:35:11.9, 3.12, 3.84S; 102.81E; h615km; km, mb6.4/2,
Error ellipse: s-maj=82.6km s-min=35.7km az=34.0
MOS 25 14:35:16.5, 0.8, 2.38S; 104.00E, h564km; 0/26, Error
ellipse: s-maj=9.7km s-min=5.3km az=114.8
IGL 25 14:35:18.5, 2.40Sx104.02E, h575km, MS6.3
HRVD 25 14:35:19.1, 0.1, 2.68S; 104.38E, h600km; 1km, MW7.3/78,
Centroid moment tensor Solution. LP body waves:
s77, c205; Mantle waves: s78, c194; Half duration: 10s6
Moment tensor: Scale 10^20Nm; Mr=0.80; Mw=0.46;
Mw=0.34; 0.1; Mw=0.18; Mw=0.57; Mw=0.45; Best double
couple: Mb1.02x10^29 NP1.9s 108°, 645°, λ-129°. NP2:
q=337°, 856°, λ-57°. Principal axes: T: 99, Plg63°, Azm291°.
N: 06, Plg27°, Azm137°. P: 1.05, Plg63°, Azm303°. nsta1
refers to body waves, cutoff=50s. nsta2 refers to mantle
waves, cutoff=150s.

SYO 25 14:35:19.0, 2.43Sx103.98E, h582km, MB6.8
IDC 25 14:35:19.5, 0.4, 2.48S; 104.18E, h588km, 4km, mb5.8/29,
mb1.5/8/29, mb1mx5.8/29, Error ellipse: s-maj=6.2km
s-min=5.3km az=69.0
NEIC 25 14:35:19.1, 0.1, 2.43S; 103.98E, mb6.8/122, ME7.4,
MW7.3, Error ellipse: s-maj=4.1km s-min=2.1km az=42.0
Broadband fault plane solution: P waves: NP1.9s 330°,
355°, λ-70°. NP2.9s 118°, 840°, λ-116°. Principal axes: T
Plg21°, Azm46°. N: Plg0°. Azm0°. P: Plg72°. Azm291°.
Moment Tensor Solution: s34 Moment tensor: Scale
10^19 Nm; Mr=6.95; Mw=3.92; Mw=3.02; Mw=1.07;
Mw=5.32; Mw=5.43; Best double couple: Mb9.8x10^19
NP1.9s 107°, 642°, λ-135°. NP2.9s 340°, 662°, λ-58°.
Principal axes: T: 9.4, Plg111°, Azm47°. N: 7, Plg28°,
Azm144°. P: 10.1, Plg59°, Azm293°. Complex
earthquake observed on broadband displacement
seismograms. A small event is followed by at least one
larger event occurring about 4 seconds later. Depth and
local mechanism based on first event. Energy computed
from BB mechanism.

NEIC Felt [I] at Bangkok and [II] at Padangpanjang. Felt [III]
at Bandung, Bogor, Sawahan and Sukabumi; [II] at
Jakarta, Java. Also felt [II] at Mataram, Lombok. Felt
throughout Bali, Java, Lombok and Sumatra. Also felt in
southern Johor, Malaysia and in Singapore.
BJJ 25 14:35:19.0, 2.40Sx104.00E, h582km, mb6.8, mb6.7
DHMR 25 14:35:20.7, 3.1, 2.55S; 103.76E, h575km, 999km, mb6.7
ISC 25 14:35:17.8, 0.3, 2.49S; 0.02, 103.98E, 0.02, h582km, 3km,
h578km, 1.9km; p-P, n1567, e0986/1104, mb6.8/218,
99C-330D, Southern Sumatra

Table with columns: Code, Station Name, Longitude, Latitude, Azimuth, Period, Type, and various numerical parameters.



Table with columns for station name, frequency, and various signal quality metrics. Includes stations like STKA, Stephens Creek, Urumqi, Hachijo jima 2, etc.

Table with columns for station name, frequency, and various signal quality metrics. Includes stations like KKKAR Karatay Array, IRK Irkutsk, Tasmania Unive, Honiara, etc.

Table with columns for station name, frequency, and various signal quality metrics. Includes stations like BVAR, BVAR, BRVK Borovoye, BRVK Borovoye, etc.



Table with columns for station name, frequency, and various signal quality indicators (eS, S, pmax, etc.). Includes stations like VOR, TOR, SBA, GVD, etc.

Table with columns for station name, frequency, and various signal quality indicators. Includes stations like SBA, EDRB, SNT, THR1, THR6, etc.

Table with columns for station name, frequency, and various signal quality indicators. Includes stations like VSU, TSUM, TSMU, TSMU, etc.





Table with columns for station call letters, frequency, name, and various signal quality indicators (P, A, S, etc.). Includes stations like Fossombrone, Wetzell, and various regional stations.

Table with columns for station call letters, frequency, name, and various signal quality indicators. Includes stations like Gusciola, Bad Segeberg, and various regional stations.

Table with columns for station call letters, frequency, name, and various signal quality indicators. Includes stations like WTSB, Bourrignon, and various regional stations.









Table with columns: Code, Station Name, Az, El, Pmax, P, Res. Rows include stations like Makanchi Array, Koldanda, Gorkha, DMN Daman, KKN Kakani, etc.

Table with columns: Code, Station Name, Az, El, Pmax, P, Res. Rows include MOS, BUJ, NEIC, IYO, SDO, MAN, and a list of stations under 'Mindanao'.

Table with columns: KKM, LQB, LUPB, LAGY, POLP, etc. Rows include stations like Kota Kinabalu, Ganyangan, Lukban, etc.

Table with columns: ASAR, JHU, CTA, CTAO, XAN, etc. Rows include stations like Alice Springs, Matsushiro, Charters Tower, etc.

Table with columns: LZH, KLBR, MUN, NWAO, CN2, MDJ, STKA, LSA, LSA, GAT, etc. Rows include stations like Kullerberrin, Mullerberg, Mundering, etc.

Table with columns: WMQ, WMQ, WMQ, WMQ, WMQ, YAK, YAK, YAK, MA2, MA2, MA2, KURK, KURK, NVS, NVS, NVS, NVS, KKR, KKR, FX1, VOSK, VOSK. Rows include stations like Wamona, Yakutsk, Magadan, Kuratov, etc.

Table of astronomical observations for the 25d 18h period. Columns include station name (e.g., BVAO, BVAR), coordinates, time, and various data points. Includes sub-sections like 'SDN' and 'RAYN'.

Table of astronomical observations for the 25d 18h period. Columns include station name, coordinates, phase ID, time, and residuals. Includes sub-sections like 'PDAR' and 'TXAR'.

Table of astronomical observations for the 25d 18h period. Columns include station name, coordinates, phase ID, time, and residuals. Includes sub-sections like 'JANG', 'JTM', 'JOT', etc.







Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CERVENICA-DUBN, KEKOV, NIE, PISKAZESTO, etc.

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

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

IDC 25 21:10:37.4-0.7, 14.59N-45.20W, mb3.9/12, mb1 4.1/12, mb1mx3.9/21, MS3.4/3, M1 3.3/3, ms1mx3.2/18, Error ellipse: s-maj=24.0km s-min=17.9km az=124.0

ISC 25 21:10:37.3-0.6, 14.6N, 0.1-45.2W, 0.1, h10km, n13, 0593/13, mb3.8/12, MS3.4/3, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Rows include BDFB Brasilia, LPAZ La Paz, DBIC Dimbokro, etc.

IDC 25 21:43:42.4-2.6, 39.42N-72.99E, mb3.6/3, mb1 3.6/5, mb1mx3.4/20, ML3.0/2, Error ellipse: s-maj=37.2km s-min=25.2km az=177.0

NNC 25 21:43:45.9-4.1, 39.65N-73.17E, h28km, 19km, mpv3.3, Error ellipse: s-maj=30.4km s-min=22.5km az=146.0

ISC 25 21:43:47.3-1.8, 40.1N, 0.2-72.9E, 0.1, h10km, n12, 01508/11, mb3.5/3, 6C-5D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Rows include KK31 Karatay Array, MK31 Makanchi Array, etc.

NEIC 25 21:46:02.9, 42.17N-2.34W, ML2.5(STR), ML2.4(LDG), MN1.8(MDD), After MDD, LDG 25 21:46:02.2, 42.17N-2.30W, h2km, Md2/6/1, M12.4/6, Error ellipse: s-maj=4.6km s-min=3.3km az=134.0

MDD 25 21:46:02.9-0.4, 42.19N-2.30W, h7km, 5km, mb0.1g1/8, 1/1, Error ellipse: s-maj=3.6km s-min=3.1km az=60.0, PRXIMO STR 25 21:46:03.1-0.1, 42.32N-2.40W, h2km, 1km, M13.1, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

ISC 25 21:46:06.0-0.5, 42.19N, 0.03-2.28W, 0.04, h12km, 4km, n28, 01513/45, 1C, Spain

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Rows include ECRI Cripan, EALK Alkuruntz, SJPF Ste Jean, etc.

Table with columns: ESDC, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Rows include Sonseca Array, Calabor, Adamuz, etc.

NEIC 25 22:01:00.3, 30.67S-71.33W, h57km, After GUC, GUC 25 22:01:00.3-0.8, 30.67S-71.33W, h57km, 10km, ML3.5, 3C-3D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Rows include TLL Tololo Astrono, LSCH La Serena, PACH Papudo, etc.

MOS 25 22:04:13.4-1.9, 42.08N-47.99E, h10km, mb4.0/1, Error ellipse: s-maj=26.0km s-min=7.5km az=125.1

ISC 25 22:04:12.0-1.0, 42.23N, 0.05-48.27E, 0.08, h2km, 8km, n12, 01543/22, 1C-2D, Caspian Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Rows include KSMR Kasumkent, MAK Makhachkala, GNBR Gunib, etc.

DBC Dubki, DBC DBC, DLMR Dylm, etc.

BTLR Botlikh, KIV Kislovodsk, UNCR Uncukul, etc.

AB31 Akbulak array, etc.

IDC 25 22:04:36.8-0.9, 7.48S-128.61E, mb4.0/6, mb1 4.2/8, mb1mx4.1/12, ML4.1/2, Error ellipse: s-maj=43.9km s-min=17.1km az=65.0

NEIC 25 22:04:38.1-0.4, 7.38S-128.67E, h10km, mb4.3/7, Error ellipse: s-maj=20.0km s-min=6.7km az=62.0

ISC 25 22:04:39.6-2.3, 7.55S, 0.07-128.6E, 0.1, h36km, 23km, n26, 00959/28, mb4.2/14, 1C, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Rows include KAKA Kakadu, etc.

Table with columns: FITZ, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Rows include Fitzroy Crossi, WB2 Warramunga Arr, etc.

SOF 25 22:33:51.7, 39.22N-23.77E, h2km, MD2.7, THE 25 22:33:59.5, 39.55N-23.65E, h12km, ML2.9, NEIC 25 22:34:00.2, 39.63N-23.48E, h31km, ML3.2(ATH), After ATH

ISC 25 22:34:00.2, 39.63N-23.48E, h31km, 5km, MD3.2/12, ATH

ISC 25 22:33:59.0-0.3, 39.58N, 0.02-23.65E, 0.03, h12km, n31, 01513/44, Aegean Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Rows include PAIG Paliouri, PAIG Neokhori, etc.

IDC 25 22:35:40.6-1.2, 39.64N-23.48E, mb3.9/2, mb1 3.7/6, mb1mx3.5/22, ML3.7/4, Error ellipse: s-maj=24.7km s-min=14.2km az=101.0

ATH 25 22:35:41.5, 39.59N-23.70E, h29km, 5km, MD3.8/18, ML3.5

NEIC 25 22:35:42.4, 39.56N-23.66E, h14km, MD3.8(ATH), THE 25 22:35:42.4, 39.56N-23.66E, h13km, ML3.9

ISC 25 22:35:42.2-0.3, 39.58N, 0.02-23.73E, 0.03, h29km, n54, 01515/67, mb3.7/12, ID, Aegean Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h m s, ISC. Rows include PAIG Paliouri, AOS Alonissos, etc.

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

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations in the Muntele Rosu area.

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

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

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations in the Matias Romero area.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations in the Kif Kaitopis area.

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

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

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations in the Arcyess Array area.

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

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

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations in the Matias Romero area.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations in the Kif Kaitopis area.

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

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations in the FINESS Array area.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations in the NEIC 2600 area.

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

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

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations in the Matias Romero area.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations in the Kif Kaitopis area.

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









Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Joensuu, Kangasniemi, FINESS Array B, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KIF, Kautokeino, Tromso, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LVC, LPAZ, TRQA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like JMA, JTA, JNU, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Washington, Washington, SMW, CPW, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ASR, MGB, RPW, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like NLW, TXB, HNB, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like VDB, ALB, TBM, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LALZ, SNVI, SUJZ, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CNCH, Conchagua, SNJE, San Jose, etc.

NEIC 26 08:00:11.4e, 1.3, 33.08S; 178.18W, h10km, Error ellipse: s-maj=27.1km s-min=12.6km az=102.0

IDC 26 08:00:11.3e, 1.6, 33.03S; 178.55W, mb4.4, mbl 1.4, 5.3, mb1.2m, 1.11, ML4.2/1, Error ellipse: s-maj=51.2km s-min=29.7km az=134.0

ISC 26 08:00:07.7e, 1.5, 33.16S; 0.07x178.0W, 0.2, h10km, n40, r154/42, mb4.4/2, 1D, South of Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MXZ, MATAKAOA POINT, etc.

NEIC 26 08:01:24.9, 61.11N; 147.09W, h20km, ML3.5(AEIC), ML3.4(PMR), After AEIC., Southern Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like GLE, Glacier Island, JPK, Jack Peak, etc.

CASC 26 07:35:57.4e, 2.7, 13.63N; 88.67W, MD3.9, ML3.5, 10C-10D, El Salvador

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LALZ, LOMA ALTA, SNVI, etc.

NEIC 26 06:40:46.8, 47.18N; 123.83W, h12km, MD3.5(SEA), After SEA. NEIC Felt [IV] at Humpulpts, [III] at Aberdeen and Hoquiam. PGC 26 06:40:46.8, 47.18N; 123.83W, h12km, ML3.0/12, MD3.5(SEA), 4C-11D, West coast Olympic Peninsula, 4

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Redoubt, YAH, MCK, TRF, CTGM, etc.

IDC 26 08:06:10.7, 1.5, 33.28S, 178.26W, mb4.3/3, mb1.4/4, mb1mx4.1/11, ML4.3/1, Error ellipse: s-maj=51.2km

s-min=27.2km az=139.0

NEIC 26 08:06:12.1, 0.5, 33.30S, 178.26W, h10km, mb3.4/1, Error ellipse: s-maj=17.6km s-min=7.3km az=103.0

ISC 26 08:09:1.2, 2.3, 33.32S, 0.07, 178.3W, 0.2, h1km, 19km, n30, c088/28, mb4.25, 1C, Coast of Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PUK, Charters Tower, Matawai, etc.

TIR 26 08:26:09.5, 40.68N-21.00E, h5km

NEIC 26 08:26:11.3, 40.63N-20.72E, h2km, mb3.4/1, MD3.9(PDG), ML4.1(ATH), ML3.8(THF), After THE.

NEIC Fell in Resen, former Yugoslav Republic of Macedonia. THE 26 08:26:11.3, 40.63N-20.72E, h2km, ML3.7

PD3 26 08:26:11.2, 0.2, 40.41N-20.53E, h1km, 1km

ATH 26 08:26:11.8, 40.65N-20.95E, h10km, 6km, MD3.9/15, ML4.1

IDC 26 08:26:13.7, 5.0, 40.63N-20.80E, h26km, 36km, mb3.4/5, mb1.3/7.11, mb1mx3.6/25, ML3.8/6, Error ellipse: s-maj=18.3km s-min=17.2km az=168.0

SOF 26 08:26:14.5, 40.81N-21.15E, h4km, MD3.4

ISC 26 08:26:11.3, 0.2, 40.64N-0.01, 20.74E, h10km, n104, c15/153, mb3.5/4, 17C-6D, Greece-Albania border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KBN, OHR, LSK, FNA, etc.

Table with columns: LKD, SOH, LKH, AGG, etc. Includes stations like Levkas, Sokhos, Agios Georgios, etc.

IDC 26 08:49:1.3

comp=N, 1um, 0.2s

ANTU Antumapu 1.63 190 eP S 08 56 32.4 -0.4

ANTU Antumapu 1.63 190 iS S 08 56 54.5 0.0

comp=E, 1um, 0.4s

PCH Pirque 1.67 186 eP P 08 56 33.4 0.0

PCH Pirque 1.67 186 iS S 08 56 55.5 +0.2

TLL Tololo Astrono 1.84 346 eP S 08 56 36.1 +0.6

TLL Tololo Astrono 1.84 346 iS S 08 56 60.0 +0.9

comp=N, 557nm, 0.5s

LCCH Las Cruces 1.86 215 eP P 08 56 35.5 -0.2

CHCH Chadas Angostu 1.99 189 eP S 08 56 37.1 -0.3

CACH El Canelo 2.17 187 iP P 08 57 02.7 +0.3

CACH El Canelo 2.17 187 iS S 08 56 39.0 0.0

LSCH La Serena 2.20 338 eP S 08 57 07.2 -0.2

LSCH La Serena 2.20 338 iS S 08 57 08.6

comp=E, 376nm, 0.3s

SFDO San Fernando 2.72 193 eP S 08 56 46.0 -1.2

SFDO San Fernando 2.72 193 iS S 08 57 18.5 -1.1

CASC 26 09:08:30.2, 2.3, 10.36N-86.29W, MD3.7, 1C-3D, Off coast of Costa Rica

Code Station Name Az Az' Phase ID Time Res

JCR Jicaral 1.26 114 Op ISC h m s ISC

CONR Concepcion 1.36 281 eP Pb 08 59 54.5 -1.7

APON Apoyo 1.56 8 eP Pn 08 59 59.7 +0.4

TICN Ticutantepe 1.66 2 eP Pn 08 59 59.4 -1.4

MGAN Managua 1.77 1 eP Pn 08 59 03.3 -2.0

MGAN Managua 1.77 1 eS S 08 59 25.5 +0.6

COFN Cofrada 1.78 6 eP Pn 08 59 00.4 +2.1

WILN Americas 2 1.79 3 eP Pn 08 59 02.8 +0.2

CGAZ Cerro Gallo 2 1.82 101 eP Pn 08 59 02.2 -0.9

CPN Copaltepe 1.83 351 iP Pn 08 59 03.5 +0.3

PRP Puriscal 1.98 101 eP S 08 59 29.4 +2.1

MIRN Miramar 1.20 349 eP Pn 08 59 06.4 -0.7

LEON Leon 2.12 344 iP Pn 08 59 08.4 +1.0

LAJ Bijagua 2.19 103 eP Pn 08 59 02.6 -5.7

SJS Escuela Geolog 2.24 101 eP Pn 08 59 09.1 +0.1

STL Telica 3 2.26 346 eP S 08 59 40.8 +3.1

LCHR La Lucha 2 2.33 105 eP Pn 08 59 10.1 -0.3

TRTC Tortuguero 2.54 85 eP Pn 08 59 12.8 -0.5

BUS Buena Vista 2.62 108 eP Pn 08 59 10.5 +0.6

IDC 26 09:37:01.1, 18.0, 18.55S-168.94E, h276km, 185km, mb3.5/3, mb1.3/6/3, mb1mx3.3/10, Error ellipse: s-maj=88.5km s-min=24.3km az=18.0

ISC 26 09:36:54.3, 1.1, 18.45S-161.168E, 0.2, h216km, 9km, n7, c0548/8, mb3.8/3, 1D, Vanuatu Islands

Code Station Name Az Az' Phase ID Time Res

BKM Butte a Klehm 0.92 325 iP P 08 57 25.5 +0.1

DZM Port Dzumme 4.25 211 eP S 08 57 49.5 -0.1

DZM Port Dzumme 4.25 211 eS S 08 58 51.1 -0.4

NOZ Mont Laguerre 4.34 212 iP P 08 58 01.6 +0.1

UNR Urewa 21.05 162 P P 08 59 12.6 +0.4

AR ARCESS Array B 124.18 345 PKP 08 59 27.3 -0.6

AR ARCESS Array B 124.18 345 PKP 08 59 26.2 -0.5

ISC 26 09:52:04.0, 36.87N-27.61E, h9km, MD3.4

NEIC 26 09:52:10.4, 36.65N-27.51E, h27km, MD3.3(ATH), After ATH.

ATH 26 09:52:10.4, 36.65N-27.51E, h27km, 9km, MD3.3/6

ISC 26 09:52:07.2, 0.5, 36.93N-0.03, 27.61E, h21km, 5km, n22, c0593/29, 4C, Dodecanese Islands

Code Station Name Az Az' Phase ID Time Res

BDRM Kayabasi 2.01 309 iP P 08 52 12.5 -0.2

MLSB Milas 0.38 15 iP S 08 52 17.1 +0.8

MLSB Milas 0.38 15 iS S 08 52 14.1 -1.1

NISR Nisiroso 0.53 233 eP P 08 52 18.2 +0.5

YER Yerkesik 0.55 68 iP P 08 52 16.3 -1.7

AYDN Tasoluk 0.75 14 iP S 08 52 21.3 -0.2

AYDN Tasoluk 0.75 14 iS S 08 52 21.8 +0.5

ARG Arkhangelos 0.81 152 eP P 08 52 21.5 -1.0

ARG Arkhangelos 0.81 152 eS S 08 52 23.5 0.0

DNZL Kariouklou 1.35 55 iP P 08 52 31.3 +0.2

DNZL Kariouklou 1.35 55 iS S 08 52 50.4 +1.9

DENT Denizli 1.38 53 eP P 08 52 30.1 -0.4

KARP Karpathos 1.44 196 eP Pn 08 52 32.8 +0.4

EMR Emiri 1.50 348 Pn 08 52 33.0 0.0

KDAG Bornova 1.50 348 iP S 08 52 33.4 +0.1

KDAG Bornova 1.50 348 iS S 08 52 54.9 +6.5

APE Apeiranthos 1.70 275 eP Pn 08 52 34.8 -1.4

APE Apeiranthos 1.70 275 eP Pn 08 52 37.0 +0.8

MAN Manisa 1.72 275 eP Pn 08 52 36.5 +0.1

MAN Manisa 1.72 275 iS S 08 52 41.7 -1.1

KSL Kastellorizon 1.74 116 eP Pn 08 52 40.5 +2.1

ELL Elmalı 1.82 95 eP Pn 08 52 37.5 -0.4

AKS Akhisar 1.95 4 Pn 08 52 39.3 -0.4

ISP Isparta 2.45 67 Pn 08 52 47.2 +0.3

PRK Parasevki 2.56 335 eP Pn 08 52 56.5 +4.3

KCT Karabey 3.38 9 Pn 08 52 47.7 -1.1

KIZL Kizilcal 3.87 59 eP Pn 08 53 06.5 +0.5

IKL Isikli 4.91 96 Pn 08 53 22.1 +0.3

MEX 26 09:52:07.0, 0.5, 17.88N-95.39W, h107km, 20km, MD3.8, Oaxaca

Code Station Name Az Az' Phase ID Time Res

CMIG Matias Romero 0.92 148 eP P 08 52 26.1 -1.4

CMIG Matias Romero 0.92 148 eS S 08 52 40.6 -2.2

OXX Oaxaca 1.50 238 iP P 08 52 31.8 -2.3

OXX Oaxaca 1.50 238 iS S 08 52 58.2 -1.6

IISM Ciudad Serdan 2.18 301 iS S 08 52 41.7 -1.1

IISM Ciudad Serdan 2.18 301 iS S 08 53 07.5 -2.1

IDC 26 10:03:50.6, 11.0, 8.93S-126.48E, h354km, 128km, mb3.6/2, mb1.3/5/3, mb1mx3.3/10, Error ellipse: s-maj=318.0km s-min=32.8km az=60.0

ISC 26 10:03:30.9, 2.4, 7.75S-0.1, 128.5E, 0.1, h166km, 24km, n8, c1934/13, mb4.1/2, 3C, Banda Sea

Code Station Name Az Az' Phase ID Time Res

KAKA Kakadu 6.24 143 Op ISC h m s ISC

FITZ Fitzroy Crossi 10.71 195 iP P 10 06 05.3 -0.4

FITZ Fitzroy Crossi 10.71 195 eS S 10 06 57.8 -0.4

WB2 Warramunga Arr 13.40 156 iP P 10 06 35.2 -0.2

WB2 Warramunga Arr 13.40 156 eS S 10 06 59.0 -1.8

ASPA Alice Springs 16.68 163 iP P 10 07 18.9 +2.5

ASPA Alice Springs 16.68 163 eS S 10 07 10.0 +5.3

ASAR Alice Springs 16.68 163 P P 10 07 18.4 +2.0

ASAR Alice Springs 16.68 163 S S 10 07 18.9 -5.3

STKA Stephens Creek 26.94 155 P P 10 09 00.4 +1.6

STKA Stephens Creek 26.94 155 P 10 09 00.0 +1.2

MKAR Makanchi Array 68.04 328 P P 10 14 12.5 -2.0

MKAR Makanchi Array 68.04 328 P 10 14 12.5 -2.0

BUI 26 10:12:01.0, 12.90N-90.90W, h10km, mb4.4, Ms4.8, Ms2.5

NEIC 26 10:12:01.7, 0.5, 12.90N-90.94W, h10km, mb4.2/17, Error ellipse: s-maj=17.3km s-min=6.3km az=48.0

CASC 26 10:12:03.1.3.0, 12.821N-91.04W, h17km, 26km, MD4.2, ML4.7, mb4.2(NEIC), IDCC 26 10:12:07.6.3.8, 12.96N-90.68W, h62km, 35km, mb3.8/8, mb1 4.1/9, mb1mx3.9/19P, ML4.1/1, MS3.2/4, Ms1 3.2/4, ms1mx2.8/20, Error ellipse: s-maj=40.2km s-min=14.9km az=54.0

ISC 26 10:12:01.2.1.3, 12.71N, 0.03.91.14W, 0.03, h25km, 10km, n81, c15180, mb4.2/19, MS3.6/5, 10C-8D, Off coast of Central America

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Ixpaco, Jato, San Blas, El Retiro, San Jose, Guatemala City, Las Nubes, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Boqueron, Serv Nas Est T, LFNS, Las Brisas, La Ceiba, San Vicente, Loma Alta, Santa Julia, Tecapa, Miram, Marmol, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Bellamira, Conchagua, Leon, Telica 3, Miram, Copaltepe, Matias Romero, JuntasAbangare, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Jicaral, Cerro Gallo 2, Puriscal, Bijagal, La Lucha 2, Urasca, Buena Vista, Cerro Adama, Otavalo, Nacogdoches, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Lajas, Santo Domingo, Lakeview Petre, Mount Ida, University of, Pickwick Lake, Carlsbad, Guadalupe Moun, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Cap Rock, Cooper Cave, Cathedral Cave, Albuquerque, Tucson, Kansas State U, Wupatki, Paradox Valley, Nelson, Binghamton, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Pinedale Array, Wild Horse, Limon Verde, Limon Verde, Schefferville, Wally Ulrich, Teton Pass, Mina Array, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like ULM, Wovor, LVC, LVC, Schrefferville, Deak, DLBC, Inuvik, ILAR, Urumqi, Nanjing, Lanzhou, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Eastern Caucasus, Urkarakh, Kasumkent, Arakani, Makhachkala, Mak, etc.

CASC 26 10:59:23.2.3.4, 11.39N-85.95W, MD3.7.2C, Nicaragua

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Copaltepe, Miram, Cerro Negro, Leon, Penoloya, Jicaral, Cerro Gallo 2, Puriscal, Bijagal, La Lucha 2, Urasca, Buena Vista, etc.

KRSC 26 11:15:26.7.51.76N-154.98E, h217km, ML3.5, Northwest of Kuril Islands

WEL 26 12:24:39.1.0.3, 45.84S-165.65E, h33km, ML3.5/1.1D, Error ellipse: s-maj=3.7km s-min=3.3km az=0.0, Off west coast of South Island

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Wether Hill Ro, Mavora Lakes, Wanaka, Tuapeka, Lake Benmore, Otahua Downs, etc.

NEIC 26 12:44:31.7.1.31, 19S-69.02W, h150km, MD3.8(GUC), After GUC 26 12:44:31.7.0.5, 31.19S-69.02W, h150km, MD3.8, ML3.5, San Juan Province

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Tololo Astrono, Jahuel, Farellones, Peldehue, Cerro Calan, Pirque, Las Melosas, Chada Angostu, Limon Verde, Torquato, etc.

IDC 26 13:33:09.6.4.6, 17.29S-174.34W, h144km, 40km, mb3.7/9, mb1 4.0/9, mb1mx3.9/14, Error ellipse: s-maj=31.0km s-min=13.3km az=127.0

NEIC 26 13:33:10.5.0.6, 17.24S-174.41W, h150km, mb4.1/1, Error ellipse: s-maj=21.7km s-min=12.9km az=135.0

ISC 26 13:33:00.3.5.7, 17.29S, 0.1-17.4, 4W, 0.2, h71km, 50km, n13, c831/14, mb4.0/10, Tonga Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Urewera, Charters Tower, Stephens Creek, Warramunga Arr, Alice Springs, Scott Base, Vanda, Mina Array Bea, Lajas Array, Pinedale Array, Elsieon Array, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Lanzhou, Gaotai, Baotou, Hu-ho-hao-te, etc.

IDC 26 14:30:16.4.2.1, 23.47S-174.21W, mb4.1/3, mb1 4.2/4, mb1mx3.9/13, ML4.3/1, Error ellipse: s-maj=190.0km s-min=36.7km az=171.0, Tonga Islands region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Rarotonga, Charters Tower, Alice Springs, Warramunga Arr, Chiang Mai Arr, etc.

GRAL 26 14:46:49.5.14.0, 33.90N-34.98E, h15km, 999km, MD2.8, GII 26 14:46:52.5.0.8, 33.61N-35.98E, ML2.2/4

ISC 26 14:46:53.0.0.9, 33.63N-03.36E, 0.09, h10km, n9, c131/14, Jordan - Syria region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Bhannes, Mount Hermon, Hawqa, Hanita, Mount Malkishu, Ofar, Nahal Hemdat, Sal'it, Dragot, etc.

NEIC 26 15:10:45.9.35.03N-4.05W, MG3.5(MDD), After MDD 26 15:10:45.9.2.1, 35.03N-4.05W, mb3.4/3, Error ellipse: s-maj=22.8km s-min=7.2km az=13.0, PRXIMO

ISC 26 15:10:45.8.1.35, 15.13N-0.08-4.10W, 0.06, h10km, n10, c1520/18, Strait of Gibraltar

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Melilla, Mijas, Espr, Quesada, Hornachuelos, Peldehue, Mina Concepcio, EGRO, ETOB, Badajoz, etc.

SOF 26 15:25:16.4.4.1, 19N-23.93E, h10km, MD2.7, THE 26 15:25:18.6.4.1, 18N-23.86E, h16km, ML3.1

ISC 26 15:25:17.0.0.7, 41.23N, 0.04-23.94E, 0.05, h3km, 11km, n14, c0675/19, Greece-Bulgaria border region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include stations like Serrai, Musomiste, Sokhos, Rozhen, Kendrick, Ouranopolis, Krupnik, Plovdiv, Kurdzhali, Panagyuriste, Dimitrovgrad, Vitosh, Alexandroupoli, Yambol, etc.

NIED 26 15:30:00, 43.60N-147.40E, h35km, Mw4.0 Best double couple: M1.28x10^15 NP1.9e63, s52e, lambda-114e, NP2: s278e, o44e, lambda-63e

MOS 26 15:30:13.4.1.6, 43.62N-147.63E, h51km, mb4.2/7, Error ellipse: s-maj=20.8km s-min=15.5km az=106.5

JMA 26 15:30:14.0.3.43, 61N-147.44E, h11km, 4km, M4.4, NEIC 26 15:30:15.9.0.6, 43.83N-147.64E, mb4.1/1, Error ellipse: s-maj=14.9km s-min=10.0km az=142.0

MOS 26 10:31:45.5.1.4, 42.07N-47.79E, h10km, mb4.0/1, 1C-2D, Error ellipse: s-maj=57.3km s-min=11.3km az=119.7

BUI 26 14:03:56.2, 38.68N-104.71E, h16km, ML3.5, Ms3.2, Ms2.8, Western Nei Mongol

26d 15h

2004 JUL

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s ISC. Contains station data for Kuril'sk, Yuzh-Kuril'sk, Kuril'sk, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s ISC. Contains station data for Chhatka Peninsula, Mys Shipunski, Mys Shupunski, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s ISC. Contains station data for Magadan, Kamikawa, Asahikawa, Yakutsk, etc.

MOS 26 15:34:12.0, 0.53, 54N; 160.82E, h53km, mb4, 1/6, Error ellipse: s-maj=17.1km s-min=8.8km az=73.3. IDC 26 15:34:12.2, 0.7, 53.78N; 160.48E, h33km, mb3, 9/15, mb1 4, 1/16, mb1mx3, 9/25, ML4.4, 5/2, MS3, 1/1, Ms1 3, 1/1, ms1mx2, 4/30, Error ellipse: s-maj=19.6km s-min=11.1km az=176.0.

Table with columns for station name, time, and other parameters. Includes entries like ASAJ Asahikawa, YSS Yuzh-Sakhalins, ENH Enshi, etc.

NEIC 26 16:07:44.8, 15.87N-96.06W, h20km, MD3.7(MEX), After MEX.

MEX 26 16:07:43.0-0.7, 15.80N-96.15W, h34km-8km, MD3.8, Near coast of Oaxaca

Table with columns for Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HUIG Huatulco, OXX Oaxaca, etc.

BUI 26 16:15:49.1, 42.92N-133.99E, h463km, mB4.6, mB4.5

JMA 26 16:15:49.8-0.4, 42.83N-134.56E, h494km, M3.7

NEIC 26 16:15:49.7-0.3, 42.87N-133.97E, h449km, mB4.2/23, Error ellipse: s-maj=10.9km s-min=10.5km az=153.0

IDC 26 16:15:49.3, 1.3, 42.88N-133.91E, h441km, 14km, mB3.5/17, mB1.3/6.21, mB1mx3.6/28, Error ellipse: s-maj=10.9km s-min=10.5km az=13.0

SYO 26 16:15:49.4, 42.87N-133.97E, h449km, MB4.2

SKHL 26 16:15:50.0-1.7, 42.98N-133.95E, h454km-24km, mB4.3/4, msh4.4/2

MOS 26 16:15:55.2-0.9, 43.68N-133.80E, h479km, mB3.9/17, Error ellipse: s-maj=13.3km s-min=10.6km az=103.1

ISC 26 16:15:48.5-0.2, 42.86N-103.134.07E-0.04, h450km-3km, h425km, 5.7km, pP-1, n134, c088/142, mB4.1/45, 7C-5D, Primorye

Table with columns for Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TEY Ternei, MDJ Mudanjiang, etc.

Table with columns for station name, time, and other parameters. Includes entries like CNL comp=Z.20nm,0.7s, KLR Kuldur, JMK JMK, etc.

WHN Wuhan, SOMN Songino Array, ZAK Zakamensk, ENH Enshi, LZH Lanzhou, etc.

MAR Makanchi Array, MKAR Makanchi Array, etc.

MAR Makanchi Array, MKAR Makanchi Array, etc.

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Table with columns for station name, time, and other parameters. Includes entries like INK Inuvik, ARCES ARCES Array B, etc.

GUC 26 16:24:29.3-0.8, 32.06S-68.73W, h1km-7km, MD4.3, M4.3

NEIC 26 16:24:30.1-0.9, 32.01S-68.51W, h95km, Error ellipse: s-maj=13.9km s-min=11.5km az=117.0

ISC 26 16:24:28.0-1.0, 32.03S-68.50W-0.08, h10km, n21, c103/35, 5C-5D, Mendoza Province

Table with columns for Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JACH Jahuel, etc.

ROCH El Roble, PCH Pirot, etc.

ROCH El Roble, PCH Pirot, etc.

ROCH El Roble, PCH Pirot, etc.

ROCH El Roble, PCH Pirot, etc.

ROCH El Roble, PCH Pirot, etc.

ROCH El Roble, PCH Pirot, etc.

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ROCH El Roble, PCH Pirot, etc.

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Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for stations like LSCH La Serena, SFD San Fernando, TRQA Torquait, etc.

IDC 26 16:49:02.6,4, 20.20N-145.73E, h79km,41km, mb3.4/5, mb1 3.7/6, mb1mx3.5/20, ML3.7/1, Error ellipse: s-maj=37.9km s-min=25.9km az=92.0

ISC 26 16:49:01.2,4,3, 20.2N,0.2,145.7E,0.3, h82km,37km, n6, o1303/7, mb3.6/5, Mariana Islands

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for stations like CBIJ Chichi jima, ASAR Alice Springs, MKAR Makanchi Array, etc.

MEX 26 16:56:11.2,0.9, 15.94N-97.61W, h18km,58km, MD4.0

NEIC 26 16:56:11.6, 15.95N-97.60W, h16km, MD3.9(MEX), After MEX

ISC 26 16:56:08.9,1, 2, 15.99N,0.08,97.58W,0.05, h28km,10km, n12, o561/23, Near coast of Oaxaca

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for stations like PNIG Pinotepa, ASAR Alice Springs, MKAR Makanchi Array, etc.

ISC 26 17:08:29.5, 36.89N-27.76E, h4km, MD3.2

ATH 26 17:08:30.7, 36.91N-27.80E, h10km, MD2.9/3

ISC 26 17:08:30.5-0.8, 36.89N-27.77E, h10km,5km, n12, o542/18,1C, Dodecanese Islands

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for stations like BDRM Kayabasi, MLSB Milas, YER Yerkesik, etc.

ISC 26 17:27:17.0, 36.87N-27.74E, h8km, MD3.4

ATH 26 17:27:18.6, 36.88N-27.70E, h10km,9km, MD3.2/6

NEIC 26 17:27:19.3, 36.92N-27.68E, h26km, MD3.2(ATH), After ATH

ISC 26 17:27:17.8-0.7, 36.88N-27.72E,0.04, h8km,5km, n18, o1504/28,1C, Dodecanese Islands

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for stations like BDRM Kayabasi, MLSB Milas, YER Yerkesik, etc.

IDC 26 17:45:42.5, 51.1, 56.94S-147.56E, mb4.3/5, mb1 4.5/5, mb1mx4.5/7, MS3.4/3, Ms1 3.5/3, ms1mx3.2/12, Error ellipse: s-maj=90.8km s-min=21.0km az=81.0

2004 JUL

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for stations like FORT Forrest, ASAR Alice Springs, ASAR Alice Springs, etc.

NEIC 26 18:07:50.3-0.8, 24.36S-67.06W, h165km,10km, mb4.7/5, Error ellipse: s-maj=14.2km s-min=12.3km az=104.0

IDC 26 18:07:51.1, 24.4, 20S-67.03W, h168km,16km, mb3.8/4, mb1 3.9/8, mb1mx3.7/17, Error ellipse: s-maj=23.1km s-min=18.2km az=6.0

GUC 26 18:07:52.1, 0.4, 24.20S, 67.71W, h210km, ML4.8

ISC 26 18:07:49.2, 0.6, 24.41S, 0.4, 67.23W, 0.09, h182km,11km, n26, o1919/30, mb4.4/8, 5C, Chile-Argentina border region

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for stations like LVC Limon Verde, LVC Limon Verde, LVC Limon Verde, etc.

IDC 26 18:31:29.2, 6.0, 5.54S-145.46E, h55km,61km, mb3.5/5, mb1 3.7/6, mb1mx3.6/12, ML2.7/1, Error ellipse: s-maj=39.0km s-min=31.0km az=128.0

ISC 26 18:31:30.5, 4.4, 5.73S-145.6E, h44km,44km, n6, o1528/7, mb3.5/5, Eastern New Guinea region

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for stations like PMG Port Moresby, ASAR Alice Springs, FITZ Fitzroy Crossi, etc.

IDC 26 18:59:18.9, 8.0, 36.16N-70.68E, mb3.7/3, mb1 3.7/5, mb1mx3.5/9, ML3.3/2, Error ellipse: s-maj=136.0km s-min=43.0km az=129.0

NNC 26 18:59:39.8, 5.8, 37.1N-69.20E, pmv3.2, Error ellipse: s-maj=49.9km s-min=34.2km az=144.0

ISC 26 18:59:43.0, 1.9, 38.8N,0.1, 68.9E,0.2, h10km, n8, o558/10, mb3.6/3, 2C-3D, Tajikistan

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for stations like KK31 Karatay Array, KK31 Karatay Array, AB31 Akbulak array, etc.

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Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for stations like NOA NORSTAR Array B, LDG 26 19:14:53.0, NEIC 26 19:15:02.7, etc.

NIC 26 19:17:00.43, 10N, 147.00E, h26km, Mw4.0 Best double couple: M1.19x1015 N1.9x401, d67°, A91°, N2.9x218°, d23°, A88°

JMA 26 19:17:44.8, 0.2, 43.09N-146.99E, h49km,4km, M4.3

SKHL 26 19:17:46.7, 2.2, 43.10N-146.80E, h33km, mb5.4/2, ms3.3/1

MOS 26 19:17:49.6, 1.3, 43.45N-146.68E, h61km, mb4.2/5, Error ellipse: s-maj=31.4km s-min=15.7km az=120.7

NEIC 26 19:17:51.0, 2.0, 43.28N-146.74E, h66km,16km, mb4.1/4, Error ellipse: s-maj=17.7km s-min=12.2km az=171.0

IDC 26 19:17:51.1, 4.0, 43.23N-146.73E, h67km,35km, mb3.6/10, mb1 3.8/11, mb1mx3.6/22, ML3.9/1, MS3.3/3, Ms1 3.3/3, ms1mx2.7/25, Error ellipse: s-maj=28.4km s-min=21.2km az=163.0

ISC 26 19:17:46.4, 0.9, 43.16N-105.146E,0.0, h44km,8kgm, n45, o581/57, mb3.9/13, MS3.6/3, 3C, Kuril Islands

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for stations like NEM2 Nemuro 2, YUK Yuzh-Kuril'sk, YUK Yuzh-Kuril'sk, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Includes stations like KUR, JOB, JAR, JTKR, etc.

IDC 26 19:37:41.8±2.7, 2.73S, 103.21E, h570km, 31km, mb3.3/7, mb1 3.3/7, mb1mx3.1/13, Error ellipse: s-maj=41.6km s-min=12.6km az=51.0

NEIC 26 19:37:44.4±1.9, 2.67S, 103.36E, h605km, 24km, mb3.8/4, Error ellipse: s-maj=26.9km s-min=8.6km az=46.0

ISC 26 19:37:44.8±2.7, 2.65S, 103.5E, h625km, 35km, n20, c078/21, mb3.9/14, Southern Sumatra

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

NEIC 26 19:52:28.3, 43.57N, 14.00E, h10km, MD3.2(ROM), ML3.2(VIE), ML3.0(LDG), After ROM.

ROM 26 19:52:28.3±0.3, 43.57N, 14.00E, h10km, MD3.2/15, ML2.8/7, Error ellipse: s-maj=3.3km s-min=2.5km az=90.0

LDG 26 19:52:29.7±0.2, 43.59N, 14.04E, h10km, MD3.1/2, ML3.0/13, Error ellipse: s-maj=5.2km s-min=3.1km az=62.0

ISC 26 19:52:27.5±0.3, 43.68N, 14.02E, h13.83E, 0.03, h10km, n71, r1836/114, 5C-3D, Central Italy

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

Main table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Includes stations like CING, ARV, ARV, ARV, etc.

CASC 26 19:57:42.2±2.7, 9.38N, 83.86W, h60km, 11km, MD4.2, 26, ML3.5, MW4.6, Fault plane solution: NP1φ333.03°, δ41.03°, λ74.66°

NEIC 26 19:57:50.0±5.5, 9.84N, 84.30W, h10km, Error ellipse: s-maj=129.0km s-min=38.4km az=200.0

NEIC Felt at San Jose and in the Valle Central. ISC 26 19:57:41.6±0.4, 9.40N, 0.77E, h73km, 6km, n50, c089/65, 14C-16D, Costa Rica

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s, ISC. Includes stations like BUS, LCR2, URSC, etc.

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

NNC 26 20:29:23.5±4.9, 50.60N, 97.97E, Error ellipse: s-maj=56.1km s-min=44.5km az=102.0

LDG 26 20:29:24.8±0.1, 51.03N, 98.00E, h10km, Mb4.5/9, Ms3.8/6, Error ellipse: s-maj=6.0km s-min=4.9km az=31.0

MOS 26 20:29:25.5±1.4, 51.05N, 98.25E, h10km, mb4.2/10, Error ellipse: s-maj=10.4km s-min=9.0km az=135.8

IDC 26 20:29:25.2±0.8, 50.95N, 98.02E, mb4.0/10, mb1 4.2/13, mb1mx4.1/22, ML3.9/3, MS3.6/10, Ms1 3.6/10, ms1mx3.5/26, Error ellipse: s-maj=19.0km s-min=13.8km az=20.0

NEIC 26 20:29:27.3±0.3, 50.99N, 98.04E, h10km, mb4.5/14, MS3.9/2, Error ellipse: s-maj=8.1km s-min=5.3km az=53.0

ISC 26 20:29:25.4±0.2, 51.08N, 98.03E, h15E, 0.04, h10km, n113, c17/123, mb4.3/28, MS3.8/14, 9C-5D, Tuva-Buryatia-Mongolia border region

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

Table with 4 columns: Station Name, Azimuth, Elevation, and SNR. Includes stations like BOD, BOD Bodaibo, GTA, GYA, etc.

Table with 4 columns: Station Name, Azimuth, Elevation, and SNR. Includes stations like GKN, KKN, PKI, GYA, etc.

Table with 4 columns: Station Name, Azimuth, Elevation, and SNR. Includes stations like FLN, TCF, MFF, etc.

Table with 4 columns: Station Name, Azimuth, Elevation, and SNR. Includes stations like DHMR, Code, Station Name, etc.

Table with 4 columns: Station Name, Azimuth, Elevation, and SNR. Includes stations like MOS, DCN, ESK, etc.

Table with 4 columns: Station Name, Azimuth, Elevation, and SNR. Includes stations like Code, Station Name, DCN, ESK, EPON, etc.







Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like Collm, Moravsky Berou, Panska Ves, Vyhne, Pruhonice, Moxa, Novy Kostel, Bratislava, Cakroluk, Kasperske Hory, GERES, BAIF, MOA, Champ du Feu, Wata, Wattenberg, La Foliniere, LDF, ROSF, HAU, GRR, SGMP, CABF, EVO, ESDC, LIC, KIC, TIC, and DBIC.

Station Name Azimuth Azimuth Error Phase ID Time Residual

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Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like VIS, SHL, CUD, KARAT, MK31, MKAR, GTA, KURK, AB31, VOSK, BVAO, BVAR, CHKZ, CHKZ, ARU, BRTR, AKASG, IDI, FINES, ARCES, GERES, NOBSAR, NOA, NOA, ASPA, ASPA, INK, PRU, RTK, BHGR, BHGR, NDI, AYAN, AYAN, SONA, SONA, SONA, SONA, KUDL, KUDL, KHETRI, KHETRI, DDI, DDI, AGRA, AGRA, KLP, KLP, JOSI, JOSI, AJM, AJM, PTH, PTH, SARP, SARP, CHCP, CHCP, THW, THW, BHPL, BHPL, BHPH, BHPH, SBDP, SBDP, KOLD, KOLD, DANN, DANN, DRP, DRP, CEP, CEP, GOR, GOR, DMN, DMN, KKN, KKN, PKI, PKI, NGP, NGP, NGP, NGP, BLSP, BLSP, LATR, LATR, KSH, KSH, POO, POO, POO, POO, HYB, HYB, HYB, HYB, KAD, KAD, LSA, LSA, LSA, LSA, LSA, LSA, VISH, VISH.

Station Name Azimuth Azimuth Error Phase ID Time Residual

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Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like CTA, STKA, WRA, ASAR, ASPA, KAKA, FITZ, FITZ, TXAR, BRTR, and GERES.

Station Name Azimuth Azimuth Error Phase ID Time Residual

Code Station Name Azimuth Azimuth Error Phase ID Time Residual

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Code Station Name Azimuth Azimuth Error Phase ID Time Residual

PRU 27 00:16:22.50 31N, 18 80E

WAR 27 00:16:19.20 23N, 19.03E, h1km, Location given by Central Institute of Mining, origin time based upon NIE, Poland

Code Station Name Azimuth Azimuth Error Phase ID Time Residual

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Code Station Name Azimuth Azimuth Error Phase ID Time Residual

IDC 27 00:31:41.6; 3.1, 5.65S; 149.77E, mb4.0/0, mb1 4.1/5, mb1mx3.9/12, ML3.1/1, MS3.1/1, Ms1 3.3/1, ms1mx2.6/20, Error ellipse: s-maj=34.2km s-min=29.4km az=100.0

ISC 27 00:31:45.9; 2.3, 5.75S, 0.2, 149.5E, 0.4, h33km, n0, c099/9, mb3.8/4, MS3.1/1, New Britain region

Code Station Name Azimuth Azimuth Error Phase ID Time Residual

Code Station Name Azimuth Azimuth Error Phase ID Time Residual

Code Station Name Azimuth Azimuth Error Phase ID Time Residual

Code Station Name Azimuth Azimuth Error Phase ID Time Residual

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JMA 27 00:24:52.1±0.1, 35.92N; 140.13E, h63km±1km, M3.0

NEIC 27 00:24:52.7±0.9, 35.98N; 140.13E, h70km, mb4.2/3, Error ellipse: s-maj=20.7km s-min=15.9km az=218.0

IDC 27 00:24:52.8; 6.9, 35.70N; 140.22E, h86km±79km, mb3.4/4, mb1 3.5/5, mb1mx3.3/21, ML3.1/1, Error ellipse: s-maj=51.6km s-min=62.2km az=90.0

ISC 27 00:24:59.0±0.5, 35.92N; 140.04E; 0.06, h73km±4km, n22, c082/33, mb3.8/6, 1C, Near east coast of eastern Honshu

Code Station Name Azimuth Azimuth Error Phase ID Time Residual

Code Station Name Azimuth Azimuth Error Phase ID Time Residual

Code Station Name Azimuth Azimuth Error Phase ID Time Residual

Code Station Name Azimuth Azimuth Error Phase ID Time Residual

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Code Station Name Azimuth Azimuth Error Phase ID Time Residual

HRVD 27 01:06:52.8; 0.1, 2.95S; 147.57E, h12km, MW5.4/66, Centroid moment Tensor Solution. LP body waves: s55, c09; Mantle waves: s66, c142; Half duration: 1s2

Moment tensor: Scale 1017Nm; M1=0.12±0.03; M2=0.31±0.03; M3=0.09±0.03; M4=0.13±0.06; M5=1.57±0.02; M6=2.02±0.05; Best double couple: M1: 62°/107° NP1: 0.275, 88°/13°; NP2: 0.184, 88°/170°; Principal axes: T: 1.69, P: 1.69, Azm: 139°; N: -1.5, P: 0.60, Azm: 350°; P: -1.54, P: 1.54, Azm: 230°; nsta1 refers to body waves, cutoff=40s; nsta2 refers to surface waves, cutoff=50s.

NEIC 27 01:06:52.8; 0.3, 2.95S; 147.54E, h30km, mb4.9/24, MS4.9/25 Error ellipse: s-maj=10.8km s-min=5.6km az=92.0

BUI 27 01:06:54.0; 3.00S; 147.50E, h30km, mb5.2, mb4.9, Ms5.1, Ms25.0

IDC 27 01:06:55.2; 3.5, 3.03S; 147.63E, h49km, h33km, mb4.3/13, mb1 4.5/14, mb1mx4.5/15, ML2.8/1, MS2.8/1, Ms1 4.8/15, ms1mx3.8/5.5, Error ellipse: s-maj=24.6km s-min=17.3km az=90.0

ISC 27 01:06:52.0; 0.3, 2.98S; 0.03; 147.57E; 0.07, h33km, (h31km, 1.5km; P-P), n117, c111/101, mb4.9/46, MS4.9/55, 5C-5D, Admiralty Islands region

Code Station Name Azimuth Azimuth Error Phase ID Time Residual

Code Station Name Azimuth Azimuth Error Phase ID Time Residual

Code Station Name Azimuth Azimuth Error Phase ID Time Residual

Code Station Name Azimuth Azimuth Error Phase ID Time Residual

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Table with columns for flight codes (e.g., YSS, UGL, TEY), destinations (e.g., Yuzh-Sakhalins, Tervel, Matsuhiro), times, and status indicators.

Table with columns for flight codes (e.g., S, S, S, S), destinations (e.g., Nanjing, Hu-ho-hao-te, HHC, HHC, HHC), times, and status indicators.

Table with columns for flight codes (e.g., RES, KAKA, YKWA, YKA, YKA), destinations (e.g., Resolute Bay, Kakadu, Yellowknife Ar, Yellowknife Ar, Yellowknife Ar), times, and status indicators.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like NIE Niedzica, KSP Ksiaz, KSC Ksiaz, OKC Ostrava-Krasne, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MSWZ Moikau Station, MSWZ Mount Morrison, MTW Waitaha Valley, etc.

STR 27 08:57:56.0z, 4.433N, 7.32E, h5km, 1km, M12.3, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like STV Sta Anna Valdi, ENR Entraque, ENR ENR, etc.

NEIC 27 09:39:58.4, 16.09N-97.62W, h20km, MD3.7(MEX), After MEX.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like NEG Negi, IMI Imperia, IMI Imperia, etc.

HEL 27 09:08:53.1z, 0.2, 59.34N, 27.20E, M1.1, 3, M2.1(NAO), Explosion

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like VJF Virojoki, VJF Pernaja, VJF Pernaja, etc.

STR 27 09:23:41.5z, 0.1, 42.84N, 0.26W, h5km, 1km, M12.2, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ORZ Quartz Range, THZ Tophouse, THZ Tophouse, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RESF Ens, RESF Ens, EPF Esparrros, etc.

IDC 27 09:34:26.5z, 21.0, 50.95N-169.07W, mb3.2, mb1 3.6/3, mb1mx3.3/2, ML3.5/1, Error ellipse: s-maj=432.0km s-min=62.8km az=83.0, South of Aleutian Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ILAR Eielson Array, YKA Yellowknife, TXAR Lajitas Array, etc.

NEIC 27 10:39:58.4, 16.09N-97.62W, h20km, MD3.7(MEX), After MEX.

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

DJA 27 10:41:01.7z, 1.2, 8.61S-117.57E, h164km, 10km, MD3.9/4, 5C-5D, Error ellipse: s-maj=49.8km s-min=26.9km az=168.0, Sumbawa region

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

NEIC 27 11:01:12.0, 32.58N-116.19W, ML3.3(PAS), After PAS.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like YUH Yula Desert, CRR Carrizo Plain, SGL Mount Signal, etc.

IDC 27 11:26:56.4z, 1.4, 3.21S-147.83E, mb4.1/5, mb1 4.3/5, mb1mx4.0/12, MS3.5/5, Ms 3.6/5, ms1mx3.3/15, Error ellipse: s-maj=85.5km s-min=24.8km az=118.0





Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, H, m, s, ISC. Includes stations like KZN, FNA, VAM, PLG, AUR, etc.

NEIC 27 13:09:12.7, 31.59S; 70.03W, h131km, MD3.9(GUC), After GUC.

GUC 27 13:09:12.7, 0.6, 31.59S; 70.03W, h131km, MD3.9, ML4.1, 7C-6D, Chile-Argentina border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, H, m, s, ISC. Includes stations like JACH, PACH, TLL, etc.

IDC 27 13:13:44.4, 2.3, 1.88N; 127.33E, mb3.3/3, mb1 3.5/3, mb1mx3, 4/14, Error ellipse: s-maj=178.0km

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, H, m, s, ISC. Includes stations like WRA, ASAR, MKAR, etc.

TAP 27 13:46:05.8, 24.44N; 121.86E, h16km, ML3.6

JMA 27 13:46:05.0, 4.0, 24.79N; 121.97E, h44km, M3.1

ISC 27 13:46:04.0, 4.0, 24.41N; 0.02, 122.02E, 0.02, h5km, 3km, n51, c093/82, 6C-1D, Taiwan region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, H, m, s, ISC. Includes stations like ENA, TWC, ILA, etc.

Main table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, H, m, s, ISC. Includes stations like ENTT, WTT, HWA, etc.

IDC 27 13:52:13.9, 1.6, 60.18N; 25.41E, mb1 3.0/3, mb1mx2, 9/19, ML2.6/3, Error ellipse: s-maj=18.0km

HEL 27 13:52:14.2, 0.1, 60.17N; 25.26E, ML2.0, ML2.2(UPP), Explosion

ISC 27 13:52:12.9, 0.5, 60.17N; 0.04, 25.28E, 0.07, n18, c190/30, 30

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, H, m, s, ISC. Includes stations like Code, Station Name, Azimuth, etc.

IDC 27 14:10:46.3, 1.1, 26.89S; 67.31E, mb4, 1/10, mb1 4.3/10, mb1mx4, 2/15, MS3.6/6, Mt 3.6/6, ms1mx3, 3/17, Error ellipse: s-maj=37.0km s-min=21.1km az=87.0

NEIC 27 14:10:47.0, 4.0, 26.89S; 67.27E, h10km, mb4.5/3, Error ellipse: s-maj=19.0km s-min=9.0km az=212.0

ISC 27 14:10:46.1, 0.6, 26.95S; 0.167, 3E, 0.1, h10km, n22, c042, 1/6, mb4.2/13, MS3.6/6, Indian Ocean Triple Junction

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, H, m, s, ISC. Includes stations like LSZ, KMBO, FITZ, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, H, m, s, ISC. Includes stations like QSPA, STKA, STKA, etc.

MOS 27 14:16:47.2, 1.9, 17.89S; 176.56W, h33km, mb5.6/7, Error ellipse: s-maj=21.7km s-min=17.0km az=122.9

IDC 27 14:17:19.2, 2.8, 18.26S; 176.93W, h320km, 27km, mb4, 4/19, mb1 4.6/19, mb1mx4, 5/21, Error ellipse: s-maj=16.4km s-min=11.4km az=130.0

BJU 27 14:17:20.4, 18.10S; 177.00W, h323km, mb4.8, mb4.9

SYO 27 14:17:20.4, 18.12S; 177.04W, h323km, MB4.8

NEIC 27 14:17:20.5, 2.1, 18.12S; 177.04W, h323km, 20km, mb4.8/43, Error ellipse: s-maj=10.6km s-min=6.1km az=143.0

BGS 27 14:17:30.7, 3.3, 18.15S; 177.14W, h415km

ISC 27 14:17:22.1, 5.1, 18.19S; 0.06, 177.10W, 0.05, h358km, 14km, n275, c0990/137, mb4.8/66, 20C-42D, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, H, m, s, ISC. Includes stations like Code, Station Name, Azimuth, etc.



Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station ID. Includes stations like MSWZ Moikau Station, VRZ Vera Road, MTW Mount Morrison, etc.

MAN 27 14:49:49.7, 9.40N, 126.09E, h7km, mb3.7, ML2.5, MS2.0, 1C-10, Mindanao

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station ID. Includes stations like BUTAN Butuan, SCUP Surigao, BIPH Bislig, etc.

DC 27 15:17:47.1, 7.29S, 147.31E, mb4.0/4, mb1.4/2, mb1mx3.8/11, MS3.3/5, Ms1 3/3.5, ms1mx3.2/16, Error ellipse: s-maj=62.6km s-min=31.9km az=129.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station ID. Includes stations like PMG Port Moresby, CKA Charters Tower, KAKA Kakada, etc.

DC 27 15:19:42.9, 2.9, 33.26S, 178.53W, mb4.0/2, mb1.4/2, mb1mx3.8/13, ML3.8/1, Error ellipse: s-maj=61.6km s-min=35.5km az=116.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station ID. Includes stations like PUZ Puketiti, MWZ Matawai, URZ Urewera, etc.

DC 27 15:36:22.2, 1.1, 25.24N, 123.77E, mb4.2/5, mb1.4/5, mb1mx3.8/21, Error ellipse: s-maj=60.4km s-min=22.5km az=77.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station ID. Includes stations like YOJ Yonaguni jima, IRIF Iriomote-Funau, JIJ Ishigaki, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station ID. Includes stations like JKE Kume jima 2, JAGN Aguni-jima, NAHI Naha, etc.

DJA 27 15:56:13.6, 0.0, 10.96S, 118.74E, h33km, MD4.8/4, ML5.4/4, Error ellipse: s-maj=49.3km s-min=16.2km az=36.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station ID. Includes stations like KEDI Kedomdong, KEDI Kedomdong, RATI Rata, etc.

DC 27 15:56:17.9, 0.0, 10.35S, 118.72E, h71km, gkm, n41, c09955, mb4.4/16, 4C-8D, South of Sumbawa

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station ID. Includes stations like KEDI Kedomdong, RATI Rata, INGI Ingas, etc.

DC 27 15:19:43.3, 2.5, 33.4S, 0.1x178.2W, 0.4, h33km, n10, c078/12, mb4.0/3, South of Kermadec Islands

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

DC 27 16:08:24.8, 1.2, 9.58S, 119.59E, mb3.7/2, ML3.4/2, Error ellipse: s-maj=61.3km s-min=21.8km az=70.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station ID. Includes stations like BJI Beijing, GJK Geikya, KOLN Koldanda, etc.

NEIC 27 16:08:30.0, 0.0, 9.62S, 119.73E, h35km, mb4.8/2, Error ellipse: s-maj=32.4km s-min=14.5km az=63.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station ID. Includes stations like KEDI Kedomdong, KEDI Kedomdong, RATI Rata, etc.

DC 27 16:30:25.2, 3.3, 34.96N, 23.47E, mb3.9/3, mb1.4/0.8, mb1mx3.7/25, ML3.8/4, Error ellipse: s-maj=52.8km s-min=17.2km az=8.0

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

DC 27 16:30:30.4, 35.43N, 23.75E, h5km, MD3.9(ATH), After ATH

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station ID. Includes stations like VLI Veliai, VLI Veliai, XRY Xristi, etc.

CASC 27 16:30:57.6, 1.9, 12.11N, 89.58W, h35km, 23km, MD3.9, ML4.4, 10C-2D, Off coast of central America

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station ID. Includes stations like LFERS El Faro, LFERS El Faro, BOQS Boqueron, etc.

MDD 27 16:35:21.8, 0.6, 43.06N, 1.28W, mbLg0.7/4, Error ellipse: s-maj=5.7km s-min=2.7km az=21.0, PXRIMO SIN SOLUCIN

LDG 27 16:35:19.6, 0.8, 43.04N, 1.39W, h2km, MD1.6/2, ML1.6/1, Error ellipse: s-maj=14.7km s-min=10.5km az=70.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station ID. Includes stations like SJPF Ste Jean, SJPF Ste Jean, EALK Alkuruntz, etc.

DC 27 17:08:13.0, 1.7, 4.48S, 153.79E, mb4.0/5, mb1.4/2/5, mb1mx4.0/11, Error ellipse: s-maj=60.6km s-min=25.4km az=86.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and Station ID. Includes stations like NEIC 27 17:08:27.3, 3.6, 4.62S, 153.56E, etc.



BJJ 27 20:09:22.5, 41.90N, 142.54E, h69km, mb4.9, mb4.6, Ms3.9, Msz4.1
JMA 27 20:09:24.3, 0.1, 41.98N, 142.52E, h60km, 2km, M4.3
Broadband fault plane solution: P waves. NP1: 234°, 19°, 123°. NP2: 19°, 67°, 179°. Principal axes: T P 60°, Azm274°; N P 10°, Azm22°; P P 28°, Azm118°;
JMA Flg1 J1.
NEIC 27 20:09:25.0, 0.1, 41.98N, 142.56E, h73km, 2km, mb4.5/10, MV4.4(NIED) Error ellipse: s-maj=14.1km s-min=9.7km az=121.0

NEIC Recorded [1 JMA] in the Chitose area and in south-central Hokkaido.

ISC 27 20:09:23.5, 0.3, 41.98N, 0.03, 142.52E, 0.04, h70km, 2km, n95, c091/111, mb4.3, 9S-12D, Hokkaido region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Urakawa-nobuka, Erimo, Biritori 2, Churui, Kayabe, Eniwo, Furan, Noboribetsu, Ohashi, Onobetsu, Ashibetsu, Ashorobuto, Yakumo 2, Tenmabayashi, Shiriuchi, Asahikawa, Yuzh-Kuril'sk, Matsushiro, Mutsushiro, Mudanjiang, Chanchung, Natsukesu, Hialar, Magadan, Beijing, Shehsan, Yakutsk, Hu-ho-hao-te, Lanzhou, Lanzhou, Lanzhou, Lanzhou, Lanzhou.

Table with columns: KMI, KMI, KMI, KMI, KMI, KMI, WMQ, WMQ, WMQ, WMQ, WMQ, WMQ, NVS, NVS, NVS, MKAR, MKAR, MKAR, LSA, LSA, KURK, CMAR, ILAR, CHZK, KKN, PKI, DMN, GKN, KOLN, ARU, ARU, ARU, ARU, ARU, YKA, KEV, ARCES, ARCES, JOF, OBN, OBN, OBN, OBN, FINES, FINES, FINES, KIV, KIV, NB2, NOA, NOA, NOA, NOA, AKASG, AKASG, AKASG, STKA, STKA, STKA, ULM, BRTR, BRTR, BRTR, BRTR, OKK, DPC, PVOC, PRUC, NWAOW, NWAOW, NWAOW, NKC, KHC, KHC, GERES, GERES, GERES, GERES, IDC, NEIC, ISC, Code, KAKA, KAKA, FITZ, FITZ, FITZ.

Table with columns: FITZ, FITZ, WRA, WRA, WRA, WB2, ASPA, ASPA, PMG, CTA, CTA, CTA, FORT, FORT, FORT, STKA, STKA, STKA, NANT, CMAR, CMAR, CHG, BJI, SHL, LSA, ULN, SONM, SONM, MKAR, KURK, VANDA, ARU, CPUP, CPUP, DJA, KEDI, KEDI, RATI, RATI, RATI, INGI, KELI, KELI, INMG, MDD, Code, EGRO, EGRO, EGRO, PALC, PALC, PALC, PBEJ, PBEJ, PBEJ, PTEO, MOE, EMIN, EBAD, EBAD, ESPR, STR, LDG, ISC, Code, LOMF, LOMF, HINF, HINF, MOF, MOF, HAU, HAU, HAU, CDF, CDF, CDF, WLS, CDF, CDF, RFYF, RFYF, MEZF, NEIC, IDC, ISC, Code, PUZ, PUZ, PUZ, PUZ.



Table of station data for 28d 0h, including columns for Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time Res, h m s, and Res. Includes stations like TUBL, VAI, AVF, BUCH, RSP, ENF, DAVA, STU, etc.

Table of station data for BGR, ZUR, STR, NEIC, LDG, etc., including columns for Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time Res, h m s, and Res. Includes stations like LOMF, BRANT, BOURN, etc.

Table of station data for JMA, TAP, ISC, Taiwan region, etc., including columns for Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time Res, h m s, and Res. Includes stations like YOJ, YON, IRIF, etc.





Table with columns for station name, coordinates, elevation, and various data points. Includes stations like Nouc, KMI, DZM, TIA, etc.

Table with columns for station name, coordinates, elevation, and various data points. Includes stations like Baotou, Agartala, Shillong, Yuzh-Sakhalins, etc.

Table with columns for station name, coordinates, elevation, and various data points. Includes stations like NGP, PET, CLNS, etc.







Table with columns for station name, coordinates, and various data points. Includes stations like CMAR, CHANG MAI ARR, CHIANG MAI, etc.

Table with columns for station name, coordinates, and various data points. Includes stations like MKAR, KASHI, CASY, etc.

Table with columns for station name, coordinates, and various data points. Includes stations like LVC, VILLA FLORIDA, ROSO, etc.

NEIC 28 04:03:20.0, 0.5, 0.79S, 132.59E, h10km, mb5.2/4, Error ellipse: s-maj=31.0km s-min=11.0km az=63.0
IDC 28 04:03:26.0, 5.4, 0.70S, 132.87E, h47km, mb4.9/12, mb1.5/0.12, mb1mx4.9/17, Error ellipse: s-maj=32.5km s-min=15.2km az=65.0
ISC 28 04:03:22.4, 0.5, 0.74S, 0.10, 132.8E, 0.2, h33km, n27, 1508/20, mb5.1/15, Irian Jaya region

BUI 28 04:05:50.0, 35.30N-23.40E, h5km, mb4.2, mb4.6
NEIC 28 04:05:51.2, 35.31N-23.37E, h5km, mb4.1/26, MD4.1(ATH), After ATH.
ATH 28 04:05:51.2, 35.31N-23.37E, h5km, MD4.1/11
THE 28 04:05:54.6, 35.31N-23.36E, h9km, ML4.2
IDC 28 04:05:55.2, 35.30N-23.44E, h37km, 24km, mb4.0/9, mb1.4/1.7, mb1mx4.0/29, ML4.2, 1.18, Error ellipse: s-maj=21.2km s-min=18.7km az=148.0
ISC 28 04:05:50.7, 0.6, 35.20N-0.04, 23.18E, n148, 1938/161, mb4.3/16, 3C, Crete

Table of station data for 589, including call signs (MMB, SOI, TIP, etc.), frequencies, and coordinates.

Main table of station data for 2004 JUL, including call signs (YKA, FITZ, WRA, etc.), frequencies, and coordinates.

Table of station data for 285 6h, including call signs (MRZ, TUWZ, KHZ, etc.), frequencies, and coordinates.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like URZ, URZ Urewera, BKZ Black Stump Fm, etc.

NEIC 28 07:12:24.9, 5.353N, 3.74W, MG3.5(MDD), After MDD. MDD 28 07:12:25.1-0.7, 5.362N, 3.80W, mbLQ2.4/16, Error ellipse: s-maj=10.2km s-min=3.9km az=39.0, PRXIMO Afterstock PLICA

Main table of station data for the 28d 8h period, listing station names, coordinates, and observation times.

PRU 28 07:16:24.0, 5.1, 48N, 16.13E WAR 28 07:16:24.3, 5.1, 52N, 16.12E, h1km, Location given by Rudna mine, origin time based upon KSP

NEIC 28 07:16:29.2, 1.5, 51.17N, 15.81E, h5km, MG2.6(WAR), Error ellipse: s-maj=20.1km s-min=10.0km az=192.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KSP, KSP Ksiaz, KSP Dobruska-Polom, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MOX, OBKA Obir, LSK Leskovik, etc.

IDC 28 07:48:23.4, 2.8, 23.67S, 180.00E, h507km, 29km, mb3.5/9, mb1.3/6.10, mb1mx3.5/16, Error ellipse: s-maj=22.9km s-min=18.8km az=20.0

NEIC 28 07:48:24.2, 2.1, 23.68S, 179.95E, h520km, 23km, mb4.6/6, Error ellipse: s-maj=18.6km s-min=11.7km az=211.0

ISC 28 07:48:23.1, 3.7, 23.65S, 179.9E, 0.2, h515km, 43km, n24, 0.685/21, mb4.2/11, 2D, South of Fiji Islands

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

IDC 28 07:59:38.2, 2.5, 52.38N, 35.01E, mb1.3/9/3, mb1mx3.5/18, ML3.1/4, Error ellipse: s-maj=28.6km s-min=12.7km az=113.0

ISC 28 07:59:34.2, 1.3, 52.55N, 0.08-35.1E, 0.2, h10km, n5, 0.52/7, Baltic States - Belarus - Northwestern Russia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AKASG Malin Array Be, AKASG, FINES FINESS Array B, etc.

IDC 28 08:06:43.0, 1.2, 13.53S, 111.88W, mb4.1/10, mb1.4/3/10, mb1mx4.2/17, MS4.5/16, Ms1.4.5/16, ms1mx4.4/19, Error ellipse: s-maj=45.4km s-min=18.4km az=54.0

HRVD 28 08:06:45.0, 2.0, 13.42S, 111.66W, h12km, MW5.2/61, Centroid moment tensor Solution. LP body waves: s25,c31; Mantle waves: s61,c10; Half duration: 1s0

Moment tensor: Scale 10^16Nm; Mo-0.42t, 27; Ms0.161t, 27; Mps-1.19t, 30; Mip-1.39t, 67; Mbp, 1.2t, 18; Mbr-2.66t, 75; Best double couple: Mo, 7.8, 1016 NP1; q=277, 870, 155; NP2, 185, 885, 160; Principal axes: T: 8.35, P: 18, N: 108, P: 169, Azm: 352; P-7.2, P: 210, Azm: 233; nst1 refers to body waves, cutoff=50s; nst2 refers to surface waves, cutoff=50s.

NEIC 28 08:06:45.2, 0.5, 13.45S, 111.75W, h10km, mb4.7/14, MS4.7/2, Error ellipse: s-maj=19.7km s-min=8.7km az=65.0

SYO 28 08:06:45.2, 13.45S, 111.75W, h10km, MB4.7, MS4.7 BUI 28 08:06:47.5, 13.40S, 111.70W, h10km, Ms5.2, Msz5.0

ISC 28 08:06:43.8, 0.8, 13.45S, 111.7W, 0.2, h10km, n58, 0.1900/39, mb4.4/24, MS4.5/19, 1D, Central East Pacific Rise

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JTS JuntasAbangare, ROSC El Rosal, LVC Limon Verde, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TXAR Junction City, JCT 1, PLCA Paso Flores, PLCA Paradox Valley, etc.

LDG 28 08:32:37.3, 0.1, 44.84N, 7.16E, h2km, Md2.5/3, Ml2.4/6, Error ellipse: s-maj=1.7km s-min=0.9km az=68.0

STR 28 08:32:38.2, 0.4, 44.78N, 7.10E, h5km, 1km, Ml2.2, Error ellipse: s-maj=0.7km s-min=0.0km az=1.0

NEIC 28 08:32:38.2, 44.78N, 7.10E, h5km, (GEN), ML2.4(LDG), ML2.2(STR), After STR.

ISC 28 08:32:36.4, 0.3, 44.81N, 0.01x7.15E, 0.03, h5km, n32, 0.082/54, Northern Italy

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BHB Bricherasio, OG22 Abries, MBDF Montbardon, etc.







Azm130°; N Plg0°, Azm0°; P Plg41°, Azm17°; Moment Tensor Solution. s18 Moment tensor: Scale 1017 Nm; Mw-1.39; Mw-0.66; Mw2.06; Mw-2.79; Mw2.24; Mw-0.58; Best double couple: M4.1x1017 NP1; Mw172°; δ42°; λ-160°; NP2; Mw67°; δ77°; λ-50°. Principal axes: T 4.07, Plg22°, Azm128°; N -0.02, Plg38°, Azm236°; P -4.05, Plg44°, Azm15°. Depth from synthetics of broadband displacement seisograms. Energy computed from BB mechanism.

IDC 28 10:23:28.8-0.5, 10.29Sx161.28E, h58km, 3km, mb5.1/15, mb1.5/217, mb1mxx2.18, MS4.9/15, MS1.4/915, ms1mx4.8/18 Error ellipse: s-maj=15.0km s-min=11.7km b-z=105.0

SYO 28 10:23:28.9, 10.31S; 161.17E, h56km, MB5.5 HRVD 28 10:23:29.0-0.1, 10.35S; 161.36E, h67km, 1km, MW5.7/65, Centroid moment Tensor Solution. LP body waves: s60.c123; Mantle waves: s65.c148; Half duration: 1s6 Moment tensor: Scale 1017Nm; Mw-0.25±.05; Mw-1.16±.05; Mw-1.41±.05; Mw-2.56±.04; Mw-2.33±.05; Mw-0.59±.04; Best double couple: M3.75x1017 NP1; Mw167°; δ45°; λ-176°. NP2; Mw74°; δ87°; λ-45°. Principal axes: T 3.74, Plg28°, Azm130°; N 0.01, Plg45°, Azm251°; P -3.75, Plg32°, Azm21°. nsta1 refers to body waves, cutoffs=40s, nsta2 refers to surface waves, cutoffs=50s. MOS 28 10:23:31.1-0.8, 10.15S; 160.98E, h83km, mb5.6/32 Error ellipse: s-maj=12.5km s-min=8.1km az=74.9

ISC 28 10:23:24.6-0.9, 10.31S; 0.03; 161.11E, 0.03, h33km, 6km, h55km, 5km; pP-P, n444, e885/295, mb5.5/118, MS5.0/132, 8C-44D, Bougainville - Solomon Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Contains station data for various locations including Honiara, Butte a Klehm, Port Moresby, etc.

Main data table with columns: Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists numerous stations and their associated data points.

Main data table with columns: Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists numerous stations and their associated data points.



Table with columns for station call letters, frequency, power, and other technical details. Includes stations like LDFC, PNT, LNOR, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like DGMT, JCT, CBKS, etc.

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



Table with columns for station name, frequency, power, and other technical details. Includes stations like DLBC Dease Lake, WMQ WMO, TGY Tagaytay City, MKAR Makanchi Array, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like TPH Tonopah, PDAR Pinedale Array, DUG Dugway, NLU North Lily Min, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like BFO Black Forest, BFO Black Forest, WATA Waldermal, SPK Spachingen, etc.

IDC 28 11:09:26.9-0.9, 3.65S: 101.38E, mb4.4/14, mb1 4.5/14, mb1mx4.4/16, Error ellipse: s-maj=46.4km s-min=14.9km

BJI 26-40.0 BJI 26-40.0 BJI 26-40.0 BJI 26-40.0 BJI 26-40.0 BJI 26-40.0 BJI 26-40.0 BJI 26-40.0 BJI 26-40.0 BJI 26-40.0

Table with columns for Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other details. Includes stations like KGM Kluang, IPM Iphoh, CMAR Chiang Mai Arr, etc.

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

NEIC 28 11:54:14.3z.2.1, 5.72S:147.12E, h64km, 18km, mb4.3/4, Error ellipse: s-maj=16.9km s-min=15.7km az=57.0

DC 28 11:54:15.8z.7.2, 5.77S:147.20E, h79km, 62km, mb3.8/7, mb1.4/0.0, mb1mx4.0/14, ML4.2/2, MS3.1/1, MS1.3/1, ms1mx2.8/17, Error ellipse: s-maj=39.1km s-min=22.7km az=78.0

ISC 28 11:54:12.3z.8.5, 5.75z.0.1x147.1E.0.1, h60km, 24km, n21, c067/18, mb4.2/8, Eastern New Guinea region

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

NAO 28 12:05:10.9z.2.7, 59.30N:9.74E, ML2.4 BER 28 12:05:12.1z.1.9, 59.29N:9.74E, MD1.5, ML2.5, ML2.4(NAO), Suspected explosion, Southern Norway

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

DC 28 12:07:06.7z.0.8, 18.15N:146.92E, mb3.8/8, mb1 4/0.8, mb1mx3.9/19, Error ellipse: s-maj=31.4km s-min=21.1km az=107.0

NEIC 28 12:07:14.4z.2.9, 18.11N:146.89E, h57km, 27km, Error ellipse: s-maj=28.1km s-min=20.1km az=95.0

ISC 28 12:07:12.9z.3.5, 18.11N:0.2z.146.8E.0.2, h58km, 33km, n11, c099/9, mb3.7/8, Mariana Islands

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

DC 28 12:11:26.7z.1.7, 31.08N:137.50E, h332km, 26km, mb2.9/4, mb1 3/1.6, mb1mx2.9/22, Error ellipse: s-maj=51.0km s-min=12.7km az=70.0

JMA 28 12:11:28.5z.0.2, 31.41N:138.47E, h407km, M3.2 ISC 28 12:11:28.0z.1.0, 31.33N:0.0z.138.7E.0.2, h413km, 10km, n15, c097/19, mb3.0/4, Southeast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Hachioji jima 2, Kozaga, etc.

NMC 28 12:32:46.1z.3.9, 36.97N:72.39E, Error ellipse: s-maj=32.4km s-min=29.0km az=147.0

NEIC 28 12:32:50.1z.2.0, 36.78N:72.64E, h52km, 18km, mb4.5/18, Error ellipse: s-maj=16.3km s-min=10.0km az=221.0

MOS 28 12:32:51.7z.1.7, 36.75N:72.55E, h83km, mb4.2/9, Error ellipse: s-maj=16.3km s-min=8.6km az=86.9

IDC 28 12:32:53.4z.1.6, 36.79N:72.72E, h87km, 42km, mb3.8/13, mb1.4/0.15, mb1mx3.9/20, MS3.8/6, MS1 3.8/6, ms1mx3.5/27, Error ellipse: s-maj=22.7km s-min=14.6km az=23.0

BUI 28 12:32:57.2, 36.96N:73.46E, h51km, mb4.9, mb4.5, ML4.8, Ms4.4, Ms2.4

ISC 28 12:32:45.4z.0.7, 36.61N:0.0z.72.82E.0.07, h33km, 8km, n108, c1955/115, mb4.3/33, MS3.8/8, 9C-4D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Cherat, Chirah Chowk, Kashi, etc.

AYAN Aya Nagar 8.88 155 eP P 12 34 52.9 -1.4 KUDL Kungal 8.99 159 eP S 12 34 54.3 -1.5

SONA Sohna 9.08 155 eS S 12 34 55.8 -1.3 SONA Sohna 9.52 153 eS S 12 36 34.1 -5.1

PTH Pithoragarh 9.38 136 eP P 12 35 00.0 -1.3 PTH Pithoragarh 9.38 136 eP P 12 35 00.0 -1.3

JASL Jaisalmer 9.79 190 eP P 12 35 03.4 -3.6 AJM Ajmer 10.22 171 eS S 12 37 00.6 -6.8

JHNI Jhansi 12.14 155 eS S 12 37 47.0 -7.0 DANN Dangising 12.37 129 eP P 12 35 40.3 -1.7

MK31 comp=E, 139m, 1.4s 12 39 10.3 MKAR Makanchi Array 12.39 32 P P 12 35 43.0 +0.9

MKAR Makanchi Array 12.39 32 P P 12 35 43.0 +0.9 MKAR Makanchi Array 12.39 32 P P 12 35 43.0 +0.9

KOLN Koldanda 12.68 131 eP P 12 35 43.4 -2.8 GKN Gorkha 13.16 127 eP P 12 35 49.4 -3.2

WMQ Urumqi 13.45 53 P P 12 36 02.5 +6.3 WMQ Urumqi 13.45 53 P P 12 36 02.5 +6.3

WMQ comp=Z, 16nm, 0.9s 12 36 02.5 +6.3 WMQ comp=Z, 173nm, 4.0s 12 36 02.5 +6.3

WMQ comp=N, 17m, 12.2s 12 36 02.5 +6.3 WMQ comp=E, 858nm, 15.3s 12 36 02.5 +6.3

KKN Kakar 13.72 126 eP P 12 35 56.1 -3.8 DMN Daman 13.73 127 eP P 12 35 56.1 -4.0

PKI Pulchok 13.96 127 eP P 12 35 58.9 -4.1 KURK Kurchatov 14.71 15 P P 12 36 12.2 -0.4

KURK Kurchatov 14.71 15 P P 12 36 12.2 -0.4 KURK Kurchatov 14.71 15 P P 12 36 12.2 -0.4

KURK Kurchatov 14.71 15 P P 12 36 12.2 -0.4 KURK Kurchatov 14.71 15 P P 12 36 12.2 -0.4

AB31 Akbulak array 15.74 327 P P 12 36 04.8 -1.2 AB31 Akbulak array 15.74 327 P P 12 36 04.8 -1.2

AB31 Akbulak array 15.74 327 eP P 12 36 24.8 -1.3 VOSK Vostochnaya 16.17 356 P P 12 36 30.4 -1.1

VOSK Vostochnaya 16.17 356 P P 12 36 30.4 -1.1 VOSK Vostochnaya 16.17 356 P P 12 36 30.4 -1.1

BVA0 Borovoye Array 16.50 355 P P 12 36 35.7 0.0 BVA0 Borovoye Array 16.50 355 P P 12 36 35.7 0.0

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

BRVK Borovoye 16.50 355 P P 12 36 35.8 0.0 BRVK Borovoye 16.50 355 eP P 12 36 35.1 -1.2

LSA Lhasa 16.81 109 P P 12 36 45.7 +7.7 LSA Lhasa 16.81 109 eP P 12 36 44.2 +4.5

CHZK Chkalovo 17.14 356 P P 12 36 42.4 -1.3 CHZK Chkalovo 17.14 356 P P 12 36 42.4 -1.3

CHZK comp=Z, 10nm, 2.0s 12 36 40.6 +15 CHZK comp=Z, 30nm, 2.5s 12 36 40.6 +15

CHZK Chkalovo 17.14 356 eP P 12 36 42.8 -0.9 CHZK Chkalovo 17.14 356 eP P 12 36 42.8 -0.9

POO Poona 18.03 177 eP P 12 37 01.0 +5.9 POO Poona 18.03 177 eP P 12 37 01.0 +5.9

NVS Novosibirsk 19.59 18 eP P 12 37 13.4 +0.1 NVS Novosibirsk 19.59 18 eP P 12 37 13.4 +0.1

NVS comp=Z, 16nm, 1.1s 12 37 13.4 +0.1 NVS comp=N, 15nm, 0.8s 12 37 13.4 +0.1

SHL Shillong 19.65 119 eP P 12 37 15.3 +1.3 SHL Shillong 19.65 119 eP P 12 37 15.3 +1.3

HYB Hyderabad 19.78 164 eP P 12 37 15.0 -0.6 HYB Hyderabad 19.78 164 eP P 12 37 15.0 -0.6

HYB Hyderabad 19.78 164 eP P 12 37 15.0 -0.6 HYB Hyderabad 19.78 164 eP P 12 37 15.0 -0.6

GTA Gaotai 21.43 74 eP P 12 37 33.5 +2.4 GTA Gaotai 21.43 74 eP P 12 37 33.5 +2.4

GTA comp=Z, 3.0nm, 1.0s, mb3.6 12 37 57.3 +0.4 GTA comp=Z, 101nm, 5.3s 12 37 57.3 +0.4

GTA comp=N, 247nm, 13.7s, MS3.9 12 37 57.3 +0.4 GTA comp=E, 223nm, 13.7s, MS3.9 12 37 57.3 +0.4

ARU Arti 22.04 339 eP P 12 37 45.8 +7.3 CUD Cuddapah 26.27 165 eP P 12 37 45.8 +0.6

CUD Cuddapah 26.27 165 eP P 12 37 45.8 +0.6 CUD Cuddapah 26.27 165 eP P 12 37 45.8 +0.6

Gofitskoye 23.96 300 P P 12 38 03.0 +5.6 Gofitskoye 23.96 300 P P 12 38 03.0 +5.6

LZH Lanzhou 24.95 82 eP P 12 38 14.8 +7.7 LZH Lanzhou 24.95 82 eP P 12 38 14.8 +7.7

LZH Lanzhou 24.95 82 eP P 12 38 14.8 +7.7 LZH Lanzhou 24.95 82 eP P 12 38 14.8 +7.7

LZH comp=Z, 31nm, 1.5s, mb4.6 12 38 14.8 +7.7 LZH comp=N, 379nm, 13.0s 12 38 14.8 +7.7

LZH comp=Z, 491nm, 17.2s, MS4.1 12 38 14.8 +7.7 LZH comp=Z, 31nm, 1.5s, mb4.6 12 38 14.8 +7.7

LZH comp=Z, 31nm, 1.5s, mb4.6 12 38 22.6 +0.6 LZH comp=Z, 31nm, 1.5s, mb4.6 12 38 22.6 +0.6

LZH comp=Z, 31nm, 1.5s, mb4.6 12 38 25.3 +4.1 LZH comp=Z, 490nm, 17.2s, MS4.1 12 38 25.3 +4.1

MOY Mondy 25.00 44 eP P 12 38 15.0 +7.6 ZAK Zakanask 25.82 48 eP P 12 38 15.0 +7.6

SONM Songino Array 27.07 55 P P 12 38 28.1 +1.4 ULAB Ulanbaatar 27.51 55 eP P 12 38 36.4 +5.7

CMAR Chiang Mai Arr 29.24 121 P P 12 38 50.0 +3.6 CMAR Chiang Mai Arr 29.24 121 P P 12 38 50.0 +3.6

CMAR comp=Z, 5.5nm, 0.8s, mb4.2 12 38 50.0 +3.6 CMAR comp=Z, 2.6nm, 0.8s, mb4.0, baz=310, slow=9.9, SNR=8.9 12 38 50.0 +3.6

CMAR Chiang Mai Arr 29.24 121 P P 12 38 50.1 +3.6 CMAR comp=Z, 3.0nm, 0.8s 12 38 50.1 +3.6

CMAR comp=Z, 3.0nm, 0.8s 12 38 50.1 +3.6 CMAR comp=Z, 3.0nm, 0.8s 12 38 50.1 +3.6

CMAR Chiang Mai Arr 29.24 121 P P 12 38 50.0 +3.6 CMAR comp=Z, 3.0nm, 0.8s 12 38 50.0 +3.6

ASF Jabal al Asfar 29.86 272 LR LR 12 53 35.8 CMAR comp=Z, 1.95nm, 19.7s, MS3.6, baz=210, slow=4z 12 53 35.8

BRTR Keskin Array B 30.80 288 P P 12 38 59.4 -0.8 BRTR Keskin Array B 30.80 288 P P 12 38 59.4 -0.8

BRTR Keskin Array B 30.80 288 P P 12 38 59.4 -0.8 BRTR Keskin Array B 30.80 288 P P 12 38 59.4 -0.8

OBN Obninsk 30.82 318 eP P 12 39 06.4 +6.2 OBN Obninsk 30.82 318 eP P 12 39 06.4 +6.2

OBN comp=Z, 2.0nm, 0.7s 12 39 06.4 +6.2 OBN comp=Z, 2.1nm, 1.2s, mb4.8 12 39 06.4 +6.2

OBN comp=Z, 100nm, 16.0s, MS3.6 12 39 06.4 +6.2 OBN comp=Z, 100nm, 16.0s, MS3.6 12 39 06.4 +6.2

AKASG Malin Array Be 34.02 308 P P 12 39 26.7 -1.4 AKASG Malin Array Be 34.02 308 P P 12 39 26.7 -1.4

AKASG Malin Array Be 34.02 308 P P 12 39 26.7 -1.4 AKASG Malin Array Be 34.02 308 P P 12 39 26.7 -1.4

MLR Muntele Rosu 36.01 299 P P 12 39 46.3 +1.2 MLR Muntele Rosu 36.01 299 P P 12 39 46.3 +1.2



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

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

IDC 28 12:40:55.8,2.1, 27.53N,56.05E,mb3.7/4,mb1 3.8/4, s-min=35.1km az=33.0, Southern Iran

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

IDC 28 12:47:07.8,0.9,14.7S,20.2,175.2W,0.2,h33km,n8, o=41/8,mb3.8/6,Samoa Islands region

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

MOS 28 12:55:52.9,1.4, 53.70N,161.83E,h20km,mb4.2/3, Error ellipse: s-maj=14.9km s-min=9.6km az=78.3

KRSC 28 12:55:56.3, 53.79N,161.47E,h23km,ML4.1 IDC 28 12:55:56.5, 53.83N,161.72E,h28km,mb3.5/7, mb1 3.8/8,mb1mx3.5/21,ML3.9/2, Error ellipse: s-maj=24.1km s-min=13.4km az=2.0

NEIC 28 12:55:57.3,0.8, 53.75N,161.69E,h40km,mb4.7/2, Error ellipse: s-maj=24.3km s-min=13.5km az=17.0

ISC 28 12:55:57.0, 4.4, 53.69N,0.02,-161.78E,0.05,h20km,n57, a123/94,mb4.0/8, East coast of Kamchatka

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

Peninsula

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

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

BUJ 28 13:18:51.3, 1.33S,133.30E,h12km,mb5.1,mb4.9,MS4.5, MS2.4

IDC 28 13:18:57.0,0.5, 0.49S,133.08E,mb4.8/14,mb1 4.8/17, mb1mx4.8/21,ML4.7/2,MS3.9/8,MS1 4.0/8,ms1mx3.6/24, Error ellipse: s-maj=24.7km s-min=12.2km az=70.0

HRVD 28 13:18:58.9,0.4, 0.46S,133.17E,h2 km,ML4.9/38, Centroid moment Tensor solution. L body waves: s19,c24,Mantle waves: s38,c63; Half duration: 0 Moment tensor: Scale 10^19Nm; Mr1-2.52; Mw: Mw-2.07; 12; Mw-0.45; 14; Mw-1.15; 18; Mw-0.92; 08; Mr1.4; 27; Best double couple: M3.09x10^16 NP1:phi=102.1,delta=1.66; NP2:phi=309,delta=1.03. Principal axes: T 3.19,Plg69; Azm246; N-2,Plg12; Azm123; P-2.99,Plg17; Azm29; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

SYO 28 13:18:58.8, 0.47S,133.04E,h12km,MB5.0, NEIC 28 13:18:58.9, 0.47S,133.04E,h12km,mb5.0/21, Error ellipse: s-maj=7.4km s-min=4.2km az=63.0

MOS 28 13:19:00.2, 1.1, 0.56S,132.85E,h33km,mb5.2/8, Error ellipse: s-maj=36.7km s-min=12.5km az=119.4

ISC 28 13:18:57.9,1.5, 0.60S,0.04,-132.99E,0.07,h15km,10km, h10km,2.8km,PP-P,N108,phi13/111,mb4.9/50,MS4.0/19, 10C-2D, Irian Jaya region

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

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

28d 14h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists various stations like SEY, KSH, CASY, NURS, KURK, etc.

NEIC 28 13:27:14.5, 44.44N, 6.79E, h2km, ML2.5(GEN), ML2.3(LDG), After LDG. LDG 28 13:27:14.5, 0.1, 44.44N, 6.79E, h2km, Md2, 6/3, M12, 3/7. Error ellipse: s-maj=2.0km s-min=0.9km az=80.0. STR 28 13:27:15.4, 0.1, 44.44N, 6.84E, h5km, 1km, M12, 1, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0. ISC 28 13:27:13.7, 0.3, 44.42N, 0.02, 6.76E, 0.03, h8km, 3km, n28, -0851/52, France

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

2004 JUL

Table with columns: SBF, Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists stations like MONES, ORIF, ROB, etc.

NEIC 28 13:27:49.6, 2.4, 20.39S, 177.80W, h534km, 26km, mb4.5/10. Error ellipse: s-maj=14.3km s-min=12.6km az=200.0. IDC 28 13:27:50.5, 2.6, 20.45S, 177.79W, h542km, 30km, mb3.7/15, mb1 3.8/16, mb1mx3.7/20. Error ellipse: s-maj=21.2km s-min=12.8km az=157.0. ISC 28 13:27:47.9, 2.0, 20.45S, 177.86W, 0.09, h520km, 23km, n47, -080/34, mb4.2/21, 1C-1D, Fiji Islands region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists stations like JMA, TAP, ISC, etc.

600

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists stations like FITZ, WRA, NWAO, etc.

HEL 28 13:51:49.7, 0.4, 60.86N, 29.28E, ML1.9, ML2.4(NAO), Explosion. NAO 28 13:51:49.2, 2.9, 60.77N, 29.01E, ML2.4. IDC 28 13:51:51.5, 1.9, 60.90N, 29.00E, mb1 3.1/3, mb1mx3.0/18, ML2.9/3, Error ellipse: s-maj=20.3km s-min=11.8km az=174.0. BER 28 13:51:51.3, 3.6, 60.91N, 29.01E, ML2.4(NAO), Suspected explosion. ISC 28 13:51:44.7, 1.7, 60.83N, 0.08, 29.5E, 0.2, n14, r1527/19, Baltic States - Belarus - Northwestern Russia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists stations like VJF, FIAO, FIAO, etc.

NIED 28 13:54:00, 32.00N, 183.170E, h44km, Mw4.1 Best double couple: M1, 72x1015 N1, 91x1633, 871°, 1, -89°. NP2: 6, 340°, 619°, 1, -93°. JMA 28 13:54:13.5, 0.1, 31.97N, 131.71E, h41km, 1km, M3.9. Error ellipse: s-maj=1.0km s-min=0.5km az=286°. IZO 84° - 101.0m, NP2=25, 848°, 1, -77°. Principal axes: T P1g2°, Azm206°; N P1g1°, Azm296°; P P1g80°, Azm105°. JMA Felt 1/4. NEIC 28 13:54:14.3, 0.9, 31.91N, 131.64E, h44km, 10km Error ellipse: s-maj=15.0km s-min=9.3km az=111.0. NEIC Recorded [1 JMA] in Miyazaki Prefecture. IDC 28 13:54:14.8, 0.8, 31.82N, 131.54E, h50km, 8km, mb3.3/6, mb1 3.7/7, mb1mx3.2/21, MS3.3/1, Ms1 3.5/1, ms1mx2.9/16, Error ellipse: s-maj=19.2km s-min=7.2km az=78.0. ISC 28 13:54:12.9, 0.7, 31.93N, 0.04, 131.78E, 0.08, h45km, 8km, ML2.9, 2.9km, pp-P, n17, -094/23, mb3.6/6, MS3.2/1, 4C-2D, Kyushu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists stations like JTSN, JTN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists stations like RAC, OKC, etc.

Table with columns: NIE, DPC, DPC, KSP, KSP, KSP, KSP, KSP, KSP, KSP, PRVC, PRU, KHC, KHC, KHC. Includes station names like Dobruska-Polom, Ksiadz, Panska Ves, Pruhonice, Kasperske Hory, Novy Kostel.

IDC 28 14:29:35.4:1.0, 0.33S:132.96E, mb3.8/7, mb1 4.1/9, mb1mx4.0/15, ML4.0/2, MS3.1/1, Ms1 3.1/1, ms1mx2.8/18, Error ellipse: s-maj=42.3km s-min=17.4km az=69.0, NEIC 28 14:29:36.9:4.0, 0.27S:132.98E, h8km, 59km, mb4.2/4, Error ellipse: s-maj=25.6km s-min=10.2km az=57.0, ISC 28 14:29:39.0:3.0, 0.53S:107.132.6E:0.2, h35km, 28km, n19, s121/24, mb3.8/8, Irian Jaya region

Main table for station data in the 601 column, including columns for Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists stations like KAKA, FITZ, WRA, WBA, ASPA, CTA, CTAO, STKA, CMAR, MKAR, MKUR, VANDA, ILAR, QSPA, TAP, JMA, etc.

TAP 28 14:58:28.4, 23.84N:122.54E, h22km, 1km, ML2.5, JMA 28 14:58:31.5:0.3, 24.09N:122.48E, h36km, ML1.5, ISC 28 14:58:31.0:3.1, 24.1N:0.4:122.5E:0.3, h27km, 35km, n5, s024/9, Taiwan region

Table for station data in the 601 column, including stations like YOJ, IRIF, HATER, JKRS, JIJ, etc.

BER 28 15:10:42.1:2.4, 76.07N:7.51E, h19km, 77km, ML2.1(NAO), NAO 28 15:10:42.2:17.0, 76.05N:8.92E, h12km, 127km, ML2.1, Svalbard region

Table for station data in the 601 column, including stations like HSP, SPAO, KBS, ARAO, etc.

IDC 28 15:18:09.5:2.1, 6.65S:155.49E, mb3.7/4, mb1 4.0/6, mb1mx3.8/14, ML2.9/1, MS2.8/1, Ms1 2.8/1, ms1mx2.4/13, Error ellipse: s-maj=53.6km s-min=29.4km az=119.0, ISC 28 15:18:12.7:1.4, 6.75S:155.5E:0.1, h33km, n6, s070/7, mb3.7/4, Bougainville - Solomon Islands region

Main table for station data in the 601 column, including stations like PMG, WTA, WRA, CMAR, SONM, MKAR, etc.

STR 28 16:25:17.0:0.6, 47.24N:6.48E, h10km, 1km, ML2.7, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0, BGR 28 16:25:17.9:0.8, 47.32N:6.52E, h10km, ML2.3/2, Error ellipse: s-maj=5.6km s-min=4.4km az=44.0, ZUR 28 16:25:17.6, 47.34N:6.50E, h4km, ML2.5(LD), NEIC 28 16:25:18.3:47.31N:6.50E, h4km, ML3.0(LD), ML2.7(STR), ML2.5(ZUR), After LDG, LDG 28 16:25:18.3:0.1, 47.31N:6.59E, h4km, Md3.0/2, Md3.0/26, Error ellipse: s-maj=1.4km s-min=1.2km az=104.0, ISC 28 16:25:16.4:0.2, 47.30N:0.1:6.50E:0.02, h7km, 2km, n57, s120/113, 2C-3D, France

Main table for station data in the 601 column, including stations like LOMF, BRANT, BOURR, HINF, etc.

TORNY Torny 24nm, 1.1s 0.61 149.1j/Pg Pg 16 25 30.0 +1.4

Main table for station data in the 601 column, including stations like TORNY, TORNY, MOF, MOF, BBS, HAU, HAU, CABB, CABB, BALST, THEF, THEF, AIGLE, SULZ, KELD, FELD, SALAN, CDF, WLS, WLS, ZUR, SLE, SLE, SLE, SLE, MEZF, MEZF, MEZF, BFO, BFO, WILA, WILA, MCGN, LPL, LOR, LOR, LOR, LOR, LPG, LPG, SMF, SMF, KAMOR, SSF, VAI, VAI, WLF, WLF, ORIF, ORIF, MBDF, MBDF, BGF, BGF, WLF, WLF, GIVF, TCF, TCF, BAIF, SMRF, LASF, FRF, FRF, CAM, CAM, LDF, WET, KHC, KHC, KHC, KHC, CLL, PRU, etc.

mb3.1/6, mb1 3.4/6, mb1mx3.2/14, Error ellipse: s-maj=37.4km s-min=26.5km az=33.0, NEIC 28 16:34:08.3:0.8, 17.85S:178.69W, h500km, mb4.0/2, Error ellipse: s-maj=19.6km s-min=15.5km az=152.0, ISC 28 16:34:08.3:0.8, 17.85S:178.7W:0.2, h500km, n12, s067/12, mb3.5/7, 1D, Fiji Islands region

Table for station data in the 601 column, including stations like URZ, STKA, STKA, WRA, ASPA, KAKA, VANDA, VANDA, QSPA, NVAR, PDAR, etc.

NEIC 28 16:39:02.0:0.7, 6.69N:72.99W, h169km, 11km, Error ellipse: s-maj=30.3km s-min=10.0km az=128.0, IDC 28 16:39:10.1:2.5, 6.71N:73.11W, h172km, 22km, mb3.4/6, mb1 3.7/7, mb1mx3.4/21, MS3.2/2, Ms1 3.2/2, ms1mx2.8/15, Error ellipse: s-maj=47.3km s-min=28.0km az=96.0, ISC 28 16:39:08.3:1.2, 6.7N:0.3:72.9W:0.3, h183km, 23km, n13, s043/11, mb3.6/6, Northern Colombia

Main table for station data in the 601 column, including stations like ROSC, ROSC, SDV, OTAV, LPAZ, LPAZ, BDFB, BDFB, ULM, ULM, SCHO, PDAR, NVAR, YKA, YKA, WRA, etc.

JMA 28 16:44:03.6, 24.43N:123.27E, TAP 28 16:44:12.3, 24.64N:122.43E, h6km, ML1.9, ISC 28 16:44:03.9:0.8, 24.4N:0.1:123.28E:0.04, h10km, n6, s039/9, Southwestern Ryukyu Islands

Table for station data in the 601 column, including stations like YOJ, YOJ, IRIF, IRIF, HAJT, JKRS, JIJ, JTJ, etc.

IDC 28 16:44:46.6:1.0, 20.247N:143.07E, h23km, 5km, mb3.6/8, mb1 3.9/9, mb1mx3.8/21, ML4.3/1, MS3.1/5, Ms1 3.2/5, ms1mx2.9/24, Error ellipse: s-maj=29.6km s-min=18.9km az=99.0, NEIC 28 16:44:50.0:0.8, 20.41N:143.22E, h50km, mb3.9/1, Error ellipse: s-maj=25.4km s-min=15.4km az=92.0, ISC 28 16:44:44.8:0.8, 20.49N:0.09:143.2E:0.2, h23km, (h23km, 1.4km, p-P), n16, s122/12, mb3.7/9, MS3.1/4, Mariana Islands region

Main table for station data in the 601 column, including stations like CBU, CBU, TJU, TGy, SONM, SONM, CTM, WBA, WBA, WRA, WRA, CMAR, FITZ, MKAR, MKAR, MKAR, ILAR, ILAR, BRVK, INUK, NVAR, FINES, FINES, etc.

LDG 28 17:03:38.7:0.1, 44.20N:6.50E, h2km, Md2.7/4, ML2.5/5, Error ellipse: s-maj=2.0km s-min=1.3km az=58.0, STR 28 17:03:39.0:0.2, 44.21N:6.54E, h10km, 1km, ML2.1, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0, NEIC 28 17:03:39.0:0.2, 44.21N:6.54E, h10km, 1km, ML2.1, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0, ISC 28 17:03:38.0:0.3, 44.20N:0.02:6.50E:0.03, h13km, 3km, n30, s095/55, France

Main table for station data in the 601 column, including stations like OG25, SURF, CALN, CALN, PZZ, MVIF, MBDF, etc.

IDC 28 16:34:06.2:9.7, 17.67S:178.60W, h462km, 114km,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Mont Tournerai, Sta Anna Valdi, La Foret Royal, etc.

NEIC 28 17:06:49.4, 38.48S:176.01E, h133km, After WEL. WEL 28 17:06:49.4, 38.48S:176.02E, h135km, 2km, ML4.5/11, 19C-7D, Error ellipse: s-maj=1.3km s-min=1.2km az=90.0, North Island

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists numerous stations including Paeroa, Wairara, Utuhina, etc.

Table with columns: PAWZ, Paruwai Farm, PAWZ, Wellington, MSELW, Mokuauka Station, etc. Includes station codes and coordinates.

NIED 28 17:11:00, 28.20N:142.10E, h59km, Mw4.2 Best double. IDIC 28 17:11:09.2, 1.8, 28.23N:141.77E, h45km, 20km, mb3/1.4, mb1.4/0.15, mb1mx3.9/2.2, ML3.3/1.0, Ms1.3/0.1, ms1mx2.7/2.3, Error ellipse: s-maj=22.1km s-min=14.7km az=74.0

NEIC 28 17:11:11.4, 1.5, 28.23N:141.74E, h66km, 13km, mb4.0/5, Error ellipse: s-maj=12.5km s-min=7.1km az=88.0

ISC 28 17:11:07.6, 0.6, 28.29N:104.141.7E, 0.1, h48.0km, n45, c193/52, mb4.0/18, D, Bonin Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like Chichi jima, Boso 1, Boso 2, etc.

ISC 28 17:55:33.5, 36.77N:27.43E, h11km, MD3.2 AT 28 17:55:37.1, 37.15N:27.86E, h10km, MD3/3

ISC 28 17:55:40.1, 0.7, 36.93N:104.27.73E, 0.05, h10km, n12, c130/17, 1C, Dodecanese Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like Kayabasi, Milas, Nelson, etc.

Table with columns: ARG, Arkhangelos, DNZL, Cakirokul, DNZL, Denizli, KANT, Karpathos, etc. Includes station codes and coordinates.

LGD 28 18:19:10.6, 0.2, 21.85S:169.30E, h10km, Mb4.6/2, Error ellipse: s-maj=24.8km s-min=17.9km az=29.0

BUL 28 18:19:28.1, 2.1, 90S:169.40E, h160km, mb4.5, mb4.3, NEIC 28 18:19:31.1, 7.6, 2.1, 90S:169.43E, h161km, mb4.5, mb4.1/5, NEIC 28 18:19:48.2, 13.0, 21.70S:168.79E, h297km, 123km, mb3.2/9, mb1.3/1.4, mb1mx3.4/1.4, MS3.8/5, Ms1.3/7.5, ms1mx3.5/1.9, Error ellipse: s-maj=62.0km s-min=23.7km az=59.0

ISC 28 18:19:13.3, 3.3, 7.21.7S:0.1x169.70E, 0.08, h24km, 25km, n68, c116/25, mb4.0/13, MS3.7/5, 3C-2D, Southeast of Loyalty Islands

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists numerous stations including Mont Dzumac, Port Laguerre, Butte a Klehm, etc.

WEL 28 18:20:15.5, 0.3, 40.17S:173.92E, h98km, 3km, ML3.5/1, Error ellipse: s-maj=1.9km s-min=1.7km az=90.0

ISC 28 18:20:15.1, 1.7, 40.20S:0.08, 173.92E, 0.09, h98km, 15km, n7, c084/14, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like Wanganui, Nelson, Tuamarina, etc.

Table with 4 columns: Station Name, Time, Res, and other identifiers.

NEIC 28 18:45:00.5-0.8, 8.06S, 119.95E, h188km, 10km, mb4.0/5, Error ellipse: s-maj=15.0km s-min=6.7km az=217.0

Table with 4 columns: Code, Station Name, Time, Res. Lists stations like KEDI, RATI, INGI, etc.

Table with 4 columns: Code, Station Name, Time, Res. Lists stations like MATI, BIPH, MUSAN, etc.

Table with 4 columns: Code, Station Name, Time, Res. Lists stations like YASR, KROS, KLR, etc.

IDC 28 18:57:08.3-5.4, 0.54N, 126.62E, h77km, 55km, mb3.5/5, s-min=16.7km az=70.0

Table with 4 columns: Code, Station Name, Time, Res. Lists stations like TGy, FITZ, WRA, etc.

Table with 4 columns: Station Name, Time, Res, and other identifiers. Lists stations like SONM, MKAR, KURK, etc.

STR 28 19:22:1.6-0.4, 47.06N, 7.82E, h5km, 1km, M11.8, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

Table with 4 columns: Code, Station Name, Time, Res. Lists stations like BALST, WIMIS, BOURN, etc.

Table with 4 columns: Code, Station Name, Time, Res. Lists stations like HIN, MOF, FUSIO, etc.

STR 28 19:52:36.7-0.4, 43.16N, 1.34W, h10km, 1km, M12.1, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

Table with 4 columns: Code, Station Name, Time, Res. Lists stations like SJJF, OSSF, EALK, etc.

NEIC 28 20:06:35.7, 28.24S, 71.08W, h33km, ML3.6(GUC), After GUC.

Table with 4 columns: Code, Station Name, Time, Res. Lists stations like VACH, CPCH, LSCH, etc.

Table with 4 columns: TLL, comp=E, 399nm, 0.8s, AMP, 20 07 42.9

STR 28 20:13:22.7-0.4, 4.3.16N, 1.34W, h10km, 1km, M12.0, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

Table with 4 columns: Code, Station Name, Time, Res. Lists stations like SJJF, OSSF, EALK, etc.

PRU 28 20:13:38.6, 50.27N, 19.00E, WAR 28 20:13:39.0, 50.20N, 19.14E, h1km, Location given by Central Institute of Mining, origin time based upon NIE.

Table with 4 columns: Code, Station Name, Time, Res. Lists stations like OJC, RAC, Ostrava-Krasne, etc.

MDD 28 20:16:32.6-0.6, 40.63N, 7.24W, mbLg1.3/6, Error ellipse: s-maj=4.9km s-min=2.9km az=105.0, PRXIMO

Table with 4 columns: Code, Station Name, Time, Res. Lists stations like MTE, MTE, PVIS, etc.

MDD 28 20:16:33.1-1.2, 40.61N, 7.30W, h15km, 9km, MLO.8, Error ellipse: s-maj=6.8km s-min=3.9km az=76.0

Table with 4 columns: Code, Station Name, Time, Res. Lists stations like PVRL, PCBR, PBRG, etc.

NEIC 28 20:19:42.9, 34.13N, 117.45W, h6km, ML3.8(PAS), After PAS.

Table with 4 columns: Code, Station Name, Time, Res. Lists stations like MWC, PFO, BAR, etc.





Table of astronomical observations for the date 28d 22h, including station names (e.g., NOA, WET, GRA1), frequency (e.g., comp-Z,353nm), and other technical data.

Main table of astronomical observations for 2004 JUL, including station names (e.g., EBEN, ELAN, ETOB), frequency, and technical data.

Table of astronomical observations for the date 606, including station names (e.g., EJIF, EMIJ, EMU), frequency, and technical data.

INMG 28 22:42:09.4z 1,3,36.60N:5.21W, h41km, 7mk, ML2.9, Error ellipse: s-maj=4.3km s-min=2.9km az=7.0 NEIC 28 22:42:09.0z 36.53N:5.17W, h41km, MG4.3(MDD), After MDD LDG 28 22:42:09.3z 0.2,36.53N:5.20W, h30km, Mi3.1/4, Error ellipse: s-maj=4.9km s-min=2.5km az=164.0 MDD 28 22:42:09.0z 36.53N:5.15W, h43km, 4km, mb4.3/27, 16C-7D, Error ellipse: s-maj=5.3km s-min=2.4km az=173.0, PRXIMO, Strait of Gibraltar

Summary table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, h, m, s, ISC.



Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Zamans, San Caprasio, Callao Caves, Conner, Cauyan, Hateruma jima, etc.

KRSC 28.03:06:18.9, 55.13N; 162.20E, h32km, ML4.0
MOS 28.03:06:18.9-0.9, 55.13N; 162.20E, h32km, mb4.0/1, Error ellipse: s-maj=29.6km s-min=1.6km az=75.0

Main table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Lists numerous stations and their observations.

NIED 28.03:09:00, 20.70N; 122.60E, h5km, Mw3.6 Best double couple: M3.2x10^14 N1P1; 104.86S; 147. NP2; 350, 348; 114E

JMA 28.03:09:27.6-0.6, 20.66N; 122.59E, M4.1
ISC 28.03:09:23.9-0.4, 20.27N; 0.03; 122.39E; 0.6, h31km, n13, o150/25, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes station Basco.

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like Mt. Cagua, Callao Caves, Conner, Cauyan, Hateruma jima, etc.

BUI 28.23:13:22.0, 33.53S; 179.23W, h86km, mB5.2, mb5.1, Ms4.9, Ms24.6
MOS 28.23:13:23.8; 1.2, 33.38S; 179.63W, h81km, mb5.6/1, Error ellipse: s-maj=30.6km s-min=20.3km az=2.3

HRVD 28.23:13:24.2, 0.3, 33.74S; 179.15W, h56km, 1km, MW5.1/48, Centroid moment Tensor Solution: LP body waves: s48, c80, Mantle waves: s46, c80; Half duration: 0. Moment tensor: Scale 10^16Nm; Mw5.23; 26; Mw0.01; 24; Mw=5.25; 22; Mw0.38; 20; Mw=3.08; 25; Mw1.50; 18; Best double couple: Mo.6.15x10^16 NP1; 209; 88; 196; NP2; 20; 85; 2; 85; Principal axes: T.5.44, P1g82; Azm265; N.1.41, P1g4; Azm24; P-6.86, P1g7; Azm114; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

SYO 28.23:13:24.1, 33.87S; 179.72W, h85km, MB5.1, IDC 28.23:13:24.4, 1.8, 33.51S; 179.62W, h80km, 14km, mb4.6/14, mb1.4/7.16, mb1mx4.7/16, MS4.4/16, Ms1.4/4.16, ms1mx4.4/21, Error ellipse: s-maj=19.5km s-min=11.7km az=2.0

NEIC 28.23:13:24.2, 1.2, 33.87S; 179.72W, h85km, 10km, mb5.1/33, Error ellipse: s-maj=8.5km s-min=6.3km az=164.0
ISC 28.23:13:22.0, 0.9, 34.09S; 0.05; 179.67W; 0.06, h78km, 8km, n328, o192/127, mb5.0/45, 5C-4D, South of Kermadec Islands

Main table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Lists numerous stations and their observations.

Main table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Warramunga Arr, Forrester, Scott Base, Vanda, Kaka, Fitzroy Crossi, etc.

Table with columns: CPUP, PDAR, BOZ, MCK, ILAR, SONM, INK, YKA, SUR, ULM, BDBF, BDFB, WHQ, WMO, MKAR, NYS, RKS, NCB, LSZ, CHZK, BVAR, BRVK, KMBQ, KMBQ, DUMG, SUMG, KAMS, KEV, ARCES, ARCES, ARCES, HKR, TVAN, JOF, JOF, VAN, KIV, KIV, MOS, MOS, MOS, MOS, BTMT, MORB, MORB, UMJS, BEST, ERZM, EZM, VOR, VOR, OBN, OBN, OBN, BINT, DIY, FINES, FINES, EZC, GUMT, TBKS, ALWS, HAQS, SVSK, KAHT, AQBQ, EIL, MBH, ZFR1, MZDA, KSHT, PRNI, DRGT, DRGT, HRI, KMTI, COBT, MMLI, MASH, SLTI, HNTI, KAFB, HAF, MOL, MOL, MOL, LIC, LIC, BOYT, AVNT, KIG, KIG

Table with columns: NB2, NB2, NOA, NOA, TIC, DBIC, DBIC, FOO, FOO, FOO, FOO, BAL, AKASG, AKASG, SAGT, SGKT, SIK, ORNL, BLD, BUD, MUD, COP, COP, BSEG, MOR, VYHS, VYHS, VYHS, VYHS, CLL, CLL, CLL, CLZ, PRU, PRU, ZST, MOX, MOX, MOX, WTSB, KHC, GEC, GEC, GEC, WET, GRA, GRA, GRA, GRS, GRS, GRS, GRS, HAU, HMF, HMF, LOR, ROSF, SGMF, LOR, LOR, CABF, SSF, AVF, SMF, BGF, MFL, LPL, LPL, TCF, BND, BND, ORIF, ORIF, ORIF, SFB, STS, STS, CAF, PFF, PFF, LMR, LASF, LASF, ELOB, ERUA

Table with columns: ECAL, ELAN, MTLF, SJPF, EPF, ETSF, EGRO, EVO, EVO, ESAC, EBD, GUD, EPOB, EGRO, EMIN, EMIN, ESDC, ESDC, EMOS, EHA, EHA, ELUO, ELUO, ETOB, ETOB, EMES, EMES

NIED 28 23:28:00, 20.60N, 122.50E, h11km, Mw3.8 Best double couple: Ms=4.6x10^14 NP1=89, 87N, 125E. NP2=351, 867N, 159E. JMA 28 23:28:00, 7.0, 4.20, 85N, 122.50E, M4.7 IDC 28 23:28:01, 2.3, 9.20, 30N, 122.58E, h40km, 35km, mb3.9/12, mb1.4/13, mb1mx3.9/20, ML4.5/1, Error ellipse: 4.5maj=24.0km s-min=20.8km az=128.0 NEIC 28 23:28:02, 2.0, 20.26N, 122.56E, h52km, 18km, mb4.6/1, Error ellipse: s-maj=16.7km s-min=15.6km az=120.0 ISC 28 23:27:57.8, 0.8, 20.29N, 0.03, 122.45E-0.06, h29km, 7km, n39, r125/7, mb4.0/13, Philippine Islands region

Table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, ISC, h m s ISC

NEIC 28 23:27:57.5, 0.5, 33.32S, 179.09W, h41km, 38km, mb4.3/3, Error ellipse: s-maj=47.0km s-min=23.0km az=224.0 IDC 28 23:28:09.5, 0.5, 34.69S, 179.47W, h150km, 41km, mb3.9/5, mb1.4/7, mb1mx3.8/16, MS3.8/1, Ms1.3/7, ms1mx3.3/12, Error ellipse: s-maj=43.7km s-min=24.3km az=37.0 ISC 28 23:28:05.6, 1.4, 34.57S-0.08, 179.4W-0.2, h134km, 12km, n58, r117/53, mb4.1/6, 2C-1D, South of Kermadec Islands

Table with columns: Code, Station Name, A° AZ', Phase ID, Time Res, ISC, h m s ISC

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like FWVZ, MTW, KIWI, etc.

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like KTK1, TRO, SGF, etc.

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like HHC, WMQ, CN2, etc.

NIED 28 23:57:00, 20.70N, 122.50E, h35km, Mw4.2 Best double couple: M2.14x10^15 NP1.0x206, 880, lambda=99. NP2.0x70, 814, lambda=77.

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like JMA, ISC, BBP, etc.

JMA 28 23:34:53.9, 0.2, 42.74N, 142.07E, h138km, 2km, M3.4 NEIC 28 23:34:55.0, 1.0, 42.73N, 142.11E, h147km, 10km, mb3.9/2.

MAN 29 00:13:38.2, 20.01N, 122.13E, h1km, mb3.8, ML2.5, MS2.0, Philippine Islands region

ISC 29 00:33:03.3, 2.1, 33.39S, 179.73W, mb3.6/2, mb1 3.9/3, mb1mx3.7/1.4, ML3.7/1, Error ellipse: s-maj=54.4km, s-min=33.2km az=119.0, South of Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like JBT2, JEW, JFR, etc.

MAN 29 00:19:00.5, 5.70S, 105.30E, h18km, mb4.9, mb4.8, Ms4.3, Ms2.1 NEIC 29 00:19:00.5, 0.4, 5.67S, 105.25E, mb4.5/4, Error ellipse: s-maj=21.9km s-min=8.7km az=54.0

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like URZ, ARZ, WRA, etc.

ISC 29 00:18:58.1, 2.8, 5.60S, 0.10, 105.3E, 0.1, h13km, 16km, h18km, 7km; pp-P, n33, 0.098/30, mb4.2/20, MS4.4/3, Sunda Strait

MAN 29 00:34:44.8, 20.27N, 121.82E, h33km, mb3.8, ML2.5, MS2.0, 1C, Philippine Islands region

BER 28 23:36:13.5, 4.1, 67.83N, 20.26E, ML1.6, Suspected explosion HEL 28 23:36:14.3, 0.2, 67.89N, 20.13E, ML1.7, ML1.6(BER), Explosion, Sweden

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like FITZ, CMAR, KMI, etc.

NIED 29 00:36:00, 20.70N, 122.60E, h32km, Mw3.9 Best double couple: M9.29x10^14 NP1.0x184, 889, lambda=178. NP2.0x94, 888, lambda=176.

MAN 29 00:36:31.1, 20.30N, 121.90E, h31km, MS3.2 MAN F BASCO BATANES INTENSITY III JMA 29 00:36:32.0, 2.0, 30.69N, 122.58E, M4.4

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like BBP, BPP, SGCP, etc.

ISK 29 00:47:23.6, 36.61N, 44.64E, h5km, MD4.1, Iran-Iraq border region

Table listing astronomical objects with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC.

NIED 29.00:51.00, 20.70N, 122.60E, h32km, Mw3.8 Best double couple: M0.68x10^14 NP1.9s, 9, 8.84, lambda 134. NP2.9s105, 8.45, lambda 9.

MAN 29.00:51.37.8, 20.32N, 122.10E, h33km, MS3.1 MAN F BASCO BATANES INTENSITY II.

JMA 29.00:51.39.2, 20.5, 20.66N, 122.58E, M4.2

ISC 29.00:51.36.5, 0.4, 20.35N, 0.03, 122.36E, 0.07, h33km, n17, r15727, 1C, Philippine Islands region

Table listing stations in the Philippine Islands region with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC.

ISK 29.00:56:31.9, 36.47N, 44.45E, h5km, MD3.8

ISC 29.00:56:32.4, 2.1, 36.40N, 0.09, 44.5E, 0.2, h5km, n10, r09516, Iran-Iraq border region

Table listing stations in the Iran-Iraq border region with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC.

IGQ 29.01:07.01.9, 1.25S, 79.78W, h12km, 5km, mb4.2, Error ellipse: s-maj=2.8km, s-min=1.7km, az=122.9

ISC 29.01:07.01.6, 1.1, 1.40S, 0.09, 79.85W, 0.06, h10km, n27, r09030, 11C-7D, Ecuador

Table listing stations in the Ecuador region with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC.

NIED 29.01:12.00, 20.70N, 122.50E, h32km, Mw4.4 Best double couple: M0.83x10^15 NP1.9s, 6, 8.82, lambda 136. NP2.9s103, 8.46, lambda 11.

ISC 29.01:12.30.9, 0.20, 20.11N, 122.49E, mb4.0, 0.7, mb1 4/2.8, mb1mx4.0/19, ML4.5/1, MS3.2/1, Ms1 3.2/1, ms1mx2.6/25, Error ellipse: s-maj=29.4km, s-min=16.9km, az=71.0

NEIC 29.01:12.33.8, 3.7, 20.15N, 122.45E, h24km, 28km, mb4.3/7, Error ellipse: s-maj=13.3km, s-min=9.8km, az=68.0

NEIC Felt (III PWS) at Basco. MAN 29.01:12.34.7, 20.17N, 122.29E, h15km, mb4.3, ML3.1, MS2.8

MAN F BASCO BATANES INTENSITY II. BUJ 29.01:12.34.6, 20.25N, 122.10E, h16km, mb4.5, mb4.2

JMA 29.01:12.37.1, 0.4, 20.70N, 122.47E, M4.8

ISC 29.01:12.33.9, 0.3, 20.30N, 0.03, 122.45E, 0.05, h33km, n45, r0136/58, mb4.1/13, 1D, Philippine Islands region

Table listing stations in the Philippine Islands region with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC.

Table listing astronomical objects with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC.

NEIC 29.01:22:19.5, 59.86N, 151.55W, h68km, mb4.3/20, ML4.1(AEIC), ML4.1(PMR), After AEIC.

NEIC Felt (III) at Homer. IDC 29.01:22:20.5, 0.8, 60.09N, 151.53W, h88km, 5km, mb3.8/13, mb1 4.0/18, mb1mx3.9, 25, MS2.6/2, Ms1 2.6/2, ms1mx2.2/29, Error ellipse: s-maj=16.2km, s-min=12.5km

ISC 29.01:22:17.2, 0.2, 59.85N, 0.02, 151.50W, 0.03, h83km, 2km, h87km, 2.8km, pp-P, n174, r0892/214, mb4.1/31, 4C-1D, Kani Peninsula

Table listing stations in the Kani Peninsula region with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC.

Table listing astronomical objects with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC.







Table listing astronomical data for 29 days in July 2004. Columns include object name (e.g., CLL, GMNA, AQU), coordinates, and various parameters (P, S, M, etc.).

Table listing astronomical data for 29 days in July 2004. Columns include object name (e.g., NOUC, GRAM, NOAC), coordinates, and various parameters (P, S, M, etc.).

Table listing astronomical data for 29 days in July 2004. Columns include object name (e.g., BAIF, VIVF, TNA), coordinates, and various parameters (P, S, M, etc.).







Table with columns for station code, name, coordinates, and various parameters. Includes stations like DPC, KSP, KSI, ARSA, ARSA, ARSA, etc.

Table with columns for station code, name, coordinates, and various parameters. Includes stations like CDF, ROB, IMI, MONE, HMF, ENR, LND, LSR, SBF, etc.

Table with columns for station code, name, coordinates, and various parameters. Includes stations like EVO, PBEJ, INK, INK, INK, INK, etc.

MAN 29 02:07:56.0, 20.10N-122.18E, h2km, MS4.1
MAN F BASCO BATANES INTENSIFY II
JMA 29 02:07:57.6, 0.4, 20.66N-122.50E, M4.7
NEIC 29 02:07:59.1, 1.4, 20.25N-122.56E, h55km, 14km, mb4.4/8,
Error ellipse: s-maj=16.3km s-min=8.8km az=78.0
NEIC FEI (II PIVS) at Basco.
IDC 29 02:07:59.2, 2.9, 20.26N-122.59E, h56km, 29km, mb3.6/9,
mb1 3.8/10, mb1mxc3.7/19, ML4.7/2. Error ellipse:
s-maj=29.5km s-min=16.3km az=72.0
BUJ 29 02:08:09.2, 2.1, 29N-122.00E, h55km, mb4.2, ML3.7
ISC 29 02:07:55.0, 0.4, 20.30N-122.44E, 0.05, h35km, 6km,
n48, c1S1/65, mb4.1/18, 1C-3D, Philippine Islands

Table with columns for Code, Station Name, Az, Az', Op, Phase ID, Time Res, h m s ISC. Includes stations like BBP, BBP, BBP, BVP, etc.

Table with columns: Code, Station Name, Az, Op, Phase, ID, ISC, Time, Res, h, m, s, ISC. Includes stations like Colonia Sabana, San Juan, Cerro la Pandu, Canovanas, etc.

BUI 29 02:15:40.6, 11.87N-94.73E, h41km, mb5.1, mb4.7, Ms4.9, Ms24.6
NEIC 29 02:15:40.9, 0.3, 12.22N-94.81E, mb4.9/4.0, Error ellipse: s-maj=8.5km s-min=7.7km az=120.0
IDC 29 02:15:40.7, 0.6, 12.31N-94.86E, h17km, 2km, mb3.9/1.0, mb1.4, 0.1/1, mb1mx4.0/16, ML3.9/1, Error ellipse: s-maj=24.6km s-min=13.2km az=55.0

Main table of station data for the 29d 2h period. Columns include Code, Station Name, Az, Op, Phase, ID, ISC, Time, Res, h, m, s, ISC. Lists stations like Chiang Mai Arr, Shillong, Kunming, etc.

Table with columns: Code, Station Name, Az, Op, Phase, ID, ISC, Time, Res, h, m, s, ISC. Includes stations like Changchun, Borovoye Array, Novosibirsk, etc.

Main table of station data for the 2004 JUL period. Columns include Code, Station Name, Az, Op, Phase, ID, ISC, Time, Res, h, m, s, ISC. Lists stations like Borovoye Array, Novosibirsk, etc.

Table with columns: Code, Station Name, Az, Op, Phase, ID, ISC, Time, Res, h, m, s, ISC. Includes stations like Bad Segeberg, Clausthal, etc.

Main table of station data for the 618 period. Columns include Code, Station Name, Az, Op, Phase, ID, ISC, Time, Res, h, m, s, ISC. Lists stations like Bad Segeberg, Clausthal, etc.

BUI 29 02:18:34.5, 12.10N-94.68E, h19km, mb5.2, mb4.8, Ms5.0, Ms24.6
HRVD 29 02:18:37.0, 0.9, 12.49N-95.25E, h12km, MW4.8/39, Centroid moment Tensor Solution. LP body waves: s4,c4; Mantle waves: s39,c49; Half duration: 0. Moment tensor: Scale 1016Nm; Mr-1.39e; L4; Mw0.88e; L2; Mw0.50e; L6; M1.22e; S2; Mw0.87e; L0; Mw-0.92e; S2; Best double couple: Mb2.04x1016 Np1.3e27; S44; L-139; NP2; g46e; S63; L-54; Principal axes: P1.66; Plig17; Azm330; N.75; Plg32; Azim67; P-2.41; Plg56; Azm223; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

Main table of station data for the 618 period. Columns include Code, Station Name, Az, Op, Phase, ID, ISC, Time, Res, h, m, s, ISC. Lists stations like Chiang Mai Arr, Impha, etc.



29d 3h

ESDC	Sonsec Array	89.00 310	P	P	02 31 31.3 +0.2
SYO	SYOWA Base	89.84 197	IP	P	02 31 36.7 +2.3
SYO	SYOWA Base	89.84 197	IP	P	02 31 44.0 +3.4
EADA	Adamas	89.86 309	P	P	02 31 35.0 -0.2
SPU	Mount Spurr	89.99 26	eP	P	02 31 35.4 +0.2
MCK	McKinley	90.10 24	eP	P	02 31 35.5 -0.1
MCK	McKinley	90.10 24	eP	P	02 31 42.1 +0.2
ILAR	Eielson Array	90.37 22	eP	P	02 31 36.0 -0.8
ILAR	Eielson Array	90.37 22	eP	P	02 31 46.1 -0.9
ECAL	Calabor	90.40 313	P	P	02 31 38.2 +0.6
PBRG	Braganca	90.45 313	e-	P	02 31 43.8 -0.2
EHOR	Hornachuelos	90.46 309	e-	P	02 31 38.2 +0.3
ERUA	La Rua	90.56 314	P	P	02 31 39.9 +1.6
PMR	Palmer	91.05 25	eP	P	02 31 39.4 -0.6
PMR	Palmer	91.05 25	eP	P	02 31 46.1 -0.2
ESPR	Espera	91.19 308	P	P	02 31 41.9 +0.6
SML	Sawmill	91.28 25	eP	P	02 31 41.8 +0.7
SML	Sawmill	91.28 25	eP	P	02 31 48.2 +0.8
IFBL	Vila Real	91.30 313	eP	P	02 31 49.3 -0.2
ELOB	Lobios	91.37 313	P	P	02 31 40.7 -1.3
STS	Santiago	91.40 314	P	P	02 31 43.1 +0.9
MTE	Manteigas	91.44 312	eP	P	02 31 42.7 +0.3
MTE	Manteigas	91.44 312	eP	P	02 31 50.1 +1.5
MTE	Manteigas	91.44 312	eP	P	02 31 43.7 +1.3
MTE	Manteigas	91.44 312	eP	P	02 31 50.1 +1.5
EBAD	Badajoz	91.53 310	P	P	02 31 42.9 +0.1
PCBR	Castelo Branco	91.56 311	eP	P	02 31 44.4 +1.5
PCBR	Castelo Branco	91.56 311	eP	P	02 31 50.6 +1.4
EMIN	Mina Concepcio	91.56 309	P	P	02 31 43.4 +0.4
PVIS	Viseu	91.60 312	eP	P	02 31 51.1 +1.8
PVIS	Viseu	91.60 312	eP	P	02 31 51.1 +1.8
EVOM	Evora	92.35 310	eP	P	02 31 46.3 -0.3
EVOM	Evora	92.35 310	eP	P	02 31 51.1 +1.8
PBEJ	Beja	92.39 310	eP	P	02 31 54.4 +1.4
SNAA	Sanae	104.05 199	IP	PdF	02 32 36.9 -1.9
SNAA	Mina Aroya Beja	120.72	PKP	PKP	02 32 27.7 -2.5
NVAR	NVAR				02 37 34.7
PDAR	Pinedale Array	120.77	PKP	PKP	02 37 29.0 -2.3
PDAR	Pinedale Array	120.77	PKP	PKP	02 37 35.4
ANMO	Albuquerque	128.81	23	ePKP	02 37 45.1 -1.8
ANMO	Albuquerque	128.81	23	ePKP	02 37 52.0
TXAR	Lajas Array	134.87	23	PKP	02 37 56.2 -2.3
TXAR	Lajas Array	134.87	23	PKP	02 40 26.5 -6.3
BDFB	Brasilia	143.95	260	PKP	02 38 12.3 -2.8
BDFB	Brasilia	143.95	260	PKP	02 38 25.4 +2.6
PLCA	Paso Flores	148.94	202	PKP	02 38 25.4 +2.6
CPUP	Villa Florida	150.45	238	PKP	02 38 28.9 +3.3
LPAZ	La Paz	163.15	254	PKP	02 39 31.3 +1.1
LPAZ	La Paz	163.15	254	PKP	02 39 31.3 +1.1

WEL 29 02:19:44.0±0.1, 38.375±177.30E, h45km, 1km, ML3.7/2, Error ellipse: s-maj=1.2km s-min=1.1km az=90°

ISC 29 02:19:43.5±0.1, 38.375±177.30E, h49km, 8km, n16, ±0.55/26, 1C-1D, North Island

2004 JUL

ASAJ	Yakutsk	16.96 305	eP	P	02 24 08.9 -0.5
UNV	Unalakleet	19.16 81	eP	P	02 23 46.9 +1.6
MDJ	Mudanjiang	22.36 253	P	P	02 24 29.6 -1.3
MDJ	Mudanjiang	22.36 253	P	P	02 23 50.5 +2.0
MDJ	Mudanjiang	22.36 253	P	P	02 23 50.5 +2.0
MDJ	Mudanjiang	22.36 253	P	P	02 23 50.5 +2.0
MDJ	Mudanjiang	22.36 253	P	P	02 23 50.5 +2.0
MDJ	Mudanjiang	22.36 253	P	P	02 23 50.5 +2.0
MDJ	Mudanjiang	22.36 253	P	P	02 23 50.5 +2.0
MDJ	Mudanjiang	22.36 253	P	P	02 23 50.5 +2.0
MDJ	Mudanjiang	22.36 253	P	P	02 23 50.5 +2.0

TAP 29 03:14:20.2, 23.90N, 122.45E, h5km, 1km, ML2.7

JMA 29 03:14:17.0±0.3, 23.83N, 122.71E, h14km, M2.9, Taiwan

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
YOJ	Yonaguni jima	0.69 24	Op	03 14 30.0, 0.0	ISC
HATJ	Hateruma jima	1.03 77	S	03 14 36.0 0.0	ISC
IRIF	Iriomote-Funau	1.06 61	P	03 14 49.9 +0.7	ISC
JKRS	Kuro-shima	1.25 71	S	03 14 57.0 +1.2	ISC
IJJI	Ishigaki jima	1.41 68	P	03 14 42.0 -0.4	ISC
IJJI	Ishigaki jima	1.41 68	P	03 15 00.5 +0.1	ISC
JTJ	Tarama	1.99 66	P	03 14 51.9 +1.2	ISC
JTJ	Tarama	1.99 66	P	03 15 15.2 -0.3	ISC

KRSC 29 03:21:45.2, 55.49N, 160.53E, h192km, ML4.5

MOS 29 03:21:45.0±1.2, 55.69N, 160.27E, h192km, mb4.0/11, Error ellipse: s-maj=2.7km s-min=9.3km az=83.8

BUJ 29 03:21:46.0, 55.39N, 160.42E, h214km, mb4.8, mb4.5

NEIC 29 03:21:47.1±0.8, 55.66N, 160.04E, h191km, mb4.5/12, Error ellipse: s-maj=9.2km s-min=8.1km az=187.0

IDC 29 03:21:47.7±1.0, 55.75N, 159.97E, h193km, mb3.6/19, mb1.3, 8/21, mb1mx3.7/26, Error ellipse: s-maj=13.8km s-min=11.5km az=173.0

ISC 29 03:21:45.5±0.2, 55.63N, 160.28E, 0.06, h194km, 1km, n11, 8/20, 1.5km, pP, n98, ±13/136, mb3.9/30.4, Kanchatka Peninsula

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
KMNR	Kamenistaya	0.13 350	Op	03 22 19.0 +0.7	ISC
KMNR	Kamenistaya	0.13 350	Op	03 22 30.7 -0.3	ISC
TUMR	Tumrok	0.35 192	P	03 22 15.0 +0.8	ISC
KOZ	Kozyrevsk	0.49 332	P	03 22 31.9 -0.3	ISC
KOZ	Kozyrevsk	0.49 332	P	03 22 32.5 -0.3	ISC
KOZ	Kozyrevsk	0.49 332	P	03 22 32.5 -0.3	ISC
KOZ	Kozyrevsk	0.49 332	P	03 22 32.5 -0.3	ISC
KOZ	Kozyrevsk	0.49 332	P	03 22 32.5 -0.3	ISC
KOZ	Kozyrevsk	0.49 332	P	03 22 32.5 -0.3	ISC
KOZ	Kozyrevsk	0.49 332	P	03 22 32.5 -0.3	ISC
KOZ	Kozyrevsk	0.49 332	P	03 22 32.5 -0.3	ISC
KOZ	Kozyrevsk	0.49 332	P	03 22 32.5 -0.3	ISC

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ASAJ	Yakutsk	16.96 305	eP	P	02 24 08.9 -0.5
UNV	Unalakleet	19.16 81	eP	P	02 23 46.9 +1.6
MDJ	Mudanjiang	22.36 253	P	P	02 24 29.6 -1.3
MDJ	Mudanjiang	22.36 253	P	P	02 23 50.5 +2.0
MDJ	Mudanjiang	22.36 253	P	P	02 23 50.5 +2.0
MDJ	Mudanjiang	22.36 253	P	P	02 23 50.5 +2.0
MDJ	Mudanjiang	22.36 253	P	P	02 23 50.5 +2.0
MDJ	Mudanjiang	22.36 253	P	P	02 23 50.5 +2.0
MDJ	Mudanjiang	22.36 253	P	P	02 23 50.5 +2.0
MDJ	Mudanjiang	22.36 253	P	P	02 23 50.5 +2.0
MDJ	Mudanjiang	22.36 253	P	P	02 23 50.5 +2.0

MAJO 29 03:22:00.2, 70.12N, 122.60E, h17km, Mw4.0 Best double couple: M1.1x10<sup>15</sup> N1P1.φ:5°, 84°, 1.74°. NP2.φ:96°, 84°, 1.6°

MAN 29 03:22:08.9, 20.12N, 122.33E, h1km, MS3.6

NEIC 29 03:22:10.6±0.7, 20.13N, 122.52E, h35km, mb4.2/5, Error ellipse: s-maj=1.4km s-min=1.1km az=105.0

IDC 29 03:22:11.5±4.0, 20.11N, 122.56E, h44km, mb3.6/5, mb1.3/9.6, mb1mx3.6/18, ML4.4/1, Error ellipse: s-maj=9.0km s-min=23.9km az=77.0

JMA 29 03:22:12.4±0.6, 20.70N, 122.56E, M4.8

ISC 29 03:22:07.3±0.3, 20.31N, 122.48E, 0.05, h17km, n33,

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Basco, Mt. Cagua, Callao Caves, etc.

JMA 29 03:24:14.3±0.5, 20.68N; 122.53E, h2km, M4,2

ISC 29 03:24:13.1±1.5, 20.68N; 0.1x122.3E±0.1, h10km, n9,

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Basco, Hateruma jima, etc.

IDC 29 03:35:59.7±6.1, 50.10N; 176.83E, h24km±40km, mb3.6/6,

NEIC 29 03:36:02.2, 50.10N; 177.23E, h30km, ML3.6(AEIC), After AEIC.

ISC 29 03:35:58.9±0.8, 50.34N; 0.09; 176.95E; 0.07, h30km, n19,

0:582/22, mb3.7/6, Rat Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like FX1 Atsu Island-F, KIMD Kanaga Island, etc.

IDC 29 03:44:54.0±46.0, 17.39S; 178.33W, mb4.0/3, mb1 4.2/3,

mb1mx3.7/15, Error ellipse: s-maj=848.0km

s-min=156.5km az=78.0, Fiji Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Berggiesshubel, Pruhonice, Collm, etc.

RSRP 29 03:51:45.8, 20.66N; 70.04W, h25km, 97km, MD4.1/8,

MD4.1/8, 11C, Dominican Republic region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Las Mesas, Arcicibo Observ, etc.

IDC 29 03:57:57.0±1.3, 19.97N; 122.66E, mb3.8/4, mb1 4.2/5,

mb1mx3.8/19, ML4.9/1, MS3.8/2, Ms1 3.8/2, ms1mx2.8/26,

Error ellipse: s-maj=35.9km s-min=24.6km az=63.0

MAN 29 03:57:58.0, 20.16N; 122.36E, MS3.7

MAN F BASCO BATANES INTENSITY II, JMA 29 03:58:01.4±0.2, 20.16N; 122.54E, Ms.0

ISC 29 03:57:58.0±0.3, 20.32N; 0.03; 122.40E; 0.06, h33km, n33,

c139/45, mb3.6/5, 1C, Philippine Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Basco, Hateruma jima, etc.

DJA 29 04:05:01.9±2.6, 4.77N; 123.56E, h23km, mb5.0/3, Error

ellipse: s-maj=82.8km s-min=11.5km az=179.0

BUI 29 04:05:24.5, 2.58N; 124.77E, h321km, mb4.6, mb4.8

IDC 29 04:05:24.9±1.3, 2.84N; 124.48E, h277km, 11km, mb4.5/22,

mb1 4.6/23, mb1mx4.5/24, Error ellipse: s-maj=14.7km

s-min=7.0km az=72.0

HRVD 29 04:05:26.3±1.3, 2.90N; 124.99E, h279km, 11km

MV4.9/22, Centroid moment Tensor Solution, LP body

Large table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like MNI Manado, GSPH General Santos, etc.

Table of seismic events with columns for station (e.g., ADE, CN2), time (e.g., 19.89 162), amplitude (e.g., 1.6), location (e.g., 04 12 34.0), and other parameters.

Main table of seismic events with columns for station (e.g., PDAR, PV10, ULM), time (e.g., 113.35 41), amplitude (e.g., 1.3), location (e.g., 04 23 31.0), and other parameters.

Table of seismic events with columns for station (e.g., KUR, MAJO), time (e.g., 04 23 10.0), amplitude (e.g., pmax), location (e.g., 04 13 33.0), and other parameters.





29d 4h

Table with columns: Station Name, Code, Azimuth, Elevation, P, S, R, and various parameters. Includes stations like LZH, LZV, LZP, LZB, LZC, LZD, etc.

2004 JUL

NIED 29 04:35:00.20.60N, 122.30E, h33km, Mw4.1 Best double couple: Mo 1.46x10^15 Np1 phi 3, delta 6, lambda 109. NP2 phi 262, delta 0, lambda 12.
NEIC 29 04:35:33.4, 3.3, 19.99N: 121.37E, h20km, mb4.2/9, Error ellipse: s-maj=1.0km s-min=7.7km az=75.0
IDC 29 04:35:36.5, 4.0, 20.01N: 121.46E, h43km, mb3.8/7, mb1 4.0/8, mb1mx3/8/18, ML4.1/1, MS3.6/2, MS1 3.6/2, ms1mx3.0/24, Error ellipse: s-maj=35.1km s-min=17.7km az=62.0
BUJ 29 04:35:37.3, 20.42N: 120.71E, h5km, mb4.2, mb4.3, ML3.5, M3.3, 7, Ms3.7
ISC 29 04:35:40.7, 20.12N: 0.04, 121.32E: 0.06, h44km, 8km, n32, r129/36, mb4.1/14, MS3.8/1, 2C-3D, Philippines

Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, P, S, R, and various parameters. Includes stations like Basco, Callao Caves, Baguio City Da, Quanzhou, etc.

INMG 29 04:42:01.8, 1.5, 42.80N: 7.20W, h8km, ML2.1, Error ellipse: s-maj=4.1km s-min=2.4km az=80.0
NEIC 29 04:42:01.6, 42.80N: 7.18W, h11km, ML2.8(LDG), M2.5(MDD), After MDD
MDD 29 04:42:02.2, 0.3, 42.78N: 7.21W, h10km, mbLg2.4/19, Error ellipse: s-maj=3.9km s-min=2.4km az=99.0, PRXIMO LDG 29 04:42:03.8, 0.3, 42.74N: 7.20W, h10km, M2.9/1, M2.8/6, Error ellipse: s-maj=8.9km s-min=3.3km az=112.0
ISC 29 04:41:59.9, 0.5, 42.72N: 0.03, 7.06W: 0.04, h7km, 4km, n49, r140/65, 1D, Spain

Table with columns: Code, Station Name, Azimuth, Elevation, P, S, R, and various parameters. Includes stations like Incio, Erua, Erua 1a, Erua 2a, etc.

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EZAM Vila Real 1.52 199 ePn Lg 04 42 41.5
PVRL Vila Real 1.52 199 Pn Lg 04 42 28.7 +1.0
PVRL Vila Real 0.1s 1.52 199 Pn Lg 04 42 28.7 +1.0
PVIS Viseu 2.10 198 eSn Sn 04 43 02.8 +0.2
PVIS Viseu 13nm, 0.1s 2.10 198 Sn Sn 04 43 02.8 +0.2
MTE Manteigas 2.35 189 ePp Pg 04 42 46.0 -0.8
MTE MTE 27nm, 0.5s 2.35 189 Pg Lg 04 42 17.2

Table with columns: Code, Station Name, Azimuth, Elevation, P, S, R, and various parameters. Includes stations like Basco, Callao Caves, Baguio City Da, Quanzhou, etc.

JMA 29 04:48:38.9, 0.0, 20.72N: 122.56E, M3.9
ISC 29 04:48:35.4, 0.7, 20.35N: 0.05, 122.36E: 0.07, h33km, n8, r142/16, Philippines Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, P, S, R, and various parameters. Includes stations like Basco, Callao Caves, Baguio City Da, Quanzhou, etc.











29d 10h

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Table with columns for station call letters, frequency, and signal strength. Includes stations like PLCA, TROA, SJG, etc.

Table with columns for station call letters, frequency, and signal strength. Includes stations like ISCO, BAR, PV10, PFO, etc.

Table with columns for station call letters, frequency, and signal strength. Includes stations like EVO, PALC, EGRO, etc.



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like MBDF, LPL, PZZ, LGG, SBF, LSF, RSD, IHI, ROB, FIN, CDF, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like GKN, KKN, WHN, DMN, PKI, GUN, ENH, CD2, GYA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like HATJ, YOJ, JKRS, IRIF, etc.

29d 13h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Keuruu, Sumiainen, Hagflos.

JMA 29 11:26:45.5, 0.5, 20.62N, 122.49E, h28km, M3.7
ISC 29 11:26:43.1, 3.2, 20.6N, 122.2E, 0.1, h28km, n8,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Basco, Hateruma jima, Yonaguni jima.

IC 29 11:31:20.1, 1.2, 1.61N, 125.33E, mb3.8/4, mb1 4.0/4,
mb1mx3.8/13, MS3.4/1, Ms1 3.4/1, ms1mx2.5/2, Error

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Fitzroy Crossi, Warramunga Arr, WRA.

IC 29 11:38:03.8, 1.0, 12.66N, 94.49E, mb3.8/7, mb1 3.9/8,
mb1mx3.7/18, ML3.0/1, Error ellipse: s-maj=36.4km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Chiang Mai Arr, MKRAC, SONM.

IC 29 11:55:23.7, 2.1, 6.33S, 129.37E, mb3.7/1, mb1 3.5/4,
mb1mx3.5/12, ML3.2/3, Error ellipse: s-maj=81.2km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Fitzroy Crossi, WRA, WRA.

IC 29 12:03:58.9, 1.5, 4.91S, 144.94E, mb3.6/3, mb1 3.8/5,
mb1mx3.7/13, ML3.1/2, Error ellipse: s-maj=43.4km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Port Moresby, WRA, FITZ.

NIED 29 12:06:00, 20.70N, 122.50E, h32km, Mw4.1 Best double
couple: M1.42x10^15 NP1, 20, 88, 140, NP2, 112,

MAN 29 12:06:27.6, 20.08N, 122.33E, h1km, MS3.0
MAN F Basco Batanes Intensity II

JMA 29 12:06:30.6, 0.3, 20.70N, 122.53E, M4.6
NEIC 29 12:06:31.3, 1.2, 20.23N, 122.64E, h48km, 17km, Error

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Basco.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Callao Caves, Hateruma jima, Kuro-shima.

BER 29 12:22:01.1, 3.2, 60.09N, 25.48E, ML2.2(NAO),
Suspected explosion

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Kuro-shima, Tarama, Gusukube.

IC 29 12:40:0.0, 1.6, 60.18N, 25.22E, ML1.5, ML1.9(UPP),
ML2.2(NAO), Explosion

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Kume jima, Aguni-jima, Kunigami.

NIED 29 12:12:00, 39.50N, 139.90E, h135km, Mw3.8 Best double
couple: M6.2x10^14 NP1, 29, 87, NP2, 154,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Yuwa, Oga 2, Kaneyama.

IC 29 12:12:25.3, 1.8, 39.55N, 140.03E, h154km, mb3.5/8,
mb1 3.6/10, mb1mx3.4/22, Error ellipse: s-maj=24.7km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JYW, JOG2, JYK.

IC 29 12:12:25.6, 0.3, 39.55N, 140.03E, h171km, mb3.5/8,
mb1 4.1/15, mb1mx3.4/22, Error ellipse: s-maj=24.7km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JYJ, JYK, JYK.

IC 29 12:15:19.8, 0.3, 20.62N, 122.49E, M3.8
ISC 29 12:15:19.7, 1.4, 20.6N, 122.2E, 0.1, h33km, n8,

IC 29 12:15:19.7, 1.4, 20.6N, 122.2E, 0.1, h33km, n8,
0.87/16, Philippine Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Basco, Hateruma jima, Yonaguni jima.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Iriomote-Funau, Kuro-shima, Ishigaki jima.

BER 29 12:22:01.1, 3.2, 60.09N, 25.48E, ML2.2(NAO),
Suspected explosion

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Nurmij rvi, Pernaja, Virojoki.

IC 29 12:22:01.1, 3.2, 60.09N, 25.48E, ML2.2(NAO),
Explosion

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AAL, GRAU, NRTU.

IC 29 12:25:06.0, 2.0, 45.175N, 167.45E, h87km, 2km, ML3.7/4,
2C-2D, Error ellipse: s-maj=2.8km s-min=1.7km az=90.0,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Mavora Lakes, Wether Hill Ro, Wanaka.

IC 29 12:56:41.6, 1.5, 12.00N, 94.63E, mb3.6/3, mb1 3.7/4,
mb1mx3.5/16, ML3.2/1, Error ellipse: s-maj=48.1km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Chiang Mai Arr, MKRAC, WRA.

JMA 29 13:17:22.0, 2.0, 20.71N, 122.52E, M4.6
ISC 29 13:17:22.1, 4.5, 20.17N, 122.64E, h44km, 53km, mb3.6/4,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Basco, Callao Caves, Hateruma jima.

IC 29 13:17:19.1, 1.2, 20.37N, 105.122.46E, 0.08, h26km, 10km,
n19, 1933/28, mb3.6/4, 1C, Philippine Islands region

IC 29 13:17:19.1, 1.2, 20.37N, 105.122.46E, 0.08, h26km, 10km,
n19, 1933/28, mb3.6/4, 1C, Philippine Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Basco, Hateruma jima, Yonaguni jima.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Makanchi Array, Callao Caves, Hateruma jima, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NORSAR Subarray, NORSAR Array B, VOA Valguarnera, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CD2, KAD Karad, HKC Hong Kong, etc.

WMQ	comp=N,3um,14.6s,MSS.3	LR	LR		
WMQ	comp=E,3um,15.7s,MSS.3	LR	LR		
WMQ	comp=Z,3um,19.2s,MSS.0	LR	LR		
<b>BJT</b>	<b>Baijiatuu</b> 33.24 30 eP	P	P	13 29 37.8	-1.5
BJT	comp=Z,12m,0.9s,mb4.8	LR	LR		
BJT	comp=Z,1um,19.0s,MS4.6	LR	LR		
<b>BJI</b>	<b>Beijing</b> 33.27 30 P	P	P	13 29 40.8	+1.4
BJI	comp=Z,12m,1.2s,mb4.7	S	S	13 35 03.3	+6.1
BJI	comp=Z,3um,9.4s	S	S		
<b>BJJ</b>	<b>Beijing</b> 33.27 30 P	P	P	13 29 40.7	+1.3
BJJ	comp=Z,12m,1.2s,mb4.7	S	S		
<b>BJO</b>	<b>Kunigami</b> 34.33 60 S	S	S	13 35 03.2	+6.0
BJO	comp=Z,6.0nm,0.9s,mb4.6,baz=108,slow=17,SNR=2.2	P	P	13 29 50.0	+1.3
<b>AAA</b>	<b>Alma-Ata</b> 34.52 336 eP	P	P	13 29 52.2	+2.0
AAA	comp=E,700nm,5.0s	smax	smax		
AAA	comp=E,700nm,5.0s	MLR	MLR		
<b>FRU</b>	<b>Bishkek</b> 35.12 334j eP	P	P	13 29 56.0	+0.6
FRU	comp=Z,500nm,21.0s,MS4.2	e	e	13 30 03.0	+0.8
FRU	comp=Z,2um,1.0s,mb4.5	pP	pP	13 31 12.0	
FRU	comp=Z,180nm,2.0s,mb5.7	eS	eS	13 35 29.0	+3.1
FRU	comp=Z,420nm,2.0s,mb6.0	pmax	pmax		
FRU	comp=N,4um,20.0s,MSS.2	MLR	MLR		
FRU	comp=E,2um,20.0s,MSS.2	MLR	MLR		
FRU	comp=Z,5um,20.0s,MSS.2	MLR	MLR		
<b>MKAR</b>	<b>Makanchi Array</b> 35.94 345 P	P	P	13 30 02.5	+0.3
MKAR	comp=Z,33nm,1.0s,mb5.2,baz=153,slow=8.1,SNR=65	LR	LR		
MKAR	comp=Z,1um,19.7s,MS4.7,baz=165,slow=44	LR	LR	13 49 04.6	
<b>MKAR</b>	<b>Makanchi Array</b> 35.94 345 P	P	P	13 30 02.6	+0.3
MKAR	comp=Z,108nm,1.1s	pmax	pmax		
<b>SONM</b>	<b>Songino Array</b> 36.60 13 P	P	P	13 30 08.5	+0.7
SONM	comp=Z,6.0nm,1.0s,mb4.5,baz=198,slow=7.8,SNR=24	PcP	PcP	13 32 30.0	-1.2
SONM	comp=Z,2.4nm,0.8s,baz=191,slow=7.3,SNR=2.5	eP	eP	13 30 12.5	+3.2
<b>ULN</b>	<b>Ulanbator</b> 36.77 14 eP	P	P	13 30 20.8	+4.6
ULN	comp=Z,37nm,1.1s,mb5.1	eP	eP		
ULN	comp=Z,1um,20.0s,MS4.7	LR	LR		
<b>INCN</b>	<b>Inchon</b> 37.71 43 PFAKE	LR	LR	13 30 30.0	+1.3
INCN	comp=Z,2um,19.0s,MS5.0	LR	LR		
<b>ZAK</b>	<b>Zakamensk</b> 38.49 8j iP	P	P	13 30 24.1	+0.5
<b>JNU</b>	<b>Nakatsue</b> 38.69 52 P	P	P	13 30 25.4	-0.2
JNU	comp=Z,26nm,1.0s,mb4.9,baz=310,slow=2.5,SNR=6.2	P	P		
<b>MOY</b>	<b>Monday</b> 39.47 6 eP	P	P	13 30 39.0	+7.2
<b>IRK</b>	<b>Irkutsk</b> 40.45 9 eP	P	P	13 30 39.3	-0.5
<b>KURK</b>	<b>Kurchatov</b> 40.51 344 iP	P	P	13 30 40.9	+0.5
KURK	comp=Z,107nm,1.3s,mb5.3	pmax	pmax		
<b>KURK</b>	<b>Kurchatov</b> 40.51 344j eP	P	P	13 30 40.5	+0.1
KURK	comp=Z,150nm,1.2s,mb5.5	eP	eP		
<b>KURK</b>	<b>Changchun</b> 40.80 34 eP	P	P	13 30 48.3	+1.0
KURK	comp=Z,150nm,1.2s,mb5.5	eP	eP	13 32 21.4	+4.3
<b>CN2</b>	<b>CN2</b> 40.80 34 eP	P	P	13 30 43.0	+0.2
CN2	comp=Z,20nm,0.7s,mb4.9	SS	SS	13 39 49.3	+0.6
CN2	comp=Z,20nm,0.7s,mb4.9	AMB	AMB		
CN2	comp=Z,400nm,4.0s	AMB	AMB		
CN2	comp=N,2um,14.0s,MSS.3	LR	LR		
CN2	comp=E,2um,14.0s,MSS.3	LR	LR		
CN2	comp=Z,2um,13.0s,MSS.1	LR	LR		
<b>HIA</b>	<b>Hailar</b> 42.06 24 eP	P	P	13 30 52.4	-0.7
HIA	comp=Z,86nm,1.4s,mb5.2	eP	eP		
HIA	comp=Z,962nm,20.0s,MS4.7	LR	LR	13 31 01.1	+1.1
<b>FITZ</b>	<b>Fitzroy Crossi</b> 42.78 135j iP	P	P	13 30 58.6	-0.8
FITZ	comp=Z,7.1nm,1.0s,mb4.3	P	P		
<b>FITZ</b>	<b>Fitzroy Crossi</b> 42.78 135 P	P	P	13 30 58.5	-0.9
FITZ	comp=Z,4.1nm,1.0s,baz=349,slow=4.9,SNR=5.8	LR	LR	13 48 28.6	
<b>NVS</b>	<b>Novosibirsk</b> 43.36 350 iP	P	P	13 31 02.6	-1.0
NVS	comp=Z,824nm,21.1s,MS4.6,baz=49,slow=36	eP	eP	13 37 27.9	-1.8
NVS	comp=N,131nm,1.7s	pmax	pmax		
NVS	comp=E,74nm,1.7s	pmax	pmax		
NVS	comp=Z,168nm,1.7s,mb5.5	smax	smax		
NVS	comp=N,50nm,2.7s	smax	smax		
<b>MDJ</b>	<b>Mudanjiang</b> 43.63 36 P	P	P	13 31 05.5	-0.5
MDJ	comp=Z,88nm,2.7s	P	P	13 32 46.5	-2.9
MDJ	comp=Z,1um,11.8s,MSS.2	PcP	PcP	13 32 57.0	+3.2
MDJ	comp=Z,1um,11.8s,MSS.2	SS	SS	13 36 44.3	
MDJ	comp=Z,258nm,4.6s	S	S	13 37 35.3	+1.5
MDJ	comp=N,1um,11.8s,MSS.2	AMB	AMB	13 40 44.0	+2.2
MDJ	comp=E,1um,10.7s,MSS.2	LR	LR		
MDJ	comp=Z,2um,12.8s,MSS.2	LR	LR		
<b>MDJ</b>	<b>Mudanjiang</b> 43.63 36 P	P	P	13 31 06.1	+0.1
MDJ	comp=Z,258nm,4.6s	LR	LR		
<b>MDJ</b>	<b>Mudanjiang</b> 43.63 36 P	P	P	13 31 17.0	+2.2
MDJ	comp=Z,258nm,4.6s	LR	LR		
<b>VOSK</b>	<b>Vostochnaya</b> 44.62 339 P	P	P	13 31 13.8	-0.1
VOSK	comp=Z,984nm,19.0s,MS4.7	LR	LR		
<b>KAKA</b>	<b>Kakadu</b> 45.47 123 eP	P	P	13 31 17.0	+2.2
KAKA	comp=Z,141nm,1.6s,mb5.5	eP	eP		
<b>BVAO</b>	<b>Borovoye Array</b> 45.07 339 iP	P	P	13 31 16.9	-0.6
BVAO	comp=Z,19nm,1.3s,mb4.8	pmax	pmax		
<b>BVAR</b>	<b>Borovoye Array</b> 45.07 339 P	P	P	13 31 16.7	-0.7
BVAR	comp=Z,1.0nm,1.0s	PP	PP	13 33 04.2	+0.5
BVAR	comp=Z,5.0nm,0.8s,mb4.4,baz=143,slow=7.4,SNR=20	PP	PP		
BVAR	comp=Z,2.7nm,0.9s,baz=142,slow=16,SNR=2.5	LR	LR	13 54 59.9	
<b>BRVK</b>	<b>Borovoye</b> 45.13 339j eP	P	P	13 31 17.5	-0.5
BRVK	comp=Z,28nm,0.9s,mb5.1	eP	eP		
<b>BRVK</b>	<b>Chkalovo</b> 45.52 340 eP	P	P	13 31 25.3	+0.4
BRVK	comp=Z,258nm,1.7s,mb5.9	eP	eP	13 31 21.4	+0.3
<b>CHKZ</b>	<b>Chkalovo</b> 45.52 340j eP	P	P	13 31 21.2	+0.1
CHKZ	comp=Z,148nm,1.1s,mb5.8	eP	eP		
<b>MAJO</b>	<b>Matsushiro</b> 45.56 51 eP	P	P	13 31 28.7	+0.7
MAJO	comp=Z,80nm,1.4s,mb5.5	eP	eP	13 31 21.4	-0.2
MAJO	comp=Z,1um,18.0s,MSS.1	eP	eP	13 31 27.8	-0.8
<b>MAT</b>	<b>Matsushiro</b> 45.56 51 P	P	P	13 31 21.7	+0.1
MAT	comp=Z,38nm,1.2s,mb5.2	eS	eS	13 38 04.0	+2.2
<b>MAT</b>	<b>Matsushiro</b> 45.56 51 eP	P	P	13 31 23.0	+1.4
MAT	comp=Z,38nm,1.2s,mb5.2	eP	eP		
<b>AB31</b>	<b>Akbulak array</b> 46.78 329 iP	P	P	13 31 30.8	-0.2
AB31	comp=Z,186nm,1.3s,mb5.9	pmax	pmax		
<b>BOD</b>	<b>Bodaibo</b> 47.59 14 eP	P	P	13 31 38.1	+0.8
KLR	<b>Kul'dur</b> 47.60 32 eP	P	P	13 31 38.0	+0.4
KLR	comp=Z,28nm,0.9s,mb5.1	eS	eS	13 38 32.0	+1.4
KLR	comp=N,2um,11.0s	MLR	MLR	13 41 25.0	
KLR	comp=Z,4um,11.0s,MSS.7	MLR	MLR		
<b>GUMO</b>	<b>Guam</b> 48.51 83 PFAKE			13 32 00.0	+1.5

<b>GUMO</b>	<b>Mundaring</b> 48.55 156 eP	P	P	13 31 45.2	0.0
GUMO	comp=Z,652nm,20.0s,MS4.6	LR	LR		
<b>KLBR</b>	<b>Kellerberrin</b> 48.86 154 eP	P	P	13 31 47.5	0.0
KLBR	comp=Z,73nm,1.2s,mb5.7	eP	eP		
<b>NWAO</b>	<b>Narrogin (SRO)</b> 49.80 155 LR	LR	LR	13 52 12.2	
NWAO	comp=Z,124nm,1.3s,mb5.8	P	P		
<b>NWAO</b>	<b>Narrogin (SRO)</b> 49.80 155 eP	P	P	13 31 54.9	+0.1
NWAO	comp=Z,1um,20.3s,MSS.0,baz=58,slow=35	LR	LR		
NWAO	comp=Z,236nm,1.4s,mb5.0	eP	eP		
NWAO	comp=Z,236nm,1.4s,mb5.0	eP	eP	13 32 02.2	+0.4
<b>CLNS</b>	<b>Chull'maan</b> 49.93 21 eP	P	P	13 31 56.6	+1.2
CLNS	comp=Z,850nm,20.0s,MS4.8	LR	LR		
<b>WRA</b>	<b>Warramunga Arr</b> 50.29 129 P	P	P	13 31 58.5	-0.2
WRA	comp=Z,33nm,1.3s,mb5.2,baz=308,slow=8.3,SNR=55	LR	LR	13 54 05.4	
<b>WB2</b>	<b>Warramunga Arr</b> 50.30 129j iP	P	P	13 31 58.5	-0.2
WB2	comp=Z,768nm,20.2s,MS4.7,baz=280,slow=37	LR	LR		
<b>MAK</b>	<b>Makhachkala</b> 51.02 316 eP	P	P	13 31 58.5	-0.2
MAK	comp=Z,2.75nm,0.8s,mb4.7,baz=266,slow=15,SNR=6.3	eP	eP	13 32 05.6	-0.2
MAK	comp=N,700nm,8.0s	eS	eS	13 31 52.0	-1.2
MAK	comp=Z,500nm,8.0s	pmax	pmax	13 39 22.0	-7.8
<b>ASAJ</b>	<b>Asahikawa</b> 51.49 43 P	P	P	13 32 08.4	+0.9
ASAJ	comp=Z,500nm,8.0s	pmax	pmax		
<b>Arti</b>	<b>Arti</b> 52.14 335j iP	P	P	13 32 11.6	-0.6
Arti	comp=Z,7.5nm,0.8s,mb4.7,baz=266,slow=15,SNR=6.3	eP	eP	13 32 21.7	
Arti	comp=Z,1um,20.0s,MSS.0	i	i	13 33 19.4	
Arti	comp=Z,1um,20.0s,MSS.0	i	i	13 34 07.0	
Arti	comp=Z,1um,20.0s,MSS.0	i	i	13 35 09.2	-6.2
Arti	comp=Z,1um,20.0s,MSS.0	i	i	13 39 35.1	+1.5
Arti	comp=Z,1um,20.0s,MSS.0	i	i	13 41 58.7	
Arti	comp=Z,31nm,1.4s,mb5.0	eSSS	eSSS	13 45 00.3	+8.8
Arti	comp=N,2um,22.0s,MSS.2	MLR	MLR		
Arti	comp=Z,2um,22.0s,MSS.2	MLR	MLR		
Arti	comp=E,1um,21.0s,MSS.2	MLR	MLR		
<b>ARU</b>	<b>Arti</b> 52.14 335j eP	P	P	13 32 11.3	-0.9
ARU	comp=E,134nm,1.3s,mb5.7	eP	eP		
ARU	comp=Z,534nm,22.0s,MS4.5	eP	eP	13 32 19.1	-0.2
<b>ASPA</b>	<b>Alice Springs</b> 52.24 133 eP	P	P	13 32 13.1	-0.3
ASPA	comp=Z,50nm,1.1s,mb5.4	eP	eP	13 32 19.9	-0.6
<b>TIZ</b>	<b>Plekhanov</b> 52.51 313 eP	P	P	13 32 18.0	+2.8
TIZ	comp=N,500nm,20.0s,MS4.9	eS	eS	13 39 42.0	+3.2
TIZ	comp=N,500nm,20.0s,MS4.9	MLR	MLR		
TIZ	comp=E,1um,20.0s,MS4.9	MLR	MLR		
TIZ	comp=Z,2um,20.0s,MSS.0	MLR	MLR		
<b>YSS</b>	<b>Yuzh-Sakhalins</b> 52.74 40f eP	P	P	13 32 17.0	+0.2
YSS	comp=Z,2um,20.0s,MSS.0	e	e	13 32 22.4	-4.2
YSS	comp=Z,2um,20.0s,MSS.0	e	e	13 33 31.0	
YSS	comp=Z,2um,20.0s,MSS.0	e	e	13 34 22.0	
YSS	comp=Z,2um,20.0s,MSS.0	e	e	13 35 18.0	-4.6
YSS	comp=Z,2um,20.0s,MSS.0	e	e	13 39 44.0	+2.2
YSS	comp=Z,2um,20.0s,MSS.0	e	e	13 40 04.0	+9.2
YSS	comp=Z,2um,20.0s,MSS.0	e	e	13 42 00.0	
YSS	comp=Z,2um,20.0s,MSS.0	e	e	13 43 19.0	-0.5
YSS	comp=Z,50nm,1.1s,mb5.4	smax	smax		
YSS	comp=N,300nm,8.0s	MLR	MLR		
YSS	comp=Z,2um,14.0s,MSS.2	MLR	MLR		
YSS	comp=N,1um,13.0s,MSS.3	MLR	MLR		
YSS	comp=E,1um,15.0s,MSS.3	MLR	MLR		
YSS	<b>Yuzh-Sakhalins</b> 52.74 40 eP	P	P	13 32 16.5	-0.3
YSS	comp=E,43nm,1.3s,mb5.2	eP	eP		
YSS	comp=Z,2um,20.0s,MSS.0	eP	eP	13 32 23.7	-0.1
<b>FORT</b>	<b>Forrest</b> 53.38 144 eP	P	P	13 32 24.2	+2.4
FORT	comp=Z,749nm,19.0s,MS4.8	LR	LR		
<b>ERZM</b>	<b>Erzurum</b> 54.45 310 eS	S	S	13 39 57.1	+6.3
ERZM	comp=Z,92nm,1.3s,mb5.5	eS	eS	13 32 31.8	+2.4
<b>KIV</b>	<b>Kislovodsk</b> 54.66 315d iP	P	P	13 32 31.0	0.0
KIV	comp=Z,80nm,2.0s,mb5.4	i	i	13 32 39.1	+1.1
KIV	comp=Z,80nm,2.0s,mb5.4	i	i	13 32 45.3	+4.6
KIV	comp=Z,80nm,2.0s,mb5.4	i	i	13 33 33.5	
KIV	comp=Z,80nm,2.0s,mb5.4	i	i	13 34 33.4	
KIV	comp=Z,80nm,2.0s,mb5.4	i	i	13 40 08.4	+0.6
KIV	comp=Z,47nm,1.2s,mb5.4	eSS	eSS	13 43 52.2	+1.7
KIV	comp=Z,1um,18.0s,MSS.1	MLR	MLR		
<b>KIV</b>	<b>Kislovodsk</b> 54.66 315 eP	P	P	13 32 30.7	-0.3
KIV	comp=Z,97nm,1.2s,mb5.7	eP	eP		
KIV	comp=Z,97nm,1.2s,mb5.7	eP	eP	13 32 38.6	+0.6
<b>GOF</b>	<b>Gofitskoye</b> 54.78 317 eP	P	P	13 32 31.0	-0.9
GOF	comp=Z,399nm,20.				

MBAR	Mbarara	65.06 264	eP	P	13 33 41.7	-1.3
MBAR	comp=N,15nm,1.3s,mb4.8					
MBAR			epP	pP	13 33 49.4	-0.8
MBAR			LR	LR		
AKASG	Malin Array B	65.22 320	P	P	13 33 41.5	-1.9
AKASG	comp=Z,177nm,19.0s,MS4.3					
AKASG			LR	LR	14 06 07.2	
VRI	Vranicoria	66.12 315	iP	P	13 33 49.5	+0.3
SANT	Santorini	66.35 304	eP	P	13 33 48.8	-2.1
SANT	comp=Z,35nm,1.0s,mb5.3					
SANT			epP	pP	13 33 55.8	-2.3
MLR	Muntele Rosu	66.62 314	iP	P	13 33 51.7	-0.7
MLR	comp=Z,12nm,1.1s,mb4.8,baz=64,slow=4.8,SNR=15					
PUL	Pulkovo	66.73 330	eP	P	13 33 44.9	-8.0
PUL	comp=N,9.0nm,0.4s,mb6.0					
PUL			es	S	13 42 36.1	-5.8
PUL	comp=N,9.0nm,0.2s					
PUL			pmax	pmax		
PUL	comp=E,27nm,0.4s					
PUL			smax	pmax		
PUL	comp=N,150nm,0.6s					
PUL			smax			
PUL	comp=Z,23nm,0.3s					
PUL			smax			
MNK	Minsk	66.80 324	eP	P	13 33 49.0	-4.4
MZN	Rozenh	67.19 310	eP	P	13 33 55.0	-1.1
JOF	Joensuu	67.20 334	ep	P	13 33 56.4	+0.6
LVZ	Lovozero	67.67 339	eP	P	13 34 03.4	+4.7
LVZ			eS	S	13 42 56.3	+3.3
LVZ	comp=Z,26nm,1.3s,mb5.1					
LVZ			pmax	pmax		
LVZ	comp=N,6.0nm,1.1s					
LVZ			pmax	pmax		
LVZ	comp=E,11nm,1.4s					
LVZ			pmax	pmax		
LVZ	comp=Z,339nm,2.5s,mb5.9					
LVZ			pmax	pmax		
LVZ	comp=N,113nm,3.7s					
LVZ			pmax	pmax		
LVZ	comp=E,111nm,2.4s					
LVZ			smax			
LVZ	comp=N,181nm,2.7s					
LVZ			smax			
LVZ	comp=Z,38nm,2.2s					
LVZ			smax			
LVZ	comp=E,142nm,2.7s					
LVZ			MLR	MLR		
LVZ	comp=Z,2um,18.0s,MS5.3					
LVZ			MLR	MLR		
LVZ	comp=N,256nm,13.0s,MS5.3					
LVZ			MLR	MLR		
MMB	Musomiste	67.92 310	eP	P	13 33 59.0	-1.7
APA	Apatity	67.98 339j	eP	P	13 34 09.2	+8.6
APA			e		13 34 25.6	
APA			e		13 42 59.0	+2.3
APA			eS	S	13 43 50.0	+2.3
APA			pmax	pmax		
APA	comp=Z,100nm,1.8s,mb5.5					
APA			MLR	MLR		
VTS	Vitosha	68.36 311	eP	P	13 34 02.0	-1.4
KKB	Krupnik	68.42 310	eP	P	13 34 02.0	-1.8
TOO	Toolangi	68.60 139	eP	P	13 34 06.4	+1.4
TOO	comp=Z,27nm,1.4s,mb5.0					
ARMA	Armidale	69.07 129	eP	P	13 34 09.0	+1.0
FINES	FINES Array B	69.17 331	eP	P	13 34 07.2	-0.9
FINES	comp=Z,1.8nm,0.7s,baz=104,slow=7.9,SNR=11					
FINES			LR	LR	14 07 52.5	
KWP	Kalwaria	69.22 318	eP	P	13 34 08.2	-0.4
KWP			eP	pP	13 34 14.7	-1.1
KWP			e	MLR	14 09 38.4	
KWP	comp=Z,500nm,22.8s,MS4.7					
SUW	Suwalki	69.41 323	eP	P	13 34 09.1	-0.6
SUW			e	pP	13 34 15.1	-1.8
SUW			e	MLR	14 08 45.7	
SKO	Skojpe	69.65 310	iP	P	13 34 10.4	-0.9
CRVS	Cervenica-Dubn	69.97 318	iP	P	13 34 13.6	+0.4
CRVS			epP	pP	13 34 20.3	-0.1
WAR	Warsaw	70.51 321	eP	P	13 34 17.3	+0.9
WAR			MLR	MLR	14 10 39.4	
KECS	Kecovo	70.59 317	eP	P	13 34 16.9	-0.1
KECS			epP	pP	13 34 23.5	-0.7
NIE	Niedzica	70.76 318	eP	P	13 34 18.5	+0.5
NIE			e	pP	13 34 25.0	-0.2
PSZ	Piszkesteto	70.96 317j	iP	P	13 34 18.7	-0.5
QJC	Ojcow	71.14 319	eP	P	13 34 19.4	-0.9
QJC			eS	S	13 43 31.2	-3.1
QJC			MLR	MLR	14 11 52.7	
ARCES	ARCCESS Array B	71.36 340	P	P	13 34 20.8	-0.5
ARCES	comp=Z,1.1nm,0.6s,baz=112,slow=6.5,SNR=7.1					
ARCES			LR	LR	14 09 39.8	
LSZ	Lusaka	71.64 249	eP	P	13 34 22.8	-1.0
LSZ	comp=Z,44nm,1.4s,mb5.2					
VYHS	Vyhne	71.69 317	eP	P	13 34 21.5	-2.1
VYHS			epP	pP	13 34 29.6	-1.2
VYHS			epP	PP	13 37 08.6	+4.0
VYHS			e	S	13 38 46.7	
VYHS			eS	S	13 43 40.3	-0.3
SRO	Srobarova	72.02 316	eP	P	13 34 26.6	+1.0
SRO			epP	pP	13 34 34.4	+0.6
OKC	Ostrava-Krasne	72.18 319	eP	P	13 34 26.4	-0.1
OKC			epP	pP	13 34 33.9	-0.4
OKC			e	S	13 43 46.7	+0.4
OKC			MLR	MLR	14 09 50.0	
MORC	Moravsky Berou	72.57 318	eP	P	13 34 29.1	+0.2
MORC	comp=Z,80nm,1.4s,mb5.5					
MORC			epP	pP	13 34 35.5	-0.5
ZST	Bratislava	72.84 317	eP	P	13 34 30.3	-0.1
ZST			eS	S	13 43 53.1	-0.6
TAU	Tasmania Unive	72.87 143	PFAKE	LR	13 34 40.0	+9.3
TAU			LR	LR		
GKP	Gorka Kiaszor	72.87 322	eP	P	13 34 30.6	+0.1
GKP			e	pP	13 34 36.6	-1.2
GKP			e	MLR	14 12 24.7	
SOP	Sopron	73.20 316	eP	P	13 34 32.0	
SOP			epP	P	13 34 32.0	-0.5
TIP	Timpagrande	73.23 307	eP	P	13 34 32.5	-0.4
TIP			epP	pP	13 34 39.2	-1.0
DPC	Dobruska-Polom	73.37 319	eP	P	13 34 33.8	+0.3
DPC			ep	pP	13 34 40.0	+0.1
DPC			ex	S	13 44 55.5	
DPC			ex	S	13 38 58.5	
DPC			ex	S	13 44 01.6	+1.9
DPC			L		14 10 30.0	
KSP	Ksiaz	73.39 320	eP	P	13 34 33.7	+0.1
KSP			e	pP	13 34 40.0	-0.8
KSP			e	MLR	14 10 58.8	
KSP	comp=Z,2um,21.7s,MS5.3					
KSP			epP	pP	13 34 33.5	-0.1
KSP			epP	pP	13 34 39.6	-1.2
KSP			eS	S	13 44 00.0	0.0
KSP			MLR	MLR		
KSP	comp=Z,2um,21.7s,MS5.4					
KSP			epP	pP	13 34 33.5	-0.1
KSP			epP	pP	13 34 39.6	-1.2
KSP			epP	PPP	13 38 54.5	-8.5
KSP			eS	S	13 44 00.0	0.0
KSP			LR	LR		
GRI	Girifalco	73.51 307	eP	P	13 34 36.5	+1.9
TDS	Terranova Siba	73.54 308	eP	P	13 34 35.2	+0.5
SMY	Shemya	73.63 38	PFAKE	LR	13 34 50.0	+1.5
SMY			LR	LR		
TRO	Tromso	73.63 339	eP	P	13 34 35.4	+0.8

TRO			eS	S	13 44 03.3	+1.0
TRO			eSS	SS	13 48 47.6	-0.5
TRO			AMS	AMS	14 10 15.4	
ARSA	Arzberg	73.91 316j	iP	P	13 34 36.1	-0.5
ARSA	comp=Z,939nm,2.4s,mb7.7					
LEGS	Legarie	74.07 314	eP	P	13 34 37.4	-0.2
BSD	Bornholm Skovb	74.29 324j	iP	P	13 34 37.5	-1.2
BSD	comp=Z,19nm,1.4s,mb4.8					
BSD			i	S	13 37 29.5	
BSD			S	S	13 44 07.2	-2.7
BJO	Bjornoya	74.36 344	AMS	AMS	14 14 47.6	
BJO	comp=Z,700nm,20.1s,MS5.0					
VISS	Panska Vea	74.41 314	eP	P	13 34 39.2	-0.4
VISS			epP	pP	13 34 40.0	0.0
PVCC	PVCC	74.49 319	eP	pP	13 34 47.1	-0.1
PVCC			ep	x	13 35 04.2	
PVCC			ex	S	13 39 10.5	
PVCC			eS	S	13 44 22.2	+1.0
PVCC			e	MLR	14 11 10.0	
PVCC	comp=Z,0.9nm,21.0s					
PVCC			e	pP	13 34 40.0	0.0
PVCC			e	pP	13 34 47.1	-0.1
PVCC			e	MLR	13 39 10.5	
PRU	Pruhonice	74.52 319	eP	P	13 34 40.6	+0.5
PRU			epP	pP	13 34 47.3	-0.1
PRU			ex	x	13 35 03.9	
PRU			ex	x	13 39 11.7	
PRU			eS	S	13 44 14.3	+1.8
PRU			L		14 11 40.0	
PRU			e	pP	13 34 40.6	+0.5
PRU			e	pP	13 34 47.3	-0.1
PRU			e	S	13 35 11.7	
PRU			eS	S	13 44 14.3	+1.8
PRU			L		14 11 40.0	
PRU			e	pP	13 34 40.7	-0.1
PRU			e	pP	13 34 47.5	-0.6
PRU			e	pP	13 34 41.0	-0.5
MOA	Molln	74.74 316j	iP	P	13 34 42.2	0.0
MOA	comp=Z,135nm,2.1s,mb5.5					
BRG	Berggiesshubel	74.88 320	iP	P	13 34 42.2	0.0
BRG			iP	pP	13 34 49.4	-0.1
BRG			iS	S	13 44 20.0	+3.4
BRG			iSS	SS	13 49 00.0	-7.2
BRG			pmax	pmax		
BRG	comp=Z,100nm,1.6s,mb5.5					
BRG			MLR	MLR		
BRG	comp=N,470nm,19.6s,MS5.0					
BRG			MLR	MLR		
BRG	comp=E,610nm,19.6s,MS5.0					
BRG			MLR	MLR		
BRG	comp=Z,730nm,19.6s,MS5.0					
BRG			iP	P	13 34 42.2	0.0
BRG			i	pP	13 34 49.4	-0.1
BRG			i	S	13 35 06.2	
BRG			iS	S	13 44 20.0	+3.4
BRG			iSS	SS	13 49 00.0	-7.2
BRG			LR	LR		
GECC	GERESS Array S	75.09 317	eP	P	13 34 43.3	-0.2
GECC			pmax	pmax		
GECC	comp=Z,36nm,1.2s,mb5.2					
GECC			P	P	13 34 43.3	-0.2
GERES	GERESS Array B	75.09 317	iP	P	13 34 43.4	-0.1
GERES	comp=Z,9.7nm,0.9s,mb4.7,baz=90,slow=4.0,SNR=34					
KHC	Kasperske Hory	75.16 318	eP	P	13 34 43.5	-0.4
KHC			ep	x	13 34 50.9	-0.2
KHC			ep	pP	13 35 07.6	
KHC			e	S	13 44 19.9	+0.1
KHC			eS	S	14 12 50.0	
KHC	comp=Z,400nm,19.4s,MS4.7					
CADS	Cadrg	75.16 315	eP	P	13 34 43.3	-0.6
KBA	Koelnbreinsper	75.40 316j	iP	P	13 34 44.5	-0.8
KBA	comp=Z,131nm,3.0s					
PTCC	Patocco-Chiusa	75.42 315	eP	P	13 34 44.8	-0.6
CLL	Collm	75.47 320j	iP	P	13 34 45.1	-0.5
CLL	comp=Z,logAT=1.5,mb5.2					
CLL			i	pP	13 34 51.8	-1.0
CLL			i	SP	13 35 06.6	+1.1
CLL			i	PPP	13 39 15.0	-7.7

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MAW, DAG, EJON, CAF, SUR, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like DBAC, SBIC, SIB, SNA, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like LRAL, NATX, BDFB, etc. Includes a section for 'Andaman Islands region' and 'Sandwich Islands region'.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h m s, ISC. Includes stations like Basco, Hateruma jima, Yonaguni jima, etc.

IDC 29 14:05:48.8, 1.0, 14.87Sx167.69E, mb4.1/7, mb1 4.3/7, mb1mx4.2/13, Error ellipse: s-maj=32.7km s-min=-25.1km az=80.0

Main table for 637 section, listing various stations and their coordinates and phases.

JMA 29 14:27:00.5, 0.3, 20.73N-122.48E, M4.1, 1.0, 14.87Sx167.69E, mb4.1/7, mb1 4.3/7, mb1mx4.2/13, Error ellipse: s-maj=32.7km s-min=-25.1km az=80.0

Table for JMA 29 14:27:00.5, listing stations like Basco, Hateruma jima, Yonaguni jima, etc.

JMA 29 14:29:50.3, 0.4, 20.69N-122.54E, M3.9, 1.0, 14.87Sx167.69E, mb4.1/7, mb1 4.3/7, mb1mx4.2/13, Error ellipse: s-maj=32.7km s-min=-25.1km az=80.0

Table for JMA 29 14:29:50.3, listing stations like Basco, Hateruma jima, Yonaguni jima, etc.

Table for 637 section, listing stations like Urewhera, Charters Tower, etc.

IDC 29 14:36:10.4, 8.7, 21.17Sx178.90W, h471km, 81km, mb3.4/6, mb1 3.6/7, mb1mx3.4/15, Error ellipse: s-maj=76.7km s-min=-22.1km az=41.0

Main table for 637 section, listing various stations and their coordinates and phases.

IDC 29 15:07:27.8, 0.5, 13.73N-121.06E, h139km, 4km, mb3.6/10, mb1 3.7/10, mb1mx3.6/19, Error ellipse: s-maj=27.4km s-min=-12.1km az=64.0

Main table for 637 section, listing various stations and their coordinates and phases.

JMA 29 15:18:36.6, 1.3, 20.55N-122.22E, 0.1, h33km, n10, 0.959/19, 11.2, 21, FJ, Islands region

Table for JMA 29 15:18:36.6, listing stations like Basco, Hateruma jima, Yonaguni jima, etc.

NIED 29 15:10:00.2, 0.70N-122.50E, h11km, Mw4.0 Best double couple: M1.05x1015 NPl.9x201, 876, lambda-105, NP2: b=70, 821, lambda-3

Table for NIED 29 15:10:00.2, listing stations like Basco, Callao Caves, Hateruma jima, etc.

Table for 637 section, listing stations like Ishigaki jima, Tarama, Miyako jima, etc.

IDC 29 15:11:50.5, 0.8, 0.40S-132.85E, mb4.1/8, mb1 4.3/10, mb1mx4.2/18, ML4.2/2, MS3.2/3, Ms1 3.3/3, ms1mx3.0/20, Error ellipse: s-maj=39.3km s-min=-16.1km az=72.0

Main table for 637 section, listing various stations and their coordinates and phases.

JMA 29 15:18:37.0, 2.0, 20.72N-122.49E, M3.8, 1.0, 14.87Sx167.69E, mb4.1/7, mb1 4.3/7, mb1mx4.2/13, Error ellipse: s-maj=32.7km s-min=-25.1km az=80.0

Table for JMA 29 15:18:37.0, listing stations like Basco, Hateruma jima, Yonaguni jima, etc.

IDC 29 15:24:17.8, 1.1, 19.46Sx177.97E, mb4.1/7, mb1 4.3/7, mb1mx4.1/15, MS3.2/3, Ms1 3.2/3, ms1mx3.0/19, Error ellipse: s-maj=49.9km s-min=23.8km az=142.0

Main table for 637 section, listing various stations and their coordinates and phases.

IDC 29 15:27:23.4, 6.7, 58.38N-155.24W, h78km, 52km, mb3.7/3, mb1 4.0/6, mb1mx3.6/22, ML4.3/3, Error ellipse: s-maj=52.1km s-min=31.0km az=20.0

Table for IDC 29 15:27:23.4, listing stations like Katmai Barrier, Cahill, Kawthai, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like KARR, KAHD, KJL, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like CLCH, MDZ, Mendocino, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like ANMO, Albuquerque, ILAR, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like ANPK, ANPK, ILIM, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like ANTU, ANTU, ANTU, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like ANMO, Albuquerque, ILAR, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like ANPK, ANPK, ILIM, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like ANTU, ANTU, ANTU, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like ANMO, Albuquerque, ILAR, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like ANPK, ANPK, ILIM, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like ANTU, ANTU, ANTU, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like ANMO, Albuquerque, ILAR, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like ANPK, ANPK, ILIM, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like ANTU, ANTU, ANTU, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like ANMO, Albuquerque, ILAR, etc.



Table listing various station calls (e.g., LZH, XAN, TGY, GTA, SSE, HHC, WMQ, JOW, MKAR, MKAR, SONM, ULN, ZAK, KURK, KURK, CN2, CN2, CN2, FITZ, NVS, NVS, MDJ, MDJ, VOSK, VOSK, BVAR, BVAR, BRVK, BRVK, CHKZ, CHKZ, AB31, WRA, WB2, ARU, ARU, ARU, ARU, ARU, KIV, KIV, KIV, KIV, KIV, KIV, KIV, MALT) and their associated coordinates and frequencies.

MALT ASAF ANN ANN BRTR BRTR MOS MOS OBN OBN OBN STKA STKA AKASG MLR FINES OJC ARCES LSZ VYHS VYHS OKC MORC MORC ZOST DPC DPC KSP PVCC PVCC PRU PRU GERA KHC KHC CLL NOA NOA GRA1 GRA2 GEF GEF SYO MCK MCK MCK ILAR DBIC PLCA PLCA CPUP JMA 29 16:16:11.5... ISG 29 17:19:09.3... NEIC 29 17:19:09.3... ISD 29 17:19:09.3... ISD 29 17:19:09.3... JMA 29 16:35:00.20.70N... MAN 29 16:35:51.1... ISG 29 16:35:49.8... Code Station Name ... Time Res

Code Station Name ... Time Res ... JMA 29 16:57:00.20.70N... NEIC 29 17:19:09.3... ISD 29 17:19:09.3... ISD 29 17:19:09.3... Code Station Name ... Time Res ... BRTR SKESKIN ARR ... BRTR MALT ... MALT MALATYA ... MALT MALATYA





Table with columns for station names (KMI, KKI, etc.), call signs, and various technical parameters like frequency, power, and coordinates.

Table with columns for station names (WRA, WRM, etc.), call signs, and various technical parameters like frequency, power, and coordinates.

Table with columns for station names (SBF, LOR, etc.), call signs, and various technical parameters like frequency, power, and coordinates.



Table listing stations (BRVK, MCK, ILAR, FINES) with details like station name, coordinates, and time. Includes a section for IDC 29 21:55:50.3-4.9, 24.19S-176.33W.

Table listing stations (CTA, WRA, AKASO, BRTR) with details like station name, coordinates, and time. Includes a section for IDC 29 21:55:50.3-4.9, 24.19S-176.33W.

Table listing stations (DJA, NEIC, IDC) with details like station name, coordinates, and time. Includes a section for IDC 29 21:55:50.3-4.9, 24.19S-176.33W.

Table listing stations (KEDI, RATI, INGI, KELI, FITZ) with details like station name, coordinates, and time. Includes a section for IDC 29 21:55:50.3-4.9, 24.19S-176.33W.

Table listing stations (KAKA, WRA, WRA, CWAR, ENH, LSA, SONM) with details like station name, coordinates, and time. Includes a section for IDC 29 21:55:50.3-4.9, 24.19S-176.33W.

Table listing stations (MKAR, MKAR, CHKZ, IDC) with details like station name, coordinates, and time. Includes a section for IDC 29 21:55:50.3-4.9, 24.19S-176.33W.

Table listing stations (TRIS, TSUM, SNA, BDFB, TRQA) with details like station name, coordinates, and time. Includes a section for IDC 29 21:55:50.3-4.9, 24.19S-176.33W.

Table listing stations (CPUP, USHA, PASO, QSPA, LPZA, VND, ESK) with details like station name, coordinates, and time. Includes a section for IDC 29 21:55:50.3-4.9, 24.19S-176.33W.

Table listing stations (BUJ, CSEM, MOS) with details like station name, coordinates, and time. Includes a section for IDC 29 21:55:50.3-4.9, 24.19S-176.33W.

HRVD 29 22:21:41.8-0.1, 4.03S-143.09E, h33km, MW5.7/70, Centroid moment Tensor Solution. LP body waves.

NEIC 29 22:21:41.8-0.1, 4.09S-143.04E, mb5.7/49, ME5.3, MW5.7 Error ellipse: s-maj=6.4km s-min=3.9km az=93.0

Table listing stations (PMG, PMG, PMG) with details like station name, coordinates, and time. Includes a section for IDC 29 21:55:50.3-4.9, 24.19S-176.33W.

Table listing stations (PMG, KAKA, KAKA, CTA) with details like station name, coordinates, and time.

Table listing stations (CTA, CTA, CTAO, CTAO) with details like station name, coordinates, and time.

Table listing stations (GUM, GUM, WRA, WRA) with details like station name, coordinates, and time.

Table listing stations (SAPN, MATI, ANAT, DAT, SARN, ASPA) with details like station name, coordinates, and time.

Table listing stations (BUK, BULP, FITZ, FITZ) with details like station name, coordinates, and time.

Table listing stations (FITZ, FITZ, SCPH, PAGH, MASIP, BESP, IPIL) with details like station name, coordinates, and time.

Table listing stations (OCLP, CNP, PVCP, KEDI, STKA) with details like station name, coordinates, and time.

Table listing stations (STKA, STKA, RATI, ENPP, INGI, TGY) with details like station name, coordinates, and time.

Table listing stations (TGY, TGY, KKM, NOUC, KELI, DZM, FORT) with details like station name, coordinates, and time.

Table listing stations (FORT, FORT, ADE, CBIJ) with details like station name, coordinates, and time.

Table listing stations (SSE, SSE, SSE, SSE) with details like station name, coordinates, and time.

Table listing stations (SSE, SSE, SSE, SSE, SSE) with details like station name, coordinates, and time.

Table listing stations (NJ2, NJ2, NJ2, NJ2, NJ2) with details like station name, coordinates, and time.

Table listing stations (IPM, WNH, WNH, WNH, WNH) with details like station name, coordinates, and time.

Table listing stations (WHN, WHN, WHN, WHN, WHN) with details like station name, coordinates, and time.

Table listing stations (INCH, INCN, KKTK, URZ, URZ) with details like station name, coordinates, and time.

Table listing stations (GPA, GYA, GYA, GYA) with details like station name, coordinates, and time.

Table listing stations (MLZ, NST, TIA, ENH) with details like station name, coordinates, and time.

Table listing stations (ENH, ENH, YUK, YUK) with details like station name, coordinates, and time.

Table listing stations (YUK, YUK, ASAJ, ASAJ, BDT, KMI) with details like station name, coordinates, and time.



29d 23h

Table of astronomical observations for 29d 23h, listing station names (e.g., ILAR, THY, QSPA), coordinates, magnitudes, and various parameters like SNR and error margins.

2004 JUL

Table of astronomical observations for 2004 JUL, listing station names (e.g., QJC, QUC, QJC), coordinates, magnitudes, and various parameters like SNR and error margins.

646

Table of astronomical observations for 646, listing station names (e.g., SJPF, LVC, ROSC), coordinates, magnitudes, and various parameters like SNR and error margins.

NEIC 29 23:39:38.6:0.6, 17.995x178.32W, h540km, mb4.4/6, Error ellipse: s-maj=38.6km s-min=9.6km az=144.0, IDC 29 23:39:42.3:5.2, 18.055x178.37W, h583km, 62km, mb3.4/7.



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Canberra Magne, Charters Tower, Toolangi, Stephens Creek, etc.

WAR 29 23:47:45.6, 0.50, 0.05N-18.45E, h1km, Location given by Central Institute of Mining, origin time based upon RAC

PRU 29 23:47:46.0, 0.50, 0.09N-18.42E

ISC 29 23:47:43.9, 0.6, 50.13N-0.04, 18.35E, 0.04, n12, c1, s17/27/21, Poland

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Raciborz, Ostrava-Krasne, Ojowa, etc.

TIR 29 23:50:10.4, 42.49N, 19.86E, h44km, M12.8

NEIC 29 23:50:12.4, 42.42N, 19.79E, h10km, M2.9(PDG), After PDG

PDG 29 23:50:12.4, 0.1, 42.42N-19.79E, h10km, 1km

ISC 29 23:50:12.3, 0.3, 42.43N-0.02, 19.82E, 0.03, h10km, n29, c1, s124/51, 8C-3D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Plav, Podgorica, Berane, etc.

STR 30 00:00:34.1, 0.2, 43.03N-0.31W, h2km, 1km, M12.3, Error ellipse: s-maj=0.1km s-min=0.0km az=1.0

LDG 30 00:00:34.1, 0.4, 43.03N-0.33W, h2km, M1, 9/2, M1, 7/1, Error ellipse: s-maj=1.8km s-min=0.8km az=1.0

MDD 30 00:00:34.5, 0.2, 43.04N-0.32W, mBLg1, 1/4, Error ellipse: s-maj=2.8km s-min=1.4km az=5.0, PRXIMO

ISC 30 00:00:33.0, 0.5, 43.05N-0.05, 0.29W, 0.03, h2km, n16, c0, s89/22, Pyrenees

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Montagne du Re, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Labassere, View, Arette, etc.

STR 30 00:00:39.6, 0.9, 45.95N-2.81E, h5km, 1km, M12.2, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

LDG 30 00:00:39.4, 0.0, 45.97N-2.79E, h2km, M2, 2/3, M12.2/11, Error ellipse: s-maj=0.9km s-min=0.7km az=89.0

ISC 30 00:00:37.6, 0.3, 45.95N-0.02, 2.77E, 0.03, h10km, 5km, n19, c1, s13/38, France

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Petit Puy Mans, Saint Agoulin, etc.

MOS 30 00:21:51.6, 1.9, 43.68N-46.32E, h10km, mb3.8/1, Error ellipse: s-maj=26.4km s-min=7.7km az=111.1

ISC 30 00:21:53.6, 1.4, 43.51N-0.08, 46.35E, 0.10, h0km, 9km, n14, c0, s87/17, 1C-1D, Eastern Caucasus

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Dulyim, Dublik, etc.

NIED 30 00:30:00, 20.70N, 122.50E, h32km, Mw4.2 Best double couple: M2.46x1015 NP1, 98, 883, 131. NP2, 108, 842, 111

NEIC 30 00:30:00, 7.9, 0.2, 20.21N-122.63E, h45km, Error ellipse: s-maj=18.3km s-min=15.8km az=130.0

JMA 30 00:30:01.1, 0.4, 20.74N-122.50E, M4.3

ISC 30 00:30:02.0, 0.5, 0.2, 20.23N-122.69E, h59km, 55km, mb3.3/4, m1, 3.6/5, mb1mx3.3/17, ML3.3/1, MS3.1/2, Ms1.3/1, 2, ms1mx2.6/15, Error ellipse: s-maj=36.9km s-min=23.1km az=58.0

ISC 30 00:29:54.7, 0.4, 20.30N-0.03, 122.50E, 0.05, h10km, n25, c1, s159/41, mb3.4/4, 2C, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Basco, Mt. Cagua, Callao Caves, etc.

NEIC 30 00:58:07.8, 44.22N-10.62E, h17km, M2.6(ROM), M12.2, (LDG), M1.1, 9(GEN), After ROM

ROM 30 00:58:07.9, 0.1, 44.22N-10.62E, h17km, 1km, M2.6/7, M1.1, 9/4, Error ellipse: s-maj=1.3km s-min=0.9km az=90.0

LDG 30 00:58:11.2, 0.2, 44.12N-10.41E, h2km, M2.4/2, M12.4/5, Error ellipse: s-maj=5.7km s-min=2.6km az=103.0

ISC 30 00:58:08.3, 0.3, 44.21N-0.02, 10.58E, 0.03, h17km, n47, c0, s92/69, 4C, Northern Italy

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Gusciola, Villacollemand, etc.

ISC 30 01:00:50.9, 1.0, 12.15N-94.77E, h19km, 5km, mb3.7/6, m1, 3.8/7, mb1mx3.6/16, ML3.3/1, Error ellipse: s-maj=33.1km s-min=19.3km az=49.0

NEIC 30 01:00:51.0, 0.8, 12.11N-94.75E, mb4.0/3, Error ellipse: s-maj=16.2km s-min=13.5km az=66.0

ISC 30 01:00:48.9, 1.1, 12.11N-0.1, 94.9E, 0.1, h20km,





JMA 30 02:52:00.9-0.4, 20.74N-122.57E, M4.1, Philippine Islands region

JMA 30 03:00:17.4-0.4, 20.68N-122.58E, M3.9, Philippine Islands region

IDC 30 03:14:59.1±1.4, 13.07N-95.60E, h16km,6km,mb3.6/8, mb1 3.8/8, mb1mx3.6/18, Error ellipse: s-maj=46.0km s-min=18.5km az=53.0

NEIC 30 03:15:01.0±1.0, 13.09N-95.64E, h30km, mb4.3/1, Error ellipse: s-maj=47.8km s-min=17.2km az=55.0

ISC 30 03:14:57.0±0.9, 13.11N-0.295.7E±0.3, h20km, h20km, 5km; p-P, n10, 0.1±25/10, mb3.8/9, Andaman Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MKAR, MKAP, SONM, KURK, FITZ, BVAR, CHKA, BRTR, FINES, GERES.

NEIC 30 03:27:16.1, 40.12N-21.79E, h3km, MD3.2(ATH), After ATH

THE 30 03:27:16.4, 40.15N-21.77E, h10km, ML3.1

ATH 30 03:27:16.1, 40.12N-21.79E, h3km, MD3.2/5

ISC 30 03:27:16.6±0.4, 40.16N-0.02±0.21, 78E±0.03, h10km, n22, 0.1±32/36, Greece

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KZN, LIT, MEV, FNA, FNA, LSK, BIA, GRG, OHR, AGG.

AGG Agios Georgios comp=Z, 10.0nm, 0.2s

TRN 30 04:24:31.6, 16.83N-61.99W, h16km, MD3.7

NEIC 30 04:24:32.6, 16.79N-62.01W, h5km, MD3.6(FDF), After FDF

NEIC Felt onMontserrat. RSPR 30 04:24:37.4, 16.18N-62.43W, h25km, 32km, MD4.0/6, MD4.0/6

ISC 30 04:24:33.1±0.4, 16.88N-0.03±62.05W±0.03, h23km, 22km, n46, 0.1±10/66, 15C-4D, Leeward Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MBWH, MBRY, MBRY, MLTY, MBSS, MBGS, MBGB, BPA, BPA, BPA, CPB, SKI, STAT, MGG, SABL, BBL, BBL, DWS, DLVT, MDN, DPMT, DBCT, DBCT, DSTT, SHT, FDF, FDF, FDF, CRM, BIT, MVM, MTP, MTP, MTP, URZ, URZ, URZ, URZ.

NEIC 30 03:53:00.4, 37.07S-176.94E, h204km, After WEL

WEL 30 03:53:00.6±0.3, 37.09S-176.98E, h204km, 3km, ML3.9/3, 2C, Error ellipse: s-maj=5.0km s-min=4.4km az=90.0, North Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MXZ, MXZ, URZ, URZ, URZ.

Table with columns: MWZ, MWZ, MWZ, PUZ, PUZ, PUZ, KNZ, KNZ, KNZ, BKZ, BKZ, BKZ, NGZ, NGZ, NGZ, TUZ, TUZ, WNVZ, WNVZ, MOVZ, MOVZ, TSZ, TSZ, BFZ, BFZ, MRZ, MRZ, KIW, KIW, KIW, MTW, MTW, CAW, CAW, MRW, MRW, MSWZ, MSWZ, QNZ, QNZ, THZ, THZ, KHZ, KHZ, KHZ, LTZ, LTZ.

MEX 30 03:53:26.0±0.7, 16.21N-98.07W, h5km, MD4.0

NEIC 30 03:53:27.7, 16.30N-98.05W, h5km, MD4.0(MEX), After MEX

ISC 30 03:53:23.2±1.0, 16.20N-0.07±98.01W±0.04, h5km, n12, 0.1±34/24, 1D, Near coast of Guerrero

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PNIG, PNIG, OXX, OXX, HUIG, HUIG, HUIG, HUIG, CAIG, CAIG, CAIG, YAI, YAI, YAI, YAI, PPM, PPM, PPM, PPM, CMIG, CMIG, CMIG, CMIG.

JMA 30 04:21:42.9-0.4, 20.74N-122.49E, h1km, M3.8, 1D, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BBB, HATJ, YOJ, JKRS, JKRS, IRIF, IRIF, JUJ, JUJ, TJT, TJT.

TRN 30 04:24:31.6, 16.83N-61.99W, h16km, MD3.7

NEIC 30 04:24:32.6, 16.79N-62.01W, h5km, MD3.6(FDF), After FDF

NEIC Felt onMontserrat. RSPR 30 04:24:37.4, 16.18N-62.43W, h25km, 32km, MD4.0/6, MD4.0/6

ISC 30 04:24:33.1±0.4, 16.88N-0.03±62.05W±0.03, h23km, 22km, n46, 0.1±10/66, 15C-4D, Leeward Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MBWH, MBRY, MBRY, MLTY, MBSS, MBGS, MBGB, BPA, BPA, BPA, CPB, SKI, STAT, MGG, SABL, BBL, BBL, DWS, DLVT, MDN, DPMT, DBCT, DBCT, DSTT, SHT, FDF, FDF, FDF, CRM, BIT, MVM, MTP, MTP, MTP, URZ, URZ, URZ, URZ.

Table with columns: SJG, SJG, SJG, SJG, SJG, CSB, CSB, CELP, CELP, OBIP, OBIP, AOPR, AOPR, MGP, MGP, TRN, TRN.

IGQ 30 04:30:46.7, 1.22S-78.21W, h19km, 1km, mb4.5, Error ellipse: s-maj=2.0km s-min=0.6km az=24.9

ISC 30 04:30:47.8±0.1, 1.22S-0.08±78.27W±0.09, h13km, 11km, n25, 0.0±65/28, 18C-7D, Ecuador

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ULBA, ULBA, JUVU, JUVU, CUSU, CUSU, PATA, PATA, ARRY, ARRY, IGUA, IGUA, MARY, MARY, TAMB, TAMB, VC1, VC1, NAS1, NAS1, QALL, QALL, ANTI, ANTI, JUAZ, JUAZ, GGP, GGP, CGGP, CGGP, PINO, PINO, YANA, YANA, ELAG, ELAG, CAYR, CAYR, JORI, JORI, CONE, CONE, CAYA, CAYA, COTA, COTA, HOJA, HOJA, HOJA.

NEIC 30 04:33:32.4, 16.81N-61.99W, h2km, MD3.4(FDF), After FDF

TRN 30 04:33:33.2, 16.84N-62.01W, h19km, MD3.6

ISC 30 04:33:35.0±0.4, 16.84N-0.03±62.04W±0.04, h21km, 3km, n26, 0.0±95/41, 4C-1D, Leeward Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MBLG, MBLG, MBRY, MBRY, MBWH, MBWH, MLTY, MLTY, MLTY, MLTY, MBSS, MBSS, BPA, BPA, BPA, BPA, CPB, CPB, CPB, CPB, SKI, SKI, STAT, STAT, MARI, MARI, SABL, SABL, SABL, SABL, BBL, BBL, BBL, BBL, DWS, DWS, DLVT, DLVT, MDN, MDN, MDN, MDN, DPMT, DPMT, DBCT, DBCT, DSTT, DSTT, MTP, MTP, MTP, MTP, SJG, SJG, SJG.

ISC 30 04:40:04.5±2.3, 10.16S-112.61E, mb3.9/5, mb1 4.0/6, mb1mx3.6/13, ML3.7/1, MS3.1/1, Ms1 3.3/1, ms1mx2.6/14, Error ellipse: s-maj=11.0km s-min=19.9km az=43.0

NEIC 30 04:40:05.2±1.0, 11.08S-111.83E, h35km, Error ellipse: s-maj=13.2km s-min=13.2km az=201.0

DJA 30 04:40:07.6±0.8, 11.01S-111.91E, h33km, MD4.9/4, ML5.2/3, Error ellipse: s-maj=31.2km s-min=16.5km az=147.0

ISC 30 04:40:08.6±2.3, 10.85S-0.10±112.0E±0.1, h7km, 21km, n19, 0.0±93/26, mb3.8/5, 2C-10D, South of Jawa

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KELI, KELI, KELI, KELI, INGI, INGI, RATI, RATI, RATI, RATI, KEDI, KEDI, FITZ, FITZ, FITZ, FITZ, WRA, WRA, WRA, WRA, CMAR, CMAR, CMAR, CMAR, STKA, STKA, SONM, SONM, MKAR, MKAR, KURK, KURK, CHKZ, CHKZ, TXAR, TXAR.

CMAR comp=Z, 3.4nm, 19.1s, baz=220, slow=38

STKA Stephens Creek 34.38 132 P

SONM Songoing Array 56.63 356 P

MKAR Makanchi Array 63.24 338 P

MAN 30 04:42:51.5, 20.28N, 122.10E, h34km, mb4.5, ML3.3, MS3.2
JMA 30 04:42:53.8, 0.3, 20.71N, 122.55E, h2km, M4.1
ISC 30 04:42:50.0, 0.5, 20.34N, 122.40E, 0.07, h33km, n12,
a=147/21, 1D, Philippine Islands region

FUNV 30 04:43:43.7, 10.90N, 62.18W, h66km, MW2.6
TRN 30 04:43:45.3, 11.06N, 60.65W, h26km, MD3.1
ISC 30 04:43:43.5, 0.7, 10.79N, 0.62, 21W, 0.04, h76km, 7km,
n14, c099/26, 1C-1D, Near coast of Venezuela

THE 30 04:53:39.8, 35.45N, 22.33E, h10km, ML3.6
ATH 30 04:53:39.0, 35.54N, 22.33E, h5km, MD3.9/11
IDC 30 04:53:45.5, 15.0, 36.75N, 23.31E, mb3.7/4, mb1 3/7/4,
mb1mx3.5/19, Error ellipse: s-maj=302.0km s-min=42.9km
az=31.0

NEIC 30 04:53:47.0, 1.1, 35.92N, 22.66E, h72km, 7km, Error
ellipse: s-maj=18.0km s-min=6.4km az=221.0
ISC 30 04:53:40.9, 1.5, 35.5N, 0.1, 22.33E, 0.08, h64km, 10km,
n28, c1504/33, mb3.7/4, 1D, Central Mediterranean Sea

MOS 30 05:02:50.7, 2.9, 43.24N, 46.56E, h16km, mb3.8/1, Error
ellipse: s-maj=36.9km s-min=19.0km az=107.4
ISC 30 05:02:50.0, 2.8, 43.33N, 0.1, 46.6E, 0.1, h19km, 17km, n6,
c025/10, 1D, Eastern Caucasus

TAP 30 05:17:38.3, 24.70N, 121.52E, h74km, 1km, ML3.8
JMA 30 05:17:38.0, 0.4, 23.86N, 121.69E, h30km, M3.4
ISC 30 05:17:38.5, 2.5, 24.33N, 0.6, 121.6E, 0.1, h70km, 47km, n5,
c051/10, Taiwan

YOJ Yonaguni jima 1.90 82 P P 05 18 01.4 0.0
YOJ Yonaguni jima 1.90 82 P P 05 18 18.2 -0.1
YOF Yonaguni jima 1.90 82 P P 05 18 10.2 +0.2

TAP 30 05:22:11.4, 24.05N, 121.00E, h6km, ML3.6, Taiwan
NIED 30 05:31:00.2, 20.70N, 122.60E, h5km, Mw3.5 Best double
couple: M2.02x10^14 NP1.9e4, 675, lambda146: NP2.9e10,
delta7, lambda18:

JMA 30 05:31:53.1, 0.3, 20.70N, 122.61E, M4.0
ISC 30 05:31:51.5, 1.8, 20.6N, 0.1, 122.3E, 0.1, h10km, n8,
c091/13, Philippine Islands region

IDC 30 05:39:48.8, 2.0, 1.72N, 127.30E, mb3.6/3, mb1 3/7/3,
mb1mx3.5/15, Error ellipse: s-maj=165.0km
s-min=23.7km az=66.0, Halmahera

TAP 30 05:47:16.5, 22.88N, 121.40E, h30km, ML3.4
JMA 30 05:47:17.9, 0.3, 22.91N, 121.59E, h83km
ISC 30 05:47:17.5, 2.3, 22.9N, 0.2, 121.6E, 0.2, h30km, n7,
c058/12, Taiwan region

IDC 30 06:03:28.0, 4.0, 4.89S, 68.81E, mb3.8/3, mb1 4/0/3,
mb1mx3.6/15, MS3.3/1, Ms1 3.3/1, ms1mx2.6/19, Error
ellipse: s-maj=131.0km s-min=40.8km az=64.0, Chagos
Archipelago region

NIED 30 06:06:00.2, 20.70N, 122.60E, h59km, Mw4.2 Best double
couple: M2.34x10^15 NP1.9e20, 684, lambda98: NP2.9e81,
delta10, lambda35:
JMA 30 06:06:02.7, 0.3, 20.67N, 122.64E, M4.4
ISC 30 06:06:02.3, 1.7, 20.5N, 0.1, 122.3E, 0.2, h33km, n8,
c093/14, Philippine Islands region

IDC 30 06:08:07.2, 2.3, 30.44N, 83.57E, mb3.5/4, mb1 3/7/5,
mb1mx3.5/20, ML3.4/1, Error ellipse: s-maj=76.2km
s-min=29.3km az=68.0
ISC 30 06:08:12.2, 1.1, 30.7N, 0.1, 83.9E, 0.1, h33km, n6, c095/7,
mb3.3/4, Xizang

JMA 30 06:11:15.6, 0.3, 20.75N, 122.58E, M3.8
ISC 30 06:11:14.8, 1.4, 20.6N, 0.1, 122.2E, 0.2, h33km, n7,
c095/14, Philippine Islands region

OTT 30 06:14:50.3, 1.1, 62.63N, 65.42W, h18km, MN2.5/3,
151km northeast from Resolution Island, Nu, Baffin
Island region

NNC 30 07:09:05.9, 31.0, 36.90N, 69.06E, Error ellipse:
s-maj=359.1km s-min=289.1km az=311.0
NEIC 30 07:09:07.1, 6.9, 36.96N, 71.24E, h128km, 46km, mb4.0/1,
Error ellipse: s-maj=56.8km s-min=17.7km az=187.0
IDC 30 07:09:09.3, 9.2, 37.04N, 71.25E, h145km, 66km, mb3.5/8,
mb1 3.5/10, mb1mx3.3/22, Error ellipse: s-maj=84.0km
s-min=21.7km az=2.0
ISC 30 07:08:58.8, 0.7, 36.50N, 0.05, 71.1E, 0.1, h88km, 13km,
n29, c072/31, mb3.8/8, 1C-2D, Afghanistan-Tajikistan
border region

CEP Cherat 2.74 166 Op P 07 09 42.8 +1.0
CHC Chirah Chowk 3.33 148 P P 07 09 50.4 +0.5
THW Thame Wali 3.73 172 P P 07 09 55.5 +0.1
SBPD Sheikh Budin 4.02 184 P P 07 10 01.4 -0.5
SARP Sargodha 4.74 164 S S 07 10 07.9 -1.4
DRL Derazinda 4.80 190 P P 07 10 10.1 -0.1
AMP Alamyashu 5.96 19 P P 07 10 26.7 +0.6
UCH Uchtor SNR=77 6.29 24 P S 07 11 36.4 -5.4
KZA Kyzart SNR=7.2 6.42 29 P P 07 10 32.6 +0.1
EKS2 Erkin-Say SNR=9.9 6.49 18 P P 07 10 33.7 +0.3
IAK Ala-Archa SNR=10 6.65 22 P P 07 10 36.1 +0.4
CHMS Chumysh SNR=12 7.07 22 P P 07 10 41.5 +0.1
USP Oshpyovka SNR=8.8 7.24 20 P P 07 10 43.8 0.0
TKM2 Tokmak 2 7.28 27 P P 07 10 44.4 +0.1
MKAR Makanchi Array 13.23 36 P P 07 12 03.3 -0.9
AB31 Akbulak Array 15.34 31 Op P 07 12 27.4 -1.3
AB31 2.0m, 0.5s, baz=154, slow=1.1, SNR=27, S 07 15 02.6 -1.2
BVA0 Borovoye Array 16.53 358 P P 07 12 51.1 +4.9
BVK Borovoye Array 16.53 358 P P 07 12 46.0 -0.3
CHZ2 Chkalov 17.18 359 Op P 07 12 53.8 -0.6
SONM Songino Array 28.25 55 P P 07 14 46.2 +0.7
AKAS2 Malin Aray 33.03 309 P P 07 15 28.2 +0.7
MLR Muntele Ross 34.88 299 P P 07 15 45.2 +0.9
FINES Finess Array B 37.55 326 P P 07 16 05.8 +0.1
ARCES ARCESS Array B 41.19 332 P P 07 16 36.2 +0.4
ARCES ARCESS Array B 41.19 332 P P 07 16 36.2 +0.4
HFS Hagfors 41.19 328 P P 07 16 51.6 -0.1
NB2 NORSTAR Subarra 44.45 323 P P 07 17 02.3 0.0
NOA NORSTAR Array B 44.45 323 P P 07 17 01.9 -0.4
YKA Yelovknite Ar 81.24 3 P P 07 21 04.7 -1.3

IDC 30 07:13:47.8, 1.5, 2.22N, 128.85E, mb4.1/6, mb1 4/2/6,
mb1mx4.0/15, Error ellipse: s-maj=182.0km s-min=18.1km
az=71.0
ISC 30 07:13:50.9, 1.0, 2.22N, 0.2, 128.7E, 0.5, h33km, n8, c087/28,
mb4.1/6, Halmahera

TIF 30 07:14:05.0, 39.75N, 43.97E, h12km, Mpv5.2
BJJ 30 07:14:06.8, 39.60N, 44.00E, h5km, mb5.1, mb4.9, Ms4.0,
Ms2.4
CSEM 30 07:14:06.2, 39.63N, 44.02E, h2km, mb4.8
NEIC 30 07:14:07.8, 39.63N, 43.97E, h5km, mb4.8/36, MS4.0/9,
after ISK
NEIC At least one person killed, 5 injured and some houses
damaged in the Dogubeyazit area.
ZUR\_RM 30 07:14:07.39, 63N, 43.97E, h24km, Mw4.9/16, Moment
Tensor Solution. s16 Moment tensor: Scale 10^18Nm;
Mn0.78; Mn2.64; Mn3.86; Mn4.18; Mn5.10; Mn6.08;
Best double couple: M2.61x10^16 NP1.9e12, delta2,
lambda172: NP2.9e31, delta2, lambda8: Principal axes: T.2.153,
Pig0, Azm256; N.923, Pig79; Azm166; P.3.076,
Pig11; Azm346:
ISK 30 07:14:08.2, 39.62N, 43.90E, h5km, M4.5, ML4.6
MOS 30 07:14:08.9, 1.2, 39.64N, 43.90E, h10km, mb4.6/14, Error
ellipse: s-maj=5.6km s-min=1.6km az=124.7
IDC 30 07:14:16.5, 2.5, 39.78N, 43.81E, h68km, 24km, mb4.0/20,
mb1 4.1/25, mb1mx4.1/28, MS4.1/13, Ms4.1/13, Ms1.4/13,
ms1mx3.8/27, Error ellipse: s-maj=18.1km s-min=12.7km
az=5.0
ISC 30 07:14:08.2, 0.2, 39.76N, 0.02, 43.97E, 0.02, h10km,
(h15km, 2.2km; p-P), n267, c1543/289, mb4.7/10, MS4.2/34,
12C-11D, Turkey

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like ERZM Erzurum, TBLG Delisi, TI2 Plekhanov, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like PSZ Piszkesteto, ARU Arti, ARU comp=Z,22nm,0.7s, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like WET Wettzell, TOLFA Tofla, SFI Santa Sofia, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, etc. Includes stations like WMO, FLN, TRO, GRR, ETSF, etc.

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, etc. Includes stations like ILAR, DAWY, YKA, YKA, etc.

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, etc. Includes stations like ESDC, MTE, SONG, ULN, etc.

Table with columns: Code, Station Name, Az, AzE, Phase ID, Time, Res, ISC. Includes stations like SVSK Karacayir, BRTR Keskin Array B, MLR Muntele Rosu, etc.

Table with columns: Code, Station Name, Az, AzE, Phase ID, Time, Res, ISC. Includes stations like TIY Taiyuan, NWAO Narrogin (SRO), BJT Baijiutau, etc.

Table with columns: Code, Station Name, Az, AzE, Phase ID, Time, Res, ISC. Includes stations like HFS Hagfors, NB2 NORSAR Subarra, NB2 NORSAR Subarra, etc.

CSEM 30 07:37:44.6, 3.01N, 127.86E, h33km, mb5.8
BJL 30 07:37:46.6, 3.28N, 126.81E, h41km, mb5.1, mb5.4, Ms4.9, Ms4.7

MOS 30 07:37:48.5, 1.0, 3.64N, 126.84E, h33km, mb5.4/25, Ms4.6/9, Error ellipse: s-maj=17.3km s-min=8.0km az=113.0

HRVD 30 07:37:49.2, 0.3, 3.91N, 126.98E, h27km, MWS, 3/48, Centroid moment Tensor Solution. LP body waves: s44, c60, Mantle waves: s48, c67; Halp duration: 152 Moment tensor: Scale 1017Nm; M=0.29z, 0.2; M0=0.23z, 0.2; M1=0.52z, 0.2; M2=0.23z, 0.4; M3=0.07z, 0.2; M4=0.88z, 0.4; Best double couple: Mo1.01x1017 NP1.141, 1.818, 1.37N, NP2.315, 1.879, 1.104; Principal axes: T, 94, P1g54; Azm302; N, 15, P1g14, Azm193; P, 1.09, P1g33; Azm83; nsta1 refers to body waves, cutoffs=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 30 07:37:49.2, 2.5, 3.63N, 126.80E, h26km, 17km, mb5.3/26, Ms4.4/19 Error ellipse: s-maj=8.4km s-min=5.4km az=67.0

IDD 30 07:37:50.6, 1.9, 3.50N, 126.76E, h38km, 15km, mb4.9/32, mb1 4.9/33, mb1mx4.9/35, ML5.1/1, Ms1 4.0/1, ms1mx3.4/13, Error ellipse: s-maj=16.4km s-min=7.7km az=77.0

ISC 30 07:37:48.8, 0.2, 3.62N, 126.87E, 0.05, h35km, h35km, 2.8km, p-p, P, m240, s113/200, mb5.2/75, Ms4.5/31, Ms4.7

Code Station Name Az AzE Phase ID Time Res ISC

Main table with columns: Code, Station Name, Az, AzE, Phase ID, Time, Res, ISC. Includes stations like GSHP General Santos, MATI Mati, PAGZ Pagadian, etc.

BJL 30 07:37:32.6, 3.47N, 126.75E, h22km, mb5.1, mb5.0, Ms4.7, Ms4.4

NEIC 30 07:37:36.4, 3.1, 3.59N, 126.54E, h23km, 22km, mb4.6/16, Error ellipse: s-maj=10.7km s-min=5.6km az=74.0

IDD 30 07:37:43.2, 4.5, 3.58N, 126.77E, h91km, 42km, mb4.4/24, mb1 4.4/24, mb1mx4.3/26, Error ellipse: s-maj=22.3km s-min=11.4km az=80.0

ISC 30 07:37:37.0, 0.2, 3.55N, 126.64E, 0.06, h41km, h41km, 2.9km, p-p, P, n127, s119/116, mb4.8/53, Ms4.5/9, Ms4.4

Table with columns: Code, Station Name, Az, AzE, Phase ID, Time, Res, ISC. Includes stations like GSHP General Santos, KCP Kidapawan, CTBH Cotabato-PC H, etc.





30d 8h

Table listing various stations with columns for Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, and Residual. Includes stations like Panska Ves, Puhonice, Pruhonice, etc.

DJA 30 07:41:25.8-1.0, 7.71S, 116.55E, h33km, ML3.8/2, 2C-2D, Error ellipse: s-maj=23.4km s-min=17.3km az=56.0, Baili Sea

Table listing stations for DJA with columns for Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, and Residual. Includes stations like KEDI, RATI, MWZ, etc.

2004 JUL

Main table listing stations with columns for Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, and Residual. Includes stations like Black Stump Fm, Ngauruhoe, etc.

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Table listing stations with columns for Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, and Residual. Includes stations like FITZ, PMG, WRA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PDAR, ULM, ULM, OMM, NVAR, HLID, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BBP, BBP, SGCP, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JMA, JMA, ISG, etc.

IDC 30 08:32:19.4-0.7, 4.49S, 153.90E, h76km, 4km, mb4.0/11, m1.4, 1/12, mb1mx4.0/16, MS3.5, Ms1 3.4/3, ms1mx2.1/15, Error ellipse: s-maj=18.4km s-min=11.8km az=106.0

NEIC 30 08:32:22.6-2.4, 4.55S, 153.59E, h104km, 20km, mb4.6/4, Error ellipse: s-maj=18.5km s-min=10.8km az=80.0

ISC 30 08:32:18.5-0.5, 4.50S, 0.07, 153.71E, 0.09, h83km, h83km, 2, 9km, P-P, n27, 0.994/31, mb4.4/14, 3C, New Ireland region

IDC 30 09:08:40.4-3.5, 64.53N, 32.24E, mb1 2.9/4, mb1mx2.9/20, ML2.6/4, Error ellipse: s-maj=48.1km s-min=11.0km az=101.0

ISC 30 09:08:42.9-0.3, 64.73N, 0.03, 30.7E, 0.1, n18, 0.158/32, Finland-Karelia border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PMG, PMG, PMG, CTA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BBP, BBP, SGCP, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MSF, MSF, KJA, etc.

STR 30 08:47:00.2-0.2, 44.45N, 6.81E, h5km, 1km, ML1.9, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

LDG 30 08:47:00.0-0.1, 44.43N, 6.81E, h2km, Md2.1/2, Md2.1/6, Error ellipse: s-maj=1.4km s-min=0.8km az=80.0

ISC 30 08:46:59.3-0.4, 44.53N, 0.02, 6.77E, 0.05, h9km, 6km, n16, 0.557/27, France

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MBDF, MBDF, OUG, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MBDF, MBDF, OUG, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HFS, HFS, HFS, etc.

IGQ 30 08:37:27.7, 1.20S, 78.21W, h13km, 2km, mb4.1, 15C-4D, Error ellipse: s-maj=1.6km s-min=0.9km az=37.8, Ecuador

JMA 30 09:01:50.8-0.2, 29.06N, 131.95E, h66km, M3.5, ISC 30 09:01:49.8-1.4, 29.04N, 132.0E, 0.1, h66km, n10, 0.983/19, Southeast of Ryukyu Islands

NEIC 30 10:23:11.9, 38.11S, 176.08E, h187km, After WEL, WEL 30 10:23:13.3-0.3, 38.13S, 176.07E, h173km, 2km, ML4.3/8, 7C, Error ellipse: s-maj=2.3km s-min=2.2km az=90.0, North Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ULBA, ULBA, JUV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JMA, JMA, JMA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like UTU, UTU, LIR, etc.

NIED 30 08:40:00.20, 70N, 122.50E, h32km, Mw4.3, Best double couple: M=2.67x10^15 Np1, 0.4, 0.79, 120, NP2: 0.112, 0.32, 121

NIED 30 09:02:00.20, 70N, 122.50E, h38km, Mw3.8, Best double couple: M=6.12x10^14 Np1, 0.26, 0.68, 1-135, NP2:

WEL 30 10:23:13.3-0.3, 38.13S, 176.07E, h173km, 2km, ML4.3/8, 7C, Error ellipse: s-maj=2.3km s-min=2.2km az=90.0, North Island

30d 12h

Table with 5 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Lists stations like DRZ, WNVZ, MOVZ, etc.

GU 30 10:23:17.4.0.8,23.72S<69.37W,h40km±11km,ML3.5,2C, Northern Chile

Table with 5 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Lists stations like ANCH, LVC, CPN1, etc.

NEIC 30 10:33:41.0.9,12.19S<76.61W,h114km±98km,mb4.2/1, Error ellipse: s-maj=41.8km s-min=13.7km az=50.0

NEIC Felt (III) at Matucana. IDC 30 10:33:44.4.8.5,10.59S<73.35W,h283km±124km,mb3.0/1, m1 3.3/2, mb1mx2.9/18, Error ellipse: s-maj=414.0km s-min=59.5km az=58.0

ISC 30 10:33:28.8.1.2,12.2S<10.176.2W,0.2,h121km±14km,n7, α83°/9,mb3.7/1,Near coast of Peru

Table with 5 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Lists stations like NNA, ARE, LPAZ, etc.

TAP 30 10:53:45.2,24.83N<121.93E,h5km±1km,ML1.7

JMA 30 10:52:47.9.0.1,24.11N<123.86E,h49km±1km,ML1.9, Southwestern Ryukyu Islands

Table with 5 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Lists stations like HATJ, JKRS, IRIIF, etc.

2004 JUL

Main table with 5 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Lists stations like AML, UCH, KKSZ, etc.

WEL 30 11:03:59.7.0.2,38.17S<178.34E,h51km±1km,ML3.5/2, 2D, Error ellipse: s-maj=2.4km s-min=1.2km az=90.0, Off east coast of North Island

Table with 5 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Lists stations like PUZ, MXZ, MWZ, etc.

NIED 30 11:28:00.20.70N<122.60E,h35km,Mw3.7 Best double couple: M4.15x10^14 Np1<347°,δ85°,λ-170°. NP2: α316°,δ80°,λ-5°

MAN 30 11:28:16.7.2.0,09N<122.38E,h1km,mb4.6,ML3.5,MS3.5

JMA 30 11:28:20.2.0.2,20.69N<122.57E,M4.0

ISC 30 11:28:17.0.0.4,20.34N<0.03<122.38E,0.06,h33km,n16, α126°/31,TC-1D,Philippine Islands region

Table with 5 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Lists stations like BBP, CVP, APYP, etc.

IDC 30 12:03:40.2.1.1,41.07S<90.29W,mb3.8/7,mb1 4.2/9, mb1mx4.2/15,ML3.6/2,MS4.4/5,Ms1 4.4/5,ms1mx4.0/17, Error ellipse: s-maj=27.7km s-min=24.6km az=95.0

NEIC 30 12:03:41.3.0.5,41.15S<90.24W,h10km,mb4.4/4, Error ellipse: s-maj=14.2km s-min=10.5km az=56.0

ISC 30 12:03:40.1.4.8,41.19S<0.08<90.2W,0.2,h13km±28km, n26,α196°/26,mb4.1/13,MS4.2/3,Southeast of Easter Island

Table with 5 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Lists stations like PLCA, PLCA, USHA, etc.

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Table with 5 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Lists stations like CPUP, CPUP, LPAZ, etc.

NEIC 30 12:13:11.4.4.1,16S<174.59E,h60km,ML4.5(WEL), After WEL

NEIC Felt in the Wellington area. WEL 30 12:13:11.3.0.1,41.17S<174.60E,h61km,ML4.5/0, Error ellipse: s-maj=0.7km s-min=0.6km az=0.0

WEL Felt from Manawatu to Nelson, maximum reported intensity MM 5.

ISC 30 12:13:10.0.0.2,41.18S<0.02<174.57E,0.03,h61km,n106, α154°/137,14C-11D,Cook Strait

Table with 5 columns: Code, Station Name, Azimuth, Phase ID, Time Res. Lists stations like MRW, MRW, MRW, etc.





Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for Bajijatuau, Beijing, Eielson Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for RPZ, TXAR, DUG, PDAR, DBIC, CTA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries for POLP, TGJ, PVCP, etc.

30d 15h

Table with columns: GERES, GRESS Array B, GRESS Array B, GERES. Includes station names, coordinates, and time offsets.

JMA 30 15:17:19.8:0.2,24.06N:125.95E, h81km,5km, M3.2
IDC 30 15:17:22.0:6.5,24.11N:126.18E, h42km,70km, mb3.4/4,
mb1 3.5/5, mb1mx3.3/20, ML3.2/1, Error ellipse:
s-maj=53.4km s-min=20.6km az=75.0

ISC 30 15:17:19.2:0.9,24.10N:0.07x125.99E:0.04, h81km, n23,
+0972, mb3.5/4, Southeastern Ryukyu Islands

Main data table for the 30d 15h period, listing station codes, names, coordinates, and time offsets.

IDC 30 15:25:12.8:2.1,21.63N:143.08E, h290km,19km, mb3.2/6,
mb1 3.4/7, mb1mx3.1/22, Error ellipse: s-maj=35.9km
s-min=16.6km az=84.0

ISC 30 15:25:12.7:1.8,21.64N:0.1x142.9E:0.3, h301km,16km, n9,
+0911/10, mb3.5/7, 1/D, Mariana Islands region

Continuation of the main data table for the 30d 15h period.

NIED 30 15:44:00.34.00N:140.30E, h77km, Mw4.7, Best double
couple: Mo:1.49x10^16 NP1:194, delta3:1, 109: NP2:
6.403x10^20, delta2:1, 121

BJI 30 15:44:33.9,33.90N,140.80E, h95km, mb4.8, mb4.7

JMA 30 15:44:39.2:0.1,34.05N:140.35E, h72km,2km, M4.7
Broadband fault plane solution: P waves, NP1:175, delta3:
lambda-81, NP2:346, delta7: lambda-90. Principal axes: T P1g42,
Azm76; N P1g0, Azm166; P P1g48, Azm255;

JMA Felt II J1

IDC 30 15:44:40.2:0.5,34.03N:140.12E, h80km,4km, mb4.4/18,
mb1 4.6/21, mb1mx4.5/25, MS3.7/14, Ms1 3.7/14,
ms1mx3.5/26 Error ellipse: s-maj=14.7km s-min=7.8km
az=100.0

MOS 30 15:44:41.5:0.3,34.55N:140.09E, h80km, mb5.1/27, Error
ellipse: s-maj=14.1km s-min=6.3km az=106

NEIC 30 15:44:42.0:0.6,34.02N:140.12E, h85km,5km, mb4.7/59,
MW4.8(NIED), Error ellipse: s-maj=4.4km s-min=3.8km
az=119.0

NEIC Recorded [2 JMA] in Chiba, Kanagawa and Tokyo; [1
JMA] in Shizuoka Prefecture. Also recorded [2 JMA] on
Hachio-jima and Miyake-jima; [1 JMA] on Kozu-shima,
Mikura-jima, Niijima and O-shima.

ISC 30 15:44:39.3:0.3,34.00N:0.03x140.20E:0.03, h84km,2km,
h76km,1.6km:p-P,n256, delta190/274, mb4.7/95, 18C-18D,

Southeast of Honshu

Table listing station codes and names for the Southeast of Honshu region.

2004 JUL

Main data table for the 2004 JUL period, listing station codes, names, coordinates, and time offsets.

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Main data table for the 662 period, listing station codes, names, coordinates, and time offsets.



Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like BVA0 Borovoye Array, SML Sawmill, COLA College, ILAR Eilsion Array, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like NVAR Mina Array Bea, NVAR comp=Z.3.6nm,0.7s, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like GERES GERESS Array B, MMB Musomiste, WET Wetzell, etc.

MEX 30 15:46:04.6-0.6, 16.74N<100.14W, h8km, 6km, MD4.1, Near coast of Guerrero. Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

NEIC 30 15:52:43.2, 38.21S<176.03E, h199km, After WEL. Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

WEL 30 15:52:43.5-0.3, 38.19S<176.06E, h196km, 2km, ML4.1/8, 8C, Error ellipse: s-maj=2.4km s-min=2.0km az=90.0, North Island. Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

30d 16h

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like Takapari Road, North Egmont, Matakaoa Point, etc.

16:04:32.6i.3.0, 14.71N: 123.90E, mb4.3/9, mbl 4.4/10, mb1mx4.2/18, ML4.4/1, MS3.3/2, Ms1 3.3/2, ms12.9/23, Error ellipse: s-maj=71.5km s-min=22.7km az=149.0, MAN 30 16:04:39.1, 15.03N: 123.46E, h49km, mb5.0, ML3.9, MS3.9

NEIC 30 16:04:41.8z.2.5, 14.44N: 123.57E, h74km, 22km, mb4.6/4, Error ellipse: s-maj=25.0km s-min=12.2km az=72.0, ISC 30 16:04:39.2i.3.0, 15.04N: 123.52E, h43km, 6km, n46, c096/60, mb4.3/16, MS3.3/1, 2C-1D, Philippine Islands region

Table listing stations in the Philippines Islands region, including stations like Guinayangan, Polilio Island, Virac, San Andres, etc.

2004 JUL

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like Inuvik, Malin Array B, NORARS Subarra, etc.

16:06:03.6i.1.0, 3.76N: 126.95E, mb4.2/11, mb1 4.3/11, mb1mx4.2/18, Error ellipse: s-maj=56.3km s-min=14.9km az=71.0, BUJ 30 16:06:08.0, 3.52N: 126.85E, h62km, mb4.9, mb4.6, NEIC 30 16:06:11.3z.3.9, 3.64N: 126.79E, h56km, 39km, mb4.5/7, Error ellipse: s-maj=22.5km s-min=8.5km az=75.0, ISC 30 16:06:12.2i.1.0, 3.65N: 126.07E, 126.6E, 0.1, h77km, 9km, n36, c113/37, mb4.3/22, 2C-2D, Talaud Islands

Table listing stations in the Talaud Islands region, including stations like Mati, Kidapawan, Cotabato-PC H, etc.

JMA 30 16:20:46.8i.0.3, 20.71N: 122.47E, M4.2, ISC 30 16:20:43.6i.0.3, 20.32N: 102.122E, 122.39E, 0.06, h33km, n21, c1520/38, 1D, Philippine Islands region

Table listing stations in the Philippine Islands region, including stations like Basco, Mt. Cagua, Callao Base, etc.

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Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like Gusukube, Polilio Island, Kume jima 2, etc.

DJA 30 16:28:51.4i.0.9, 8.30S: 115.89E, h15km, MD5.3/3, ML3.7/1, 6D, Error ellipse: s-maj=26.5km s-min=7.0km az=177.0, Ball region

Table listing stations in the Ball region, including stations like KEDI Kedomdong, RATI Rata, RATI Ingas, etc.

NEIC 30 16:47:07.3z.3.2, 13.76N: 91.00W, h45km, 20km, mb4.1/9, Error ellipse: s-maj=30.2km s-min=17.0km az=157.0, CASC 30 16:47:13.3z.2.0, 13.91N: 91.49W, h40km, 243km, MD4.1, ML4.0, mb4.1 (NEIC), ISC 30 16:47:19.9z.2.6, 14.37N: 90.92W, h132km, 22km, mb3.6/7, mb1.8/9, mb1mx3.6/20, Error ellipse: s-maj=28.4km s-min=15.5km az=59.0, ISC 30 16:47:13.0i.0.7, 14.07N: 0.089E, h44W, 0.05, h88km, 4km, n43, c1919/57, mb3.9/13, 3C-5D, Guatemala

Table listing stations in Guatemala, including stations like FUGO Fuego 3, PACAYA, GCG Guatemala City, etc.

GUC 30 16:59:23.1z.1.0, 31.31S: 71.64W, h24km, 4km, MD3.6, ML3.5, NEIC 30 16:59:23.1, 31.31S: 71.64W, h24km, ML3.5 (GUC), After GUC, ISC 30 16:59:22.8z.2.7, 31.30S: 71.8W, 0.3, h26km, 41km, n12, c0935/17, 1C-3D, Near coast of central Chile

Table listing stations in Chile, including stations like PACH Papudo, TLL Tololo Astrono, TLL Tololo, etc.









Table with columns for team names (e.g., NCRB, GDR, SIT), performance statistics, and scores. Includes teams like Gold River, Sitka, Fort Saint Jam, Campbell River, and many others.

Table with columns for team names (e.g., WDC, RSO, SPU, MCK), performance statistics, and scores. Includes teams like Whiskeytown Da Redoubt Spurr, Mount Spurr, McKinley, and many others.

Table with columns for team names (e.g., JMJC, YSS, ARCES), performance statistics, and scores. Includes teams like Jan Mayen, Yuzh-Sakhalins, ARCESS Array B, and many others.

31d 2h

Table of station data for the 31d 2h period, including station names, coordinates, and various parameters like elevation and frequency.

NIED 31 00:50:00, 20.70N, 122.60E, h17km, Mw3.6 Best double couple...

JMA 31 00:50:13.1±0.4, 20.66N, 122.59E, M2.6±0.1 h33km, n11, ±142/18, 1D, Philippine Islands region

Table of station data for the Philippine Islands region, listing station names, coordinates, and parameters.

STR 31 01:08:11.3±0.2, 46.12N, 2.87E, h5km, 1km, MI2.1, Error ellipse: s-maj=0.0km s-min=0.0km az=1.0

LDG 31 01:08:10.9±0.1, 46.17N, 2.84E, h2km, Md2/0, 2, MI2/0/9, Error ellipse: s-maj=2.0km s-min=1.4km az=118.0, France

Table of station data for the France region, listing station names, coordinates, and parameters.

2004 JUL

Main table of station data for the 2004 JUL period, listing station names, coordinates, and parameters.

IDC 31 01:25:59.1±3.4, 16.63S, -177.14W, mb4.3/3, mb1 4.4/3, mbl1mx3.9/14, Error ellipse: s-maj=154.0km s-min=43.5km az=141.0, Fiji Islands region

Table of station data for the Fiji Islands region, listing station names, coordinates, and parameters.

MOS 31 01:51:29.6±1.7, 63.17S, 165.97W, h10km, mb5.1/3, Error ellipse: s-maj=81.1km s-min=32.0km az=90.8

IDC 31 01:51:29.9±0.7, 63.17S, 165.76W, mb4.5/9, mb1 4.6/10, m1mx4.6/12, ML4.2/1, MS5.1/12, Ms1.5/1/2, ms1mx5.0/15, Error ellipse: s-maj=29.1km s-min=18.9km az=15.0

HRVD 31 01:51:31.7±0.2, 63.32S, 165.66W, h12km, Mw5.6/67, Centroid moment Tensor Solution. LP body waves: s61, c113, Mantle waves: s67, c137. Half duration: 196

Moment tensor: Scale 10^17Nm; Mr=0.42±0.05; Mw=2.53±0.05; Ms=2.11±0.04; M0=0.90±0.13; Mw2.07±0.04; Ms2.02±0.11; Best double couple: M3.27x10^17, NP1: φ=204°, δ72°, λ=179°; Azm20°; N=46, Plg72°, Azm291°; P=3.04, Plg13°, Azm67°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 31 01:51:31.7±0.4, 63.20S, 165.67W, h10km, mb5.3/3 Error ellipse: s-maj=14.2km s-min=11.6km az=61.0

IDC 31 01:51:31.2±0.5, 63.26S, 165.6W, 0.2, h10km, n57, φ191/20, mb4.7/13, MS5.2/13, 3C-2D, Pacific-Antarctic Ridge

Table of station data for the Pacific-Antarctic Ridge region, listing station names, coordinates, and parameters.

670

Table of station data for the 670 period, listing station names, coordinates, and parameters.

TIF 31 02:12:26.6, 39.67N, 44.07E, h17km, Mpv5.0

ISK 31 02:12:30.2, 39.64N, 43.95E, h21km, MD3.7

IDC 31 02:12:30.9±2.9, 39.91N, 44.06E, mb3.6/7, mb1 3.7/9, mbl1mx3.6/21, ML3.2/2, Error ellipse: s-maj=58.3km s-min=20.6km az=3.0

NEIC 31 02:12:34.9±1.6, 39.78N, 44.04E, h38km, 17km, mb4.0/3, Error ellipse: s-maj=16.6km s-min=11.0km az=153.0

MOS 31 02:12:35.0±1.2, 40.04N, 43.86E, h33km, mb3.8/5, Error ellipse: s-maj=20.2km s-min=12.7km az=106.2

ISC 31 02:12:29.5±0.4, 39.87N, 0.03W, 44.04E, h10km, n45, φ182/58, mb3.6/9, 1C-4D, Iran-Armenia-Azerbaijan border region

Table of station data for the Iran-Armenia-Azerbaijan border region, listing station names, coordinates, and parameters.





31d 4h

2004 JUL

Table of astronomical data for 31 days in July 2004, listing objects like CD2, HHC, HNC, etc. with columns for name, RA, Dec, magnitude, and other parameters.

Table of astronomical data for 31 days in July 2004, listing objects like NST, Nakhon Sawan, BDR, etc. with columns for name, RA, Dec, magnitude, and other parameters.

Table of astronomical data for 31 days in July 2004, listing objects like NIG, ZFRI, PRNI, etc. with columns for name, RA, Dec, magnitude, and other parameters.

ATH 31 03:50:07.2, 34.85N-25.68E, h13km, MD3.7/4

NEIC 31 04:06:25.8, 34.43N-32.05E, h25km, ML3.3(NIC), After NIC.

ISC 31 04:06:28.0, 34.64N-32.21E, h20km, MD3.5

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error.

Table with columns for station name, frequency, power, and signal strength. Includes stations like SONA, AYA NAGAR, NDI, BHGR, AHJM, KHET, etc.

Table with columns for station name, frequency, power, and signal strength. Includes stations like SNY, ZAK, ZAK, JUNU, TLY, TLY, TLY, etc.

Table with columns for station name, frequency, power, and signal strength. Includes stations like FINES, FINES, FINES, FINES, SUW, CRVS, KECS, PSZ, etc.

Table with columns: Station, Name, Azimuth, Phase, ID, Time, Res. Includes stations like GUSCL, BDI, STU, SPAI, VAK, PGI, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like NVAR, NVAR, NVAR, etc.

Table with columns: Station, Name, Azimuth, Phase, ID, Time, Res. Includes stations like JOW, JOW, JOW, etc.



31d 6h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LPL La Plagne, PGF Pioglotia, SBF Sospel, etc.

BJI 31 05:38:08.4, 0.99S; 133.25E, h34km, mb4.9, mb4.9, Ms4.2, Ms3.9

NEIC 31 05:38:08.6, 0.6, 0.53S; 133.08E, mb4.4/10, mb1 4.6/13, mb1mx4.5/18, ML3.9/1, MS4.2/14, Ms1 4.2/14, ms1mx4.0/23, Error ellipse: s-maj=35.4km s-min=13.9km az=67.0

NEIC 31 05:38:10.7, 5.5, 0.57S; 132.98E, h14km, 34km, mb4.8/12, Error ellipse: s-maj=15.3km s-min=8.8km az=64.0

ISC 31 05:38:11.7, 0.4, 0.69S; 0.05:132.86E, 0.10, h33km, (h17km, 7.3km; p-P, P), ns5, sP127/53, mb4.7/24, MS4.2/16, 2C-3D, Irian Jaya region

Main table for 31d 6h section, listing station codes, names, coordinates, and seismic data for various stations like KAKA, PMG, FITZ, etc.

2004 JUL

Table listing seismic events with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RPZ Rata Peaks, WLN Koldanda, etc.

NEIC 31 05:40:00.20, 70N, 122.60E, h44km, Mw4.1 Best double couple: M0.14x10^15 Np1.2s, 16.879, lambda 1.16, NP2.0s, 128.828, lambda 2.24

JMA 31 05:40:23.0, 2.0, 20.68N; 122.61E, M4.0

ISC 31 05:40:21.2, 0.7, 20.37N; 122.61E, 0.05:122.39E, 0.07, h33km, n10, sP127/18, 1D, Philippine Islands region

Table listing seismic events for Philippine Islands region, including stations like URZ Urewera, CTB Charters Tower, etc.

ISC 31 05:56:11.5, 1.6, 33.33S; 178.26W, mb4.2/2, mb1 4.4/3, mb1mx4.0/13, ML3.9/1, Error ellipse: s-maj=52.2km s-min=29.7km az=134.0

NEIC 31 05:56:20.0, 1.1, 33.35S; 178.63W, h50km, mb4.5/1, MS4.4/1, Error ellipse: s-maj=27.2km s-min=21.7km az=102.0

ISC 31 05:57:17.6, 1.7, 33.32S; 0.10:178.7W, 0.3, h33km, n13, sP127/18, mb4.3/3, MS4.4/1, 1C-1D, South of Kermadec Islands

Main table for 2004 JUL section, listing station codes, names, coordinates, and seismic data for various stations like URZ Urewera, CTB Charters Tower, etc.

NEIC 31 05:57:11.7, 35.67N; 32.62E, h25km, ML2.7(NIC), After NIC

NIC 31 05:57:11.7, 0.2, 35.67N; 32.62E, h25km, ML2.7, MW2.6

ISC 31 05:57:10.8, 2.9, 35.7N; 0.1:32.7E, 0.1, h25km, n5, sP127/18, 2C, Cyprus region

Main table for Cyprus region section, listing station codes, names, coordinates, and seismic data for various stations like ALFC Alevga, AKMS Akamas, etc.

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Table listing seismic events with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CLCH Chadas Angostu, CHCH Chados Angostu, etc.

NEIC 31 06:04:52.0, 2.0, 4.16, 13S; 176.17W, h300km, mb4.4/2, Error ellipse: s-maj=17.7km s-min=10.0km az=134.0

ISC 31 06:04:52.0, 2.0, 4.16, 13S; 176.17W, h300km, 66km, mb3.7/1, mb1 3.9/11, mb1mx3.8/17, Error ellipse: s-maj=26.8km s-min=16.8km az=162.0

SYO 31 06:04:52.2, 16.13S; 176.17W, h300km, MB4.4

ISC 31 06:04:51.3, 0.5, 16.1S; 0.1:176.2W, 0.1, h300km, n55, sP127/18, mb4.0/13, 6C, Fiji Islands region

Main table for Fiji Islands region section, listing station codes, names, coordinates, and seismic data for various stations like URZ Urewera, CTB Charters Tower, etc.

HRVD 31 06:32:27.0, 2.0, 21.69S; 68.40W, h142km, 2km, MW5.1/53, Centroid moment tensor Solution. LP body waves: s29, c35, Mantle waves: s53, c84; Hal duration: 0 Moment tensor: Scale 10^16Nm; Mr=0.23s; 24; Mo=1.34s; 26; Mw=1.57s; 29; M=3.33s; 15; Mw=1.68s; 23; Mw=4.24s; 19; Best double couple: Mo=5.74x10^16 Np1.0s, 240.0, delta 21, lambda 2.2, NP2.0s, 148, delta 89, lambda 111. Principal axes: T 5.13, Plg42, 2

Azm78°; N 1.22, Plg21°, Azm328°; P-6.35, Plg14°, Azm219°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. NEIC 31 06:32:27.2, 0.1, 21.37S; 68.11W, mb5.2/96 Error ellipse: s-maj=4.7km s-min=3.6km caz=223.0 SYO 31 06:32:27.2, 21.37S; 68.11W, h94km, MB5.2 IDC 31 06:32:29.0, 7.2, 21.49S; 68.26W, h118km, mb4.7/14, mb1 4.8/17, mb1mx4.8/18, MS3.8/4, Ms1 3/8, ms1mx3.5/15, Error ellipse: s-maj=15.6km s-min=9.5km az=93.0

LDG 31 06:32:30.8, 20.70S; 68.01W, h113km GUC 31 06:32:31.5, 0.7, 22.08S; 68.29W, h150km, MD4.4, ML4.9

ISC 31 06:32:25.9, 0.2, 21.37S; 0.03; 68.22W, 0.04, h95km, h95km, 1.9km; PP, n273, 0.091/256, mb5.1/114, GC-10D, Chile-Bolivia border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Lists station data for stations like Limon Verde, Cerro Paranal, La Paz, etc.

Table with columns: CLNB, GD2L, BINY, ALLY, ERPA, ERPA, LCB, LPM, LAZ, LAZ, LMAIT, ANMO, CBKS, TUC, TUC, TUC, LIC, TIC, KIC, DBIC, DBIC, SDCO, SDCO, WUAZ, RW3, PW10, BAR, PFO, PFO, LDFC, NLFN, SRU, MSU, MWC, MPU, MPU, DAU, JLU, JLU, JLU, TUC, TUC, PDAR, HWUT, SPUT, TPH, AHU, YHD, RETW, ULM, ULM, TPWA, MOOW, MIMM, NVAR, NVAR, SCHS, LRV, SYO, SYO, SYO, SYO, YMR, DGMT, CLM, QMST, VVDA, WLN, WLN, HLID, MCMT, MCMT, BEKR, OHCM, NRY, NRY, WVOR, CHMT, CHMT, MSO, WDC, WDC, LNOR, PFTC, HUMO, CROR, PALC, EGRO, PBEJ, HAWA, NEW, EVO, EVO, DPW, PTOM, EMIN, EMIN, EMIN, EMIN, FCC, FCC, EBG, EBAD, PCBR, PCBR, PVIS, PVIS, NLW, NLW

Table with columns: MTE, MTE, EHOR, GSM, ELOJ, PVRL, BMW, ELUQ, ARON, EADA, RPP, RAW, PBRG, ECAL, ERUA, EQES, ESCD, ESCD, PGC, GUD, EVIA, ETOB, ETOR, ECRI, EMOS, SJPF, ETSF, EPOB, EPF, EMIR, QUIF, ROSF, SGFM, LFF, MTLF, EJON, YKA, YKA, MFF, RJF, RJF, GRR, CAF, FLN, FLN, LDF, TCF, VIVF, AVF, SMRF, SSF, SMF, LMR, LOR, LOR, FRF, EKA, ORIF, ORIF, DLBC, MBDF, SBF, PZL, PZZ, STV, STV, ENGR, ENGR, MEZF, MEZF, FIN, TRAV, HAU, HAU, GIVF, GIVF, HINF, HINF, CODM, CODM, BACM, BACM, GRAM, GRAM, VALM, VALM, DAVOX, DAVOX, GREA, GERES, VRAC, VRAC, NB2, NB2, NB2, NB2





Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include HATJ, YOJ, YONAGUNI JIMA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include KMI, KMI, KMI, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include SONM, ULN, ULN, etc.

IGQ 31 08:15:39.5, 0.425, 81.00W, h12km, gkm, mb4.4, 5C-3D, Error ellipse: s-maj=14.3km s-min=4.9km az=167.9, Off coast of Ecuador

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include HOJA, CUPA, QIL1, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include QIZ, QIZ, QIZ, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include DBIC, DBIC, DBIC, etc.

ATH 31 08:49:09.1, 34.94N, 23.78E, h32km, 6km, MD3, 6/11, IDC 31 08:49:10.2, 35.00N, 23.61E, h72km, 19km, mb3.77, m1 3/7/10, mb1.9, 35.2/24, Error ellipse: s-maj=39.5km s-min=22.1km az=28.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include GVD, KIM, KIM, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include GTA, GTA, GTA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include VYHS, VYHS, VYHS, etc.

BJI 31 08:53:21.2, 15.52S, 66.01E, h10km, mb5.0, mb4.8, MS4.8, MS4.5, IDC 31 08:53:26.7, 0.6, 15.15S, 66.88E, mb4.5/20, mb1.4/6/20, m1 1mx4.6/21, MS4.2/16, M5.1 4.2/16, m1mx4.1/22, Error ellipse: s-maj=24.9km s-min=16.4km az=44.0

HRVD 31 08:53:28.7, 0.5, 15.30S, 67.12E, h12km, MW4.9/51, Centroid moment tensor solution. Slip body waves: s27,c35; Mantle waves: s51,c76; LL duration: 0 Moment tensor: Scale 10^16Nm; M1=2.95e-12; M2=1.91e-13; M3=1.04e-14; M4=1.23e-43; M5=1.37e-10; M6=0.47e-41; Best double couple: M3, 2.1x10^16 Np1, 312, 834, lambda=80; NP2, 9.12e-10, delta7, lambda=97; Principal axes: T, 3.18, Plg12; Azm125; N, 0.7, Plg6; Azm124; P, -3.25, Plg7; Azm9; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

SYO 31 08:53:28.6, 15.13S, 66.93E, h10km, MB5.1, MS4.5, NEIC 31 08:53:28.7, 0.2, 15.13S, 66.93E, h10km, mb5.1/89, MS4.5/12, Error ellipse: s-maj=8.0km s-min=4.6km az=214.0

MOS 31 08:53:31.5, 0.8, 14.19S, 66.87E, h10km, mb5.2/15, Error ellipse: s-maj=30.5km s-min=10.1km az=112.6

ISC 31 08:53:27.1, 0.3, 15.08S, 0.06, 67.03E, 0.05, h10km, (h19km, 4km, pP-P), n291, 0676/241, mb5.0/131, MS4.4/36, 32C-11D, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include KMBO, KMBO, LSZ, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include RZN, RZN, RZN, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include KHC, KHC, KHC, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h m s, ISC. Includes stations like MCGN Macugnaga, MBDF Montbardon, PUYF Puyfoubier, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h m s, ISC. Includes stations like HFS Hagfors, EMIN Mina Concepcio, LDF La Druiere, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h m s, ISC. Includes stations like INGI Ingas, RATA Rata, KEDI Kedomdong, etc.

Table with columns: MAT, Matsuhiro, 21.18, 37, eP, P, 09 32 29.0 +7.8, etc. Includes various meteorological data points and station identifiers.

Table with columns: KEV, Kevo, 73.06, 339, ep, P, 09 39 01.3 -3.2, etc. Includes station names like MALTA, ARCES, DAWY, etc.

Table with columns: DL2, Dalian, 18.58, 358, P, S, 09 50 07.0 +4.1, etc. Includes station names like Dalian, Khon, Chengdu, etc.

Table of astronomical observations with columns for Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC, and Res. Includes entries for ARV, KIV, KDCA, OBN, MCK, PMR, COLA, ILAR, ANN, JOF, KEV, MAL, ARCES, DAWY, FINES, INK, BRTR, AKASA, NB2, NOA, SDV, etc.

NEIC 31 10:12:23.7±2.5, 18.715±175.12W, h179km, 24km, mb4.5/18, Error ellipse: s-maj=15.2km s-min=7.0km az=147.0

SYO 31 10:12:23.7, 18.715±175.12W, h179km, MB4.5

IDC 31 10:12:29.6±2.2, 18.825±175.17W, h234km, 20km, mb4.3/11, mb1 4.5/12, mb1mx4.3/17, Error ellipse: s-maj=15.6km s-min=9.3km az=134.0

ISC 31 10:12:28.2±1.8, 18.865±0.07±175.07W±0.06, h226km±17km, n149, s112±104, mb4.0, 3C-10D, Tonga Islands

Continuation of astronomical observation table with columns for Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC, and Res. Includes entries for RAR, RAR, DZM, NOUC, OUZ, WCU, WAZ, MTAZ, PUZ, KAAZ, OTAZ, WTAZ, MARZ, MWZ, EDZ, LRZ, URZ, URZ, URZ, PATZ, HIZ, BKZ, GZK, NGZ, CNZ, TUZ, FVWZ, FVWZ, BFZ, SNZO, PAE, PPT, PPT, TBI, QRZ, NNZ, NNZ, TIAR, TVO, THZ, DSZ, LTZ, WYZ, RPZ, ODZ, ARMA, CNB, CTA, CTA, RKT, TOO, STKA, STKA, etc.

Table of astronomical observations with columns for Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC, and Res. Includes entries for WB2, WRA, WRA, WRA, ASPA, ASPA, KAKA, SBA, SBA, VANDA, NVAR, TPB, TUD, TUD, MOC, YVOR, RMW, MSU, HLID, SRU, LAZ, LPM, TXAR, TXAR, TXAR, PV10, PV10, ANMO, PV10, GDLZ, MCK, MCMT, CLNB, PDAR, COLA, ILAR, ILAR, HRY, DAWY, SYO, SNA, SNA, SNA, LAO, LAO, YV1, INK, LPAZ, MKAR, MKAR, MKAR, BVAR, ARCES, ARCES, ARCES, JOF, FINES, AKASA, BSEG, MALT, MALT, CLZ, KSP, COLL, BRG, BRG, DPC, BRTR, PRU, VYHS, GRA1, GIVF, BAIF, KHC, GERES, FLN, LDF, MOA, GRR, MZZ, CDF, BAF, HAU, KBA, HNF, WATA, MOTA, WTTA, SQT, DAVA, LOR, SSR, MFF, AMF, SVF, CBF, GBF, TVCF, VWF, MBDF, etc.

NEIC 31 10:26:00.35, 10N, 141.60E, h35km, Mw4.1 Best double coales: M1.85x10^15 N1.9x343', 877', 1.64'. NP2: 228', 829', 1.52'

IDC 31 10:26:42.5±0.8, 35.09N, 141.25E, mb3.8/7, mb1 4.1/10, mb1mx3.9/23, ML4.0/3, MS3.0/2, M1 3.1/2, ms1mx2.8/24, Error ellipse: s-maj=31.1km s-min=16.6km az=104.0

JMA 31 10:26:43.0±0.3, 35.06N, 141.61E, h48km±4km, M3.6

NEIC 31 10:26:46.3±4.3, 35.06N, 141.39E, h27km±29km, mb4.3/2, Error ellipse: s-maj=17.4km s-min=13.6km az=117.0

ISC 31 10:26:43.1±0.3, 35.07N, 0.04±141.57E±0.06, h28km±6km, n28, s0.97/37, mb3.9/8, MS3.2/1, Near east coast of eastern Honshu

Table of astronomical observations with columns for Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC, and Res. Includes entries for BSO1, BSO1, CHOU, CHOU, BSO3, etc.

Table of astronomical observations with columns for Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC, and Res. Includes entries for BSO3, BSO4, BSO4, KTR, JCN, JYT, JYT, JIM2, JOD2, JOD2, JHJ, JHJ, MAJO, MAJO, MAT, MAT, MAT, MAT, CBJJ, ASAJ, ASAJ, YSS, JOW, CMAR, MKAR, MKAR, KURK, ILAR, ILAR, WRA, WRA, FINES, NB2, NB2, NOA, PDAR, TXAR, etc.

IDC 31 10:29:22.2±2.6, 0.36, 32N, 170.75E, h193km, 236km, mb3.1/4, mb1 3.3/6, mb1mx3.0/19, ML3.9/2, Error ellipse: s-maj=195.0km s-min=27.4km az=36.0

NEIC 31 10:29:23.9±1.2, 36.55N, 71.33E, h40km, mb3.5/3, Error ellipse: s-maj=25.4km s-min=20.7km az=198.0

ISC 31 10:29:21.8±3.8, 36.5N±0.2, 70.9E±0.4, h200km±41km, n15, s150±15, mb3.2/4, Hindu Kush region

Table of astronomical observations with columns for Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC, and Res. Includes entries for MKAR, KOLN, GKN, DMN, KKN, PKI, KURK, BVAR, BRVK, CHZK, FINES, ARCES, NB2, NOA, WRA, etc.

MOS 31 10:29:36.6±0.7, 36.16N, 70.39E, h184km, mb3.8/6, Error ellipse: s-maj=43.5km s-min=23.0km az=106.7

IDC 31 10:29:36.5±13.0, 36.21N, 70.58E, h165km, 117km, mb3.4/5, mb1 3.6/7, mb1mx3.3/19, Error ellipse: s-maj=85.1km s-min=32.8km az=32.0

ISC 31 10:29:33.4±1.3, 36.2N±0.2, 70.4E±0.2, h150km, n16, s0.5/15, mb3.7/6, Hindu Kush region

Table of astronomical observations with columns for Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC, and Res. Includes entries for MKAR, MKAR, BVAR, AKASA, AKASA, JOF, JOF, JOF, FINES, FINES, FINES, ARCES, ARCES, ARCES, NOA, NOA, WRA, WRA, WRA, etc.

MAN 31 10:34:02.1, 20.33N, 123.14E, h1km, MS3.0

MAN F Basco Batanes Intensity II

JMA 31 10:34:16.4±0.3, 20.67N, 122.52E

ISC 31 10:34:18.5±2.1, 20.50N, 122.5E±0.4, h33km, n7, s0.5/12, Philippine Islands region

Table of astronomical observations with columns for Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC, and Res. Includes entries for Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC, and Res. Includes entries for HATJ, HATJ, JKRS, JKRS, YO, YO, IRIF, IRIF, IRIF, JTJ, JTJ, JOGS, JOGS, etc.

NEIC 31 10:35:54.0, 36.64N, 121.26W, h11km, MW3.5(BRK), After NCEC.

NEIC FEL [III] at Monterey, Paicines, Salinas and Soledad; [II] at Carmel, Hollister, Marina, Pacific Grove, Santa Cruz and Seaside.

ISC 31 10:35:50.9, 1.2, 36.49N, 0.08, 121.5W, 0.1, h11km, n20, 0.695D, 20, Central California

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like SAO, LRV, SAC, LKC, CMB, NSHH, OMM, etc.

JMA 31 11:09:32.9, 0.3, 20.70N, 122.58E, M3.9, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like HATJ, KJRS, YOJ, etc.

JMA 31 11:12:58.7, 0.3, 20.74N, 122.50E, M3.8, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like HATJ, YOJ, KJRS, etc.

BER 31 11:23:55.2, 0.6, 20.08N, 125.49E, ML2.3(NAO), Suspected explosion

ISC 31 11:23:56.7, 1.8, 60.17N, 25.41E, mb1 2.9/2, mb1 mx2.8/18, ML2.9/2, Error ellipse: s-maj=16.8km

HEL 31 11:23:57.4, 0.1, 60.18N, 25.22E, ML1.9, ML2.1(UPP), ML2.3(NAO), Explosion

NAO 31 11:23:58.6, 3.7, 60.31N, 25.00E, ML2.3

ISC 31 11:23:56.2, 0.5, 60.18N, 0.03, 25.25E, 0.06, n19, 0.1906/31, Finland

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like NUR, PVF, VJF, FIAO, FIAO, FIAO, etc.

BGR 31 11:40:55.7, 0.4, 51.50N, 6.67E, h1km, ML1.9/4, Error ellipse: s-maj=8.9km s-min=4.4km az=130.0

NEIC 31 11:40:56.9, 51.48N, 6.56E, h1km, ML2.5(LDG), After LDG.

LDG 31 11:40:56.9, 0.2, 51.48N, 6.56E, h1km, Md2.7/1, M2.5/7, Error ellipse: s-maj=4.7km s-min=3.2km az=4.0, Suspected Mining Induced.

ISC 31 11:40:53.4, 0.4, 51.49N, 0.03, 6.53E, 0.06, n28, 0.696/46, Germany

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like BUG, BOCH, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like WTSB, WTSB, HGN, HGN, HGN, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like WLF, WLF, BAIF, BAIF, CLZ, CLZ, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like SSS, SSS, CABF, CABF, HYF, HYF, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like JMW, JMW, JMW, JMW, JMW, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like ASAJ, ASAJ, YSS, YSS, WB2, WB2, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like ILAR, ILAR, PDAR, PDAR, JMA, JMA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like HATJ, HATJ, YOJ, YOJ, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like KSP, KSP, KSP, KSP, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like DPC, DPC, PVCC, PVCC, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like HKB, HKB, DBO, DBO, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like KAKA, KAKA, FITZ, FITZ, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like WRA, WRA, WB2, WB2, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like PMG, PMG, PMG, PMG, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like CTA, CTA, KAKA, KAKA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like WRA, WRA, WRA, WRA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like ILAR, ILAR, etc.

ISC 31 12:26:08.2, 1.6, 11.52N, 94.65E, mb3.7/3, mb1 3.8/4, mb1 mx3.5/16, ML3.3/1, Error ellipse: s-maj=54.9km

s-min=28.1km az=56.0, Andaman Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Lists stations like CMAR, CMAR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes entries for NEIC 31 12:30:40.1, 2.3, 18.52N, 145.9E, h162km, 22km, mb3.7/2, Error ellipse: s-maj=23.3km s-min=15.8km az=87.0.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes entries for NIED 31 12:45:00.20, 60N, 122.60E, h50km, Mw4.3, Best double couple: Ms3.7x10^15 NP1:phi=24, delta1, 1.22. NP2:phi=128, delta3, 1.17.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes entries for JMA 31 12:45:07.2, 0.3, 20.63N, 122.56E, Ms2. Error ellipse: s-maj=13.4km s-min=7.1km az=86.0.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes entries for CVP Callao Caves, HATJ Hateruma jima, JKRS Kuro-shima, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes entries for JOW Jow, JOW Jow, JOW Jow, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes entries for CD2 Chengde, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes entries for WRA Warramunga Arr, WB2 Warramunga Arr, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes entries for ARU Arti, JOF Joensuu, KEV Kevo, etc.

Table with columns: JOB Onbets, JOB Furan, JFR Furan, ASAJ Asahikawa, ASAJ Asahikawa, ASAJ Asahikawa, etc.

Table with columns: JWKC Keihoku, JSK Shakotan, YSS Yuzh-Sakhalins, MKAR Makanchi Array, MKAR Makanchi Array, etc.

Table with columns: FINES FINESS Array B, FINES FINESS Array B, FINES FINESS Array B, etc.

Table with columns: NOA NORSTAR Subarra, NOA NORSTAR Array B, NOA NORSTAR Array B, etc.

Table with columns: CVP Callao Caves, HATJ Hateruma jima, JKRS Kuro-shima, etc.

Table with columns: JOW Jow, JOW Jow, JOW Jow, etc.

Table with columns: WRA Warramunga Arr, WB2 Warramunga Arr, MKAR Makanchi Array, etc.

Table with columns: ARU Arti, JOF Joensuu, KEV Kevo, etc.

Table with columns: BEST Besiri, BEST Besiri, TVAN Van, TVAN Van, TVAN Van, etc.

Table with columns: BCI Bajram Curri, BCI Bajram Curri, PVY Plav, PVY Plav, TGT Podgorica, etc.

Table with columns: CSB Colonia Sabana, CSB Colonia Sabana, SJG San Juan, SJG San Juan, etc.

Table with columns: FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, WRA Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: PMG Port Moresby, PMG Port Moresby, WRA Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: PMG Port Moresby, PMG Port Moresby, WRA Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: CTA Charters Tower, CTA Charters Tower, CTA Charters Tower, etc.

Table with columns: FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, WRA Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: ASPA Alice Springs, ASPA Alice Springs, ASPA Alice Springs, etc.

Table with columns: KMI Kunming, KMI Kunming, KMI Kunming, etc.

TIR 31 13:03:03.3, 42.42N, 19.79E, h6km

PDG 31 13:03:04.0, 0.1, 42.42N, 19.81E

ISC 31 13:03:03.8, 0.6, 42.40N, 0.03, 19.83E, 0.03, h6km, n11, phi=83/22, 4C-6D, Northwestern Balkan Peninsula

RSR 31 13:04:07.7, 18.38N, 66.22W, h128km, 2km, MD4.1/13, MD4.1/13, 7C-5D, Puerto Rico region

ISC 31 13:05:42.7, 1.8, 2.16N, 125.90E, mb3.8/3, mb1 4.0/3, mb1mx3.6/14, Error ellipse: s-maj=190.0km s-min=23.5km az=63.0

ISC 31 12:05:44.1, 1.7, 2.9N, 0.3, 127.3E, 0.6, h33km, n5, phi=53/5, mb3.8/3, Northern Molucca Sea

BUI 31 13:26:31.5, 2.94S, 139.04E, h39km, mb4.9, mb4.7, Ms4.2, Ms23.8

ISC 31 13:26:37.0, 0.8, 2.01S, 138.30E, mb4.7/7, mb1 4.9/10, mb1mx4.8/14, ML4.4/3, MS4.1/6, Ms1 4.1/6, ms1mx3.8/14, Error ellipse: s-maj=36.2km s-min=15.8km az=71.0

NEIC 31 13:26:43.0, 1.5, 2.05S, 138.19E, h39km, 14km, mb4.7/15, Error ellipse: s-maj=10.6km s-min=6.8km az=80.0

ISC 31 13:26:40.3, 0.3, 2.22S, 0.04, 138.12E, 0.06, h33km, n49, phi=156/49, mb4.7/20, MS4.1/8, 10C-3D, Irian Jaya

CTA Charters Tower, CTA Charters Tower, CTA Charters Tower, etc.

ASPA Alice Springs, ASPA Alice Springs, ASPA Alice Springs, etc.

KMI Kunming, KMI Kunming, KMI Kunming, etc.



Table of astronomical observations for July 2004, including stations like ASAJ, MBAR, MBAR, etc., and objects like Asahikawa, Mbarara, etc.

Table of astronomical observations for July 2004, including stations like JLK, ERK, GMO, etc., and objects like June Lake, Elk Rock, etc.

Table of astronomical observations for July 2004, including stations like GDL, CLNB, KDKA, etc., and objects like Guadalupe Moun, Karlsbad, etc.

TAP 31 14:16:11.6, 24.32N; 121.70E, h38km, ML3.1

JMA 31 14:16:11.9, 0.2, 24.38N; 121.81E, h68km, M2.1

ISC 31 14:16:11.9, 2.7, 24.4N; 0.4; 121.8E; 0.1, h64km; 40km, n6,

SC 31 14:16:11.9, 2.7, 24.4N; 0.4; 121.8E; 0.1, h64km; 40km, n6,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC

MOS 31 14:44:20.9; 0.9, 43.14N; 127.07W, h10km, mb5.0/10,

MS4.3/11, Error ellipse: s-maj=26.8km s-min=12.8km

az=98.2

BUI 31 14:44:21.0, 43.30N; 126.80W, h10km, mb5.0, mb4.9,

MS4.7, MSz4.6

IDC 31 14:44:22.1; 0.8, 43.41N; 126.58W, mb4.2/17, mb1.4/5.23,

mb1mx4.4/29, ML4.5/6, MS4.3/24, Ms1.4/3/24,

ms1mx4.3/28, Error ellipse: s-maj=19.6km s-min=9.3km

az=45.0

NEIC 31 14:44:23.0; 0.2, 43.35N; 126.81W, h10km, mb4.7/34,

MS4.3/5, Error ellipse: s-maj=3.5km s-min=2.4km, az=59.0

ISC 31 14:44:21.6; 0.2, 43.35N; 0.02; 126.75W; 0.0, h10km,

(h14km, 1.7km; pp-P), n268, r093/258, mb4.6/57, MS4.3/37,

15C-2D, Off coast of Oregon

Table with columns: Az, Station Name, Phase ID, Time, Res, h, m, s, ISC

Table of astronomical observations for July 2004, including stations like NEW, MTUM, BBB, etc., and objects like Newport, Tungsten Hills, etc.

Table of astronomical observations for July 2004, including stations like ROSC, YSS, TRO, etc., and objects like Newport, Yuzh-Sakhalin, etc.



Table with columns: Station Name, Time, Res, and various codes. Includes stations like Novosibirsk, Collim, Moxa, Lormes, Saint Sauge, etc.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like Brazilia, Keskin Array B, Paso Flores, Kunming, Sanae, etc.

Table with columns: Station Name, Time, Res, and various codes. Includes stations like Pulchoki, LSA Lhasa, GYA Guiyang, DMN Damant, etc.

31d 16h

Table of astronomical observations for 31 days and 16 hours, listing stations like CHKZ, MAJO, AB31, etc., and their respective coordinates and observation parameters.

2004 JUL

Main table of astronomical observations for July 2004, listing stations like BNI, CABF, FRF, etc., and their respective coordinates and observation parameters.

688

Table of astronomical observations for 688 days, listing stations like CAVN, MELF, EPOB, etc., and their respective coordinates and observation parameters.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BCPH Baguio City Da, BCPH Taiping, TATO Tarama, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BJT Baijatuau, SONM Songino Array, YSS Yuzh-Sakhalins, etc.

JMA 31 16:55:34.0.2.0.71N-122.53E, h1km, M3.6
ISC 31 16:55:34.1.3.0.27N,0.1,122.3E,0.1,h1km,n8,
0595/14,1C,Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BBP Basco, HATJ Hateruma jima, YOJ Yonaguni jima, etc.

NEIC 31 17:01:22.0.3.1.7.09S-128.90E, h45km, 35km, mb4.9/1,
Error ellipse: s-maj=31.5km s-min=24.0km az=73.0

IDC 31 17:01:24.5.9.6.7.03S-129.36E, h75km, 97km, mb3.7/3,
mb1 3.6/4, mb1mx3.5/10, ML3.6/1, Error ellipse:
s-maj=98.1km s-min=35.8km az=65.0

ISC 31 17:01:27.1.2.3.7.55.0.1.128.6E,0.2,h119km,24km,n11,
0512/16,mb4.0/2,C,Banda Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KAKA Kakadu, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

IDC 31 17:08:45.5.1.7.3.68N-126.92E, mb3.4/3, mb1 3.6/3,
mb1mx3.4/15, Error ellipse: s-maj=155.0km
s-min=27.9km az=69.0, Talaud Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, SONM Songino Array, MKAR Makanchi Array, etc.

NIED 31 17:12:00.20.70N,122.50E, h35km, Mw4.3 Best double
couple: M3.42x10^15 NP1:207, 889, lambda-100. NP2:
0s114, 010, lambda-3

BUI 31 17:12:25.1.20.10N,122.50E, h9km, mb4.2, ML3.7, Ms3.5
NEIC 31 17:12:27.1.4.5.20.12N,122.46E, h9km, 29km, mb4.2/3,
Error ellipse: s-maj=12.0km s-min=10.8km az=128.0

MAN 31 17:12:28.1.20.28N,122.40E, h21km, mb3.2, ML1.9,
MS1.2

JMA 31 17:12:30.7.0.3.20.67N-122.51E, M4.6
IDC 31 17:12:31.3.4.0.20.16N,122.58E, h45km, 43km, mb3.6/6,
mb1 3.8/7, mb1mx3.5/19, ML4.6/2, MS3.2/4, Ms1 3.2/4,
ms1mx2.9/22, Error ellipse: s-maj=33.9km s-min=20.9km
az=67.0

ISC 31 17:12:26.0.0.3.20.33N-0.03,122.50E,0.04,h10km,n40,
0513/57,mb3.8/8,MS3.1/2,C-2D,Philippine Islands
region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BBP Basco, BBP CVP, CVP Callao Caves, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BCPH Baguio City Da, BCPH Taiping, TATO Tarama, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ARP Angono, LQP Lukban, TGY Tagaytay City, etc.

NAO 31 17:26:01.8.5.7.62.92N-6.67E, h14km, 30km, ML2.3
NEIC 31 17:26:03.6.62.92N-6.44E, h15km, MD2.6(BER), After
BER

BER 31 17:26:04.3.4.5.62.93N-6.57E, h15km, 16km, MD2.6,
ML2.0, ML2.3(NAO), Southern Norway

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MOL Molde, DOMB Dombas, HYA Hoyanger, etc.

RUND Rundenanden, 2.58 193 eP Pn 17 26 44.0 -2.3
RUND RUND 0.3 eS AML 17 27 21.0 +3.2

BER Bergen, 2.62 194 eSg Sn 17 27 21.5 +3.0
EGD Espregrend, 2.74 194 eSg Pn 17 27 25.5 +3.8

NSS Namsos, 2.89 54 eSg Sn 17 27 19.6 -5.9
NSS NSS 1.2 eSg AML 17 27 36.7

NB2 NORSAR Subarra, 2.90 129 Pn Pn 17 26 47.0 -3.8
NB2 NB2 1.2 eSg Pn 17 26 53.5 +2.6

ODD1 Odda, 3.02 179 eSg Pn 17 26 48.9 -3.7
ODD1 ODD1 1.2 eSg AML 17 27 33.1 +4.3

NC6 NORSAR Subarra, 3.19 131 Pn Pn 17 26 51.0 -4.0
NC6 BLSS 3.52 181 eSg Sn 17 27 40.0 +8.5

KMY Karmoy, 3.78 190 eP Pn 17 26 59.3 -4.1
KMY KMY 1.2 eS AML 17 28 02.7

HFS Hagfors, 4.41 126 Pn Pn 17 27 07.5 -4.9
HFS HFS 1.2 eSg Pn 17 27 18.3 +5.9

HFS HFS 1.2 eSg Pn 17 27 57.6 -6.5
HFS HFS 1.2 eSg Pn 17 28 19.1

MOR8 Morf Rana, 4.71 43 eS Sn 17 28 08.5 -2.9
MOR8 MOR8 1.2 eS AML 17 28 35.7

LOF Lotofen, 5.97 26 eS Sn 17 28 30.2 -1.3
LOF LOF 1.2 eS AML 17 28 37.3

FAIO FINESS Array S, 9.24 91 Lg 17 30 53.4
FAIO FINESS Array S, 9.24 91 Lg 17 30 53.4

KRSC 31 17:29:03.0,55.55N-166.05E, h46km, ML3.5,
Komandorsky Islands region

NIED 31 17:36:00.20.70N,122.50E, h35km, Mw4.1 Best double
couple: M1.41x10^15 NP1:208, 887, lambda-114. NP2:
0s112, 024, lambda-6

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BBP Basco, HATJ Hateruma jima, YOJ Yonaguni jima, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BBP Basco, CVP Callao Caves, HATJ Hateruma jima, etc.

JMA 31 17:42:30.1.0.3.20.70N,122.53E, M3.6
ISC 31 17:42:29.5.1.4.20.6N,0.1,122.4E,0.2,h10km,n8,
0502/15,Philippine Islands region

NIED 31 17:46:00.20.70N,122.50E, h38km, Mw4.7 Best double
couple: M1.17x10^16 NP1:210, 888, lambda-120. NP2:
0s116, 830, lambda-5

MAN 31 17:46:12.7.20.11N,122.36E, h1km, mb4.3, ML3.1, MS2.8
JMA 31 17:46:15.4.0.7.20.69N,122.54E, M3.3
IDC 31 17:46:15.4.0.7.20.24N,122.56E, h38km, 5km, mb3.9/12,
mb1 4.2/13, mb1mx4.1/18, ML5.0/2, MS3.7/6, Ms1 3.7/6,
ms1mx3.3/24, Error ellipse: s-maj=25.0km s-min=13.5km
az=71.0

BUI 31 17:46:16.9.20.44N,122.28E, h41km, mb4.4, mb4.4,
ML4.4, MS3.8, MS3.5
NEIC 31 17:46:16.0.1.1.20.18N,122.46E, h41km, 11km, mb4.6/21,
Error ellipse: s-maj=10.8km s-min=8.0km az=84.0

MOS 31 17:46:17.0.1.20.78N,122.41E, h33km, mb4.9/7, Error
ellipse: s-maj=31.3km s-min=11.4km az=114.6
ISC 31 17:46:12.4.0.9.20.28N,0.02,122.57E,0.04,h27km,710m,
h38km,1.9km,0.12P/21/133,mb4.4/4,MS3.7/10,
11C-7D,Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BBP Basco, HATJ Hateruma jima, YOJ Yonaguni jima, etc.

BBP Basco, 0.59 285 eS Pn 17 46 22.4 -0.3
BBP BBP 1.2 eS Pb 17 46 28.1 -4.1

CVP Callao Caves, 2.66 196 eS Pn 17 46 54.6 +0.1
CVP CVP 1.2 eS Pn 17 47 24.5 -1.7

HATJ Hateruma jima, 3.92 17 Pn 17 47 13.3 +0.9
HATJ HATJ 1.2 eS Sn 17 47 56.1 -2.1

KRKS Kuro-shima, 4.15 18 Pn 17 47 16.6 +0.9
KRKS KRKS 1.2 eS Sn 17 48 03.0 -1.0

IRIF Iriomote-Funau, 4.17 15 Pn 17 47 16.7 +0.7
IRIF IRIF 1.2 eS Sn 17 48 02.0 -2.5

YOJ Yonaguni jima, 4.18 5 Pn 17 47 16.9 +0.8
YOJ YOJ 1.2 eS Sn 17 48 03.2 -1.4

JIJ Ishigaki jima, 4.31 19 Pn 17 47 18.4 +0.4
JIJ JIJ 1.2 eS Sn 17 48 05.4 -2.6

BAGU BCPH Baguio City Da, 4.32 206 eS Pn 17 47 18.6 +0.6
BCPH BCPH 1.2 eS Pn 17 48 06.4 -1.8

TARA Tarama, 4.76 24 Pn 17 47 25.6 +1.3
TARA TARA 1.2 eS Pn 17 47 27.5 -2.2

TATJ Taipei, 4.78 348 ePn Pn 17 47 24.6 0.0
TATJ MJM Miyako jima 2, 5.16 29 Pn 17 47 32.1 +2.1

GSUS Gusukube, 5.17 390 eS Pn 17 47 31.7 +1.7
GSUS GSUS 1.2 eS Pn 17 48 28.3 -1.2

ARP Angono, 5.87 194 eP Pn 17 47 39.8 -0.2
ARP ARP 1.2 eS Pn 17 48 04.4 -5.5

QZHQ Quanzhou, 5.92 322 eP Pn 17 47 39.8 -2.6
QZHQ QZHQ 1.2 eS Pn 17 48 39.8 -8.6

QZHQ comp=N,140nm,1.0s S Sn
QZHQ comp=E,150nm,0.9s LR LR

QZHQ comp=N,1um,14.8s LR LR
QZHQ comp=E,2um,21.2s LR LR

QZHQ comp=Z,1um,19.9s LR LR
TGY Tagaytay City, 6.34 195 Pn 17 47 47.3 +0.7

TGY comp=Z,42nm,0.3s,baz=71,slow=4.3,SNR=9.2 LR LR
TGY comp=Z,783nm,19.0s,baz=50,slow=42 LR LR

GOP Guinayangan, 7.34 181 eS Pn 17 47 46.5 -0.2
GOP GOP 1.2 eS Pn 17 48 54.2 -0.7

JKE Kume jima 2, 6.15 32 eS Pn 17 48 58.3 +2.2
JKE JKE 1.2 eS Pn 17 49 15.5 -3.7

JJT2 Tamagusuku 2, 7.52 38 Pn 17 48 04.2 +1.0
JJT2 JJT2 1.2 eS Pn 17 48 28.3 -1.2

NANA Naha, 7.54 38 eS Pn 17 48 24.4 -4.5
NANA NAGI Aguni-jima, 7.60 33 Pn 17 48 04.4 +0.2

JHAGI Iheya, 8.34 35 Pn 17 48 25.9 -4.5
JIH Iheya, 8.36 38 Pn 17 48 44.3 -0.3



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KURK, KURK, BVAO, BRVK, CHKZ, etc.

BGR 31 18:09:36.9.0.6, 48.64N, 9.06E, h5km, ML1.1/1, Error ellipse: s-maj=6.7km s-min=3.3km az=127.0...

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like STU, BFO, LANF, etc.

IDC 31 18:16:59.3.1.0, 37.04N, 102.12E, mb3.8/7, mb1.4/0.10, mb1mx3.9/20, ML3.8/3, MS2.6/1, Ms1.2/8/1, ms1mx1.9/23...

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LZH, LZH, LZH, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BTO, BTO, HHC, HHC, ENH, ENH, etc.

JMA 31 18:20:41.4.0.3, 20.68N, 122.60E, M3.9, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILAR, ILAR, LPGA, etc.

JMA 31 18:27:39.5.0.3, 20.69N, 122.53E, M4.0, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HATJ, HATJ, YOJ, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CMIG, OXX, Oaxaca, etc.

BUI 31 18:31:00.9, 52.50N-179.10W, h242km, mb4.1, mb4.0, NEIC 31 18:31:04.9, 0.3, 52.50N-179.14W, h242km, mb4.2/1/7...

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KIKV, KIKV, KINC, KINC, KIWB, KIWB, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA, BRTR, STKA, MAW.

NIED 31 18:49:00, 39.90N, 144.70E, h11km, Mw3.6. Best double couple: M2.47x10^14 NP1.23, delta\_23, lambda\_106. NP2: phi\_235, delta\_31, lambda\_61.

IOC 31 18:49:53.9, 1.2, 39.72N, 145.00E, mb3.6/6, mb1 3.8/7, mb1mx3.6/20, ML4.3/1, Error ellipse: s-maj=39.7km, s-min=24.9km az=86.0.

JMA 31 18:49:59.4, 0.2, 39.83N, 144.68E, h44km, M4.2. IOC 31 18:49:58.4, 0.9, 39.89N, 144.76E, 0.06, h38km, 10km, n25, phi\_98/41, mb3.5/6, Off east coast of Honshu

Main station list table for 31d 19h. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JTH, JNH, JMW, etc.

KRSC 31 19:00:24.9, 52.55N, 159.17E, h44km, ML3.8, Off east coast of Kamchatka Peninsula

Main station list table for KRSC. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RUS, PET, NLC, etc.

JMA 31 19:06:13.5, 0.2, 20.74N, 122.53E, M3.9. IOC 31 19:06:12.7, 1.2, 20.60N, 122.3E, 0.1, h33km, n9, phi\_93/13, ID, Philippine Islands region

IOC 31 19:09:37.1, 2.2, 43.40N, 105.21W, mb3.5/1, mb1 3.7/3, mb1mx3.2/1, ML3.4/2, MS3.1/6, M1 3.0/6, ms1mx2.8/24, Error ellipse: s-maj=49.8km s-min=9.5km az=154.0. NEIC 31 19:09:39.4, 0.6, 43.61N, 105.16W, ML3.2, Error ellipse:

s-maj=14.3km s-min=8.2km az=123.0, Suspected Mining explosion. NEIC 31 19:09:37.0, 0.7, 43.60N, 105.01W, 0.08, n23, phi\_160/32, mb3.7/1, MS3.3/2, Wyoming

Main station list table for 2004 JUL. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LAO, BW06, PDAR, etc.

ATH 31 19:31:38.1, 37.23N, 21.60E, h10km, 8km, MD3.4/8. THE 31 19:31:41.4, 37.19N, 21.71E, h11km, ML3.1. IOC 31 19:31:40.3, 0.9, 37.26N, 0.05, 21.76E, 0.08, h10km, n13, phi\_91/17, Southern Greece

Main station list table for ATH. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ITM, VLI, VLS, etc.

MAN 31 19:34:23.4, 4.9, 9.07N, 125.49E, h1km, mb5.3, ML4.3, MS4.5. MAN F INTENSITY II - Butuan City. IDC 31 19:34:23.4, 4.4, 9.06N, 125.64E, h17km, 27km, mb4.7/23, mb1 4.8/25, mb1mx4.8/27, ML5.2/2, MS4.0/16, Ms1 4.1/16, ms1mx3.9/25, Error ellipse: s-maj=20.2km s-min=11.5km az=78.0.

BUI 31 19:34:25.2, 9.00N, 125.98E, h60km, mb5.0, mb4.8, Ms4.5, Ms24.2. HRVZ 31 19:34:27.4, 0.3, 9.09N, 125.71E, h16km, 1km, MW5.1/54, Centroid moment Tensor Solution. LP body waves: s24,c29,Mantle waves: s54,c96; Half duration: 0. Moment tensor: Scale 10^16Nm; Mr1,01,16; Ms1,55,09; Mw,2.56,15; Mo,0.36,31; Mo,2.25,10; Mo,3.69,60; Best double couple: M4.79x10^16 NP1.23, delta\_23, lambda\_167. NP2.23, delta\_23, lambda\_54. Principal axes: T 4.27, Plg14.1, Azm45; N 1.05, Plg35; Azm174; P-5.32, Plg28; Azm287; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

NEIC 31 19:34:27.4, 1.6, 9.04N, 125.70E, h50km, 14km, mb5.0/43. Error ellipse: s-maj=7.8km s-min=4.4km az=78.0. NEIC Felt III (PWS) at Butuan. MOS 31 19:34:29.0, 0.7, 9.83N, 125.41E, h49km, mb5.3/11, Error ellipse: s-maj=24.9km s-min=9.3km az=113.0. IOC 31 19:34:24.8, 0.5, 9.06N, 125.70E, 0.03, h39km, 3km, h41km, 5.7km, pp-P, n246, phi\_19/264, mb4.9/86, MS4.2/37, 15C-12D, Mindanao

Main station list table for ATH. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BUTP, SCPH, CGP, etc.

Main station list table for 2004 JUL. Columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PVCP, OTRP, CUYO, etc.



2004 JUL

31d 20h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HATERUMA JIMA, YONAGUNI JIMA, KURO-SHIMA, etc.

NIED 31 20:01:00, 35.70N, 140.80E, h44km, Mw4.4. Best double couple: Mo=3.1x10^15 NP1=179°, delta=85°, lambda=120°. NP2: delta=79°, delta=30°, lambda=111°.

ISC 31 20:01:28.2-0.1, 35.69N, 140.76E, h47km, Mw4.3. JMA Felt [1].

ISC 31 20:01:28.2-4.2, 35.64N, 140.61E, h34km, Mw3.9/13, JYU Felt [1].

MOS 31 20:01:28.8-1.2, 35.76N, 140.75E, h55km, Mw4.5/13, Error ellipse: s-maj=21.0km s-min=8.5km az=112.9.

NEIC 31 20:01:30.4-1.4, 35.62N, 140.59E, h54km, Mw4.5/18, Mw4.4(NIED), Error ellipse: s-maj=10.9km s-min=10.2km az=165.0.

NEIC Felt at Sakura-shi. Recorded [2 JMA] in Chiba and [1 JMA] in Ibaraki Prefectures.

ISC 31 20:01:28.1-0.3, 35.68N, 0.03, 140.67E, 0.04, h47km, Mw4.3. MS3/7, 6C-6D, Near east coast of eastern Honshu

Main station list table for the first column, including stations like CHOSI, NAGARA, KATSUURA, etc.

Main station list table for the second column, including stations like URUMQI, WMOQ, LSA, etc.

Main station list table for the third column, including stations like IDC 31 20:05:39.8, etc.



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KBTR Krutoberegovo, BKTR Bering, FX1 Attu Island-F, MKAR Makanichi Array, etc.

NEIC 31 20:42:23.7, 46.30N, 13.62E, h10km, MD2.6(ROM), MD2.3(LJU), MD2.1(VIE), After ROM. ROM 31 20:42:23.7, 46.30N, 13.62E, h10km, MD2.6/4, MD1.7/4, Error ellipse: s-maj=1.6km s-min=1.5km az=90.0. LJU 31 20:42:24.5, 46.31N, 13.61E, h8km, MD2.2. ISC 31 20:42:24.1, 0.3, 46.33N, 0.02, 13.62E, 0.02, h10km, n35, 0587/64, 10C-5D, Austria

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ROBS Robic, CADS Cadr, LSR Lussari, DRE Drenchia, PTCC Patocco-Chiusa, etc.

NIED 31 20:56:00, 20.70N, 122.50E, h35km, Mw3.8 Best double couple: M5.31x10^14 NP1=201°, δ86°, λ-108°. NP2: φ99°, δ18°, λ-13°. JMA 31 20:56:35.9, 0.3, 20.74N, 122.51E, M4.1. ISC 31 20:56:35.4, 0.3, 20.68N, 0.1, 122.2E, 0.2, h33km, n10, 0595/19, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BBP Basco, HATJ Hateruma jima, YOJ Yonaguni jima, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JKRS Kuro-shima, JIJ Ishigaki jima, JTT Tarama, etc.

JMA 31 20:58:15.7, 0.2, 20.66N, 122.55E, h1km, M3.5, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BBP Basco, HATJ Hateruma jima, YOJ Yonaguni jima, etc.

JMA 31 21:04:10.3, 0.4, 20.67N, 122.60E, M4.0. ISC 31 21:04:08.0, 0.7, 20.37N, 0.05, 122.39E, 0.07, h33km, n11, 01923/22, 2D, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BBP Basco, Callao Caves, HATJ Hateruma jima, etc.

INDC 31 21:05:12.5, 1.0, 50.58S, 115.72E, mb4.2/5, mb1.4/4.5, mb1mx4.2/10, MS3.5/2, Ms1.3/5.2, ms1mx3.1/1.1, Error ellipse: s-maj=47.8km s-min=21.2km az=106.0. NEIC 31 21:05:13.3, 0.5, 50.59S, 115.28E, h10km, mb4.1/4, Error ellipse: s-maj=25.1km s-min=11.5km az=99.0. ISC 31 21:05:11.8, 0.7, 50.65S, 0.09, 115.8E, 0.4, h10km, n25, 0575/13, mb4.2/7, MS3.5/1, 1C-2D, Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CASY Casey, NWA0 Narrogin (SRO), MAW Mawson, VNTA Vanda, FITZ Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WLS Welschbruch, THEF They Montfort, MOF Molkenrain, etc.

MOS 31 21:49:40.4, 1.0, 56.08N, 113.77E, h13km, mb4.2/1, Error ellipse: s-maj=29.0km s-min=23.0km az=55.1. BYKL 31 21:49:40.2, 0.2, 56.06N, 113.80E, h15km, 3km, 6C-2D, East of Lake Baykal

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SVKR Severomuysk, SVKR Severomuysk, SVKR Severomuysk, etc.

31d 23h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like OGRR Ongureny, TRTB Turuntau, HRMR Khuramsha, etc.

PDG 31 22:51:15.6, 0.2, 39.85N; 17.23E, h11km, 1(RM)
NEIC 31 22:51:17.2, 40.48N; 16.23E, h5km, MD3.4(ROM),
MD3.4(PDG), After ROM
ROM 31 22:51:17.2, 40.48N; 16.23E, h5km, MD3.4/17,
ML2.8/13, Error ellipse: s-maj=1.8km s-min=1.8km
az=90.0
ISC 31 22:51:16.9, 0.5, 40.52N, 0.03, 16.26E, 0.03, h5km, 5km,

Main table of station data for the first section, including stations like ORI Oriolo Calabro, SLCN Sala Consilina, MGR Morigerati, etc.

NEIC 31 22:57:36.6, 44.21N; 11.89E, h5km, MD2.6(ROM),
ML2.3(LDG), After ROM
ROM 31 22:57:36.6, 0.1, 44.21N; 11.89E, h5km, MD2.6/11,
ML1.7/13, Error ellipse: s-maj=1.2km s-min=0.9km az=0.0
LDG 31 22:57:36.2, 0.3, 44.42N; 11.36E, h10km, ML2.3/7, Error
ellipse: s-maj=6.0km s-min=3.3km az=110.0
ISC 31 22:57:34.0, 0.7, 44.43N, 0.05, 11.82E, 0.04, h20km, 6km,

2004 JUL

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BRNS Barisano, VMG Vicchio, SFI Santa Sofia, etc.

NIED 31 22:59:00.20, 70N; 122.50E, h41km, Mw4.2 Best doublet
couple: M=2.1x1015 NP1=206°, δ76°, λ-113°. NP2=87°,
δ26°, λ-32°.
NEIC 31 22:59:20.2, 2.8, 20.12N; 122.43E, h20km, 19km, mb3.4/6,
Error ellipse: s-maj=13.7km s-min=1.6km az=140.9
IDC 31 22:59:23.0, 5.7, 20.16N; 122.49E, h40km, 52km, mb3.7/8,
mb1.3/9.9, mb1mx3/6.18, ML4.1/1, MS3.7/3, Ms1.3/7.3,
ms1mx3/0.18, Error ellipse: s-maj=50.2km s-min=22.2km
az=66.0
JMA 31 22:59:23.4, 0.4, 20.71N; 122.46E, M4.6
ISC 31 22:59:20.9, 1.0, 20.35N, 0.05, 122.42E, 0.07, h31km, 6km,

Main table of station data for the second section, including stations like BBR Basco, HATJ Hateruma jima, JOGJ Jogusuke, etc.

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MDD 31 23:03:34.4, 2.5, 36.91N; 12.14W, mb3.2/6, Error ellipse:
s-maj=21.9km s-min=19.9km az=34.0, PRXIMO
INMG 31 23:03:35.6, 1.0, 36.87N; 12.23W, h13km, 77km, ML2.1,
Error ellipse: s-maj=74.4km s-min=6.9km az=63.0,
Azores-Cape St. Vincent Ridge

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PTEO Sao Teotonio, PLOU Loures, PBEJ Beja, etc.

ISK 31 23:22:45.4, 37.95N; 27.63E, h9km, MD3.4
ATH 31 23:22:46.3, 37.97N; 27.60E, h5km, MD3.3/4
ISC 31 23:22:45.0, 6.3, 37.94N; 0.02, 27.64E, 0.04, h7km, 5km,

Main table of station data for the third section, including stations like AYDN Tasuluk, IZM Izmir, MLSB Milas, etc.

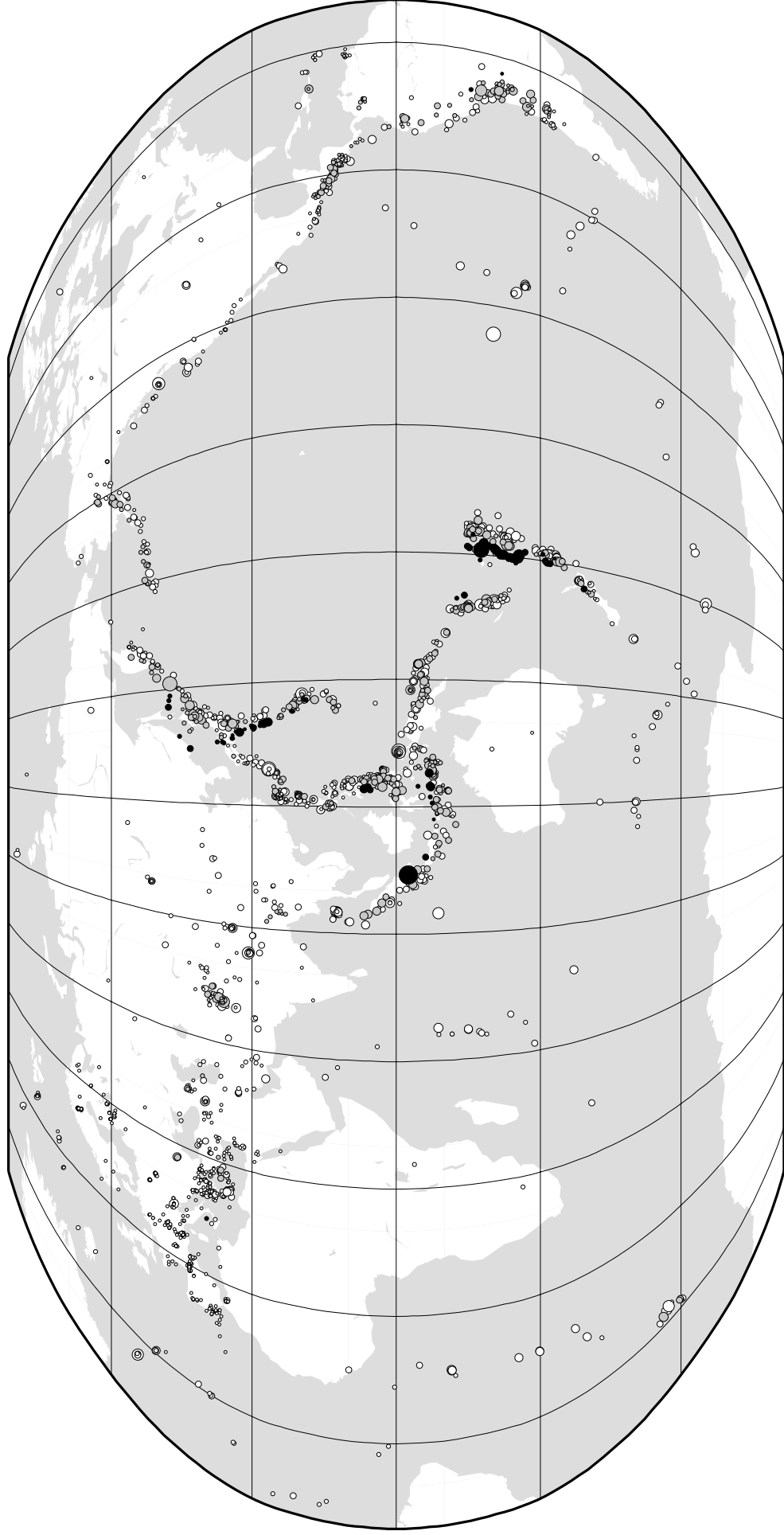
HEL 31 23:25:49.6, 0.1, 67.82N; 20.16E, ML1.6, ML1.6(UFP),
ML1.4(BER), Explosion
BER 31 23:25:49.6, 0.5, 67.79N; 20.18E, ML1.4, Suspected
Explosion

Main table of station data for the fourth section, including stations like KUA Kurvaara, NIKU Nikkaluokta, DUNU Dundret, etc.

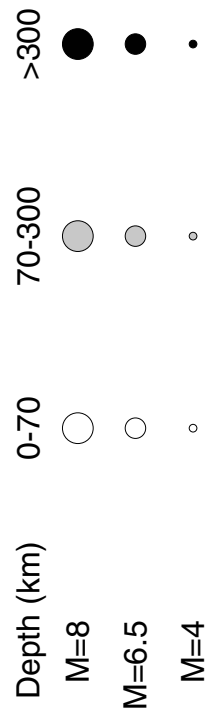
DJA 31 23:58:19.0:0.9,9.76S:115.10E,h33km,ML3.9/4,2C-6D,  
 Error ellipse: s-maj=19.0km s-min=12.0km az=5.0,  
 South of Bali

Code	Station Name	$\Delta^\circ$	AZ $^\circ$	Phase ID	Time	Res
				Op	h m s	ISC
INGI	Ingas 43nm,0.2s	0.94	3	j <sub>e</sub> Pg	P	23 58 34.7 -1.0
INGI				j <sub>e</sub> Sg	S	23 58 46.6 -1.5
RATI	Rata 136nm,0.1s	1.11	23	j <sub>e</sub> Pg	P	23 58 36.5 -1.8
RATI				j <sub>e</sub> Sg	S	23 58 49.9 -2.8
KEDI	Kedomdong 42nm,0.2s	1.61	39	j <sub>e</sub> Pn	Pn	23 58 44.4 -1.3
KEDI				j <sub>e</sub> Sn	Sn	23 59 03.0 -2.5
KELI	Kelakatan 96nm,0.1s	1.65	339	j <sub>e</sub> Pn	Pn	23 58 44.9 -1.2
KELI				j <sub>e</sub> Sn	Sn	23 59 03.3 -3.0

# ISC Computed Locations for July 2004



Robinson Projection, centred on 0°N, 130°E



2344 Events